	ESTIMATE OF FOR CONSTRUCTION OF ADDITIONAL DORMITORY & STAFF QUARTERS AT JNV KUPWARA, JAMMU AND KASHMIR							
Sl.	Description	as pe	r Detailed Est	timate				
No.		Amount	Amount	Amount				
		DSR -2023	DSR -2022	Non-DSR -				
		(In Lac's)	(In Lac's)	(In Lac's)				
	Buildings work							
1	Balance Part of school Building for 04 nos classroom & 04 Nos Laboratories							
	including corridor & Toilets Blocks for bosy and girls							
	Plinth area=624.08 sqmt	177.49	4.34	5.78				
2	Left over work of 0.25 Unit Boys Dormitory with 01 nos warden residence							
	(Double Storey, RCC framed structure), Plinth area 327.00 + 55.00= 382.00							
	Sqm	10.27	1.04	1.00				
3	Left over work of 0.25 Unit Boys Dormitory with 01 nos warden residence							
	(Double Storey, RCC framed structure), Plinth area 327.00 + 55.00=382.00							
	Sqm	128.21	4.68	2.62				
4	Left over work of 0.25 Unit Girls Dormitory with 01 nos warden residence							
	(Double Storey, RCC framed structure), Plinth area 327.00 + 55.00=382.00							
	Sqm.	10.27	1.04	1.00				
	Balance 0.50 Unit Girls Dormitory with 02 nos warden residence (Double							
	Storey, RCC framed structure), Plinth area 691.50 +110.00=801.50 Sqm.	226.76	15.38	11.89				
6	Principal Residence- 01 no. (Single Storey, RCC framed structure), Plinth area							
	106.00 Sqm.	21.66	3.83	2.67				
7	6 Type-III staff quarters 21 nos. 18 Nos Type-III and 03 Nos in lieu of							
	warden residence (03 nos Blocks of G+2 Storey and 01 No Blocks of							
	G+1 Storey, RCC framed structure), Plinth area $21x60 = 1260.00$ Sqm.	320.34	42.13	12.10				
8	Type-II staff quarters 13 no. (02 Block of G+2 Storey and 01 Single Storied,							
	RCC framed structure), Plinth area $13x50 = 650.00$ sqm.	164.29	22.40	7.50				
9	Guest House - 01 no. (Single Storey, RCC framed structure), Plinth area 60.00							
	Sqm.	17.30	1.96	0.92				
	Sub Total :	1076.59	96.80	45.48				
10	Add C.I 28.97%	311.89	28.04					
	Total "A"	1388.48	124.84	45.48				
	Add For Development Works Total "B"	223.52	16.86	68.72				
12	Add For Campus Boundary wall along with Main Entry Gate Total "C"	218.14	0.63	0.63				
	Total : "A", "B", "C"	1830.14	142.33	114.83				
	G.Total		2087.30					

Sl. No. A.	SUMMARY OF PR Description	QTY	UNIT	RATE	Amount	A	
					DSR -2023 (In Lac's)	Amount DSR -2022 (In Lac's)	Amount Non-DSR - (In Lac's)
1	RESIDENTIAL / NON-RESIDENTIAL BUILDINGS						
	Balance Part of school Building for 04 nos classroom & 04 Nos Laboratories including corridor & Toilets Blocks for bosy and girls Plinth area=624.08 sqmt						
(i)	COST OF CIVIL WORKS		r details at		168.72		1.38
(ii)	COST OF INTERNAL WATER SUPPLY & SANITATION WORKS		r details at		8.77		2.5
(iii)	COST OF INTERNAL ELECTRICAL WORKS	[As pe	r details at		155.40	4.34	1.82
			10	FAL [A 1]	177.49	4.34	5.78
2	Left over work of 0.25 Unit Boys Dormitory with 01 nos warden residence (Double Storey, RCC framed structure), Plinth area 327.00 + 55.00= 382.00 Sam						
(i)	COST OF CIVIL WORKS		r details at		7.67		
(ii)	COST OF INTERNAL WATER SUPPLY & SANITATION WORKS		r details at		2.60	1.04	1.00
(iii)	COST OF INTERNAL ELECTRICAL WORKS	[As pe	r details at	TAL [A 2]	10.27	1.04 1.04	1.00 1.00
			10	AL A Z	10.27	1.04	1.00
3	Left over work of 0.25 Unit Boys Dormitory with 01 nos warden residence (Double Storey, RCC framed structure), Plinth area 327.00 + 55.00=382.00 Sqm						
(i)	COST OF CIVIL WORKS		r details at		124.56		1.23
(ii)	COST OF INTERNAL WATER SUPPLY & SANITATION WORKS		r details at r details at		3.65	4.00	0.42
(iii)	COST OF INTERNAL ELECTRICAL WORKS	[As pe		TAL [A 3]	128.21	4.68 4.68	0.97
			10		120.21	4.00	2.02
4	Left over work of 0.25 Unit Girls Dormitory with 01 nos warden residence (Double Storey, RCC framed structure), Plinth area 327.00 + 55.00=382.00 Sqm.						
(i)	COST OF CIVIL WORKS		r details at		7.67		
(ii)	COST OF INTERNAL WATER SUPPLY & SANITATION WORKS		r details at		2.60		
(iii)	COST OF INTERNAL ELECTRICAL WORKS	[As pe	r details at	-	10.25	1.04	1.00
			TO	FAL [A 4]	10.27	1.04	1.00
5	Balance 0.50 Unit Girls Dormitory with 02 nos warden residence (Double Storey, RCC framed structure), Plinth area 691.50 +110.00=801.50 Sqm.						
(i)	COST OF CIVIL WORKS		r details at		211.76		1.95
(ii)	COST OF INTERNAL WATER SUPPLY & SANITATION WORKS		[As per details attached]		15.00		3.20
(iii)	COST OF INTERNAL ELECTRICAL WORKS	[As pe	r details at	-		15.38	6.74
			TO	FAL [A 5]	226.76	15.38	11.89
6	Principal Residence- 01 no. (Single Storey, RCC framed structure), Plinth area 106.00 Sqm.		1.1	1 17			
(i)	COST OF CIVIL WORKS		r details at		19.79		1.72
(ii) (iii)	COST OF INTERNAL WATER SUPPLY & SANITATION WORKS COST OF INTERNAL ELECTRICAL WORKS		r details at r details at		1.87	3.83	0.75
(111)	COST OF INTERNAL ELECTRICAL WORKS	[impe		TAL [A 6]	21.66	3.83	2.67
7	6 Type-III staff quarters 21 nos. 18 Nos Type-III and 03 Nos in lieu ofwarden residence (03 nos Blocks of G+2 Storey and 01 No Blocks ofG+1 Storey, RCC framed structure), Plinth area 21x60 = 1260.00 Sqm.						
(i)	COST OF CIVIL WORKS	[As pe	r details at	ached]	288.71		2.99
(ii)	COST OF INTERNAL WATER SUPPLY & SANITATION WORKS	[As pe	r details at	ached]	31.63		5.16
(iii)	COST OF INTERNAL ELECTRICAL WORKS	[As pe	r details at	-		42.13	3.95
8	Type-II staff quarters 13 no. (02 Block of G+2 Storey and 01 Single Storied, RCC framed structure), Plinth area 13x50 = 650.00 sqm.		<u>T0</u> ′	FAL [A 5]	320.34	42.13	12.10
(i)	COST OF CIVIL WORKS		r details at	1	143.64		1.85
(ii)	COST OF INTERNAL WATER SUPPLY & SANITATION WORKS	- <u>-</u>	r details at	-	20.65		3.20
(iii)	COST OF INTERNAL ELECTRICAL WORKS	[As pe	r details at		1/100	22.40	2.45
9	Guest House - 01 no. (Single Storey, RCC framed structure), Plinth area 60.00 Sqm.		10	FAL [A 5]	164.29	22.40	7.50
(i)	COST OF CIVIL WORKS	L 1	r details at	-	15.81		0.08
(ii)	COST OF INTERNAL WATER SUPPLY & SANITATION WORKS		r details at		1.49	1.04	0.70
(iii)	COST OF INTERNAL ELECTRICAL WORKS	[As pe	r details at	TAL [A 5]	17.30	1.96 1.96	0.14 0.92
			10		17.50	1.70	0.92

NAME OF WORK : PROPOSED JAWAHAR NAVODAYA VIDYALAYA PHASE B BALANCE WORK AT JNV KUPWARA (J&K)

	SUMMARY OF DEVELOPM						
S.N.	PARTICULARS OF ITEMS	DSR-2023	DSR-2022	Non-DSR			
1	DEVELOPMENT OF CAMPUS						
1.1	Earth filling for road	73,713.62					
1.2.	CC Road 3.50 Mtr	4,312,013.37					
1.3	CC Pathway 2.00 Mtr	2,736,594.90					
1.4	OUTER DRAIN ARROUND THE BUILDING (230X300)	1,009,180.21					
1.5	EXTERNAL DRAIN ARROUND THE BUILDING (300X450)	251,063.45					
1.6	EXTERNAL WATER SUPPLY DISTRIBUTION LINE	748,897.33		-			
	EXTERNAL SEWER LINE	836,511.94					
	SEPTIC TANK 100 USERS 02 NUMBER	563,186.98					
	SEPTIC TANK 50 USERS 01 NUMBER	362,622.54					
1.11	Mini Sports Complex	3,781,965.14		1,563,056.00			
	Tube Well	576,160.60		285,160.40			
	Running Track - 200 Meter	2,080,485.00		,			
1.14	Gym (Dip Station, Monkey Bars, Pull-up station, Push up Bar, Horse Rider, shoulder press, leg press, chest press), Elliptical Exerciser, Double cross walker, Triple Twister standing, Air Walker, Arm Wheel (shoulder wheel), Air Swing, Rowing Machine, Balance Beam, Weight assisted chest press, parallel bar along with Base of the area & all around CC Paver Block			3,000,000.00			
2	EXTERNAL ELECTRIFICATION						
2.1	HT/ LT PANEL			900,000.00			
2.2	STREET LIGHTING USING UNDER GROUND CABLES			1,124,011.53			
2.3	EXTERNAL CABLE LAYING / CABLE CONNECTION USING U.G. CABLES FROM SUB STATION TO FEEDER PILLER / BUILDIING AND PUMP HOUSE AND EARTHING		1,306,942.88				
		17,332,395.08	1,306,942.88	6,872,227.93			
	TOTAL (A)	173.31	13.07	68.72			
	ADD C.I 28.97% (derived as (138-107)/107x100 = 28.97% as on 04/2023 of Kupwara on PAR-2023 & DSR- 2023	50.21	3.79				
	TOTAL (B)	223.52	16.86	68.72			
	GRAND TOTAL	309.10					
	SUMMARY OF BOUNDARY V	VALL WORKS					
S.N.	PARTICULARS OF ITEMS	DSR-2023	DSR-2022	Non-DSR			
1	DEVELOPMENT OF CAMPUS						
1.1	Boundary wall with 1.80 Mtr height masonary work with 600 mm dia concertina coil on top as per NVS standard drawing (Total Length = 648.00 Meters)	12,090,818.16					

S.N.	PARTICULARS OF ITEMS			
5.14.	TAKITCOLARS OF ITEMS	DSR-2023	DSR-2022	Non-DSR
1.2.	Cost of Repair work of existing campus boundary wall (Total length = 657.00 Mtr)	3,117,953.69		
1.3.	Main entry Gate (shall be 6.00 mtrs, wide as oer fire norms) along with sentry booth/guard room)	1,704,549.22	49,406.20	62,500.00
		16,913,903.89	49,423.06	62,568.72
	TOTAL (A)	169.14	0.49	0.63
	ADD C.I 28.97% (derived as (138-107)/107x100 = 28.97% as on 04/2023 of Kupwara on PAR-2023 & DSR-2023	49.00	0.14	
	TOTAL (B)	218.14	0.63	0.63
	GRAND TOTAL	219.40		

	#N	<u>CT OF COST</u> AME?	-				
S.N.	DESCRIPTION OF ITEM	DSR - 2023	QUANTITY	UNIT	RATES	AMOUNT DSR ITEM	AMOUNT [M.R. ITEM]
A	Earth Work						
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. All kinds of soil.		432.180	CUM	260.30	112.407.45	
	.All kinds of soil.	2.8.1	432.180	COM	260.30	112,496.45	
2	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth,consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5 m.		432.180	CUM	196.00	84,707.28	
3	Extra for every additional lift of 1.5 m or part thereof in excavation / banking excavated or stacked materials. All kinds of soil	2.26.1	108.050	CUM	126.80	13,700.74	
B 4	Concrete Work Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:5:10 (1 cement : 5 coarse sand (zoneIII)derived from natural sources : 10 graded stone aggregate 40 mm nominal size derived from natural sources)	4.1.10	21.610	CUM	6518.60	140,866.95	
С 5	Reinforced Cement Concrete Centering and shuttering including strutting, propping etc. and removal of form for all heights :						
(a)	Foundations, footings, bases of columns, etc. for mass concrete.	5.9.1	62.100	SQM	392.15	24,352.52	
(c)	Suspended floors, roofs, landings, balconies and access platform	5.9.3		SQM	927.25	-	
(d)	Lintels, beams, plinth beams, girders, bressumers and cantilevers Columns, Pillars, Piers, Abutments, Posts and Struts.	5.9.5 5.9.6	618.380 106.920	RM SQM	736.40 961.30	455,375.03 102,782.20	
(e) (f)	Edges of slabs and breaks in floors and walls Under 20 cm wide.	5.9.16.1	108.920	SQM	208.55	22,731.95	
. ,							
6	Steel reinforcement for R.C.C. work including straightening, cutting, bending,						
	placing in position and binding all complete upto plinth level. Thermo- Mechanically Treated bars of grade Fe-500D or more.	5.22.6	207.694	QTL.	10785.00	2,239,978.17	
7 8	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete a bove plinth level. Thermo- Mechanically Treated bars of grade Fe-500 D or more. Add for plaster drip course/ groove in plastered surface or moulding to R.C.C. projections.	5.22.A.6 5.30	154.629 383.000	QTL. RM	10785.00 78.40	1,667,677.00 30,027.20	
9	Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge; for the following grades of concrete. Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 110% of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement.						
(I)	All works upto plinth level	5.33.1					
	Concrete of M25 grade with minimum cement content of 330 kg /cum (i) R.C.C. work in Footing	5.33.1.1 5.33.1.1	122.330	CUM	9504.75	1,162,716.07	
	(i) R.C.C. work in Footing (ii) R.C.C. work in Beam	5.33.1.1	26.600	CUM	9504.75	252,826.35	
	(iii) R.C.C. work in Columns	5.33.1.1	4.370	CUM	9504.75	41,535.76	
	(iv) R.C.C. work in Grade Slab (v) R.C.C. work in RETAINING Wall	5.33.1.1 5.33.1.1	93.610	CUM CUM	9504.75 9504.75	889,739.65	
(II)	All works above plinth level upto floor V level Concrete of M25 grade with minimum cement content of 330 kg/cum	5.33.2 5.33.2.1					
	(i) R.C.C. work in Lintel	5.33.2.1	2.620	CUM	9860.40	25,834.25	
	(ii) R.C.C. work in Beam (iii) R.C.C. work in Columns	5.33.2.1 5.33.2.1	59.940 11.660	CUM CUM	9860.40 9860.40	591,032.38 114,972.26	
	(iii) R.C.C. work in Columns (iv) R.C.C. work in Slab	5.33.2.1	81.130	CUM	9860.40	799,974.25	
D	Masonry Work						
10	Haloff brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.Cement mortar 1:4 (1 cement :4 coarse sand)	6.13.2	178.610	Sqm	1123.80	200,721.92	

S.N.	DESCRIPTION OF ITEM	DSR - 2023	QUANTITY	UNIT	RATES	AMOUNT DSR ITEM	AMOUNT [M.R. ITEM]
12	Brick work with non modular fly ash bricks conforming to IS:12894, class designation 10 average compressive strength in superstructure above plinth level up to floor V level in : Cement mortar 1:6 (1 cement : 6 coarse sand)	6242	165.660	CUM	9752 55	1 440 047 42	
		6.34.2	165.660	CUM	8752.55	1,449,947.43	
13	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:6 (1 cement : 6 coarse sand)	6.1.2	77.250	CUM	7132.25	550,966.31	
-							
E	Cladding Work Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels.						
14	Area of slab upto 0.50 sqm	8.2.2.1	13.08	SQM	5413.50	70,808.58	
15	Area of slab over 0.50 sqm	8.2.2.2	78.24	SQM	5136.30	401,864.11	
16	Providing edge moulding to 18mm thick marble stone counters, Vanities etc. including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge.						
	Granite work	8.3.2	130.44	RM	510.95	66,648.32	
17	Extra for fixing marble /granite stone over and above corresponding basic						
	item, in facia and drops of width upto 150 mm with epoxy resin based adhesive including cleaning etc. complete.	8.4	130.44	RM	568.55	74,161.66	
18	Extra for providing opening of required size & shape for wash basins/ kitchen						
	sink in kitchen platform, vanity counters and similar location in marble/Granite/stone work including necessary holes for pillar taps etc.						
	including moulding, rubbing and polishing of cut edges etc. complete.	8.5	12.00	EACH	978.70	11,744.40	
19	Stone tile (polished) work for wall lining over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and cement slurry @ 3.3 kg/sqm including pointing in white cement complete. 8mm thick Granite of any colour and shade	8.9.1.2	162.730	SQM	3617.55	588,683.91	
20	Providing and fixing Ist quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	8.31	362.110	SQM	1267.95	459,137.37	
F	Wood and PVC Work						
21	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters:	9.21					
	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	9.21.1	91.980	SQM	2392.65	220,075.95	
22	Extra for providing lipping with 2nd class teak wood battens 25 mm minimum depth on all edges of flush door shutters (over all area of door shutter to be measured).	9.23	91.980	SQM	462.35	42,526.95	
	Extension outling sphots in fluct data should be (Ter 1) for the first state						
23	Extra for cutting rebate in flush door shutters (Total area of the shutter to be measured).	9.26	3.780	SQM	106.70	403.33	
24	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to steel windows by welding.	0.40.1	40.45 (90)	KO	210.10	007 400 40	
25	Providing and fixing oxidised M.S. casement stays (straight peg type) with	9.48.1	4045.680	KG	219.10	886,408.49	
(i)	necessary screws etc. complete. 300 mm weighing not less than 200 gms	9.68.1	230.00	NOS	67.40	15,502.00	
(ii)	250 mm weighing not less than 200 gms	9.68.2	189.00	NOS	61.05	11,538.45	
26	Providing and fixing aluminium hanging floor door stopper ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868)						
	transparent or dyed to required colour or shade with necessary screws etc.	0 101 2	60.000	NOC	70.25	4 000 15	
	complete. Twin rubber stopper	9.101.2	69.000	NOS	72.35	4,992.15	

S.N.	DESCRIPTION OF ITEM		QUANTITY	UNIT	RATES	AMOUNT DSR ITEM	AMOUNT [M.R. ITEM]
27	Providing and fixing Fiber Glass Reinforced plastic (FRP) Door Frames of cross-section 90 mm x 45 mm having single rebate of 32 mm x 15 mm to receive shutter of 30 mm thickness. The laminate shall be moulded with fire resistant grade unsaturated polyester resin and chopped mat. Door frame laminate shall be 2mm thick and shall be filled with suitable wooden block in all the three legs. The frame shall be covered with fiber glass from all sides. M.S. stay shall be provided at the bottom to steady the frame.	9.121	167.550	RM	570.95	95,662.67	
28	Providing and fixing to existing door frames. 30 mm thick Fiberglass Reinforced Plastic (F.R.P.) flush door shutter in different plain and wood finish made with fire retardant grade unsaturated polyester resin, moulded to 3 mm thick FRP laminate all around, with suitable wooden blocks inside at required places for fixing of fittings and polyurethane foam (PUF)/Polystyrene foam to be used as filler material throughout the hollow panel, casted monolithically with testing parameters of F.R.P. laminate conforming to table - 3 of IS: 14856, complete as per direction of Engineer-in- charee	9.122.2	51.980	SQM	4488.95	233,335.62	
29	Providing & Fixing decorative high pressure laminated sheet of plain / wood grain in gloss / matt/ suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046 Type S, including cost of adhesive of approved quality. 1.0 mm thick	9.127.2	183.96	SQM	897.30	165,067.31	
30	Providing and fixing bright /matt finished Stainless Steel handles of approved quality & make with necessary screws etc all complete. (a) 125 mm.	9.165.1	138.000	NOS	119.20	16,449.60	
31	Providing & fixing Stainless steel sliding door bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with nuts and screws etc complete. (a) 250mm x 16mm .	M.R.	68.000	NOS	560.00		38,080.00
32	Providing and fixing stainless steel towerbolts (barrel type) with necessary screws etc. complete. 300 x 10mm 150 x 10mm	M.R. M.R.	68.000 68.000	NOS NOS	448.00 392.00		30,464.00 26,656.00
G 33	Steel Work Providing and fixing factory made ISI marked steel glazed doors, windows and ventilators, side /top /centre hung, with beading and all members such as F7D, F4B, K11 B and K12 B etc. complete of standard rolled steel sections, joints mitred and flash butt welded and sash bars tenoned and riveted, including providing and fixing of hinges, pivots, including priming coat of approved steel primer, but excluding the cost of other fittings, complete all as per approved design, (sectional weight of only steel members shall be measured for payment). Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size).	10.11.1	458.46	KG	131.05	60,081.18	
34	Providing and fixing M.S. Tubular frames for doors, windows, ventilators and cupboard with rectangular/ L-Type sections, made of 1.60 mm thick M.S. Sheet, joints mitred, welded and grinded finish, with profiles of required size, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer. Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	10.15.1	1353.48	Kg	195.20	264,199.30	
35	Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with : 4.0 mm thick glass panes.	10.30.1	32.780	SQM	1064.65	34,899.23	
36	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners, stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge.						
<u>Н</u> 37	Flooring Chequerred precast cement concrete tiles 22 mm thick in footpath & courtyard, jointed with neat cement slurry mixed with pigment to match the shade of tiles, including rubbing and cleaning etc. complete, on 20 mm thick	10.28	137.050	KG	772.40	105,857.42	
	bed of cement mortar 1:4 (1 cement: 4 coarse sand). Medium shade pigment using 50% white cement 50% Grev cement	11.20.2	17.410	SQM	1328.35	23,126.57	

S.N.	DESCRIPTION OF ITEM	DSR - 2023	QUANTITY	UNIT	RATES	AMOUNT DSR ITEM	AMOUNT [M.R. ITEM]
38	Providing and fixing 10 mm thick acid and/or alkali resistant tiles of approved make and colour using acid and/or alkali resisting mortar bedding, and joints filled with acid and/or alkali resisting cement as per IS : 4457, complete as per the direction of Engineer-in- Charge. In flooring on a bed of 10 mm thick mortar 1:4 (1 acid proof cement : 4 coarse sand) Acid and alkali resistant tile.						
39	Providing and fixing 10 mm thick acid and/or alkali resistant tiles of approved make and colour using acid and/or alkali resisting mortar bedding, and joints filled with acid and/or alkali resisting cement as per IS : 4457, complete as	11.21.1.1	62.330	SQM	1738.15	108,338.89	
	per the direction of Engineer-in- Charge.In dado/skirting on 12 mm thick mortar 1:4 (1 acid proof cement : 4 coarse sand) Acid and alkali resistant tile.	11.21.2	48.470	SQM	1884.90	91,361.10	
40	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) : 25 mm thick	11.26.1	16.730	SQM	1948.25	32,594.22	
41	Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete.						
	staos, including rubbing and poissing complete.	11.27	2.510	SQM	2354.70	5,909.12	
42	Providing and laying Vitrified tiles in floor in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid on 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) jointing with grey cement slurry @3.3 kg/sqm including grouting the joints with white cement and matching pigments etc. The tiles must be cut with the zero chipping diamond cutter only . Laying of tiles will be done with the notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet for placing the tiles gently and easily.Glazed Vitrified tiles Matt/Antiskid finish of size Size of Tile 600 x 600 mm	11.41A.3.1	36.000	SQM	1464.85	52,734.60	
43	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including grouting the joints with white cement and matching pigments etc., complete. (a) Size of Tile 600x600 mm	11.41.2	445.771	SQM	1553.45	692,483.63	
44	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and onforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including grouting the joint with white cement & matching pigments etc. complete. Size of Tile 600x600						
	mm	11.46.2	66.866	SQM	1623.05	108,526.40	
I 45	Finishing 15 mm cement plaster on the rough side of single or half brick wall of mix : 1:6 (1 cement: 6 coarse sand)	13.5.2	457.800	SQM	395.35	180,991.23	
46	12mm cement plaster in single coat on fair side of single or half brick wall for exterior plastering up to floor two level including internal rounded angles chamfers, and/or rounded angles not exceeding 80mm in girth and finished even and smooth no extra for mixing any additive. 1:6 (1 cement: 6 coarse sand)	13.4.2	100.490	SQM	343.65	34,533.39	
47	6 mm cement plaster on celling (a) 1:3(1 cement:3 fine sand)	13.16.1	624.080	SQM	300.45	187,504.84	
48	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade : New work (two or more coats) over and	12 /1 1	724 570	SOM	185.65	124 516 42	
49	including water thinnable priming coat with cement primer. Finishing walls with textured exterior paint of required shade: New work (Two or more coats applied @ 3.28 ltr/10 sqm) over and including priming coat of exterior primer applied @ 2.20kg/10 sqm	13.41.1	91.560	SQM SQM	223.60	20,472.82	
50	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade. New work (Two or more coats applied @ 1.43 ltr/ 10 sqm. over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm).	13.47.1	366.240	SQM	171.10	62,663.66	
	Applying priming coat:	13.50					
51	With ready mixed aluminum primer of approved brand and manufacture on resinous wood and plywood.	13.50.2	22.680	SQM	74.65	1,693.06	

S.N.	DESCRIPTION OF ITEM	DSR - 2023	QUANTITY	UNIT	RATES	AMOUNT DSR ITEM	AMOUNT [M.R. ITEM]
52	Applying priming coat:						
	With ready mixed red oxide zinc chromate primer of approved brand and	13.50.3	81.890	SOM	67.40	5 510 20	
	manufacture on steel galvanised iron/ steel works	13.50.3	81.890	SQM	67.40	5,519.39	
53	"Painting with synthetic enamel paint of approved brand and manufacture of						
	required colour to give an even shade :Two or more coats on new work over						
	an under coat of suitable shade with ordinary paint of approved brand and						
	manufacture"	13.62.1					
			81.890	SQM	226.25	18,527.61	
54	Providing and applying white cement based putty of average thickness 1 mm,						
	of approved brand and manufacturer, over the plastered wall surface to						
	prepare the surface even and smooth complete.	13.80	624.080	SQM	156.05	97,387.68	
		15.80	024.080	SQM	130.03	97,587.08	
J	Water Proofing						
55	Providing and laying water proofing treatment in sunken portion of WCs,						
	bathroom etc., by applying cement slurry mixed with water proofing cement						
	compound consisting of applying : a) First layer of slurry of cement @ 0.488						
	kg/sqm mixed with water proofing cement compound @ 0.253 kg/sqm. This						
	layer will be allowed to air cure for 4 hours. b) Second layer of slurry of						
	cement @ 0.242 kg/sqm mixed with water proofing cement compound @						
	0.126 kg/sqm. This layer will be allowed to air cure for 4 hours followed with						
	water curing for 48 hours. The rate includes preparation of surface, treatment						
	and sealing of all joints, corners, junctions of pipes and masonry with polymer						
	mixed slurry.						
		22.5	62.60	SQM	617.05	38,627.33	
56	Providing and filling of AAC Lightweight Broken Blocks sunken portions.						
50	rioviding and mining of three Eightweight Broken Brocks sunken portons.	MR	10.360	CUM	4132.00		42,807.52
57	Providing and fixing 8mm thick glass shelves in labs.	21.3.3	28.170	SQM	1685.40	47,477.72	
58	Painting top of roofs with bitumen of approved quality @ 17kg per 10 sqm						
20	impregnated with a coat of coarse sand at 60 cudm per 10 sqm, including						
	cleaning the slab surface with brushes and finally with a piece of cloth lightly						
	soaked in kerosene oil complete :	12.15					
	With residual type petroleum bitumen of grade VG -10	12.15.1	624.08	SQM	166.20	103,722.10	
					TOTAL	16,872,440.23	138,007.52
			Sav	Rs. In L	acs	168.72	1.38

	PLUMBING INTERNAL ESTIMATE		
ESTI	MATE OF FOR CONSTRUCTION OF ADDITIONAL DORMITORY & STAFF QUA KASHMIR	ARTERS AT JNV KUPW.	ARA, JAMMU AND
Sl. No.	Description	School B	uilding
		DSR Items -2023	NS Items
1	Sanitary Installation	552,877.70	173,595.00
2	Water Supply	163,606.58	72,190.00
3	Drainage	160,171.55	12,288.00
	Total	876,655.83	258,073.00
	Say in Lacs	8.77	2.58

PLUMBING INTERN E OF FOR CONSTRUCTION OF ADDITION Description Sub Head – I Sanitary Installation Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required: White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests. Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.L brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid Providing and fixing floor mounted, white vitreous china single piece, double traps syphonic water closet of approved brand/make, shape, size and pattern including integrated white vitreous china cistern of capacity 10 litres with dual flushing system, including all strings with seat cover, cistern fittings, nucls, bolts and gasket et cincluding making connection with the existing P/S trap.			school Buildin Laboratories in	UARTERS g for 04 nos classr cluding corridor & for bosy and girls Amo DSR 60.906.60	oom & 04 Nos Toilets Blocks
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(European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid Providing and fixing floor mounted, white vitreous china single piece, double traps syphonic water closet of approved brand/make, shape, size and pattern including integrated white vitreous china single fittings and fixtures with seat cover, cistern fittings, nuts, bolts and gasket et including making connection with the existing P/S trap,	8,006.60	each	0		
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Providing and fixing floor mounted, white vitreous china single piece, double traps syphonic water closet of approved brand/make, shape, size and pattern including integrated white vitreous china cistern of capacity 10 litres with dual flushing system, including all fittings and fixtures with seat cover, cistern fittings, nuts, bolts and gasket etc including making connection with the existing P/S trap,	8,006.60	each	0	-	
piece, double traps syphonic water closet of approved brand/make, shape, size and pattern including integrated white vitreous china cistern of capacity 10 litres with dual flushing system, including all fittings and fixtures with seat cover, cistern fittings, nuts, bolts and gasket etc including making connection with the existing P/S trap,					
complete in all respect as per directions of Engineer-in-Charge.					
	18,212.90	each	0	-	
Providing and fixing white vitreous china battery based infrared sensor operated urinal of approx. size 610 x 390 x 370 mm having pre & post flushing with water (250 ml & 500 ml consumption), having water inlet from back side, including fixing to wall with suitable brackets all as per manufacturers specification and direction of Engineer-in-charge.	7,979.20	each	0		
Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:					
White Vitreous China Wash basin size 550x400 mm with a pair of 15 mm C.P. brass pillar taps	2,301.75	each	4.00	9,207.00	
Providing and fixing white vitreous china wash basin under counter basin, with C.I. concealed type brackets fixed to walls with GI rag bolts or approved fasteners etc., including 32 mm CP brass waste coupling, including painting of fittings and brackets, cutting and making good the walls wherever required all complete (Granite counter top will be measured and paid separately under relevent item): as per approved make and decision of engineer-in-charge	4,689.00	each	9		42,201.00
Providing and fixing toilet paper holder :	-1,007.00	caen	,		72,201.00
	802 70	each	9	7,233.30	
	pre & post flushing with water (250 ml & 500 ml consumption), having water inlet from back side, including fixing to wall with suitable brackets all as per manufacturers specification and direction of Engineer-in-charge. Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require: White Vitreous China Wash basin size 550x400 mm with a pair of 15 mm C.P. brass pillar taps Providing and fixing white vitreous china wash basin under counter basin, with C.I. concealed type brackets fixed to walls with GI rag bolts or approved fasteners etc., including 32 mm CP brass waste coupling, including painting of fittings and brackets, cutting and making good the walls wherever required all complete (Granite counter top will be measured and paid separately under relevent item): as per approved make and decision of engineer-in-charge Providing and fixing toilet paper holder :	pre & post flushing with water (250 ml & 500 ml consumption), having water inlet from back side, including fixing to wall with suitable brackets all as per manufacturers specification and direction of Engineer-in-charge. 7,979.20 Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require: 2,301.75 White Vitreous China Wash basin size 550x400 mm with a pair of 15 mm C.P. brass pillar taps 2,301.75 Providing and fixing white vitreous china wash basin under counter basin, with C.L. concealed type brackets fixed to walls with GI rag bolts or approved fasteners etc., including 32 mm CP brass waste coupling, including painting of fittings and brackets, cutting and making good the walls wherever required all complete (Granite counter top will be measured and paid separately under relevent item): as per approved make and decision of engineer-in-charge 4,689.00 Providing and fixing toilet paper holder :	pre & post flushing with water (250 ml & 500 ml consumption), having water inlet from back side, including fixing to wall with suitable brackets all as per manufacturers specification and direction of Engineer-in-charge. 7,979.20 each Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require: White Vitreous China Wash basin size 550x400 mm with a pair of 15 mm C.P. brass pillar taps 2,301.75 each Providing and fixing white vitreous china wash basin under counter basin, with C.L. concealed type brackets fixed to walls with GI rag bolts or approved fasteners etc., including 32 mm CP brass waste coupling, including painting of fittings and brackets, cutting and making good the walls wherever required all complete (Granite counter top will be measured and paid separately under relevent item): as per approved make and decision of engineer-in-charge 4,689.00 each Providing and fixing toilet paper holder :	pre & post flushing with water (250 ml & 500 ml consumption), having water inlet from back side, including fixing to wall with suitable brackets all as per manufacturers specification and direction of Engineer-in-charge. 7,979.20 each 0 Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require: White Vitreous China Wash basin size 550x400 mm with a pair of 15 mm C.P. brass pillar taps 2,301.75 each 4.00 Providing and fixing white vitreous china wash basin under counter basin, with C.L. concealed type brackets fixed to walls with GI rag bolts or approved fasteners etc., including 32 mm CP brass waste coupling, including paid separately under relevent item): as per approved make and decision of engineer-in-charge 4,689.00 each 9 Providing and fixing toilet paper holder :	pre & post flushing with water (250 ml & 500 ml consumption), having water inlet from back side, including fixing to wall with suitable brackets all as per manufacturers specification and direction of Engineer-in-charge. 7,979.20 each 0 - Providing and fixing wash basin with C.L brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require: White Vitreous China Wash basin size 550x400 mm with a pair of 15 mm C.P. brass pillar taps 2,301.75 each 4.00 9,207.00 Providing and fixing white vitreous china wash basin under counter basin, with C.L concealed type brackets fixed to walls with GI rag bolts or approved fasteners etc., including 32 mm CP brass waste coupling, including painting of fittings and brackets, cutting and making good the walls wherever required all complete (Granite counter top will be measured and paid separately under relevent item): as per approved make and decision of engineer-in-charge 4,689.00 each 9 Providing and fixing toilet paper holder :

Image: constraint of the second of	I I	DSR '23				Qty	Amo	ount
19 popo with 450mm long braided hose (connection pipe) basin pillar ing of Jaquer LYR-3800B or Equivalent as approved by Figure r. In Charge. 7,406.00 each 4 29, 1.10 17.22A Providing and fixing 32mm C.P brass bottle Tray of approved quality glass (of approved quality) complete with form thick hard board ground fixed to wooden cleats with C.P. brass screws and wakers 1.607.95 seach 13 13,452.40 1.11 growiding and fixing 5004590 mm breveled edge mirror of superior glass (of approved quality) complete with 6.mm thick hard board ground fixed to wooden cleats with C.P. brass screws and wakers 1.607.95 Sqm 13 20,903.35 1.12 providing and fixing Smithes Steel A ISI 304 (18/8) kitcher sink as per IS: 1.1988 with C.L. brackets, cuiting and making 17.100 Figure 13 6945.60 each 1 6,945.60 17.10.1 Kitchen sink with drain board - - - - - 17.10.2 Kitchen sink with adm board - - - - - 17.10.2 Kitchen sink with adm board - - - - - 17.10.1 Sizekhow sink with adm board - - - - - -	1.8	NSI-2		5,092.00	each	9		45,828.00
19 popo with 450mm long braided hose (connection pipe) basin pillar ing of Jaquer LYR-3800B or Equivalent as approved by Figure r. In Charge. 7,406.00 each 4 29, 1.10 17.22A Providing and fixing 32mm C.P brass bottle Tray of approved quality glass (of approved quality) complete with form thick hard board ground fixed to wooden cleats with C.P. brass screws and wakers 1.607.95 seach 13 13,452.40 1.11 growiding and fixing 5004590 mm breveled edge mirror of superior glass (of approved quality) complete with 6.mm thick hard board ground fixed to wooden cleats with C.P. brass screws and wakers 1.607.95 Sqm 13 20,903.35 1.12 providing and fixing Smithes Steel A ISI 304 (18/8) kitcher sink as per IS: 1.1988 with C.L. brackets, cuiting and making 17.100 Figure 13 6945.60 each 1 6,945.60 17.10.1 Kitchen sink with drain board - - - - - 17.10.2 Kitchen sink with adm board - - - - - 17.10.2 Kitchen sink with adm board - - - - - 17.10.1 Sizekhow sink with adm board - - - - - -								
1.10 17.22.A & make as per the direction of engineer-in-inchange. 1.034.80 each 1.3 13.452.40 1.11 Providing and fixing 600450 mm bevicle dage mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers a complete. 1.607.95 Sqm 1.3 20.903.35 1.12 providing and fixing Sinites Steel A ISI 304 (18%) kitchen sink as per B: 13983 with C.I. brackets and stainless steel plag 40 mm, incluing parting of fittings and brackets, cutting and making 20 1.607.95 Sqm 1.3 20.903.35 1.12 providing and fixing 600420 mm 6445.60 each 1 6,945.60 17.10.1 318.1400 mm howl deph 250mm 6445.60 each 1 6,945.60 17.10.2 Kitchen sink with outd frain board 3,873.80 each 0 - 17.10.2 Kitchen sink with outd frain board 3,873.80 each 0 - 17.10.2 Kitchen sink with outd frain board 3,873.80 each 0 - 17.10.2 Kitchen sink with outd frain board 3,873.80 each 0 -	1.9	NSI-3	popo with 450mm long braided hose (connection pipe) basin pillar tap of Jaquar LYR-38001B or Equivalent as approved by	7,406.00	each	4		29,624.00
1.10 17.22.A & make as per the direction of engineer-in-inchange. 1.034.80 each 1.3 13.452.40 1.11 Providing and fixing 600450 mm bevicle dage mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers a complete. 1.607.95 Sqm 1.3 20.903.35 1.12 providing and fixing Sinites Steel A ISI 304 (18%) kitchen sink as per B: 13983 with C.I. brackets and stainless steel plag 40 mm, incluing parting of fittings and brackets, cutting and making 20 1.607.95 Sqm 1.3 20.903.35 1.12 providing and fixing 600420 mm 6445.60 each 1 6,945.60 17.10.1 318.1400 mm howl deph 250mm 6445.60 each 1 6,945.60 17.10.2 Kitchen sink with outd frain board 3,873.80 each 0 - 17.10.2 Kitchen sink with outd frain board 3,873.80 each 0 - 17.10.2 Kitchen sink with outd frain board 3,873.80 each 0 - 17.10.2 Kitchen sink with outd frain board 3,873.80 each 0 -								
1.11 glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass serves and washers 1.607.95 Sqm 13 20.903.35 1.12 providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS : 13983 with C.L brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making 1 </td <td>1.10</td> <td>17.22A</td> <td></td> <td>1,034.80</td> <td>each</td> <td>13</td> <td>13,452.40</td> <td></td>	1.10	17.22A		1,034.80	each	13	13,452.40	
I.12 per IS : 13983 with C.L. brackets and stainless steel plug 40 mm, including pointing of fittings and brackets, cutting and making good the walls wherever required : I7.10.1 Kitchen sink with dnin board 6945.60 each 1 6,945.60 I7.10.2 Kitchen sink without drain board	1.11	17.31	glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers	1,607.95	Sqm	13	20,903.35	
I.12 per IS : 13983 with C.L. brackets and stainless steel plug 40 mm, including pointing of fittings and brackets, cutting and making good the walls wherever required : I7.10.1 Kitchen sink with dnin board 6945.60 each 1 6,945.60 I7.10.2 Kitchen sink without drain board								
17.10.1.1 510x1040 mm bowl depth 250mm 6945.60 each 1 6.945.60 17.10.2.2 Kitchen sink without drain board 3.873.80 each 0 - 17.10.2.2 Kitchen sink without depth 200 mm 3.873.80 each 0 - 17.10.2.2 Kitchen sink with ubber plug, 40 mm C.P brass waste and 40mm C.P. brass train with rubber plug, 40 mm C.P brass waste and 40mm C.P. brass uns with accessary C.P. brass unson complete, including painting of fittings and brackets, cutting and making good if, iii therever required : - - 17.11.1 Size 450x300x150 mm 5,020.85 each 6 30,125.10 1.14 Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. - - - 1.7.28.2.2 40 mm dia 119.55 each 7 836.85 1.15 17.35 Providing and fixing soil, waste and vent pipes : - - - 17.35.1.10 00 mm dia 119.55 each 7 836.85 1.15 17.35 Providing and fixing soil, waste and vent pipes : - - -	1.12		per IS : 13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required :					
17.10.2 Kitchen sink without drain board 17.10.2.2 610x460 mm bowl depth 200 mm 3,873.80 each 0 17.10.2.2 610x460 mm bowl depth 200 mm 3,873.80 each 0 1.13 and 40mm C.P. brass thain with rubber plug, 40 mm C.P brass waste and 40mm C.P. brass thing sand threeses and 20.8 and 40mm C.P. brass thain with rubber plug, 40 mm C.P. brass waste and 40mm C.P. brass the providing and fixing sand brackets, cutting and making good the wall wherever required : and 40mm C.P. brass than with rubber plug, 40 mm C.P. brass waste and 40mm C.P. brass the providing and fixing sond brackets, cutting and making good the wall wherever required : brackets, 20.20.85 each 6 30,125.10 17.11 17.28.2 Flexible pipe 119.55 each 7 836.85 17.28.2 Flexible pipe 119.55 each 7 836.85 17.35.1 100 mm dia 119.55 each 7 836.85 17.35.1 100 mm dia 119.55 each 7 836.85 17.36.1 100 mm dia 119.55 each 162 189.426.60 17.38.1 100 mm 116 17.38 insertion rubber washer 3 mm thick, bolts and nuts complete. 1.169.30 meter								
17.10.2.2 610x460 nm bowl depth 200 nm 3,873.80 each 0 - 1.13 Providing and fixing white vitreous china laboratory sink with C.L brackets, C.P. brass chain with rubber plug, 40 mm C.P brass waste and 40 mm C.P. brass waste including painting of fittings and brackets, cutting and making good - - 1.13 Providing and fixing white vitreous china laboratory sink with C.L brackets, C.P. brass trans with necessary C.P. brass waste including painting of fittings and brackets, cutting and making good - - 1.14 Providing and fixing soil brackets, cutting and making good 5,020.85 each 6 30,125.10 1.14 Providing and fixing P.V.C. waste pipe for sink or wash basin including pAV.C. waste fittings complete. 119.55 each 7 836.85 1.15 17.28.2 Flexible pipe - - - - - 1.15 17.35 Providing and fixing soil, waste and vent pipes : -	\vdash	17.10.1.1	510x1040 mm bowl depth 250mm	6945.60	each	1	6,945.60	
17.10.2.2 610x460 nm bowl depth 200 nm 3,873.80 each 0 - 1.13 Providing and fixing white vitreous china laboratory sink with C.L brackets, C.P. brass chain with rubber plug, 40 mm C.P brass waste and 40 mm C.P. brass waste including painting of fittings and brackets, cutting and making good - - 1.13 Providing and fixing white vitreous china laboratory sink with C.L brackets, C.P. brass trans with necessary C.P. brass waste including painting of fittings and brackets, cutting and making good - - 1.14 Providing and fixing soil brackets, cutting and making good 5,020.85 each 6 30,125.10 1.14 Providing and fixing P.V.C. waste pipe for sink or wash basin including pAV.C. waste fittings complete. 119.55 each 7 836.85 1.15 17.28.2 Flexible pipe - - - - - 1.15 17.35 Providing and fixing soil, waste and vent pipes : -		17 10 2	Wishes at heady best here here h					
Image: Providing and fixing white vitreous china laboratory sink with C.I. brackets, C.P. brass chain with rubber plug, 40 mm C.P brass waste including painting of fittings and brackets, cutting and making good the wall wherever required : 1.13 including painting of fittings and brackets, cutting and making good the wall wherever required : 17.11 Size 450x300x150 mm 17.28 including P.V.C. waste fittings complete. 17.28.2 Flexible pipe 17.28.2.2 Flexible pipe 17.28.2.2 Flexible pipe 17.35.1 100 mm dia Hubless centrifugally cast (spun) iron pipes epoxy coated inside & 11,169.30 17.35.1.3 outside IS:15905 11.6 17.38.1 17.38.1 100 mm dia 11.6 17.38.1 17.38.1 100 mm dia 11.6 17.38.1 11.7.37.1 providing and fixing bend of required degree with access door. 17.38.1 100 mm Hubless centrifugally cast (spun) iron pipes epoxy coated inside & 0.1,169.30 mater 162 17.38.1 100 nm Hubless centrifugally cast (spun) iron epoxy coated inside & outside Hubless centrifugally cast (spun) iron pipe epoxy inside & outside Hubless centrifugally cast (spun				3 873 80	each	0	_	
Ints brackets, C.P. brass chain with rubber plug, 40 mm C.P brass waste and 40mm C.P. brass trap with necessary C.P. brass unions complete, including painting of fittings and brackets, cutting and making good Image: complete including painting of fittings and brackets, cutting and making good 17.11 the wall wherever required : 5,020.85 each 6 30,125.10 17.11 Size 450x300x150 mm 5,020.85 each 6 30,125.10 17.28.2 Providing and fixing P.V.C. waste pipe for sink or wash basin 1 </td <td></td> <td>17.10.2.2</td> <td></td> <td>5,875.80</td> <td>each</td> <td>0</td> <td>-</td> <td></td>		17.10.2.2		5,875.80	each	0	-	
17.11.1 Size 450x300x150 mm 5,020.85 each 6 30,125.10 1.14 17.28 Providing and fixing P.V.C. waste pipe for sink or wash basin 17.28.2 Flexible pipe 17.28.2 Flexible pipe 17.28.2 40 mm dia 119.55 each 7 836.85 1.15 17.35 Providing and fixing soil, waste and vent pipes : 17.35.1 100 mm dia 17.35.1.3 outside IS:15905 1,169.30 meter 162 189,426.60 <	1.13	17 11	brackets, C.P. brass chain with rubber plug, 40 mm C.P brass waste and 40mm C.P. brass trap with necessary C.P. brass unions complete, including painting of fittings and brackets, cutting and making good					
Interview Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Interview Interview <td></td> <td></td> <td>-</td> <td>5 020 85</td> <td>each</td> <td>6</td> <td>30 125 10</td> <td></td>			-	5 020 85	each	6	30 125 10	
1.14 17.28 including P.V.C. waste fittings complete.			5120 +50x500x150 mm	5,020.05	cuen	0	50,125.10	
17.28.2.2 40 mm dia 119.55 each 7 836.85 1.15 17.35 Providing and fixing soil, waste and vent pipes : 1	1.14		including P.V.C. waste fittings complete.					
1.15 17.35 Providing and fixing soil, waste and vent pipes :								
17.35.1 100 mm dia 11 Hubless centrifugally cast (spun) iron pipes epoxy coated inside & 1,169.30 meter 162 189,426.60 1.16 Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete. 17.38.1 162 189,426.60 1.16 Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete. 17.38.1 100 mm 1.7.38.1 100 mm 162 567.20 each 1 Hubless centrifugally cast (spun) iron epoxy coated inside & outside 567.20 each 1 567.20 1.17 17.39 Providing and fixing plain bend of required degree. 1 1 1 567.20 1.17 17.39.1 100 mm 100 mm 1		17.28.2.2	40 mm dia	119.55	each	7	836.85	
17.35.1 100 mm dia 11 Hubless centrifugally cast (spun) iron pipes epoxy coated inside & 1,169.30 meter 162 189,426.60 1.16 Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete. 162 189,426.60 1.16 Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete. 162 189,426.60 1.16 Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete. 17.38.1 162 189,426.60 1.17 17.38.1 100 mm 162 567.20 each 1 567.20 1.17 17.39.1 100 mm 16 16,560.00 1 16,560.00 1.18 17.40.1 Providing and fixing heel rest sanitary bend 16,560.00 16,560.00 1 1.18 17.40.1.1 100 mm dia 1 1 17.40.1.2 Sand cast iron S&S as per IS - 3989 548.70 each 6 3,292.20	1.15	17.35	Providing and fixing soil waste and vent nines					
Hubless centrifugally cast (spun) iron pipes epoxy coated inside & utside IS:15905 1,169.30 meter 162 189,426.60 1.16 17.38.1 Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete. 1 </td <td>1.15</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td> </td> <td></td>	1.15							
1.10 17.38 insertion rubber washer 3 mm thick, bolts and nuts complete.		17.35.1.3	Hubless centrifugally cast (spun) iron pipes epoxy coated inside &	1,169.30	meter	162	189,426.60	
Hubless centrifugally cast (spun) iron epoxy coated inside & outside 567.20 each 1 567.20 1.7 17.39 Providing and fixing plain bend of required degree. 1	1.16		insertion rubber washer 3 mm thick, bolts and nuts complete.					
17.39.1 100 mm 1 2 1 100 mm <			Hubless centrifugally cast (spun) iron epoxy coated inside & outside	567.20	each	1	567.20	
17.39.1 100 mm 1 2 1 100 mm <	1.17	17.39	Providing and fixing plain bend of required degree.					
Hubless centrifugally cast (spun) iron pipe epoxy inside & outside 368.00 each 45 16,560.00 1.18 17.40 Providing and fixing heel rest sanitary bend	1.17							
17.40.1 100 mm dia 17.40.1.2 Sand cast iron S&S as per IS - 3989 548.70 each 6 3,292.20		17.39.1.3	Hubless centrifugally cast (spun) iron pipe epoxy inside & outside IS: 15905	368.00	each	45	16,560.00	
17.40.1.2 Sand cast iron S&S as per IS - 3989 548.70 each 6 3,292.20	1.18							
	⊢							
		17.40.1.2	Sand cast iron S&S as per IS - 3989	548.70	each	6	3,292.20	
1.19 Providing and fixing double equal plain junction of required degree 17.42	1.19	17.42	Providing and fixing double equal plain junction of required degree					
17.42.1 100x100x100 mm			100x100x100x100 mm					

1	DSR '23			[Qty	Amo	ount
	2011 20	Hubless centrifugally cast (spun) iron pipe epoxy inside & outside			QQ		
	17.42.1.3	IS: 15905	760.70	each	4	3,042.80	
		Providing and fixing single equal plain junction of required degree					
1.20		with access door, insertion rubber washer 3 mm thick, bolts and nuts					
	17.43	complete.					
	17.43.1	100x100x100 mm					
	17.43.1.2	sand cast Iron S&S as per IS: 3989	925.70	each	12	11,108.40	
		Denviding and fining single court plain investion of accurated denses					
1.21	17.44	Providing and fixing single equal plain junction of required degree					
	17.44	100x100x100 mm					
	1/.44.1	Hubless centrifugally cast (spun) iron pipe epoxy inside & outside					
	17.44.1.3	IS: 15905	581.45	each	12	6,977.40	
	1/11/11/10		201112	cucii	12	0,777110	
1.22	17.56	Providing and fixing terminal guard:					
	17.56.1	100 mm					
		Hubless centrifugally cast (spun) iron pipe epoxy inside & outside					
	17.56.1.3	IS: 15905	427.80	each	6	2,566.80	
1.23		Providing and fixing shielded coupling for Hubless centrifugally cast					
1.25	17.57A	iron pipes					
	17.57A.1	100 mm					
		S S 304 grade coupling with EPDM rubber gasket				60.000.40	
	17.57A.1.1		432.05	each	162	69,992.10	
		Desilier of fried MC stars and share for an loss of					
1.24	17.59	Providing and fixing M.S. stays and clamps for sand cast iron/centrifugally cast (spun) iron pipes of diameter :					
	17.59.1	100 mm	139.70	each	6	838.20	
	17.39.1		157.70	cacii	0	050.20	
		Painting sand cast iron/ centrifugally cast (spun) iron soil, waste vent					
		pipes and fittings with two coats of synthetic enamel paint of any					
1.25		colour such as chocolate grey, or buff etc. over a coat of primer (of					
	17.65	approved quality) for new work :					
	17.65.1	100 mm diameter pipe	82.80	meter	60	4,968.00	
		Providing and fixing M.S. holder-bat clamps of approved design to					
		Sand Cast iron/cast iron (spun) pipe embedded in and including					
1.26		cement concrete blocks 10x10x10cm of 1:2:4 mix (1 cement : 2					
		coarse sand : 4 graded stone aggregate 20mm nominal size) including cost of cutting holes and making good the walls etc. :					
		cost of cutting notes and making good the wans etc. :					
	17.37		2/2.05		30	10.005.50	
	1/.3/.1	100 mm diameter pipe	362.85	each	50	10,885.50	
<u> </u>		Providing and fixing G.I. soil / waste pipes complete with G.I. fittings					
1.27	18.10	and clamps, i/c cutting and making good the walls etc.					
	18.10.4	32 mm dia. nominal bore	667.00	metre	25	16,675.00	
	18.10.5	40 mm dia. nominal bore	811.90	metre	15	12,178.50	
	18.10.6	50 mm dia. nominal bore	1,048.35	metre	10	10,483.50	
						.,	
		Providing and fixing trap of self cleansing design with screwed down					
1.28		or hinged grating with or without vent arm complete, including cost					
L	17.60	of cutting and making good the walls and floors :					
	17.60.1	100 mm inlet and 100 mm outlet					
		Hubless centrifugally cast (spun) iron epoxy					
	17.60.1.3	coated inside & outside as per IS:15905	854.55	each	10	8,545.50	
		Cutting holes up to 15 x 15 cm in R.C.C. floors and roofs for passing					
1.20		drain pipe etc. and repairing the hole after insertion of drain pipe etc. with cement concrete 1:2:4 (1 Cement : 2 course sand : 4 graded					
1.29		stone aggregate 20 mm nominal size), including finishing complete					
	18.77	so as to make it leak proof.	452.00	each	10	4,520.00	
I	10.//		TJ2.00	CaUII	10	ч,520.00	

	DSR '23				Qty	Amo	ount
		Providing & fixing in position GI 100x50 elbow floor drain					
1.30	N/07 /	including cost of cutting and making good the walls and floors					
	NSI-4	wherever required.	1,541.00	each	10		15,410.00
		Description of finite 125 and the O/O section (with an avid set					
1.31	NSI-5	Providing and fixing 125 mm dia S/S grating (with or without hole)for floor or Nahani trap.	(20.00		20		12 400 00
	1151-5	note)for noor or ivanani trap.	620.00	each	20		12,400.00
		Providing and fixing soap dish holder from wall of standard shape					
1.32		with fittings of approved quality with all complete. Make Jaquar -					
1.02	NSI-6	ACN-1131N & Equivalent	1,159.00	each	0		-
		Å	-,				
		Providing and fixing soap dispenser with glass bottle from wall of standard					
1.33	NOL 7	shape with fittings of approved quality with all complete. Make Jaquar - ACN-					
	NSI-7	1135N & Equivalent	2,095.00	each			-
		Providing & fixing 600 mm towel rail long stanless steel from wall face with					
1.34		concealed fittings arrangement of approved quality with all complete. Make					
	NSI-8	Jaquar - CAN-1111SM	2,025.00	each	4		8,100.00
		Providing and fixing PTMT soap Dish Holder having length of					
1.35	10.75	138mm, breadth 102mm, height of 75mm with concealed fitting					
	18.65	arrangements, weighing not less than 106 gms.	111.45	each	9	1,003.05	
		Providing and fixing PTMT towel rail complete with brackets fixed					
136		to wooden cleats with CP brass screws with concealed fittings					
150	17.73	arrangement of approved quality and colour.					
	1.1.0	600 mm long towel rail with total length of 645 mm, width 78 mm					
		and effective height of 88 mm, weighing not less than 190 gms.					
	17.73.2		708.95	each	0	-	
		Making khurras 45x45 cm with average minimum thickness of 5 cm					
		cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone					
		aggregate of 20 mm nominal size) over P.V.C. sheet 1 m x1 m x 400					
1.37		micron, finished with 12 mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the edges and making and					
		finishing the outlet complete.					
	12.22		298.25	each	4	1,193.00	
	12,22		298.23	cacii	4	1,195.00	
		Providing and fixing on wall face unplasticised Rigid PVC rain water					
		pipes conforming to IS : 13592 Type A, including jointing with seal					
		ring conforming to IS : 5382, leaving 10 mm gap for thermal					
1.38		expansion,					
		(i) Single socketed pipes.					
	12.41.2	110 mm diameter	377.40	metre	60	22,644.00	
		Providing and fixing on wall face unplasticised - PVC moulded					
		fittings/ accessories for unplasticised Rigid PVC rain water pipes					
1.39		conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion.					
	12.42	contorning to 15 : 5562, leaving to min gap for merinal expansion.					
\vdash	12.42	Coupler					
	12.42.1.2	110 mm	136.15	each	10	1.361.50	
	12.42.3	Single tee with door				,	
	12.42.3.2	110x110x110 mm	234.15	each	5	1,170.75	
	12.42.5	Bend 87.5°					
	12.42.5.2	110 mm	150.35	each	5	751.75	
	12.42.6	Shoe (Plain)					
	12.42.6.2	110 mm Shoe	131.85	each	5	659.25	

	DSR '23			[Qty	Amo	unt
1.40		Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50 mm hard wood plugs, screwed with M.S. screws of required length, including cutting brick work and fixing in cement mortar 1:4 (1					
	12.43	cement : 4 coarse sand) and making good the wall etc. complete.					
	12.43.2	110 mm	371.30	each	5	1,856.50	
1.41	NSI-9	Supplying and fixing of HDPE pipe (PE grade 63 - PN-8) confirming to IS 14333-1996 chemical waste pipes jointed with rubber ring with good quality lubricant with fittings inclussive of all necessary specials like bends, tees, offsetsjunctions etc laid under floor/under ceiling/on walls with suitable clamps and specials curing, necessary chasing, jointing and restoring to original conditions, testing etc. including all other incidental charges etc. complete for successful completion of work as per specifications, and as directed by Engineer -in- Charge.					
	a)	110 mm outer dia	1,543.00	metre	10		15,430.00
	b)	50 mm outer dia	558.00	metre	6		3,348.00
1.42		Providing & fixing in position upvc P"or S" trap of self cleaning design of following sizes for the embedded areas Making proper connection with chemical sealent joint, cutting chase / hole in floors /slabs and bringing the same in proper condition in cement concrete 1:2:4 mix complete as required. including cost of cutting and making good the walls and floors wherever required.					
	NSI-10		627.00	each	2		1,254.00
1.43	NSI-11	Providing & Fixing water cooler wth stainless steel having storage capacity of 80 liter & cooling capacity 60 liter / hour with Reverse osmosis system & ultra voilet membrane TDS reduction 90% having automatic back wash system with filteration unit & all other required accessories complete in all respect as per direction of the engineer in charge.	65,604.00	each	0		_
		TOTAL				552.877.70	173,595.00
		Sub Head – II Water Supply					
2.1	18.10	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc.					
		Internal work – Exposed on wall.					
	18.10.2	20 mm nominal outer dia Pipes	437.30	metre	40	17,492.00	
	18.10.3 18.10.4	25 mm nominal outer dia Pipes	551.70 667.00	metre	40	22,068.00 10,005.00	
	18.10.4	32 mm nominal outer dia Pipes 40 mm nominal outer dia Pipes	667.00 811.90	metre	15	8,119.00	
	18.10.6	50 mm nominal outer dia Pipes	1,048.35	metre	10	10,483.50	
	NSI-12a	65 mm nominal outer dia Pipes	1,084.00	metre	0	.,	-
	NSI-12b	80 mm nominal outer dia Pipes	1,276.00	metre	0		-
2.2		Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge.					
	18.8		`				
		Concealed including cutting chases and making good the wall etc.					
	18.8.2	15 mm nominal outer dia Pipes	537.60	metre	28	14,784.00	
	18.8.3	20 mm nominal outer dia Pipes	627.25	metre	28	17,249.38	

	DSR '23				Qty	Amo	unt
	18.8.4	25 mm nominal outer dia Pipes	739.30	metre	22	16,264.60	
		·					
2.3		Providing and fixing gun metal gate valve with C.I. wheel of					
2.3	18.17	approved quality (screwed end) :					
	18.17.1A	20 mm dia. nominal bore	539.95	each	2	1,079.90	
	18.17.1	25 mm dia. nominal bore	622.40	each	6	3,734.40	
	18.17.2	32 mm dia. nominal bore	689.60	each	2	1,379.20	
	18.17.3	40 mm dia. nominal bore	826.10	each	2	1,652.20	
	18.17.4	50 mm dia. nominal bore	1,026.65	each	2	2,053.30	
2.4		Providing and fixing ball valve (brass) of approved quality, High or					
2.4	18.18	low pressure, with plastic floats complete :					
	18.18.3	25 mm nominal bore	464.05	each	2	928.10	
		Providing and fixing hand held ablution fitting (health faucet) with					
2.5		1.2 meter long flexible tube and wall hook, all complete approved					
	NSI-13	engineer-in-charge	2,373.00	each	9		21,357.00
		Supply and fixing of 15mm CP brass 2 -Way Bib Cock with wall					
2.6		flange and suitable length CP brass extension pipe all of approved					
	NSI-14	engineer-in-charge	2,654.00	each	9		23,886.00
		Providing and placing on terrace (at all floor levels) polyethylene					
		water storage tank, IS: 12701 marked, with cover and suitable					
2.7		locking arrangement and making necessary holes for inlet, outlet and					
		overflow pipes but without fittings and the base support for tank					
	18.48		11.00	per litre	2,500	27,500.00	
				· ·		()	
		Providing and fixing C.P. brass long nose bib cock of approved					
2.8		quality conforming to IS standards and weighing not less than 810					
	18.51	gms.					
	18.51.1	15 mm nominal bore	796.95	each	6	4,781.70	
						.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
		Providing and fixing C.P. brass stop cock (concealed) of standard					
2.9	18.52	design and of approved make conforming to IS:8931.					
	18.52.1	15 mm nominal bore	670.45	each	0	-	
	1010211		070.45	cuen	0		
		Providing and fixing C.P. brass angle valve for basin mixer and					
2.10	18.53	geyser points of approved quality conforming to IS:8931					
	18.53.1	15mm nominal bore	574.30	each	6	3,445.80	
					-	2,112100	
		Providing and fixing uplasticised PVC connection pipe with brass					
2.11	18.21	unions :					
	18.21.2	45 cm length					
	18.21.2.1	15 mm nominal bore	97.75	each	6	586.50	
	10.21.2.1		21.15	cuen		500.50	
		Providing and fixing C.P. brass shower rose with 15 or 20 mm inlet :					
2.12	18.22	To viding and fixing C.I. brass shower lose with 15 of 20 fillin filler.					
	18.22.2	150 mm diameter	222.35	each	0	-	
	10.22.2		222.33	cacii	0	-	
		Providing and fixing CP Brass Single lever telephonic wall mixer of					
2.13	17.22B	quality & make as approved by Engineer in charge.					
	17,220	(a) 15 mm nominal dia	6,940.75	each	0		
			0,740.73	cacii	0	-	
		Providing, Fixing, testing and commissioning of CP Brass 150 mm x 150 mm					
		Shower head with wall flange with all accessories as required and making					
2.14		good the walls wherever required. (MAKE-JAQUAR -Model No- OHS-					
	NSI-15	35495 or EQUIVALENT.)	4,875.00	each	0		
					-		

	DSR '23	1			Qty	Amo	ount
		Supply ,Erection , Testing & Commissioning of Automatic water					
		level control panel & related accessories for pumping automation					
2.15		with consisting of automatic water level controller, level sensor with					
		stainless steel probe, motorized butterfly valve, motorized valve controller with complete in all respect.					
	NSI-16		26.047.00	1			26.047.00
	а	upto 50 mm dia. nominal bore TOTAL	26,947.00	each	1	163,606.58	26,947.00 72,190.00
		IOTAL				105,000.58	/2,190.00
		SUBHEAD – III Drainage					
		Supply and fixing HDPE double wall corrugated (DWC) I.S 16098					
		(Part - 2) 3013 for soil / waste pipe under ground drainage system					
		with jointed with rubber ring with good quality lubricant for fittings,					
3.1		inclusive of all necessary specials like bends, tees, offsets, junctions,					
		re excavtion and refillig etc complete.					
	NSI-17						
	a	150 mm diameter	1,024.00	metre	12		12,288.00
	b	200 mm diameter	1,298.00	metre	0		-
		Providing and fiving square mouth S.W. gully tree along CD 1					
		Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight					
3.2		C.I. cover with frame of 300 x300 mm size (inside) the weight of					
5.2		cover to be not less than 4.50 kg and frame to be not less than 2.70 kg					
	19.4	as per standard design :					
	19.4.3	180x150 mm size P type					
		With fly ash bricks (non modular) bricks of class designation 7.5					
	19.4.3.1		2,802.15	each	6	16,812.90	
		Providing and laying non-pressure NP2 class (light duty) R.C.C.					
3.3		pipes with collars jointed with stiff mixture of cement mortar in the					
		proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete :					
	19.6		226.42		10	5 5 6 4 5 0	
	19.6.2 19.6.3	150 mm dia. R.C.C. pipe 250 mm dia. R.C.C. pipe	556.45 899.80	metre	10	5,564.50	
	19.6.4	300 mm dia. R.C.C. pipe	994.30	metre metre		-	
	17.0.4	500 min dia. K.e.e. pipe	JJ4.50	meue			
		Constructing brick masonry manhole in cement mortar 1:4 (1 cement					
		:4 coarse sand) with RCC top slab with 1:2:4 mix (1 cement : 2					
		coarse sand : 4 stone aggregate 20 mm nominal size), foundation					
		concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 stone aggregate 40					
		mm nominal size) inside plastering 12 mm thick with cement					
3.4		mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of					
5.4		neat cement, foundation cocreate 1:3:6 mix (1 cement :3 coarse sand : 6 graded stone aggregate 40 mm norminal size),and making necessary					
		channel in cement concrete 1:2:4 (1 cement :2 coarse sand :4 graded					
		stone aggregate 20 mm norminal size) finished with a floating coat of					
		neat cement complete as per standard design .					
	19.7						
	13.1						
<u> </u>		inside size 90x80 cms and 45 cms deep including CI cover with					
		frame (light duty) 455x610 mm internal dimensions total weight of					
		cover & frame to be not less than 38 kg (weight of cover 23 kg &					
	19.7.1	weight of frame 15 kg)					
		with common brunt clay FPS (non modular) bricks of class					
	19.7.1.1	designation 7.5	12,770.55	Each	5.00	63,852.75	
	10.0						
3.5	19.8	Extra depth for manhole 90x80 cm					
	19.8.1.1	With FPS bricks class designation 7.5	8,825.40	Metre	1.00	8,825.40	
	17.0.1.1	with 115 blicks class designation 7.5	0,023.40	wietre	1.00	0,823.40	
		I					

	DSR '23				Qty	Amo	ount
3.6		Providing orange colour safety foot rest of minimum 6 mm thick plastic encapsulated as per IS : 10910, on 12 mm dia steel bar conforming to IS:1786, having minimum cross section as 23 mmx25 mm and over all minimum length 263 mm and width as 165 mm with minimum 112 mm space between protruded legs having 2 mm tread on top surface by ribbing or chequering esides necessary and adequate anchoring projections on tail length on 138 mm as per standard drawing and suitable to with stand the bend test and chemical resistance test as per pecifications and having manufacture's permanent identification mark to be visible even after fixing,including fixing in manholes with 30x20x15 cm cement concrete block 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) complete as per design.					
	19.16		553.70	Each	10.00	5,537.00	
3.7	19.27	Constructing brick masonry road gully chamber 50x45x60 cm with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) including 500x450 mm pre-cast R.C.C. horizontal grating with frame complete as per standard design :					
	19.27.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5 TOTAL	5,957.90	Each	10.00	59,579.00 160,171,55	12,288.00

ESTIMATE OF FOR CONSTRUCTION OF ADDITIONAL DORMITORY & STAFF QUARTERS AT JNV KUPWARA, JAMMU AND KASHMIR

ABSTRACT OF COST FOR ELECTRICAL WORKS school Building for 04 nos classroom & 04 Nos Laboratories including corridor & Toilets Blocks for bosy and girls (G+2)										
CI No.	0. Name of Work TOTAL AMOUNT(IN RS.)									
Sl.No.	Name of work	DSR-2022	MR							
Ι	SUB HEAD - I: CIRCUIT CUM POINT WIRING	280,325.00	95,085.55							
П	SUBHEAD -II - FITTINGS & FIXTURES	32,760.00	62,544.92							
III	SUBHEAD - III - DISTRIBUTION BOARDS	89,918.00	-							
V	SUBHEAD - V - LIGHTNING CONDUCTOR	30,926.00	24,082.88							
	TOTAL	433,929.00	181,713.35							
	Say in lacs 4.34 1.82									

		stimate for ELECTRICAL Works school Building for 04 nos classroom & 04 Nos Laboratories					sy anu giris	
S.No.	DSR-2022/NSI	Description	Unit	Qty	Ra		Amou	
					DSR-2022	NSI	DSR-2022	NSI
		SUB HEAD - I: CIRCUIT CUM POINT WIRING						
		SWITCH CONTROL LIGHT POINTS Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC						
1	DSR 1.10	insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with						
		modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC						
1.1	DSR 1.10.3	insulated copper conductor single core cable etc. as required. Group C	Point	50	1,467.00		73,350.00	
1.1	D5K 1.10.5		Tom	50	1,107.00		75,550.00	
		Wiring for group controlled (looped) light point/fan point/exhaust fan point/ call bell point (
		without Independent switch etc.) with 1.5 sq. mm FRLS PVC insulated copper conductor single						
2	DSR-1.55	core cable in surface/ recessed PVC conduit, and earthing the point with 1.5 sq. mm FRLS PVC						
		insulated copper conductor single core cable etc as required. (Switch Control Secondary						
		Points)	Point	12	858.00		10,296.00	
2.1	DSR-1.55.3	Group C						
		Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC						
		insulated copper conductor single core cable in surface / recessed steel conduit, with modular						
3	DSR-1.3	switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC						
		insulated copper conductor single core cable etc. as required. (Switch Control Primary Points)						
3.1	DSR-1.3.3	Group C	Point	1	1,845.00		1,845.00	
		Wiring for group controlled (looped) light point/fan point/exhaust fan point/ call bell point						
		(without Independent switch etc.) with 1.5 sq. mm FRLS PVC insulated copper conductor single						
4	DSR-1.54	core cable in surface/ recessed steel conduit, and earthing the point with 1.5 sq. mm FRLS PVC						
		insulated copper conductor single core cable etc as required. (Switch Control Secondary						
4.1	DCD 1 54.2	Points)	D	2	1,094.00		2 199 00	
4.1	DSR-1.54.3	Group C	Point	2	1,094.00		2,188.00	
		MCB CONTROL LIGHT POINTS						
		Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC						
		insulated copper conductor single core cable in surface / recessed FRLS PVC conduit, with						
5	NSI-1	modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS						
U		PVC insulated copper conductor single core cable etc. as required. (Switch Control Primary						
		Points)						
5.1	NSI-1.1	Primary point controlled by one MCB.	Point	2		1,523.13		3,046.
						, i i i i i i i i i i i i i i i i i i i		
<i>E</i> 2	NGL 1 2	Same as item above but Secondary point. i.e. Points to be looped with Primary point with 2.5						
5.2	NSI-1.2	sqmm wire and Point wiring	Point	2		1,354.89		2,709.
		Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single core						
6	DSR 1.12	cable in surface/						
U	D5K 1.12	recessed medium class PVC conduit alongwith 1 No. 4 sq. mm FRLS PVC insulated copper						
		conductor single core cable for loop earthing as required.	Metre	150	334.00		50,100.00	
		Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC						
7	DSR 1.14	insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as						
		required.					11 (20 00	
7.1	DSR 1.14.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	Metre	50	233.00		11,650.00	
7.2	DSR 1.14.2	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	Metre	180 50	275.00 439.00		49,500.00 21,950.00	
7.3	DSR 1.14.4 DSR 1.14.5	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	Metre Metre	50 10	439.00		5,700.00	
7.4	DSR 1.14.5 DSR 1.14.10	2×10 sq. mm + 1×10 sq.mm earth wire	Metre	10	1,005.00		10,050.00	
7.5	DSR 1.14.10 DSR 1.14.11	4 X 10 sq. mm + 2 X 6 sq. mm earth wire 4 X 16 sq. mm + 2 X 6 sq. mm earth wire	Metre	10	1,005.00		13,650.00	
/.0	DOK 1.14.11		wiene	10	1,505.00		15,050.00	
		Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in						
8	DSR 1.31	recess including providing and fixing 3 pin 5/6 Amp modular socket outlet and 5/6 A modular						
0	DON 1.01	switch, connection etc. as required.	Each	18	477.00		8,586.00	
		switch, connection etc. as required.	Laun	10	+//.00		0,500.00	

·								
9	NSI-2	Supply and Wiring for 250 volts single phase and neutral 2 Nos 6 amps socket outlate with control by 1 No switched with 2.5 sq.mm PVC insulated copper conductor 1100 volts grade stranded flexible FRLS wires in concealed or surface mounted 25 mm dia 2mm thick PVC conduit including providing and fixing of 6 amps 3 pin switch socket outlet of aproved make and design in 2 mm thick GI box with grid plate and earthing of third pin of the socket with 2.5 Sq. mm PVC insulated copper conductor stranded flexible FRLS wire.(maximum four no. of switches socket shall be connected on one circuit)		18		1,781.84		32,073.10
10	DSR 1.32	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.	Each	18	586.00		10,548.00	
11	NSI-3	Supplying and fixing 63 A, 415 V, TPN Industrial type socket outlet, with 4 pole and earth, metal enclosed plug top alongwith 63 A "C" curve, TPMCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket outlet and complete with connections, testing and commissioning etc. as required.		2		11,284.98		22,569.96
12	NSI-4	Supplying and fixing 80 A, 415 V, TPN Industrial type socket outlet, with 4 pole and earth, metal enclosed plug top alongwith 80 A "C" curve, TPMCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket outlet and complete with connections, testing and commissioning etc. as required.		2		17,343.23		34,686.46
13	DSR-1.33	Supplying and fixing 3 pin , 5 A ceiling rose on the existing junction box/ wooden block including						
	DOR 1.00	connections etc. as required.	Each	6	87.00		522.00	
14	DSR-1.57	Supplying & fixing suitable size GI box wih modular plate and cover in front on surface or in recess i/c providing and fixing 25 amp modular socket outlet and 25 Amps modular SP MCB, "C" curve including connection, painting etc. as required. (AC's & Gysers)	Each	6	727.00		4,362.00	
15	DSR 1.24	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box						
15	DSR 1.24	including connections but excluding modular plate etc. as required. Telephone socket outlet	Nos	6	148.00		888.00	
15.1	DSK 1.24.0		INOS	0	146.00		888.00	
16	DSR 1.27	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required.						
16.1	DSR 1.27.1	1 or 2 Module (75mmX75mm)	Nos Nos	2	298.00		596.00	
16.2	DSR 1.27.4	6 module (78mm X 205 mm X 50 mm)	NOS	2	402.00		804.00	
17	DSR 1.24	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required.						
17.1	DSR 1.24.4	3 pin , 5/6 amps socket outlet	Each	2	122.00		244.00	
17.1	DSR 1.24.1	5/6 amps switch	Each	2	103.00		206.00	
18	DSR 1.21	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.						
18.1	DSR 1.21.2	25 mm	Mtr	10	145.00		1,450.00	
18.2	DSR 1.21.3	32 mm	Mtr	10	184.00		1,840.00	
		TOTAL CARRIED TO SUMMARY FOR SUBHEAD - I					280,325.00	95,085.55
		SUBHEAD -II - FITTINGS & FIXTURES						
1	NSI-1	Supply, Installation, Testing and Commissioning of 10 W Bulk head Light.	Each	6		1,544.26		9,265.56
						-		.,
2	NSI-2	Supply, Installation, Testing and Commissioning of 5W Mirror Light.	Each	4		593.95		2,375.78
3	NSI-3	Supply, Installation, Testing and Commissioning of 18W Surface/Recessed Mounted LED circular Downlighter.	Each	12		1,960.02		23,520.27
4	NSI-4	Supply, Installation, Testing and Commissioning of 18/20W Wall/Surface mouted 4 ft. LED	Each	0		1,128.50		-
5	NSI-5	Supply, Installation, Testing and Commissioning of 15W Surface mounted LED Square Downlighter.	Each	6		1,781.84		10,691.03

6	NSI-6	Supply, Installation, Testing and Commissioning of 150 W CHANDELIER	Each	0		118,789.25		-
7	NSI-7	Supply, Installation, Testing and Commissioning of 12/9W Recessed mounted LED circular Downlighter.	Each	0		1,425.47		_
			Lacii	5				-
8	NSI-8	Supply, Installation, Testing and Commissioning of 9W (Nominal) Wall Bracket Light	Each	0		296.97		-
9	DSR-19.1	Supply, Installation, Testing and Commissioning of 1200 mm sweep, BEE 5 star rated, ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. blades, 30 cm long down rod, 2nos. canopies, shackle kit, safety rope, copper winding, Power Factor not less than 0.9, Service Value (CM/M/W) minimum 6.00, Air delivery minimum 210 Cum/Min , 350 RPM (tolerance as per IS : 374-2019),THD less than 10%, remote or electronic regulator unit for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 degree C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC Supply, earthing etc. complete as required.	Each	12	2,730.00		32,760.00	-
10	NSI-9	Supply Installation, Testing and Commissioning of 250 mm dia Domestic Exhaust Fan	Each	6		2,782.04		16,692.27
		TOTAL CARRIED TO SUMMARY FOR SUBHEAD - II					32,760.00	62,544.92
							,	- /
		SUBHEAD - III - DISTRIBUTION BOARDS						
1	DSR 2.3	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)						
1.1	DSR 2.3.1	6 way, Double door	Each	0	2,206.00		-	
1.2	DSR 2.3.2 DSR 2.3.3	8 way, Double door 12 way, Double door	Each Each	2	2,573.00 2,315.00		- 4,630.00	
2	DSR 2.4	Supplying and fixing following way, three pole and neutral, sheet steel, MCB distribution board, 415 volts, on surface/ recess complete with tinned copper busbar, neutral busbar, earth bar, din bar, detachable gland plate, interconnections, phosphatized and powder painted including earthing etc. as required. (But without MCB/ RCCB/ Isolator)						
2.1	DSR 2.4.1	4 way (4 + 12), Double door	Each	0	4,091.00		-	
2.2	DSR 2.4.2	6 way (4+18), Double door	Each	0	4,974.00		-	
2.3	DSR 2.4.3	8 way (4 + 24), Double door	Each	2	5,967.00		11,934.00	
3	DSR 2.5	Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 V, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 A tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCBs (but without MCBs and incomer) as required. (Note :Vertical type MCB TPDB is normally used where 3 phase outlets are required.)						
3.1	DSR 2.5.3	12 way (4 + 36), Double door	Each	2	12,833.00		25,666.00	
4	DSR 2.10	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.						
4.1	2.10.1	Single Pole	Each	112	256.00		28,672.00	
4.2	2.10.2	Single Pole Neutral	Each	0	599.00		-	
5	DSR 2.12	Supplying and fixing following rating, double pole, 240 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.						
5.1	DSR 2.12.1	40 A	Each	2	435.00		870.00	
5.2	DSR 2.12.2	63 A	Each	0	527.00		-	
6	DSR 2.13	Supplying and fixing following rating, four pole, 415 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.						
6.1	DSR 2.13.1	40 A	Each	1	970.00		970.00	
6.2	DSR 2.13.2	63 A	Each	1	1,034.00		1,034.00	

I T		TOTAL CARRIED TO SUMMARY SHEET FOR SUBHEAD V					30,926.00	24,082.88
			1103.	1		21,002.00		21,002.00
8	NSI-1	Supply of Lightnig counter - LCD screen shows the number of lightning strikes, hour and date of lightning events Buttons enable TIME/DATE setting and log viewing. Replaceable battery, working life minimum five years, meet the requirements for IS/IEC 62305 and IEC 62561-2. Tested for Electrical .Mcchanical and Chemical as per IEC 62561.	Nos.	1		24.082.88		24,082.88
7	DSR 6.14	Providing and laying G.I. tape 32 mm X 6 mm from earth electrode directly in ground as required.	Metre	20	195.00		3,900.00	
6	DSR 6.12	Providing and fixing testing joint, made of 20 mm X 3 mm thick G.I. strip, 125 mm long, with 4 nos. of G.I. bolts, nuts, chuck nuts and spring washers etc. complete as required.	Each	5	121.00		605.00	
5	DSR 6.8	Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For vertical run)	Metre	20	197.00		3,940.00	
4	DSR 6.7	Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For horizontal run)	Metre	60	126.00		7,560.00	
3	DSR 6.4	Jointing copper / G.I. tape (with another copper/ G I tape, base of the finial or any other metallic object) by riveting / nut bolting/ sweating and soldering etc as required.	Each	5	113.00		565.00	
2	DSR 6.2	Providing and fixing of lightning conductor finial, made of 25 mm dia 300 mm long, G.I. tube, having single prong at top, with 85 mm dia 6 mm thick G.I. base plate including holes etc. complete as required.	Each	1	518.00		518.00	
1	DSR 5.6	Earthing with Cu. earth Plate 600mm x 600mm x 3mm thick including accesssories, and providing masonary enclosure with cover plate (CI heavy duty) having locking arrangement and watering pipe of 2.7 mtr long etc. with charcoal or coke and salt) as required.		1	13,838.00		13,838.00	
		TOTAL CARRIED TO SUMMARY FOR SUBHEAD - III SUBHEAD - V - LIGHTNING CONDUCTOR					89,918.00	-
8	DSR 2.11	Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as required.	Each	10	13.00		130.00	
7.3	DSR 2.14.3	63 A	Each	2	2,722.00		5,444.00	
7.2	DSR 2.14.2	40 A	Each	4	2,642.00		10,568.00	
7.1	DSR 2.14.1	complete with connections, testing and commissioning etc. as required. 25 A	Each	0	2,028.00		-	
7	DSR 2.14	Supplying and fixing following rating, double pole, (single phase and neutral), 240 V, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB						

ESTIMATE OF FOR CONSTRUCTION OF ADDITIONAL DORMITORY & STAFF QUARTERS AT JNV KUPWARA, JAMMU AND KASHMIR

SUMMARY OF CIVIL WORK GIRLS DORMITORY 0.25 Unit (48 bedded) Block-A

S. No.	DSR Item / Chapter no.	Description	DSR-Amount (Rs.)	NDSR-Amount (Rs.)
1	4	CONCRETE WORK	29,972.00	
2	5	REINFORCED CEMENT CONCRETE	28,348.80	
3	6	BRICK WORK	24,652.15	
4		MARBLE WORK	38,521.70	
5	9	WOOD WORK & PVC WORK	89,518.50	
6	10	STEEL WORK	80,867.75	
7	12	ROOFING	224,670.00	
8	13	FINISHING	250,487.00	-

Total Say in Lacs 767,037.90 7.67

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ESTIMATE OF FOR CONSTRUCTION OF ADDITIONAL DORMITORY & STAFF QUARTERS AT JNV KUPWARA,

COST ESTIMATE OF GIRLS DORMITORY

S. No.	Ref. No	Description	Unit	Quantity	DSR 23 Rate	DSR-Amount (Rs.)	NDSR-Amount (Rs.)
1.0	2	EARTH WORK					
1.01	2.8	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.					
a)	2.8.1	All kinds of soil	Cum	920.00	166.40	153,088.00	
1.02	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	Cum	1366.00	125.75	171,774.50	
1.03	2.27	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	Cum	150.40	917.75	- 138,029.60	
1.04	2.34	Supplying chemical emulsion in sealed containers including delivery as specified.					
a)	2.34.1	Chlorpyriphos/ Lindane emulsifiable concentrate of 20%	litre	285.30	185.95	-	
1.05	2.35 2.35.3	Diluting and injecting chemical emulsion for POST- CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion) : Treatment of soil under existing floors using chemical emulsion @					
		one litre per hole, 300 mm apart including drilling 12 mm diameter holes and plugging with cement mortar 1 :2 (1 cement : 2 Coarse sand) to match the existing floor:					
a)	2.35.3.1	With Chlorpyriphos/Lindane E.C. 20% with 1% concentration	Sqm	285.30	131.90	-	
1.04 a)	16.3 16.3.9	Supplying and stacking at site. Good earth	Cum	814.00	332.55	270,695.70	
		Total of sub-head			l l	733,587.80	
1.0	4	CONCRETE WORK					
1.01	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :					
a)	4.1.10	1:5:10 (1 Cement : 5 coarse sand (zone-III) : 10 graded stone aggregate 40 mm nominal size)	Cum	0.00	5520.30	-	
1.01	4.2	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing :					
a)	4.2.3	1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	Cum	0.69	9895.20		
1.02	4.10	Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-III): 4 graded stone aggregate 12.5mm nominal size)	Sqm	0.00	614.05	-	
1.03	4.12	Extra for providing and mixing water proofing material in cement concrete work in doses by weight of cement as per manufacturer's specification.	Per 50Kg Cement	0.00	56.55	-	
1.04	4.13	Providing & applying a coat of residual petroleum bitumen of grade of VG-10 of approved quality using 1.7kg per square metre on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil.					
			Sqm	0.00	110.00	-	

1.02	4.17	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including necessary excavation, levelling & dressing & finishing the top smooth.	Sqm	40.00	749.30	29,972.00
		Total of sub-head	- 1			29,972.00
2.0	5	REINFORCED CEMENT CONCRETE				27,772.00
2.01	5.9	Centering and shuttering including strutting, propping etc. and removal of form for all heights:				
a) b)	5.9.1 5.9.2	Foundations, footings, bases of columns, etc. for mass concrete Walls (any thickness) including attached pilasters, butteresses, plinth and string courses etc	Sqm Sqm	0.00	284.85 609.30	-
c)	5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts	Sqm	0.00	733.70	-
d)	5.9.15	Small lintels not exceeding 1.5 m clear span, moulding as in cornices, window sills, string courses, bands, copings, bed plates, anchor blocks and the like	Sqm		284.85	-
e)	5.9.16	Edges of slabs and breaks in floors and walls	-	0.00		
f) a)	5.9.16.1 5.9.3	Under 20 cms wide Suspended floors, roofs, landings, balconies and access platform.	metre	0.00	173.25	-
b)	5.9.21		Sqm	10.00	927.25	
0)	5.9.21	Lintels, beams, plinth beams, girders, bressumers and cantilevers. with water proof ply 12 mm thick	Sqm	0.00	641.60	-
2.02	5.18	Providing precast cement concrete Jali 1:2:4 (1 cement : 2 coarse sand(zone-III) : 4 graded stone aggregate 6mm nominal size), reinforced with 1.6 mm dia mild steel wire, including centering and shuttering, roughening cleaning, fixing and finishing with cement mortar 1:3 (1 cement: 3 fine sand) etc. complete, excluding plastering of the jambs, sills and soffits.				-
a)	5.18.1	50 mm thick	Sqm	0.00	1474.05	-
2.03	5.22	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.				-
a)	5.22.6	Thermo-Mechanically Treated bars of grade Fe-500D or more.	kilogram		83.50	-
2.02	5.22A	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.				
a)	5.22A.6	Thermo-Mechanically Treated bars of grade Fe-500 D or more.	kilogram	80.00	107.85	8,628.00
2.04	5.29	Providing and fixing sheet covering over expansion joints with iron screws as per design.				
i) a)	5.29.2 5.29.2.2	Aluminium fluted strips 3.15 mm thick. 200 mm wide	Metre	0.00	654.95	-
2.05	5.30	Add for plaster drip course/ groove in plastered surface or moulding to R.C.C. projections.	metre		58.90	-
2.03	5.33	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge."(Note : Cement content considered in this item is @ 330 kg/cum."Excess/less cement used as per design mix is payable/recoverable separately).				
(i) (ii)	5.33.1 5.33.2	All works upto plinth level All works above plinth level upto floor V level	Cum Cum	0.00 2.00	7997.30 9860.40	19,720.80
2.04	5.35	Add for using extra cement in the items of design mix over and above the specified cement content therein.	Quintal	0.00	688.45	
		Total of sub-head			-	28,348.80
3.0	6	BRICK WORK				
3.01	6.1	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:				
a)	6.1.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	0.00	6157.45	-

3.01	6.4	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :				
a)	6.4.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	2.00	9105.95	- 18,211.90
3.02	6.13	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.				-
a)	6.13.2	Cement mortar 1:4 (1 cement :4 coarse sand)	Sqm	5.00	1123.80	5,619.00
3.03	6.15	Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry.	Sqm	5.00	104.80	524.00
3.04	6.44	Brick edging 7cm wide 11.4 cm deep to plinth protection with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 including grouting with cement mortar 1:4 (1 cement : 4 fine sand).	Metre	5.00	59.45	297.25
		Total of sub-head			-	24,652.15
4.0	8	MARBLE WORK				
4.01	8.2	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels.				
a)	8.2.1	Raj Nagar Plain white marble/ Udaipur green marble/ Zebra black marble				
(i)	8.2.1.2	Area of slab over 0.50 sqm	Sqm	3.00	3078.40	9,235.20
b) i)	8.2.2 8.2.2.2	Granite of any colour and shade Area of slab over 0.50 sqm	sqm	3.00	5136.30	15,408.90
4.02	8.3	Providing edge moulding to 18 mm thick marble stone counters, Vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge.				
a) b)	8.3.1 8.3.2	Marble work Granite work	Metre Metre	10.00 0.00	298.60 418.85	2,986.00
4.03	8.4	Extra for fixing marble /granite stone, over and above corresponding basic item, in facia and drops of width upto 150 mm with epoxy resin based adhesive, including cleaning etc. complete.	Metre	13.00	568,55	7,391.15
4.04	8.5	Extra for providing opening of required size & shape for wash basin/ kitchen sink in kitchen platform, vanity counter and similar location in marble/ Granite/ stone work, including necessary holes for pillar taps etc. including moulding, rubbing and polishing of cut edges etc. complete.	Each	1.00	978.70	_
4.05	8.10	Providing and fixing stone slab with table rubbed, edges rounded and polished, of size 75x50 cm deep and 1.8 cm thick, fixed in urinal partitions by cutting a chase of appropriate width with chase cutter and embedding the stone in the chase with epoxy grout or with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 6 mm nominal size) as per direction of Engineer-in-charge and finished smooth.				
a)	8.10.1	White Agaria Marble Stone Total of sub-head	Sqm	1.00	3500.45	3,500.45 38,521.70
5.0	9	WOOD WORK & PVC WORK				
5.01	9.1	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately).				
a)	9.1.1	Second class teak wood	Cum	0.00	130183.05	-

5.01	9.12	Extra for providing frosted glass panes 4 mm thick instead of ordinary float glass panes 4 mm thick in doors, windows and clerestory window shutters. (Area of opening for glass panes excluding portion inside rebate shall be measured).	Sqm	7.00	176.40	1,234.80
5.02	9.20	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters.				<u>-</u>
a)	9.20.3	25 mm thick (for cupboard) including ISI marked nickel plated bright finished M.S. Piano hinges IS : 3818 marked with necessary screws	Sqm	0.00	2464.70	-
5.02	9.21	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters:				-
a)	9.21.1	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	Sqm	7.00	2392.65	16,748.55
5.03	9.23	Extra for providing lipping with 2nd class teak wood battens 25 mm minimum depth on all edges of flush door shutters (over all area of door shutter to be measured).	Sqm	7.00	462.35	3,236.45
5.04	9.26	Extra for cutting rebate in flush door shutters (Total area of the shutter to be measured).	Sqm	7.00	106.70	746.90
5.05	9.27	Providing and fixing wire gauge shutters using galvanized M.S. wire gauge of average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm, for doors, windows and clerestory windows with hinges and necessary screws :				
i) a)	9.27.1 9.27.1.1.2	35 mm thick shutters Kiln seasoned and chemically treated hollock wood	Sqm	7.00	3,599.20	25,194.40
5.06	9.46	Providing and fixing curtain rods of 1.25 mm thick chromium plated brass plate, with two chromium plated brass brackets fixed with C.P. brass screws and wooden plugs, etc., wherever necessary complete :				
a)	9.46.2	20 mm dia	Metre	0.00	375.25	-
a) 5.07	9.48	20 mm dia Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete.	Metre			-
5.07 a)	9.48 9.48.1	20 mm dia Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to steel windows by welding	Metre Kg	0.00 80.00	375.25 219.10	- 17,528.00
5.07	9.48	20 mm dia Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete.				- 17,528.00
5.07 a)	9.48 9.48.1	20 mm dia Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to steel windows by welding Providing and fixing fly proof galvanized M.S. wire gauge to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm				- 17,528.00 12,209.60
5.07 a) 5.08 a) 5.09	9.489.48.19.519.51.29.59	 20 mm dia Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to steel windows by welding Providing and fixing fly proof galvanized M.S. wire gauge to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm all complete. With 12 mm mild steel U beading Providing and fixing ISI marked oxidised M.S. single acting spring hinges with necessary screws etc. complete : 	Kg Sqm	80.00	219.10 939.20	12,209.60
5.07 a) 5.08 a) 5.09 a)	 9.48 9.48.1 9.51 9.51.2 9.59 9.59.1 	20 mm dia Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to steel windows by welding Providing and fixing fly proof galvanized M.S. wire gauge to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm all complete. With 12 mm mild steel U beading Providing and fixing ISI marked oxidised M.S. single acting spring hinges with necessary screws etc. complete : 150 mm	Kg	80.00	219.10	
 5.07 a) 5.08 a) 5.09 a) 5.10 	 9.48 9.48.1 9.51 9.51.2 9.59 9.59.1 9.63 	 20 mm dia Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to steel windows by welding Providing and fixing fly proof galvanized M.S. wire gauge to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm all complete. With 12 mm mild steel U beading Providing and fixing ISI marked oxidised M.S. single acting spring hinges with necessary screws etc. complete : 150 mm Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete : 	Kg Sqm Each	80.00 13.00 6.00	219.10 939.20 291.35	12,209.60 1,748.10
 5.07 a) 5.08 a) 5.09 a) 5.10 a) 	 9.48 9.48.1 9.51 9.51.2 9.59 9.59.1 9.63 9.63.3 	20 mm dia Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to steel windows by welding Providing and fixing fly proof galvanized M.S. wire gauge to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm all complete. With 12 mm mild steel U beading Providing and fixing ISI marked oxidised M.S. single acting spring hinges with necessary screws etc. complete : 150 mm Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete : 150x10 mm	Kg Sqm	80.00	219.10 939.20	12,209.60
 5.07 a) 5.08 a) 5.09 a) 5.10 a) 5.11 	 9.48 9.48.1 9.51 9.51.2 9.59 9.59.1 9.63 9.63.3 9.66 	 20 mm dia Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to steel windows by welding Providing and fixing fly proof galvanized M.S. wire gauge to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm all complete. With 12 mm mild steel U beading Providing and fixing ISI marked oxidised M.S. single acting spring hinges with necessary screws etc. complete : 150 mm Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete : 150x10 mm Providing and fixing ISI marked oxidised M.S. handles conforming to IS:4992 with necessary screws etc. complete : 	Kg Sqm Each Each	80.0013.006.0020.00	219.10 939.20 291.35 59.45	12,209.60 1,748.10 1,189.00
 5.07 a) 5.08 a) 5.09 a) 5.10 a) 5.11 a) 	 9.48 9.48.1 9.51 9.51.2 9.59 9.59.1 9.63 9.63.3 9.66 9.66.2 	 20 mm dia Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to steel windows by welding Providing and fixing fly proof galvanized M.S. wire gauge to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm all complete. With 12 mm mild steel U beading Providing and fixing ISI marked oxidised M.S. single acting spring hinges with necessary screws etc. complete : 150 mm Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete : 150x10 mm Providing and fixing ISI marked oxidised M.S. handles conforming to IS:4992 with necessary screws etc. complete : 100 mm 	Kg Sqm Each	80.00 13.00 6.00	219.10 939.20 291.35	12,209.60 1,748.10
 5.07 a) 5.08 a) 5.09 a) 5.10 a) 5.11 	 9.48 9.48.1 9.51 9.51.2 9.59 9.59.1 9.63 9.63.3 9.66 	 20 mm dia Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to steel windows by welding Providing and fixing fly proof galvanized M.S. wire gauge to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm all complete. With 12 mm mild steel U beading Providing and fixing ISI marked oxidised M.S. single acting spring hinges with necessary screws etc. complete : 150 mm Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete : 150x10 mm Providing and fixing ISI marked oxidised M.S. handles conforming to IS:4992 with necessary screws etc. complete : 	Kg Sqm Each Each	80.0013.006.0020.00	219.10 939.20 291.35 59.45	12,209.60 1,748.10 1,189.00
 5.07 a) 5.08 a) 5.09 a) 5.10 a) 5.11 a) 5.12 	 9.48 9.48.1 9.51 9.51.2 9.59 9.59.1 9.63 9.63.3 9.66 9.66.2 9.67 	 20 mm dia Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to steel windows by welding Providing and fixing fly proof galvanized M.S. wire gauge to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm all complete. With 12 mm mild steel U beading Providing and fixing ISI marked oxidised M.S. single acting spring hinges with necessary screws etc. complete : 150 mm Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete : 150x10 mm Providing and fixing ISI marked oxidised M.S. handles conforming to IS:4992 with necessary screws etc. complete : 100 mm Providing and fixing oxidised M.S. hasp and staple (safety type) conforming to IS : 363 with necessary screws etc. complete : 90 mm Providing and fixing oxidised M.S. casement stays (straight peg type) 	Kg Sqm Each Each Each	 80.00 13.00 6.00 20.00 20.00 	 219.10 939.20 291.35 59.45 32.55 	12,209.60 1,748.10 1,189.00
5.07 a) 5.08 a) 5.09 a) 5.10 a) 5.11 a) 5.12 a)	 9.48 9.48.1 9.51 9.51.2 9.59 9.59.1 9.63 9.63.3 9.66 9.66.2 9.67 9.67.3 	 20 mm dia Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to steel windows by welding Providing and fixing fly proof galvanized M.S. wire gauge to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm all complete. With 12 mm mild steel U beading Providing and fixing ISI marked oxidised M.S. single acting spring hinges with necessary screws etc. complete : 150 mm Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete : 150x10 mm Providing and fixing ISI marked oxidised M.S. handles conforming to IS:4992 with necessary screws etc. complete : 100 mm Providing and fixing oxidised M.S. hasp and staple (safety type) conforming to IS : 363 with necessary screws etc. complete : 90 mm 	Kg Sqm Each Each Each	 80.00 13.00 6.00 20.00 20.00 	 219.10 939.20 291.35 59.45 32.55 	12,209.60 1,748.10 1,189.00
 5.07 a) 5.08 a) 5.09 a) 5.10 a) 5.11 a) 5.12 a) 5.12 	9.48 9.48.1 9.51 9.51.2 9.59 9.59.1 9.63 9.63.3 9.66 9.66.2 9.67 9.67.3 9.68	 20 mm dia Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to steel windows by welding Providing and fixing fly proof galvanized M.S. wire gauge to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm all complete. With 12 mm mild steel U beading Providing and fixing ISI marked oxidised M.S. single acting spring hinges with necessary screws etc. complete : 150 mm Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete : 150x10 mm Providing and fixing ISI marked oxidised M.S. handles conforming to IS:4992 with necessary screws etc. complete : 100 mm Providing and fixing oxidised M.S. hasp and staple (safety type) conforming to IS : 363 with necessary screws etc. complete : 90 mm Providing and fixing oxidised M.S. casement stays (straight peg type) with necessary screws etc. complete. 	Kg Sqm Each Each Each	 80.00 13.00 6.00 20.00 20.00 0.00 	 219.10 939.20 291.35 59.45 32.55 21.70 	12,209.60 1,748.10 1,189.00 651.00

5.13	9.96	Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete :			
a)	9.96.1	300x16 mm	Each	5.00	303
b)	9.96.2	250x16 mm	Each	4.00	260
5.14	9.97	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :			
a)	9.97.2	250x10 mm	Each	5.00	115
b)	9.97.4	150x10 mm	Each	7.00	82
5.15	9.100	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :			
a)	9.100.1	125 mm	Each	8.00	66
b)	9.100.2	100 mm	Each	5.00	59
5.16	9.101	Providing and fixing aluminium hanging floor door stopper, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws etc. complete.			
a)	9.101.2	Twin rubber stopper	Each	8.00	72
5.17	9.111	Providing and fixing wooden moulded corner beading of triangular shape to the junction of panelling etc. with iron screws, plugs and priming coat on unexposed surface etc. complete 2nd class teak wood.			
a)	9.111.1	50x50 mm (base and height)	Metre	0.00	250
5.17	9.127.2	Providing and fixing PVC rigid foam sheet 1 mm thick on existing door shutters (bathroom and W.C. doors) using synthetic rubber based adhesive.	sqm	3.00	897
5.18	9.130	Providing and fixing cup board shutters with 25 mm thick veneered particle board IS : 3097 marked, exterior grade (Grade I), of approved make, including IInd class teak wood lipping of 25 mm wide x 12 mm thick with necessary screws and bright finished stainless steel piano hinges, complete as per direction of Engineer-in-Charge.	ľ		
a)	9.130.1	With decorative veneering on one side and commercial veneering on other side	Sqm	0.00	1647
		Total of sub-head			
6.00	10	STEEL WORK			
6.01	10.11	Providing and fixing factory made ISI marked steel glazed doors, windows and ventilators, side /top /centre hung, with beading and all members such as F7D, F4B, K11 B and K12 B etc. complete of standard rolled steel sections, joints mitred and flash butt welded and sash bars tenoned and riveted, including providing and fixing of hinges, pivots, including priming coat of approved steel primer, but excluding the cost of other fittings, complete all as per approved design, (sectional weight of only steel members shall be measured for payment).			
a)	10.11.1	Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6	TZ.	120.00	121
6.02	10.13	graded stone aggregate 20 mm nominal size) Providing and fixing T-iron frames for doors, windows and ventilators of mild steel Tee-sections, joints mitred and welded, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer.	Kg	130.00	131
a)	10.13.1	Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete			
		block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	Kg	90.00	141
6.03	10.15	Providing and fixing M.S. Tubular frames for doors, windows, ventilators and cupboard with rectangular/ L-Type sections, made of 1.60 mm thick M.S. Sheet, joints mitred, welded and grinded finish, with profiles of required size, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer.			

5.00 4.00	303.25 260.60	1,516.25 1,042.40
5.00 7.00	115.15 82.55	575.75 577.85
8.00 5.00	66.25 59.55	530.00 297.75
8.00	72.35	578.80 -
0.00	250.25	-
3.00	897.30	2,691.90
0.00	1647.95	- 89,518.50
0.00	1647.95	- 89,518.50 17,036.50

a)	10.15.1	Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6		
6.03	10.17	graded stone aggregate 20 mm nominal size) Providing and fixing M.S. fan clamp type I or II of 16 mm dia M.S. bar, bent to shape with hooked ends in R.C.C. slabs or beams during	Kg	0.00
		laying, including painting the exposed portion of loop, all as per standard design complete.	Each	5.00
6.03	10.18	Providing and fixing circular/ Hexagonal cast iron or M.S. sheet box for ceiling fan clamp, of internal dia 140 mm, 73 mm height, top lid of 1.5 mm thick M.S. sheet with its top surface hacked for proper bonding, top lid shall be screwed into the cast iron/ M.S. sheet box by means of 3.3 mm dia round headed screws, one lock at the corners. Clamp shall be made of 12 mm dia M.S. bar bent to shape as per standard drawing.	Each	5.00
6.04	10.26		Laci	5.00
6.04	10.26	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer.		
a)	10.26.1	M.S. tube	Kg	140.00
6.05	10.28	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners, stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-incharge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).		
			Kg	0.00
6.05	10.30	Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with :		
a)	10.30.1	4.0 mm thick glass panes	Sqm	20.00
,				
,		Total of sub-head		
7.00	11	Total of sub-head FLOORING		
	11 11.4			
7.00		FLOORING 52 mm thick cement concrete flooring with concrete hardener topping, under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per manufacturer's specifications. This includes cost of cement	Sqm	0.00
7.00		FLOORING 52 mm thick cement concrete flooring with concrete hardener topping, under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per manufacturer's specifications. This includes cost of cement	Sqm	0.00
7.00 7.01	11.4	FLOORING 52 mm thick cement concrete flooring with concrete hardener topping, under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per manufacturer's specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete.	Sqm	0.00
7.00 7.01 7.02	11.4	 FLOORING 52 mm thick cement concrete flooring with concrete hardener topping, under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per manufacturer's specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete. Cement plaster skirting up to 30 cm height, with cement mortar 1:3 (1 cement : 3 coarse sand), finished with a floating coat of neat cement. 18 mm thick Providing and fixing glass strips in joints of terrazo/ cement concrete 	·	
7.00 7.01 7.02 a)	11.4 11.6 11.6.1	FLOORING 52 mm thick cement concrete flooring with concrete hardener topping, under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick cement hardener consisting of mix 1:2 (1 cement ardener mix : 2 graded stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per manufacturer's specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete. Cement plaster skirting up to 30 cm height, with cement mortar 1:3 (1 cement : 3 coarse sand), finished with a floating coat of neat cement.	·	
 7.00 7.01 7.02 a) 7.02 	11.4 11.6 11.6.1 11.13	 FLOORING 52 mm thick cement concrete flooring with concrete hardener topping, under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per manufacturer's specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete. Cement plaster skirting up to 30 cm height, with cement mortar 1:3 (1 cement : 3 coarse sand), finished with a floating coat of neat cement. 18 mm thick Providing and fixing glass strips in joints of terrazo/ cement concrete floors. 	Sqm	0.00
 7.00 7.01 7.02 a) 7.02 a) 	11.4 11.6 11.6.1 11.13 11.13.1	 FLOORING 52 mm thick cement concrete flooring with concrete hardener topping, under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 crarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per manufacturer's specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete. Cement plaster skirting up to 30 cm height, with cement mortar 1:3 (1 cement : 3 coarse sand), finished with a floating coat of neat cement. 18 mm thick Providing and fixing glass strips in joints of terrazo/ cement concrete floors. 40 mm wide and 4 mm thick Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base 	Sqm	0.00
 7.00 7.01 7.02 a) 7.02 a) 7.01 	11.4 11.6 11.6.1 11.13 11.13.1 11.26	 FLOORING 52 mm thick cement concrete flooring with concrete hardener topping, under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick cement hardener consisting of mix 1:2 (1 cement : 2 graded stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per manufacturer's specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete. Cement plaster skirting up to 30 cm height, with cement mortar 1:3 (1 cement : 3 coarse sand), finished with a floating coat of neat cement. 18 mm thick Providing and fixing glass strips in joints of terrazo/ cement concrete floors. 40 mm wide and 4 mm thick Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement nortar 1:4 (1 cement : 4 coarse sand): 25 mm thick. Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing 	Sqm Metre Sqm	0.00 0.00 367.00
 7.00 7.01 7.02 a) 7.02 a) 7.01 	11.4 11.6 11.6.1 11.13 11.13.1 11.26 11.26.1	 FLOORING 52 mm thick cement concrete flooring with concrete hardener topping, under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 cayse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per manufacturer's specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete. Cement plaster skirting up to 30 cm height, with cement mortar 1:3 (1 cement : 3 coarse sand), finished with a floating coat of neat cement. 18 mm thick Providing and fixing glass strips in joints of terrazo/ cement concrete floors. 40 mm wide and 4 mm thick Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement nortar 1: 4 (1 cement : 4 coarse sand): 25 mm thick. Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment 	Sqm Metre	0.00

Kg	0.00	137.3	-
Each	5.00	226.00	1,130.00
Each	5.00	220.65	1,103.25
Kg	140.00	196.80	27,552.00
Kg	0.00	575.45	-
Sqm	20.00	1064.65	21,293.00
			00,00/./3
			80,867.75 -
			ov,60/./3 -
Sqm	0.00	787.50	ov,60/./3 - -
Sqm	0.00	787.50 521.15	
			- - -
Sqm Metre	0.00	521.15	-
Sqm Metre	0.00 0.00 367.00	521.15 75.15	

7.04	11.32	Extra for Kota stone/ sand stone in treads of steps and risers using single length up to $1.05\ metre.$	Sqm
7.05	8.31	Providing and fixing Ist quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	Sam
			Sqm
7.06	11.37	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including pointing the joints with white cement and matching pigment etc., complete.	Sqm
7.07	11.41	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including grouting the joints with white cement and matching pigments etc., complete.	
a)	11.41.2	Size of Tile 600x600 mm	Sqm
7.08	11.46	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including grouting the joint with white cement & matching pigments etc. complete.	
a)	11.46.2	Size of Tile 600x600 mm	Sqm
7.07	16.68	Providing and laying 60mm thick faciory made cement concrete interlocking paver block of M -30 grade made by block making machine with strong vibratory compaction, of approved s;ze, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with line sand etc. all complete as per the direction of Engineer-in-charge.	Sqm
		Total of sub-head	
8.00	12	ROOFING	
8.01	12.22	Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1 m x1 m x 400 micron, finished with 12 mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete.	Each
			Each
8.02	12.50	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineerin-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	

Sqm	200.00	1267.95	-
Sqm	20.00	1096.55	-
Sqm	0.00	1500.55	-
Sqm	0.00	1545.85	-
Sqm	0.00	859.35	-
			-
Each	20.00	298.25	5,965.00
Sqm	150.00	738.65	110,797.50

28.00

44.15

-

8.03 12.53 Providing and Fixing 15 mm thick densified tegular edged eco friendly light weight calcium silicate false ceiling tiles of approved texture of size 595 x 595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanised steel sections (galvanising @ 120 grams per sqm including both side) consisting of main 'T' runner suitably spaced at joints to get required length and of size 24x38 mm made from 0.33 mm thick (minimum) sheet, spaced 1200 mm centre to centre, and cross "T" of size 24x28 mm made out of 0.33 mm (Minimum) sheet, 1200 mm long spaced between main'T' at 600 mm centre to centre to form a grid of 1200x600 mm and secondary cross 'T' of length 600 mm and size 24 x28 mm made of 0.33 mm thick (Minimum) sheet to be inter locked at middle of the 1200x 600 mm panel to from grid of size 600x600 mm, resting on periphery walls /partitions on a Perimeter wall angle pre-coated steel of size(24x24X3000 mm made of 0.40 mm thick (minimum) sheet with the help of rawl plugs at 450 mm centre to centre with 25 mm long dry wall screws @ 230 mm interval and laying 15 mm thick densified edges calicum silicate ceiling tiles of approved texture in the grid. including. cutting/ making opening for services like diffusers

		erid. including. cutting/ making opening for services like diffusers. Total of sub-head	Sqm	50.00	2158.15	107,907.50 224,670.00
9.00	13	FINISHING				
9.01	13.4	12 mm cement plaster of mix				-
a)	13.4.2	1:6 (1 cement: 6 coarse sand)	Sqm	50.00	343.65	17,182.50
9.02	13.5	15 mm cement plaster on rough side of single or half brick wall of mix:				-
a)	13.5.1	1:4 (1 cement: 4 coarse sand)	Sqm	400.00	318.95	127,580.00
b)	13.5.2	1:6 (1 cement: 6 coarse sand)	Sqm	50.00	395.35	19,767.50
9.03	13.9	Cement plaster 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement.				
a)	13.9.2	20 mm Cement Plaster	Sqm	30.00	587.20	17,616.00
9.03	13.16	6mm cement plaster of mix				-
a)	13.16.1	1:3 (1 cement : 3 fine sand)	Sqm	30.00	300.45	9,013.50
9.04	13.37	White washing with lime to give an even shade :				
a)	13.37.1	New work (three or more coats)	Sqm	50.00	39.05	1,952.50
9.05	13.41	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade :				
a)	13.41.1	New work (two or more coats) over and including water thinnable				
		priming coat with cement primer	Sqm	60.00	185.65	11,139.00
9.06	13.47	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade:				
a)	13.47.1	New work (Two or more coats applied @ 1.43 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	Sqm	60.00	171.10	10,266.00
9.07	13.50	Applying priming coat:				
a)	13.50.2	With ready mixed pink or Grey primer of approved brand and manufacture on wood work (hard and soft wood)	Sqm	60.00	74.65	4,479.00
b)	13.50.3	With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/ steel works	Sqm	60.00	67.40	4,044.00
9.08	13.62	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :				-
a)	13.62.1	Two or more coats on new work	Sqm	60.00	226.25	13,575.00
9.09	13.65	Painting with black anti-corrosive bitumastic paint of approved brand and manufacture to give an even shade :				
a)	13.65.1	Two or more coats on new work	Sqm	0.00	106.05	-
9.10	13.73	Forming groove of uniform size in the top layer of washed stone grit plaster as per approved pattern using wooden battens, nailed to the under layer, including removal of wooden battens, repair to the edges of panels and finishing the groove complete as per specifications and direction of the Engineer-in-charge :				
a)	13.73.1	15 mm wide and 15 mm deep groove	metre	60.00	75.15	4,509.00
9.11	13.80	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	Sqm	60.00	156.05	9,363.00
0.12	MD	France state of an and have been to star as a star				

50.00

Sam

2158.15

107,907.50

9.12 MR Epoxy paint of approved brand and manufacture to give an even shade :

a)

Two or more coats on old work

Total of sub-head

Sqm 60.00 123.00

250,487.00 0.00

ESTIMATE OF FOR CONSTRUCTION OF ADDITIONAL DORMITORY & STAFF QUARTERS AT JNV KUPWARA, JAMMU AND KASHMIR

SUMMARY OF PLUMBING WORK GIRLS DORMITORY

S. No.	DESCRIPTION	AMOUNT (Rs.)
1	EARTH WORK	3,521.50
2	ROOFING	12,195.75
3	SANITARY INSTALLATIONS	106,434.20
4	WATER SUPPLY	70,044.30
5	SEWARAGE & DRAINAGE	67,327.25
	TOTAL DSR ITEMS	259,523.00
6	NON SCHEDULE ITEMS	-
	TOTAL NON DSR ITEMS	-
	TOTAL (A+B)	259,523.00
	Say	2.60 Lakh

ESTIMATE OF FOR CONSTRUCTION OF ADDITIONAL DORMITORY & STAFF QUARTERS AT JNV KUPWARA,

PHE COST ESTIMATE OF Girls DORMITORY

S. No.	Ref. No	Description	Unit	Qty	DSR 23 Rate	Amount (Rs.)
1	2	3	4	5	6	7.00
1.00	2.00	EARTH WORK				
1.02	2.10	Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 1.5 m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m :				
	2.10.1	All kinds of soil				
a) b)	2.10.1.1 2.10.1.2	Pipes, cables etc. not exceeding 80 mm dia. Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm	Metre	10.00	215.60	-
0)	2.10.1.2	dia	Metre	10.00	352.15	3,521.50
1.03	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	Cum	4.00	196.00	
			Culli	4.00	190.00	2 521 50
		Total of sub-head			•	3,521.50
2.00	12.00	ROOFING				
2.01	12.41	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes.				
A)	12.41.2	110 mm diameter	Metre	20.00	377.40	7,548.00
2.02	12.42	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring				
i)	12.42.1	Coupler				
a)	12.42.1.2	110 mm	Each	5.00	136.15	680.75
ii)	12.42.5	Bend 87.5°				
a)	12.42.5.2	110 mm bend	Each	5.00	150.35	751.75
iii)	12.42.6	Shoe (Plain)				
a)	12.42.6.2	110 mm Shoe	Each	5.00	131.85	659.25
2.03	12.43	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50 mm hard wood plugs, screwed with M.S. screws of required length, including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete.				
a)	12.43.2	110 mm	Each	6.00	371.30	2,227.80
2.04	12.44	Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15 cm diameter and weighing not less than 440 grams.				
			Each	6.00	54.70	328.20

Total of sub-head

SANITARY INSTALLATIONS

3.00

17.00

-

5.00	17.00	SAMITARI INSTALLATIONS				
3.01	17.1	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and				
a)	17.1.1	White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	Each	3.00	6767.40	20,302.20
3.02	17.7	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:				
a)	17.7.4	White Vitreous China Flat back wash basin size 550x 400 mm with single 15 mm C.P. brass pillar tap	Each	1.00	1879.20	1,879.20
3.03	17.35	Providing and fixing soil, waste and vent pipes.				
a)	17.35.1	100 mm dia.				
i)	17.35.1.2	Centrifugally cast (spun) iron socket & spigot (S&S) pipe as per IS: 3989	Metre	8.00	1180.75	9,446.00
b)	17.35.2	75mm diameter	M /	0.00	1106.00	-
i)	17.35.2.2	Centrifugally cast (spun) iron socketed pipe as per IS: 3989	Metre	8.00	1186.00	9,488.00
3.04	17.37	Providing and fixing M.S. holder-bat clamps of approved design to Sand Cast iron/cast iron (spun) pipe embedded in and including cement concrete blocks $10x10x10$ cm of $1:2:4$ mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), including cost of cutting holes and making good the walls etc. :				-
a)	17.37.1	For 100 mm dia. pipe	Each	8.00	362.85	2,902.80
b)	17.37.2	For 75 mm dia. pipe	Each	8.00	360.00	2,880.00
3.05	17.38	Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete.				-
a)	17.38.1	100 mm				-
i)	17.38.1.2	Sand cast iron S&S as per IS - 3989	Each	3.00	705.20	2,115.60
b)	17.38.2	75 mm				-
i)	17.38.2.2	Sand cast iron S&S as per IS- 3989	Each	3.00	522.80	1,568.40
3.06 a)	17.39 17.39.1	Providing and fixing plain bend of required degree. 100 mm				-
i)	17.39.1.2	Sand cast iron S&S as per IS:3989	Each	3.00	570.05	1,710.15
b)	17.39.2	75 mm				-
i)	17.39.2.2	Sand cast iron S&S as per IS:3989	Each	3.00	390.50	1,171.50
3.07	17.40	Durviding and fiving hast part conitary hand				-
a)	17.40	Providing and fixing heel rest sanitary bend 100 mm dia				-
i)	17.40.1.2	Sand cast iron S&S as per IS - 3989	Each	2.00	548.70	1,097.40
b)	17.40.2	75 mm dia				-
i)	17.40.2.2	Sand cast iron S&S as per IS - 3989	Each	2.00	504.30	1,008.60
3.08	17. 43	Providing and fixing single equal plain junction of required degree with access door, insertion rubber washer 3mm thick, bolts and nuts complete.				-
a)	17.43.1	100x100x100mm				-
i)	17.43.1.2	Sand cast iron S&S as per IS - 3989	Each	3.00	925.70	2,777.10
b)	17.43.2	75x75x75mm	T 1	• • • •		-
i)	17.43.2.2	Sand cast iron S&S as per IS - 3989	Each	3.00	665.05	1,995.15

2.00	17 44	Descriding and fiving single equal plain innotion of mentioned descree				
3.09	17.44	Providing and fixing single equal plain junction of required degree				-
a)	17.44.1	100x100x100mm				-
i)	17.44.1.2	Sand cast iron S&S as per IS - 3989	Each	2.00	811.90	1,623.80
b) i)	17.44.2 17.44.2.2	75x75x75mm Sand cast iron S&S as per IS - 3989	Each	2.00	561.20	- 1,122.40
1)	17.44.2.2	Sand cast non 363 as per 13 - 3767	Lacii	2.00	501.20	-
3.10	17.55	Providing and fixing door piece, insertion rubber washer 3mm thick,				-
a)	17.55.1	100 mm				-
i)	17.55.1.2	Sand cast iron S&S as per IS - 3989	Each	3.00	683.85	2,051.55
b) i)	17.55.2 17.55.2.2	75 mm Sand cast iron S&S as per IS - 3989	Each	3.00	537.00	- 1,611.00
1)	17.33.2.2	Sand cast non S&S as per 15 - 5767	Lacii	5.00	557.00	-
3.11	17.56	Providing and fixing terminal guard :				-
a)	17.56.1	100 mm				-
i)	17.56.1.2	Sand cast iron S&S as per IS - 3989	Each	3.00	506.00	1,518.00
b) i)	17.56.2 17.56.2.2	75 mm Sand cast iron S&S as per IS - 3989	Each	3.00	404.75	- 1,214.25
1)	17.50.2.2	Sund cast non Sees as per 15 - 5767	Euch	5.00	101.75	-
3.12	17.57	Providing and fixing collar :				-
a)	17.57.1	100 mm	F 1	- 00	512.15	-
i) b)	17.57.1.2 17.57.2	Sand cast iron S&S as per IS - 3989 75 mm	Each	5.00	513.15	2,565.75
i)	17.57.2.2	Sand cast iron S&S as per IS - 3989	Each	5.00	362.05	1,810.25
,						-
3.13	17.58	Providing lead caulked joints to sand cast iron/centrifugally cast				
2)	17.58.1	(spun) iron pipes and fittings of diameter : 100 mm	Each	20.00	622.50	- 12,450.00
a) b)	17.58.2	75 mm	Each	20.00	526.25	10,525.00
,						-
3.14	17.59	Providing and fixing M.S. stays and clamps for sand cast iron/				
2)	17.59.1	centrifugally cast (spun) iron pipes of diameter : 100 mm	Each	3.00	139.70	- 419.10
a) b)	17.59.2	75 mm	Each	3.00	90.30	270.90
,						-
3.15	17.60	Providing and fixing trap of self cleansing with screwed down or				
`	17 (0.1	hinged grating with or without vent arm complete, including cost of				-
a) i)	17.60.1 17.60.1.1	100 mm inlet and 100 mm outlet Sand cast iron S&S as per IS: 3989.	Each	3.00	1996.50	- 5,989.50
1)	17.00.1.1	Sand east non 565 as per 15. 5707.	Lacii	5.00	1770.50	-
3.16	17.61	Cutting chases in brick masonry walls for following diameter sand				
		cast iron/ centrifugally cast (spun) iron pipes and making good the				
		same with cement concrete 1:3:6 (1 cement : 3 coarse sand :6 graded stone aggregate 12.5 mm nominal size), including necessary plaster				
a)	17.61.1	100 mm dia	Metre	3.00	713.20	2,139.60
,					,	-
3.17	17.65	Painting sand cast iron/ centrifugally cast (spun) iron soil, waste vent				
		pipes and fittings with two coats of synthetic enamel paint of any colour such as chocolate grey, or buff etc. over a coat of primer (of				
		approved quality) for new work :				
						-
a)	17.65.1	100 mm diameter pipe	Metre	2.00	82.80	165.60
b)	17.65.2	75 mm diameter pipe	Metre	2.00	62.95	125.90
3.18	17.69	Providing and fixing PTMT Waste Coupling for wash basin and sink,				-
2.10	11.07	of approved quality and colour.				-
a)	17.69.2	Waste coupling 38 mm dia of 83 mm length and 77mm breadth,				
		weighing not less than 60 gms	Each	1.00	122.40	122.40
3.19	17.70	Providing and fixing PTMT Bottle Trap for Wash basin and sink.				-
2.17	1,.,0	and annung Zouro Frup for Hubi ouoni and oniki				-

a)	17.70.1	Bottle trap 31mm single piece moulded with height of 270 mm, effective length of tail pipe 260 mm from the centre of the waste coupling, 77 mm breadth with 25 mm minimum water seal, weighing not less than 260 gms	Each	1.00	367.10	367.10
		Total of sub-head				106,434.20
4.00	18.00	WATER SUPPLY				_
4.01	18.7	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge.				_
		Internal work - Exposed on wall				-
a)	18.7.2	20 mm nominal outer dia Pipes	Metre	2.50	335.00	837.50
b)	18.7.3	25 mm nominal outer dia Pipes	Metre	3.00	401.55	1,204.65
c)	18.7.4	32 mm nominal outer dia Pipes	Metre	6.00	518.75	3,112.50
4.02	18.8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge.				
		Concealed work, including cutting chases and making good the walls etc.				-
a)	18.8.1	15 mm nominal outer dia Pipes	Metre	6.00	497.80	2,986.80
b)	18.8.2	20 mm nominal outer dia Pipes	Metre	5.00	537.60	2,688.00
c)	18.8.3	25 mm nominal outer dia Pipes	Metre	10.00	627.25	6,272.50
d)	18.8.4	32 mm nominal outer dia Pipes	Metre	4.00	739.30	2,957.20
4.03	18.9	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge.				-
a)	18.9.2	20 mm nominal outer dia Pipes	Metre	10.00	274.30	2,743.00
b)	18.9.3	25 mm nominal outer dia Pipes	Metre	5.00	355.40	1,777.00
c)	18.9.4	32 mm nominal outer dia Pipes	Metre	10.00	438.60	4,386.00
4.04	18.13	Making connection of G.I. distribution branch with G.I. main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete :				-
a)	18.13.1	25 to 40 mm nominal bore	Each	1.00	911.90	911.90
4.05	18.16	Providing and fixing brass stop cock of approved quality :				-
a)	18.16.1	15 mm nominal bore	Each	5.00	353.25	1,766.25
b)	18.16.2	20 mm nominal bore	Each	3.00	379.20	1,137.60
4.06	18.17	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :				-
a)	18.17.1	25mm nominal bore	Each	5.00	622.40	3,112.00
b)	18.17.2	32mm nominal bore	Each	3.00	689.60	2,068.80
c)	18.17.3	40mm nominal bore	Each	3.00	826.10	2,478.30

4.07 a)	18.18 18.18.3	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 25 mm nominal bore	Each	2.00	464.05	928.10
4.08	18.19	Providing and fixing gun metal non-return valve of approved quality	Lach	2.00	-005	-
,		(screwed end)				-
a) (i)	18.19.1 18.19.1.2	25 mm nominal bore Vertical	Each	1.00	624.10	624.10
(-)						
b) (ii)	18.19.2 18.19.2.2	32 mm nominal bore Vertical	Each	1.00	850.25	850.25
(11)	10.19.2.2	Ventear	Each	1.00	850.25	850.25
c)	18.19.3	40 mm nominal bore	Est	1.00	1124 70	-
(iii)	18.19.3.2	vertical	Each	1.00	1134.70	1,134.70
4.09	18.20	Providing and fixing brass ferrule with C.I. mouth cover including boring and tapping the main :				_
a)	18.20.3	25 mm nominal bore	Each	3.00	486.80	1,460.40
4.10	18.21	Providing and fixing uplasticised PVC connection pipe with brass unions :				-
a)	18.21.2	45 cm length				-
i)	18.21.2.1	15 mm nominal bore	Each	4.00	97.75	391.00
4.12	18.48	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable				-
a)	18.48B	locking arrangement and making necessary holes for inlet, outlet and Rectangular tank	Lite	1000.00	11.00	11,000.00
4.13	18.49	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 :				-
a)	18.49.1	15 mm nominal bore	Each	12.00	506.80	- 6,081.60
4.1.4	10 51					-
4.14	18.51	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms.				
a)	18.51.1	15 mm nominal bore	Each	2.00	798.95	1,597.90
4.15	18.52	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931.				_
a)	18.52.1	15 mm nominal bore.	Each	5.00	670.45	3,352.25
						-
4.17	18.58	Providing and fixing PTMT grating of approved quality and colour.				-
-)	10 50 1	Circulatore				-
a) i)	18.58.1 18.58.1.1	Circular type. 100 mm nominal dia.	Each	10.00	37.60	376.00
4.18	18. 77	Cutting holes up to 15x15 cm in R.C.C. floors and roofs for passing drain pipe etc. and repairing the hole after insertion of drain pipe etc. with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), including finishing complete so as to				-
		make it leak proof.	Each	4.00	452.00	1,808.00
		Total of sub-head				70,044.30
5.00	19	SEWARAGE & DRAINAGE		0.00	0.00	-
5.01	19.1	Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete :				
a)	19.1.1	100 mm diameter	Metre	7.00	443.60	3,105.20

b)	19.1.2	150 mm diameter	Metre	6.00	695.80	4,174.80
5.02	19. 2	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round S.W. pipes including bed concrete as per standard design :				-
a) b)	19.2.1 19.2.2	100 mm diameter S.W. pipe 150 mm diameter S.W. pipe	Metre Metre	7.00 6.00	964.75 1179.85	6,753.25 7,079.10
5.03	19.4	Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70				-
a) i)	19.4.2 19.4.2.1	150 x 100 mm size P type With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	2.00	2734.20	- - 5,468.40
5.04	19.7	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design :				-
a)	19.7.1	Inside size 90x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) :				-
i)	19.7.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	2.00	12770.55	25,541.10
5.05	19.8	Extra for depth for manholes :				-
a) i)	19.8.1 19.8.1.1	Size 90x80 cm With common burnt clay F.P.S. (non modular) bricks of class				-
		designation 7.5	Metre	1.00	8825.40	8,825.40
5.06	19.15.2	Providing M.S. foot rests including fixing in manholes with 20x20x10cm cement concrete blocks 1:3:6 (1 cement : 3 coarse sand : 6graded stone aggregate 20 mm nominalsize) as per standard design :				
			Each	4.00	496.50	1,986.00
5.07	19.19	Providing and fixing in position pre-cast R.C.C. manhole cover and frame of required shape and approved quality				-
a) i)	19.19.2 19.19.2.1	M D - 10 Square shape 450 mm internal dimension	Each	2.00	1386.55	2,773.10
5.08	19.21	Making connection of drain or sewer line with existing manhole including breaking into and making good the walls, floors with cement concrete 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) cement plastered on both sides with cement mortar 1:3 (1 cement : 3 coarse sand), finished with a floating coat of neat cement and making necessary channels for the drain etc. complete :				-
a)	19.21.1	For pipes 100 to 250 mm diameter	Each	2.00	810.45	1,620.90
		Total of sub-head			l	67,327.25

ESTIMATE OF FOR CONSTRUCTION OF ADDITIONAL DORMITORY & STAFF QUARTERS AT

ABSTRACT

SUB HEAD	PARTICULARS		AMOUNT SR ITEMS	AS PER NS ITEMS
Ι	WIRING		44,060.00	-
II	SUPPLY OF FITTINGS AND FANS		4,619.00	91,886.90
III	BOARDS & DISTRIBUTION BOARDS		38,136.00	-
IV	EARTHING		11,125.00	-
V	STREET LIGHTING ON BUILDING		6,378.00	8,257.25
	TOTAL	Say in Lacs	104,318.00 1.04	100,144.15 1.00

ESTIMATE OF FOR CONSTRUCTION OF ADDITIONAL DORMITORY & STAFF QUARTERS AT JNV KUPWARA, JAMMU AND KASHMIR

Cost Estimate of Girls Dormitory

SI. No.	DSR- 2022	DESCRIPTION	UNIT	QTY.	RATE (AS PER SR)	RATE (AS PER NS)	(All Amou AMOUNT (SR ITEMS)	AMOUNT (NS ITEMS)
1.00		SUBHEAD - I - WIRING						
1.01	1.10	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.						
a)	1.10.3	Group C	Each	8.00	1467.00		11736.00	0.00
1.02	1.12	Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit alongwith 1 No. 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	Metre	10.00	334.00		3340.00	0.00
1.03	1.6	Wiring for light/ power plug with 4X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit alongwith 2 Nos. 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	Metre	10.00	662.00		6620.00	0.00
1.04	1.27	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required.	Each	10.00	343.00		3430.00	0.00
a)	1.27.3	4 Module (125 mmX75 mm)						
1.05	1.24	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.						
a)	1.24.3	15/16 A switch	Each	5.00	156.00		780.00	0.00
b) c)	1.24.4 1.24.7	3 pin 5/6 A socket outlet TV antenna socket outlet	Each Each	5.00 5.00	122.00 148.00		610.00 740.00	0.00
1.06	1.7	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required.						
a) b)	1.7.1 1.7.4	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire 2 X 6 sq. mm + 1 X 6 sq. mm earth wire	Metre Metre	5.00 5.00	327.00 589.00		1635.00 2945.00	0.00
c)	1.7.5	2×10 sq. mm + 1 $\times 6$ sq. mm earth wire	Metre	5.00	710.00		3550.00	0.00
d)	1.7.8	4 X 4 sq. mm + 2 X 4 sq. mm earth wire	Metre	5.00	677.00		3385.00	0.00
1.07	1.19	Supplying and drawing co-axial TV cable RG-6 grade, 0.7 mm solid copper conductor PE insulated, shielded with fine tinned copper braid and protected with PVC sheath in the existing surface/recessed steel/PVC conduit as required.	Metre	10.00	47.00		470.00	0.00
1.08	1.20	Supplying and fixing of following sizes of steel conduit along with accessories in surface/recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required.						
a)	1.20.2	25 mm	Metre	10.00	256.00		2560.00	0.00
1.09	1.27	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required.						
a)	1.27.1	1 or 2 Module (75 mmX75 mm)	Each	3.00	298.00		894.00	0.00
1.10	1.21	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.						
a) b)	1.21.1 1.21.2	20 mm 25 mm	Metre	5.00 5.00	128.00 145.00		640.00 725.00	
0)	1.21.2	23 mm	Metre	5.00	143.00		725.00	
		TOTAL OF SUBHEAD - 1					44060.00	0.00
2.00		SUBHEAD - II - SUPPLY & INSTALLATION OF FITTINGS						
2.01	M . R	Supplying of following box type Fl. fitting made out of CRCA sheet finished in antirust treated non-yellowing super white stove enamelled paint duly wired with copper wound heavy duty choke starter holder, starter but without lamp complete etc. as reqd.						

a)		Mounting rail for TLED lamps 1600 Lumens (TMC 501 P 1xT-						
b)		LED with Essential LED 18W Tube) Sereno 42 watt 2950 lumens philips SP824 P LED 30S-5000 GR OA	Each Each	5.00		585.35 9366.25	0.00	2926.75 46831.25
2.02	MD			5.00		7500.25	0.00	10051.25
2.02	M . R	Supplying of wall mounted suitable for 1300 Lumens complete with ballast & accessories such as wire guard etc. complete as required.						
a)		15W Astra Surface & wall mounted 1300 Lumens (Philips BN150W LED13S-6500 PSE OD GR)	Each	3.00		2458.65	0.00	7375.95
2.03	M.R	Supplying of wall bracket light fittings suitable for 11 / 13 W CFL lamp. The fitting shall be made up of M.S. powder coated provided with integral ballast, frosted glass and 1 no. 11 / 13 W lamp duly wired upto the connector block complete as required. (Decon Cat. No.05AAM)		5.00		1170.80	0.00	5854.00
2.04	M.R	Supplying of ceiling light fittings suitable for 1 x 15/20 W LED lamp. The fitting shall be made up of M.S. powder coated provided with electronic ballast, 1 no. 15/20 W LED lamp duly wired upto the connector block etc. complete as required.						
		Cirrus Mini Pro 15 / 20 watt & 1100 /1600 Lumens (Philips SM200C LED11S 6500 PSU OD WH)	Each	5.00		2868.45	0.00	14342.25
2.05	M.R.	Supplying of bulk head fittings suitable for 10 W LED lamp complete with ballast & accessories such as glass, wire guard, 60 W CFL lamp etc. complete as required.						
		Endural LED-Bulkhead, 10 W, 600 lumen Such as (Philips WT202W LED6S CW PSU S2 PC)	Each	2.00		1697.60	0.00	3395.20
2.06	M . R	Supplying of exhaust fan, all complete with mounting ring frame i/c bracket, but without regulator with shutters in the following sizes. (G.E. ALSTHOM, KHAITAN & HAVELL'S COMPANY)						
a)	a)	300 mm 4 Pole	Each	3.00		1639.10	0.00	4917.30
2.07	M . R	Supplying of 1400 mm sweep A.C. electric Ceiling fans, capacitor type with double ball bearing complete with 300 mm down rod, canopies, shackles, blades, but without regulator suitable for operation on 230 / 240 Volts, 50 Hz, single phase, A.C. supply. (CROMPTON, KHAITAN & HAVELL'S COMPANY)		3.00		2081.40	0.00	6244.20
2.08	1.25	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.		3.00	369.00		1107.00	0.00
2.09	1.45	Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable, including providing and fixing phenolic laminated sheet cover on the fan box etc. as required.		3.00	339.00		1017.00	0.00
2.10	1.41	Installation, testing and commissioning of pre-wired, Light Fixture / compact fluorescent fitting of all types, complete with all accessories and tube/lamp etc. directly on ceiling/ wall, including connections with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required.		4.00	206.00		824.00	0.00
2.11	1.50	Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as						0.00
a)	1.50.1	required. Upto 450 mm sweep	Each	2.00	450.00		900.00	0.00
2.12	1.51	Extra for fixing the louvers/ shutters complete with frame for a exhaust fan of all sizes.	Each	2.00	207.00		414.00	0.00
2.13	1.35	Installation, testing and commissioning of wall bracket /ceiling fittings of all sizes and shapes containing upto two GLS/CFL/ LED lamps per fitting, complete with all accessories including connections etc. as required.		3.00	119.00		357.00	0.00
2.14	1.38	Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required.	Each	0.00	99.00		0.00	0.00
		TOTAL OF SUBHEAD - II.	Lucii	0.00			4619.00	91886.90
3.00		SUBHEAD - III - DISTRIBUTION BOARD						

2.01								
3.01	2.4	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar,						
		interconnections, powder painted including earthing etc. as required. (But						
a)	2.4.2	without MCB/RCCB/ Isolator) 6 way (4 + 18), Double door	Each.	2.00	4974.00		9948.00	0.00
,				2.00	4774.00		<u> </u>	0.00
3.02	2.13	Supplying and fixing following rating, four pole, 415 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.						
a)	2.13.3	100 A	Each	2.00	1227.00		2454.00	0.00
3.03	2.15	Supplying and fixing following rating, four pole, (three phase and neutral), 415 V, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.						
a)	2.15.3	63 A	Each	2.00	2872.00		5744.00	0.00
3.04	2.12	Supplying and fixing following rating, double pole, 240 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.						
a)	2.12.1	40 amps	Each	2.00	435.00		870.00	0.00
3.05	2.3	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)						
a) b)	2.3.3	12 way , Double door 16 way, Double door	Each Each	2.00 2.00	2053.00 2453.00		4106.00 4906.00	0.00
3.06	2.14	Supplying and fixing following rating, double pole, (single phase						
5.00	2.14	and neutral), 240 V, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.						
(a)		25 A	Each	2.00	2028.00		4056.00	0.00
(b)	2.14.2	40 A	Each	2.00	2642.00		5284.00	0.00
3.07	2.10	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.						
a)	2.10.1	Single pole	Each	3.00	256.00		768.00	0.00
		TOTAL OF SUBHEAD - III.					38136.00	0.00
4.00		SUBHEAD - IV - EARTHING						
4.01	5.2	Earthing with G.I. earth pipe 4.5 meter long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as						
		required.	Each	1.00	6855.00		6855.00	0.00
4.02	5.12	Providing and laying earth connection from earth electrode with 6 SWG dia G.I. Wire in 15 mm dia G.I. pipe from earth electrode including connection with G.I. thimble excavation and re-filling as required.						
			Metre	10.00	287.00		2870.00	0.00
4.03	5.16	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing as required.	Metre	20.00	70.00		1400.00	0.00
		TOTAL OF SUBHEAD - IV					11125.00	0.00
5.00		SUBHEAD - V - STREET LIGHTING ON BUILDING						
5.01	M.R.	Supplying, installing, testing and commissioning of 2 x 36W general purpose flourescent street light fittings with sheet aluminium housing and UV stabilized acrylic cover complete with chokes, starter holders, condensers, reflector cover etc. as reqd. (Philips Cat No. TRC 33 / 236 HPF) (To be fixed directly on wall of building)		2.00		3234.55	0.00	6469.10
			Set	2.00		5254.55	0.00	0+07.10
5.02	12.34	Supplying and fixing of 32 mm dia X 2.00 meter long G.I. pipe (medium class) bracket for mounting of fluorescent / HPMV / HPSV street light fitting on pole including bending the pipe to the required shape, 2 Nos. 40 mm X 3 mm flat iron clamps with nuts, bolts and washer, painting the flat iron with primer and finish paint etc. as required.						
			Each	2.00	1477.00		2954.00	0.00

		G. TOTAL (I TO V)						204462.15
		TOTAL (I TO V)					104318.00	100144.15
		TOTAL OF SUBHEAD - V.					6378.00	8257.25
a)	14.14.1	100 mm dia	Metre	3.00	662.00		1986.00	0.00
5.09	14.14	Providing, laying and fixing following dia RCC pipe NP2 class (light duty) in ground complete with RCC collars, jointing withcement mortar 1:2 (1 cement : 2 fine sand) including trenching (75 cm deep) and refilling etc. as required.						
5.08	MR	Supply & fixing of 150x200 mm 60mm deep MS junction box recess or surface on wall with 3mm bakalite cover 15 overlapping 15 all sides of junction Box & housing 4way 32amps bakelie connector to terminate incoming & outgoing armoured cable & & wiring the light fixture with 3x1.5 sq mm PVC insulated coppwer wire including interconnection ets as reqired .(Cost of termination of armoured cable with gland is not to be included as the same is payable under separate item no 5.07 of this SUBHEAD)		2.00		746.40	0.00	1492.80
a)	9.1.1	2 X 6 sq. mm (19mm)	Each	2.00	240.00		480.00	0.00
5.07	9.1	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 kV grade as required.						
a)	7.7.1	Upto 35 sq. mm (clamped with 1mm thick saddle)	Metre	2.00	55.00		110.00	0.00
5.06	7.7	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 kV grade of following size on wall surface as required.						
a)	7.5.1	Upto 35 sq. mm	Metre	2.00	37.00		74.00	0.00
5.05	7.5	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 kV grade of following size in the existing RCC/ HUME/ METAL pipe as required.						
a)	7.1.1	Upto 35 sq. mm	Metre	2.00	387.00		774.00	0.00
5.04	7.1	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 kV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc. as required.						
a)	a)	2 x 4 sq.mm	Metre	3.00		98.45	0.00	295.35
5.03	MR	Supply of following sizes of FRLS 1.1 KV stranded compact circular aluminium conductor screened with extruded semi conducting compound, XLPE insulated,Al round wire armoured & overall PVC sheathed cableconforming to IS to IS 7098 (Part-I) with latest amendments						

	ESTIMATE OF FOR CONSTRUCTION OF ADDITIONAL DORMITORY & ABSTRACT OF Left over work of 0.25 Unit Boys Dormitory with 01 nos warden residence (Double	F COST					R
S.N.	DESCRIPTION OF ITEM	DSR- 2021	QUANTITY	UNIT	RATES	AMOUNT DSR ITEM	AMOUNT [M.R. ITEM]
1	Earth Work Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. All kinds of soil	2.8.1	216.18	CUM	260.30	56,271.65	
	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5 m.	2.25	129.71	CUM	196.00	25,423.16	
	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete. Excavating, supplying and filling of local earth (including royalty) by mechanical transport upto a	2.27	20.19	CUM	2123.75	42,878.51	
	Lead of Skm also including ramming and watering of the earth in layers not exceeding 20 cm in trenches, plinth, sides of foundation etc. complete.	2.25a	60.29	CUM	700.50	42,233.15	
	Concrete Work Providing and laying in position cement concrete of specified grade excluding the cost of centering						
	and shuttering - All work up to plinth level :1:5:10 (1 cement : 5 coarse sand (zone-III) derived from natural sources : 10 graded stone aggregate 40 mm nominal size derived from natural sources)	4.1.10	25.11	CIDI	(518 (0	220.000.05	
	Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 cement : 2	4.1.10	35.11	CUM	6518.60	228,868.05	
	coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 12.5mm nominal size derived from natural sources) Providing & applying a coat of residual petroleum bitumen of grade of VG-10 of approved quality	4.10	30.97	SQM	410.85	12,724.02	
	Instrume a approved quarky using 1.7kg per square metre on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil.	4.13	30.97	SQM	146.15	4,526.27	
	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including			-			
	necessary excavation, levelling & dressing & finishing the top smooth. Brick edging in full brick width and half brick depth including excavation, refilling and disposal of	4.17	61.430	SQM	749.30	46,029.50	
	surplus earth lead upto 50 metres. With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	16.7.1	102.38	RM	194.30	19,892.43	
	Reinforced Cement Concrete Centering and shuttering including strutting, propping etc. and removal of form for all heights :						
	Foundations, footings, bases of columns, etc. for mass concrete.	5.9.1	67.39	SQM	392.15	26,426.99	
	Suspended floors, roofs, landings, balconies and access platform.	5.9.3 5.9.5	612.59 440.83	SQM SQM	927.25 736.40	568,024.08 324,627.21	
	Lintels, beams, plinth beams, girders, bressumers Columns, Pillars, Piers, Abutments, Posts and Struts.	5.9.6	440.83	SQM	961.30	454,137.35	
	Edges of slabs and breaks in floors and walls Under 20 cm wide.	5.9.16.1	491.08	RM	208.55	102,414.73	
	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Thermo-Mechanically Treated bars of grade Fe-500D	5 00 ((2.11	OT	10705-00	(72,415,40	
12	or more. Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level. Thermo-Mechanically Treated bars of grade Fe-500 D	5.22.6	62.44	QTL.	10785.00	673,415.40	
	or more.	5.22.A.6	136.81	QTL.	10785.00	1,475,495.85	
14	Add for plaster drip course/ groove in plastered surface or moulding to R.C.C. projections. Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge; for the following grades of concrete. Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 110% of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement.	5.30	364.65	RM	78.40	28,588.56	
(1)	All works upto plinth level	5.33					
	Concrete of M25 grade with minimum cement	2.23.1					
	content of 330 kg /cum	5.33.1.1			050155		
	(i) R.C.C. work in Footing (ii) R.C.C. work in Beam	5.33.1.1 5.33.1.1	49.56	CUM CUM	9504.75 9504.75	471,055.41 152,931.43	
	(ii) R.C.C. work in Beam (iii) R.C.C. work in Columns	5.33.1.1	3.34	CUM	9504.75	31,745.87	
(II)	All works above plinth level upto floor V level Concrete of M25 grade with minimum cement content of 330 kg /cum	5.33.2 5.33.2.1					
	(i) R.C.C. work in Lintel	5.33.2.1	1.53	CUM	9860.40	15,086.41	
	(ii) R.C.C. work in Beam	5.33.2.1	23.45	CUM	9860.40	231,226.38	
	(iii) R.C.C. work in Columns (iv) R.C.C. work in Slab	5.33.2.1 5.33.2.1	33.64 78.71	CUM CUM	9860.40 9860.40	331,703.86 776,112.08	
15	(iv) K.C.C. work in state Expansion Joint Treatment Providing and fixing of expansion joint system related with floor location as per drawings and direction of Engineer-In-Charge. The joints system will be of extruded aluminum base members,	2.22.2.1	/0./1		,		
	self aligning / self centering arrangement and support plates etc. as per ASTM B221-02. The system shall be such that it provides floor to floor /floor to wall expansion control system for various vertical localtion in load application areas that commodates multi directional seismic movement without stress to it's components. System shall consist of metal profiles with a universal aluminum base member designed to accommodate various project conditions and finish floor treatments. The cover plate shall be designed of width and thickness required to satisfy projects						
	movement and loading requirements and secured to base members by utilizing manufacturer's pre- engineered self- centering arrangement that freely rotates / moves in all directions. The Self -						
	centering arrangement shall exhibit circular sphere ends that lock and slide inside the corresponding aluminum extrusion cavity to allow freedom of movement and flexure in all						
	directions including vertical displacement. Provision of Moisture Barrier Membrane in the Joint	5.44	2.00	- DI C	(202.55	-	
	Floor Joint of 100 mm gap	5.44.1	3.60	RM	6392.55	23,013.18	

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No. method, all digner, i consigning and growing and gr	10							
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System but lather lipit, single and alternative port of action proved in service of action proved in set of the control into action of the c		wall/ wall to corner application, both new and existing construction in office Buildings &						
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ampline out for kinchen platforms, vanity counters, window sith, facias and similar locations of required size, supproved shad, course and ky with within cerement, mixed with matching pignent, encys tasch exp, including rubbing, curing, mulding and polising to edges tog which gives final exp. k	Е	Cladding Work						
specified size, approved sindle, colour and texture lind over 20 mm blick base center notar 1:14 (1) specified sp		Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished,						
emer 1: 4 caries and, joints readed with white center, maiced with matching pigment, epoxy truck upe, including rubbing, congr., moduling and polishing to eliges to give high glass finish et. 8.2 i.e. i.e. </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
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having 62 mm width & 32 mm thickness, frame will be mitred & Jointed with self driven self tapping screws of size 38 mm x 4 mm & PVC solvent cement, including fixing the frame to wall with suitable dia & length anchor fastener as per manufacturer's specification and direction of	30 31 32 (i) (ii) 33	steel windows by welding. Providing and fixing oxidised M.S. casement stays (straight peg type) with necessary screws etc. complete. 300 mm weighing not less than 200 gms 250 mm weighing not less than 150 gms Providing and fixing aluminium hanging floor door stopper ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete. Twin rubber stopper	9.68.1 9.68.2	30.00	NOS	61.05	1,831.50	
tapping screws of size 38 mm x 4 mm & PVC solvent cement, including fixing the frame to wall with suitable dia & length anchor fastener as per manufacturer's specification and direction of	30 31 32 (i) (ii) 33	steel windows by welding. Providing and fixing oxidised M.S. casement stays (straight peg type) with necessary screws etc. complete. 300 mm weighing not less than 200 gms 250 mm weighing not less than 150 gms Providing and fixing aluminium hanging floor door stopper ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete. Twin rubber stopper Providing and fixing factory made door frame (single rebate) made out of single piece extruded	9.68.1 9.68.2	30.00	NOS	61.05	1,831.50	
with suitable dia & length anchor fastener as per manufacturer's specification and direction of	30 31 32 (i) (ii) 33	steel windows by welding. Providing and fixing oxidised M.S. casement stays (straight peg type) with necessary screws etc. complete. 300 mm weighing not less than 200 gms 250 mm weighing not less than 150 gms Providing and fixing aluminium hanging floor door stopper ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete. Twin rubber stopper Providing and fixing factory made door frame (single rebate) made out of single piece extruded solid PVC foam profile with homogenous fine cellular structure having smooth outer integral skin	9.68.1 9.68.2	30.00	NOS	61.05	1,831.50	
	30 31 32 (i) (ii) 33	steel windows by welding. Providing and fixing oxidised M.S. casement stays (straight peg type) with necessary screws etc. complete. 300 mm weighing not less than 200 gms 250 mm weighing not less than 150 gms Providing and fixing aluminium hanging floor door stopper ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete. Twin rubber stopper Providing and fixing factory made door frame (single rebate) made out of single piece extruded solid PVC foam profile with homogenous fine cellular structure having smooth outer integral skin having 62 mm width & 32 mm thickness, frame will be mitred & Jointed with self driven self	9.68.1 9.68.2	30.00	NOS	61.05	1,831.50	
	30 31 32 (i) (ii) 33	steel windows by welding. Providing and fixing oxidised M.S. casement stays (straight peg type) with necessary screws etc. complete. 300 mm weighing not less than 200 gms 250 mm weighing not less than 150 gms Providing and fixing aluminium hanging floor door stopper ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete. Twin rubber stopper Providing and fixing factory made door frame (single rebate) made out of single piece extruded solid PVC foam profile with homogenous fine cellular structure having smooth outer integral skin having 62 mm width & 32 mm thickness, frame will be mitred & Jointed with self driven self tapping screws of size 38 mm x 4 mm & PVC solvent cement, including fixing the frame to wall	9.68.1 9.68.2	30.00	NOS	61.05	1,831.50	
	30 31 32 (i) (ii) 33	steel windows by welding. Providing and fixing oxidised M.S. casement stays (straight peg type) with necessary screws etc. complete. 300 mm weighing not less than 200 gms 250 mm weighing not less than 150 gms Providing and fixing aluminium hanging floor door stopper ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete. Twin rubber stopper Providing and fixing factory made door frame (single rebate) made out of single piece extruded solid PVC foam profile with homogenous fine cellular structure having smooth outer integral skin having 62 mm width & 32 mm thickness, frame will be mitred & Jointed with self driven self tapping screws of size 38 mm x 4 mm & PVC solvent cement, including fixing the frame to wall with suitable dia & length anchor fastener as per manufacturer's specification and direction of	9.68.1 9.68.2 9.101.2	30.00	NOS	61.05 72.35	1,831.50 4,127.57	

35	Providing and fixing PVC rigid foam sheet 1 mm thick on existing door shutters (bathroom and	9.125	17.95	SOM	1045.95	18 (70.21	
36	W.C. doors) using synthetic rubber based adhesive. Providing and fixing wire gauge shutters using stainless steel grade 304 wire gauge with wire of dia	9.125	17.85	SQM	1045.95	18,670.21	
	0.5 mm and average width of aperture 1.4 mm in both directions for doors, windows and clerestory						
	windows with necessary screws : 30 mm thick shutters With ISI marked stainless steel butt hinges						
	of required size Kiln seasoned and chemically treated hollock wood						
	1	9.134.2.2.2	21.42	SQM	3619.60	77,531.83	
37	Providing and fixing fly proof stainless steel grade 304 wire gauge, to windows and clerestory						
	windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of						
	dia. 0.50 mm all complete.With 12 mm mild steel U beading	9.135.2	60.84	SQM	1228.00	74,711.52	
	Providing and fixing 6mm thick both sides Pre-laminated cement bonded wood particle board as						
	per IS: 15786:2008 of approved brand and shade with suitable full threaded steel screws etc. on						
	the backing of racks, drawer, cupboard, kitchen cabinet under kitchen counter etc. all complete as						
	per direction of Engineer in-charge.	9.167	2.18	SQM	1010.60	2,203.11	
	Providing and fixing cupboard shutter with 19mm thick one side decorative and other side						
	balancing lamination factory pressed						
	BWP grade marine ply as per IS 710 of approved brand including 2mm thick PVC edge banding tape with hot glue by edge bending machine etc. with auto closing spring loaded hinges (hydraulic						
	type) etc. complete as per direction of Engineer in-charge.(Payment of providing and fixing auto						
	closing hinges shall be paid separately)	9.168	2.18	SQM	2829.25	6,167.77	
	Providing and fixing 19mm thick both side balancing lamination factory pressed BWP grade	,					
	marine ply as per IS 710 of approved						
	brand boxes, shelves, racks, almirah, cupboard and drawer etc. including necessary nails, screws etc.						
	complete as per direction of Engineer-in-charge.	9.169	10.14	SQM	2593.15	26,294.54	
41	Providing and fixing stainless steel fancy handle of approved make fixed with SS screws etc.						
	complete as per direction of						
	Engineer-in-charge.		1		05.00		
	100 mm for Kitchen Cabinets	Analysis	16.00	Nos.	95.00	1,520.00	
42	Providing and fixing stainless steel soft closing spring hinges at 0 degree hinges (hydraulic						
	type) of approved make/brand to cupboard shutters with full threaded steel screws including						
	making necessary recess in board and finished etc. complete as per direction of Engineer-	0.171	22.00		072.00	0 = 0 + 0 0	
42	in-charge Draviding and fiving bright (matt finished Steinlags Steel handles of anneaved quality & make with	9.171	32.00	Nos.	272.00	8,704.00	
43	Providing and fixing bright /matt finished Stainless Steel handles of approved quality & make with	0 1 4 5 1	116.00	NOS	110.20	12 927 20	
44	necessary screws etc all complete. (a) 125 mm. Providing & fixing Stainless steel sliding door bolts ISI marked anodised (anodic coating not less	9.165.1	116.00	11/05	119.20	13,827.20	
	than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with nuts and						
	screws etc complete. (a) 250mm x 16mm.	M.R.	41.00	NOS	560.00		22,960.00
45	Providing and fixing stainless steel towerbolts (barrel type) with necessary screws etc. complete.		11100		200100		22,700100
(i)	200 x 10mm	M.R.	41.00	NOS	448.00		18,368.00
	150 x 10mm	M.R.	41.00	NOS	392.00		16,072.00
	Steel Work Providing and fixing factory made ISI marked steel glazed doors, windows and ventilators, side						
	complete of standard rolled steel sections, joints mitred and flash butt welded and sash bars tenoned and riveted, including providing and fixing of hinges, pivots, including priming coat of approved steel primer, but excluding the cost of other fittings, complete all as per approved design, (sectional weight of only steel members shall be measured for payment). Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size).						
	Providing and fixing T-iron frames for doors, windows and ventilators of mild steel Tee-sections, joints mitred and welded, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size	10.11.1	1095.12	KG	131.05	143,515.48	
	Providing and fixing M.S. Tubular frames for doors, windows, ventilators and cupboard with rectangular/ L-Type sections, made of 1.60 mm thick M.S. Sheet, joints mitred, welded and grinded finish, with profiles of required size, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer. Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	10.13.1	644.82	KG	141.70	91,370.99	
40	Descripting and firing stainlass staal (On-1-204) willing and CIT II (1 1 1 1	10.15.1	1285.44	Kg	195.20	250,917.89	
	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners, stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge.	10.28	216.000	KG	772.40	166,838.40	
		10.20	210.000	NU	112.40	100,030.40	
20							
	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position						
		10.25.2	371.520	KG	172.60	64,124.35	
	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.In	10.25.2	371.520	KG	172.60	64,124.35	
51	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with : 4.0 mm thick glass panes.	10.25.2	371.520 103.83	KG SQM	172.60 1064.65	64,124.35 110,542.61	
51 H	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with : 4.0 mm thick glass panes. Flooring						
51 H 52	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with : 4.0 mm thick glass panes. Flooring Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with						
51 H 52	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with : 4.0 mm thick glass panes. Flooring Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps						
51 H 52	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with : 4.0 mm thick glass panes. Flooring Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete.	10.30.1	103.83	SQM	1064.65	110,542.61	
51 H 52	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with : 4.0 mm thick glass panes. Flooring Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete. 40 mm thick with 20 mm nominal size stone aggregate						
51 H 52 53	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with : 4.0 mm thick glass panes. Flooring Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete. 40 mm thick with 20 mm nominal size stone aggregate Chequerred precast cement concrete tiles 22 mm thick in footpath & courtyard, jointed with neat	10.30.1	103.83	SQM	1064.65	110,542.61	
51 H 52 53	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with : 4.0 mm thick glass panes. Flooring Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete. 40 mm thick with 20 mm nominal size stone aggregate	10.30.1	103.83	SQM	1064.65	110,542.61	
51 H 52 53	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with : 4.0 mm thick glass panes. Flooring Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete. 40 mm thick with 20 mm nominal size stone aggregate Chequerred precast cement concrete tiles 22 mm thick in footpath & courtyard, jointed with neat cement slurry mixed with pigment to match the shade of tiles, including rubbing and cleaning etc.	10.30.1	103.83	SQM	1064.65	110,542.61	
51 H 52 53	 Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with : 4.0 mm thick glass panes. Flooring Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete. 40 mm thick with 20 mm nominal size stone aggregate Chequerred precast cement concrete tiles 22 mm thick in footpath & courtyard, jointed with neat cement slurry mixed with pigment to match the shade of tiles, including rubbing and cleaning etc. complete, on 20 mm thick bed of cement mortar 1:4 (1 cement: 4 coarse sand). Medium shade 	10.30.1	103.83	SQM SQM	1064.65 614.20	663.34	
51 H 52 53	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with : 4.0 mm thick glass panes. Flooring Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete. 40 mm thick with 20 mm nominal size stone aggregate Chequerred precast cement concrete tiles 22 mm thick in footpath & courtyard, jointed with neat cement slurry mixed with pigment to match the shade of tiles, including rubbing and cleaning etc. complete, and 20 mm thick bed of cement mortar 1:4 (1 cement: 4 coarse sand). Medium shade pigment using 50% white cement 50% Grey cement Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete	10.30.1	103.83	SQM SQM	1064.65 614.20	663.34	
51 H 52 53	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with : 4.0 mm thick glass panes. Flooring Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete. 40 mm thick with 20 mm nominal size stone aggregate Chequerred precast cement concrete tiles 22 mm thick in footpath & courtyard, jointed with neat cement slurry mixed with pigment to match the shade of tiles, including rubbing and cleaning etc. complete, on 20 mm thick bed of cement mortar 1:4 (1 cement: 4 coarse sand). Medium shade pigment using 50% white cement 50% Grey cement Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement	10.30.1 11.3.1 11.20.2	103.83 1.080 21.600	SQM SQM SQM	1064.65 614.20 1328.35	110,542.61 663.34 28,692.36	
51 H 52 53 54	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with : 4.0 mm thick glass panes. Flooring Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete. 40 mm thick with 20 mm nominal size stone aggregate Chequerred precast cement concrete tiles 22 mm thick in footpath & courtyard, jointed with neat complete, on 20 mm thick bed of cement mortar 1:4 (1 cement: 4 coarse sand). Medium shade pigment using 50% white cement 50% Grey cement Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1: 4 (1 cement : 4 coarse sand). Medium shade pigment using 50% white cement 50% Grey cement	10.30.1	103.83	SQM SQM	1064.65 614.20	663.34	
51 H 52 53 54	 Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with : 4.0 mm thick glass panes. Flooring Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete. 40 mm thick with 20 mm nominal size stone aggregate Chequerred precast cement concrete tiles 22 mm thick in footpath & courtyard, jointed with neat cement slurry mixed with pigment to match the shade of tiles, including rubbing and cleaning etc. complete, on 20 mm thick bed of cement mortar 1:4 (1 cement : 4 coarse sand). Medium shade pigment using 50% white cement 50% Grey cement Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) : 25 mm thick 	10.30.1 11.3.1 11.20.2	103.83 1.080 21.600	SQM SQM SQM	1064.65 614.20 1328.35	110,542.61 663.34 28,692.36	
51 H 52 53 54	 Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with : 4.0 mm thick glass panes. Flooring Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete. 40 mm thick with 20 mm nominal size stone aggregate Chequerred precast cement concrete tiles 22 mm thick in footpath & courtyard, jointed with neat cement slurry mixed with pigment to match the shade of tiles, including rubbing and cleaning etc. complete, on 20 mm thick bed of cement mortar 1:4 (1 cement: 4 coarse sand). Medium shade pigment using 50% white cement 50% Grey cement Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1:4 (1 cement : 4 coarse sand). 25 mm thick Kota stone slab 20 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with 	10.30.1 11.3.1 11.20.2	103.83 1.080 21.600	SQM SQM SQM	1064.65 614.20 1328.35	110,542.61 663.34 28,692.36	
51 H 52 53 54	 Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with : 4.0 mm thick glass panes. Flooring Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete. 40 mm thick with 20 mm nominal size stone aggregate Chequerred precast cement concrete tiles 22 mm thick in footpath & courtyard, jointed with neat cement slurry mixed with pigment to match the shade of tiles, including rubbing and cleaning etc. complete, on 20 mm thick bed of cement mortar 1:4 (1 cement : 4 coarse sand). Medium shade pigment using 50% white cement 50% Grey cement Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) : 25 mm thick 	10.30.1 11.3.1 11.20.2	103.83 1.080 21.600	SQM SQM SQM	1064.65 614.20 1328.35	110,542.61 663.34 28,692.36	

With common burnt clay F.P.S. (non modular) brick tiles of class designation 10 Providing and filling of AAC Lightweight Broken Blocks sunken portions. 2.1 Mt Ht. Boundary Wall	12.19 M.R. Analysis	121.430 15.84 32.65	SQM CUM RM	4132.00 14577.60 TOTAL	475,885.75 12,455,856.68	65,450.8 122,850.8
of class designation 10 Providing and filling of AAC Lightweight Broken Blocks sunken portions.	M.R.	15.84	CUM	4132.00		65,450.8
of class designation 10					75,756,56	65,450.8
			L COM	607.40	73,756.58	
ine sand) mixed with 2% of integral water proofing compound by weight of cement, over 12 mm ayer of cement mortar 1:3 (1 cement : 3 fine sand) and finished neat:						
Providing and laying brick tiles over mumty roofs, grouted with cement mortar 1:3 (1 cement : 3	14.86	121.43	SQM	730.55	88,710.69	
of blown type bitumen of grade 85/25 conforming to IS : 702, 3rd and 5th layers of roofing membrane APP modified Polymeric membrane 1.5 mm thick of 2.25 Kg/sqm weight consisting of five layers prefabricated with centre core as 20 micron HMHDPE film sandwiched on both sides with polymeric mix and the polymeric mix is protected on both side with 20 micron HMHDPE film. 7th, the top most layer shall be finished with brick tiles of class designation 10 grouted with cement mortar 1:3 (lcement : 3 fine sand) mixed with 2% integral water proofing compound by weight of cement over a 12 mm layer of cement mortar 1:3 (1 cement : 3 fine sand) and finished neat (item of						
Providing and laying in situ seven course water proofing treatment with APP (Atactic poly- propylene) modified Polymeric memberane over roof consisting of first coat of bitumen primer @	22.5	76.09	SQM	617.05	46,951.33	
Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with water proofing cement compound consisting of applying : a) irist layer of slurry of cement (@ 0.488 kg/sqm mixed with water proofing cement compound @).253 kg/sqm. This layer will be allowed to air cure for 4 hours. b) Second layer of slurry of cement $@ 0.242 kg/sqm$ mixed with water proofing cement compound @ 0.126 kg/sqm. This layer will be allowed to air cure for 4 hours. The rate includes breparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry				(15.05		
	13.80	446.29	SQM	156.05	69,643.55	
Providing and applying white cement based putty of average thickness 1 mm, of approved brand	15.05.1	5.02	SQM	170.23	307.71	
с і ії ї с						
to give an even shade :Two or more coats on new work over an under coat of suitable shade	12 60 1	449.20	5014	226.25	101 /05 25	
With ready mixed red oxide zink chromate primer of approved brand and manufacture on steel galvanised iron/steel works.	13.50.3	198.54	SQM	67.40	13,381.60	
shade. New work (Two or more coats applied @ 1.43 ltr/ 10 sqm. over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm).	13.47.1	759.43	SQM	171.10	129,938.47	
Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade : New work (two or more coats) over and including water thinnable priming coat with sement primer.	13.41.1	1333.47	SQM	185.65	247,558.71	
exceeding 80mm in girth and finished even and smooth no extra for mixing any additive. 1:6 (1 sement: 6 coarse sand)	13.4.2 13.16.1	887.18 446.29	SQM SQM	343.65 300.45	304,879.41 134,087.83	
and) 12mm cement plaster in single coat on fair side of single or half brick wall for exterior plastering up	13.5.2	759.43	SQM	395.35	300,240.65	
Finishing	,					
charge.	16.68 analysis	52.97 26.410	SQM SOM	972.00 1390.56	51,486.84	
grade made by block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of	11.40.2	3.22	SQM	1023.03	0,472.32	
with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including grouting the joint with white	11 46 2	5 22	SOM	1623.05	8 472 32	
nake, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), ointing with grey cement slurry @ 3.3kg/sqm including grouting the joints with white cement and natching pigments etc., complete. Size of Tile 600x600 mm	11.41.2	42.29	SQM	1553.45	65,695.40	
	11.41A.3	45.57	SQM	1464.85	66,753.21	
4 coarse sand) jointing with grey cement slurry @3.3 kg/sqm including grouting the joints with white cement and matching pigments etc. The tiles must be cut with the zero chipping diamond cutter only. Laying of tiles will be done with the notch trowel, plier, wedge, clips of required hickness, leveling system and rubber mallet for placing the tiles gently and easily.Glazed Vitrified						
	 900 mm Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved nake, in all colours and shades, laid on 20mm thick cement nortar 11 4 (1 cement: 14 < coarses and), ointing with grey cement shurry (@ 3.3kg/sqm including grouting the joints with white cement and natching pigments etc. complete. Size of Tile 600x600 mm Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to IS. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement motar 13 (1 cement: 3 coarse sand, liping ingents etc. complete. Size of Tile 600x600 mm Providing and laying 60mm thick faciory made cement concrete interlocking paver block of M -30 grade made by block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of courses sand, fling the joints with line sand etc. all complete as per the direction of Engineerin-thrage. 22 having cement concrete Cima cement plaster on the rough side of single or half brick wall for exterior plastering up to floor two level including internal rounded angles chanffers, and/or rounded angles not exceeding 80mm in girth and finished even and smooth no extra for mixing any additive. 15 (1 cement: fo coarse sand) 5 mm cement plaster on celling (a) 1:3(1 cement: 3 fine sand) 5 mm cement plaster on celling (a) 1:3(1 cement: 4 paynes over an under cut of situable shade inverse rapified (g) 2:108 (g). 5 there prime with shift kerne promer of approved brand and manufacture to give an even shade : New work (two or more coats) over an including vater thinnable priming coat with the ment prime. 5 there prime supplet (g) 2:108 (g). 5 t	naudacture) with vater absorption less than 0.08% and conforming to 15.1562, of approved proved provide another prime and shade, lind 0.00% and conforming to 15.1562, of approved matching primers etc. The tiles must be cat with the zero chipping dimond ruter only. Laving of tiles will be done with the notch trowch, plier, wedge, clips of required hickness, leveling system and rubber mallet for placing the tiles gently and easily Glazed Virified Size Size of The 600 x 90 mm 11.41.A.3 Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the nanufacture) with water absorption less than 0.08% and conforming to 15: 1562, of approved matching pigments etc., complet. Size of The 600 x 600 mm 11.41.2 Providing and laying vitrified tiles in different sizes (thickness to be specified by manufacture), with aver absorption less than 0.08% and conforming to 15: 1562, of approved matching pigments etc., complet. Size of The 600 x 600 mm 11.41.2 Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacture), with vare absorption less than 0.08% and conforming to 15: 1562, of approved matching pigments etc., complet. Size of The 600 x600 mm 11.41.2 Providing and laying form thick faciory made cenent concrete interlocking paver block of M -30 requires and, filing the joints with hime sand etc. all complete as per the direction of Engineer-in-farge. 20 Also progream to ancrete interlocking paver block of M -30 13.52. 13.66.1 24 laying cenent concrete (bill of 1.21 cenent 3 for sand) 21.66.8 analysis filter on the rough side of single or half brick wall of mix: 1:6 (1 cenent 1 for a 24 laying demote by block making matching in port of the proved brand and manufacture to give an 24 laying cenent concrete (bill of the center) of approved brand and manufacture on steel and matching pigments etc. complet. Size of the 600 stops of the proved brand and manufacture on steel and and washabe distromeron apart of approved brand and manu	manufacturely with water absorption less than 0.08% and conforming to 15:1562, of approved prior of the second and sheel, kind or 20 mm thick cenner and anothing preparents the. The tile manue saly (Linzed Vitrified Linzers Leveling system and rubber etc. The tile manue saly (Linzed Vitrified Linzers) evel and sheel, kind or 20 mm thick cenner and anothing preparents etc. The tile manue saly (Linzed Vitrified Linzers) evel and sheels. Alid or 20 mm thick cenner and anothing the premers and shades, lind or 20 mm thick cenner and anothing the second and a conforming to 15: 1562; of approved make, in all olours and shades, lind or 20 mm thick cenner and anothing the premers and shades. Jind or 20 mm thick cenners that of the second make, in all olours and shades. Jind or 20 mm thick cenners that (Linzers) even and shades, lind or 20 mm thick cenners that (Linzers) even and shades. Jind or 20 mm thick cenners that (Linzers) even and shades. Jind or 20 mm thick cenners that (Linzers) even and shades. Jind or 20 mm thick cenners that (Linzers) even and the second transe of 21 (Linzers) and the second transe that (Linzers) and the second transe transe that (Linzers) and the second transe transe that (Linzers) and the second transe tra	manufacturely with water absorption less than 0.08% and conforming to 15:1562, of approved to the second matching pigments the The tiles matter between the hick centern at manufacture of hick piper, strategic, cities of required hickess, level and second to the second matching pigment second to the matching the bits with other second to the matching pigment second to th	namber with where absorption less than 0.08% and conforming to 151502. of approved in the second and multicle constraints of 14 (centred in the second and multicle presents devices of the second and multicle constraints of the second and multicle constraints of the second and multicle presents devices of the second and multicle constraints of the second and multicle presents devices of the second and multicle presents devices of the second and multicle second and multic	mandhickory viki water shooptom loss than 0.08% and conforming to B.15.22, of payroed match in an adverse of shooptom (12 events inter) (25.2 kiggan including printing the junts with any events inter) (25.2 kiggan including printing the junts with any events inter) (25.2 kiggan including printing the junts with any events inter) (25.2 kiggan including printing the junts with any events inter) (25.2 kiggan including printing the junts with any event inter and the context over all printing (12 kiggan including printing the junts with any event inter and the context over all printing (12 kiggan including printing the junts with any event inter and the context over all printing (12 kiggan including printing the junts with any event and under shade (12 kiggan including printing the junts with any event and under shade (12 kiggan including printing the junts with any event and under shade (12 kiggan including printing the junts with any event and under shade (12 kiggan including printing the junts with a sevent and printing the junt with a sevent and printing the junts with a sevent and printing the junt with a sevent and printing the junts with any event and printing the junts with any event where the sevent and printing the junts with a sevent and printing the junts with any event where the sevent interval and printing the sevent and

ESTIMATE OF FOR CONSTRUCTION OF ADDITIONAL DORMITORY & STAFF QUARTERS AT JNV KUPWARA, JAMMU AND KASHMIR

Left over work of 0.25 Unit Boys Dormitory with 01 nos warden residence (Double Storey, RCC framed structure), Plinth area 327.00 + 55.00=382.00 Sqm..

	PLUMBING INTERNAL ESTIMATE							
Sl. No.	Description	Amo	unt					
		DSR Items - 2021	NS Items					
1	Sanitary Installation	225,238.75	24,326.00					
2	Water Supply	93,959.60	15,210.00					
3	Drainage	45,399.53	2,048.00					
	Total	364,597.88	41,584.00					
	Say in lacs	3.65	0.42					

	ESTIMATI	E OF FOR CONSTRUCTION OF ADDITIONAL DORMITORY & STAFF Q	UARTERS A	AT JNV K	UPWARA, JA	AMMU AND KASH	IMIR
		PLUMBING INTERNAL ESTIM					
L	eft over worl	k of 0.25 Unit Boys Dormitory with 01 nos warden residence (Double Storey, R	CC framed	structure),	Plinth area 3	527.00 + 55.00=382.0)0 Sqm
				-		T	
S.No.	DSR '21	Description	Qty	Unit	Rate	Amou	
						DSR-2021	MR
		Sub Head – I Sanitary Installation					
		Providing and fixing water closet squatting pan (Indian type W.C. pan) with					
		100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing					
1.1		cistern, including flush pipe, with manually controlled device (handle lever)					
		conforming to IS : 7231, with all fittings and fixtures complete, including					
	17.1	cutting and making good the walls and floors wherever required:.					
		White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with					
	17.1.1	integral type foot rests.	6	each	6,767.40	40,604.40	
		Providing and fixing white vitreous china pedestal type water closet (European					
		type) with seat and lid, 10 litre low level white vitreous china flushing cistern					
		& C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow					
1.2		arrangement with specials of standard make and mosquito proof coupling of					
		approved municipal design complete, including painting of fittings and					
		brackets, cutting and making good the walls and floors wherever required :					
	17.3						
	17.3.1	W.C. pan with ISI marked white solid plastic seat and lid	1	each	8,006.60	8,006.60	
		Providing and fixing floor mounted, white vitreous china single piece, double					
		traps syphonic water closet of approved brand/make, shape, size and pattern					
		including integrated white vitreous china cistern of capacity 10 litres with dual					
1.3		flushing system, including all fittings and fixtures with seat cover, cistern					
		fittings, nuts, bolts and gasket etc including making connection with the					
		existing P/S trap, complete in all respect as per directions of Engineer-in-					
	17.81	Charge.	0	each	18,212.90	-	
		Providing and fixing white vitreous china battery based infrared sensor					
		operated urinal of approx. size 610 x 390 x 370 mm having pre & post					
1.4		flushing with water (250 ml & 500 ml consumption), having water inlet from					
		back side, including fixing to wall with suitable brackets all as per					
	17.80	manufacturers specification and direction of Engineer-in-charge.	0	each	7,979.20	-	
		Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar					
1.5		taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings					
	17.7	and brackets, cutting and making good the walls wherever require:					

1.5.1		White Vitreous China Wash basin size 550x400 mm					
	17.7.3	with a pair of 15 mm C.P. brass pillar taps	1	each	2,301.75	2,301.75	
		Providing and fixing white vitreous china wash basin under counter basin,					
		with C.I. concealed type brackets fixed to walls with GI rag bolts or approved					
		fasteners etc., including 32 mm CP brass waste coupling, including painting					
1.6		of fittings and brackets, cutting and making good the walls wherever required					
		all complete (Granite counter top will be measured and paid separately under					
		relevent item): as per approved make and decision of engineer-in-charge					
	NSI-1		0	each	4,689.00		-
1.7	17.34	Providing and fixing toilet paper holder :					
	17.34.1	C.P. brass	1	each	803.70	803.70	
		Providing and fixing CP brass auto closing system basin pillar tap / hand					
1.8		wash of Jaquar PRS - 001 or Equivalent as approved by Engineer- In					
	NSI-2	Charge	1	each	5,092.00		5,092.00
		Providing and fixing CP brass single lever basin mixer without popo with					
1.9		450mm long braided hose (connection pipe) basin pillar tap of Jaquar LYR-					
1.9		38001B or Equivalent as approved by Engineer- In Charge.					
	NSI-3		1	each	7,406.00		7,406.00
1.10		Providing and fixing 32mm C.P brass bottle Trap of approved quality & make					
1.10	17.22A	as per the direction of engineer-in-incharge.	1	each	1,034.80	1,034.80	
		Providing and fixing 600x450 mm beveled edge mirror of superior glass (of					
1.11		approved quality) complete with 6 mm thick hard board ground fixed to					
	17.31	wooden cleats with C.P. brass screws and washers complete.	1	Sqm	1,607.95	1,607.95	
		Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS :					
1.12		13983 with C.I. brackets and stainless steel plug 40 mm, including painting of					
1.12		fittings and brackets, cutting and making good the walls wherever					
	17.10	required :					
	17.10.1	Kitchen sink with drain board					
	17.10.1.1	510x1040 mm bowl depth 250mm	1	each	6945.60	6,945.60	
	17.10.2	Kitchen sink without drain board					
	17.10.2.2	610x460 mm bowl depth 200 mm	0	each	3,873.80	-	
		Providing and fixing white vitreous china laboratory sink with C.I. brackets,					
1.13		C.P. brass chain with rubber plug, 40 mm C.P brass waste and 40mm C.P.					
1.15		brass trap with necessary C.P. brass unions complete, including painting of					
	17.11	fittings and brackets, cutting and making good the wall wherever required :					
	17.11.1	Size 450x300x150 mm	0	each	5,020.85	-	
1.14		Providing and fixing P.V.C. waste pipe for sink or wash basin including					
1.14	17.28	P.V.C. waste fittings complete.					
	17.28.2	Flexible pipe					

	17.28.2.2	40 mm dia	1	each	119.55	119.55	
1.15	17.35	Providing and fixing soil, waste and vent pipes :					
	17.35.1	100 mm dia					
		Hubless centrifugally cast (spun) iron pipes epoxy coated inside & outside					
	17.35.1.3	IS:15905	60	meter	1,169.30	70,158.00	
1.16		Providing and fixing bend of required degree with access door, insertion					
1.10	17.38	rubber washer 3 mm thick, bolts and nuts complete.					
	17.38.1	100 mm					
		Hubless centrifugally cast (spun) iron epoxy coated inside & outside I.S.					
	17.38.1.3	15905	2	each	567.20	1,134.40	
1.17	17.39	Providing and fixing plain bend of required degree.					
	17.39.1	100 mm					
		Hubless centrifugally cast (spun) iron pipe epoxy inside & outside IS: 15905					
	17.39.1.3		2	each	368.00	736.00	
1.18	17.40	Providing and fixing heel rest sanitary bend					
	17.40.1	100 mm dia					
	17.40.1.2	Sand cast iron S&S as per IS - 3989	2	each	548.70	1,097.40	
1.19	17.42	Providing and fixing double equal plain junction of required degree					
	17.42.1	100x100x100x100 mm					
		Hubless centrifugally cast (spun) iron pipe epoxy inside & outside IS: 15905					
	17.42.1.3		2	each	760.70	1,521.40	
1.20		Providing and fixing single equal plain junction of required degree with access					
1.20	17.43	door, insertion rubber washer 3 mm thick, bolts and nuts complete.					
	17.43.1	100x100x100 mm					
	17.43.1.2	sand cast Iron S&S as per IS: 3989	2	each	925.70	1,851.40	
1.21	17.44	Providing and fixing single equal plain junction of required degree					
	17.44.1	100x100x100 mm					
		Hubless centrifugally cast (spun) iron pipe epoxy inside & outside IS: 15905					
	17.44.1.3		6	each	581.45	3,488.70	
1.22	17.56	Providing and fixing terminal guard:					
	17.56.1	100 mm					
		Hubless centrifugally cast (spun) iron pipe epoxy inside & outside IS: 15905					
	17.56.1.3		1	each	427.80	427.80	
1.23		Providing and fixing shielded coupling for Hubless centrifugally cast iron					
	17.57A	pipes					
	17.57A.1	100 mm					
	17.57A.1.1	S S 304 grade coupling with EPDM rubber gasket	6	each	432.05	2,592.30	
1.24		Providing and fixing M.S. stays and clamps for sand cast iron/centrifugally					
	17.59	cast (spun) iron pipes of diameter :					

	17.59.1	100 mm	1	each	139.70	139.70	
		Painting sand cast iron/ centrifugally cast (spun) iron soil, waste vent pipes					
1.25		and fittings with two coats of synthetic enamel paint of any colour such as					
1.25		chocolate grey, or buff etc. over a coat of primer (of approved quality) for new					
	17.65	work :					
	17.65.1	100 mm diameter pipe	40	meter	82.80	3,312.00	
		Providing and fixing M.S. holder-bat clamps of approved design to Sand Cast					
		iron/cast iron (spun) pipe embedded in and including cement concrete blocks					
1.26		10x10x10cm of 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate					
		20mm nominal size) including cost of cutting holes and making good the					
	17.37	walls etc. :					
	17.37.1	100 mm diameter pipe	6	each	362.85	2,177.10	
1.27		Providing and fixing G.I. soil / waste pipes complete with G.I. fittings and					
1.27	18.10	clamps, i/c cutting and making good the walls etc.					
	18.10.4	32 mm dia. nominal bore	20	metre	667.00	13,340.00	
	18.10.5	40 mm dia. nominal bore	10	metre	811.90	8,119.00	
	18.10.6	50 mm dia. nominal bore	20	metre	1,048.35	20,967.00	
		Providing and fixing trap of self cleansing design with screwed down or					
1.28		hinged grating with or without vent arm complete, including cost of cutting					
	17.60	and making good the walls and floors :					
	17.60.1	100 mm inlet and 100 mm outlet					
		Hubless centrifugally cast (spun) iron epoxy					
	17.60.1.3	coated inside & outside as per IS:15905	6	each	854.55	5,127.30	
		Cutting holes up to 15 x 15 cm in R.C.C. floors and roofs for passing drain					
1.29		pipe etc. and repairing the hole after insertion of drain pipe etc. with cement					
1.29		concrete 1:2:4 (1 Cement : 2 course sand : 4 graded stone aggregate 20 mm					
	18.77	nominal size), including finishing complete so as to make it leak proof.	4	each	452.00	1,808.00	
1.30		Providing & fixing in position GI 100x50 elbow floor drain including cost of					
1.50	NSI-4	cutting and making good the walls and floors wherever required.	4	each	1,541.00		6,164.00
1.31		Providing and fixing 125 mm dia S/S grating (with or without hole)for					
1.51	NSI-5	floor or Nahani trap.	4	each	620.00		2,480.00
		Providing and fixing soap dish holder from wall of standard shape with					
1.32		fittings of approved quality with all complete. Make Jaquar - ACN-1131N &					
	NSI-6	Equivalent	1	each	1,159.00		1,159.00
T		Providing and fixing soap dispenser with glass bottle from wall of standard			T		
1.33		shape with fittings of approved quality with all complete. Make Jaquar - ACN					
	NSI-7	1135N & Equivalent	0	each	2,095.00		-

		Providing & fixing 600 mm towel rail long stanless steel from wall face with					
1.34		concealed fittings arrangement of approved quality with all complete. Make					
	NSI-8	Jaquar - CAN-1111SM	1	each	2,025.00		2,025.00
		Providing and fixing PTMT soap Dish Holder having length of 138mm,					
1.35		breadth 102mm, height of 75mm with concealed fitting arrangements,					
	18.65	weighing not less than 106 gms.	0	each	111.45	-	
		Providing and fixing PTMT towel rail complete with brackets fixed to wooden					
136		cleats with CP brass screws with concealed fittings arrangement of approved					
	17.73	quality and colour.					
		600 mm long towel rail with total length of 645 mm, width 78 mm and					
	17.73.2	effective height of 88 mm, weighing not less than 190 gms.	2	each	708.95	1,417.90	
		Making khurras 45x45 cm with average minimum thickness of 5 cm cement					
		concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm					
1.37		nominal size) over P.V.C. sheet 1 m x1 m x 400 micron, finished with 12 mm					
		cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement,					
	12.22	rounding the edges and making and finishing the outlet complete.	2	each	298.25	596.50	
		Providing and fixing on wall face unplasticised Rigid PVC rain water pipes					
1.38		conforming to IS : 13592 Type A, including jointing with seal ring					
1.50		conforming to IS : 5382, leaving 10 mm gap for thermal expansion,					
	12.41	(i) Single socketed pipes.	40	metre	377.40	15,096.00	
		Providing and fixing on wall face unplasticised - PVC moulded fittings/					
1.39		accessories for unplasticised Rigid PVC rain water pipes conforming to IS :					
		13592 Type A, including jointing with seal ring conforming to IS : 5382,					
	12.42	leaving 10 mm gap for thermal expansion.					
	12.42.1	Coupler					
	12.42.1.1	110 mm	40	each	136.15	5,446.00	
	12.42.3	Single tee with door					
	12.42.3.2	110x110x110 mm	2	each	234.15	468.30	
	12.42.5	Bend 87.5°	-				
	12.42.5.2	110 mm	2	each	150.35	300.70	
	12.42.6	Shoe (Plain)	-				
	12.42.6.1	110 mm Shoe	2	each	131.85	263.70	
		Providing and fixing unplasticised -PVC pipe clips of approved design to					
		unplasticised - PVC rain water pipes by means of 50x50x50 mm hard wood					
1.40		plugs, screwed with M.S. screws of required length, including cutting brick					
	10.40	work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making					
	12.43	good the wall etc. complete.			251.20	2 2 2 2 2 2 2 2	
	12.43.2	110 mm	6	each	371.30	2,227.80	

1.41		Supplying and fixing of HDPE pipe (PE grade 63 - PN-8) confirming to IS 14333-1996 chemical waste pipes jointed with rubber ring with good quality lubricant with fittings inclussive of all necessary specials like bends, tees, offsets, junctions etc laid under floor/under ceiling/on walls with suitable clamps and specials curing, necessary chasing, jointing and restoring to original conditions, testing etc. including all other incidental charges etc.					
	NSI-9	complete for successful completion of work as per specifications, and as directed by Engineer -in- Charge.					
	a)	110 mm outer dia	0	metre	1,543.00		
	a) b)	50 mm outer dia	0	metre	558.00		-
	0)	Providing & fixing in position upvc P"or S" trap of self cleaning design of	0	metre	558.00		_
		following sizes for the embedded areas Making proper connection with					
		chemical sealent joint, cutting chase / hole in floors /slabs and bringing the					
1.42		same in proper condition in cement concrete 1:2:4 mix complete as required.					
		including cost of cutting and making good the walls and floors wherever					
	NSI-10	required.	0	each	627.00		-
		Providing & Fixing water cooler wth stainless steel having storage capacity of					
		80 liter & cooling capacity 60 liter / hour with Reverse osmosis system & ultra					
1.43		voilet membrane TDS reduction 90% having automatic back wash system					
		with filteration unit & all other required accessories complete in all respect as					
	NSI-11	per direction of the engineer in charge.	0	each	65,604.00		-
		TOTAL				225,238.75	24,326.00
		Sub Head – II Water Supply					
2.1		Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c					
2.1	18.10	cutting and making good the walls etc.					
		Internal work – Exposed on wall.					
	18.10.2	20 mm nominal outer dia Pipes	15	metre	437.30	6,559.50	
	18.10.3	25 mm nominal outer dia Pipes	10	metre	551.70	5,517.00	
	18.10.4	32 mm nominal outer dia Pipes	10	metre	667.00	6,670.00	
	18.10.5	40 mm nominal outer dia Pipes	10	metre	811.90	8,119.00	
	18.10.6	50 mm nominal outer dia Pipes	10	metre	1,048.35	10,483.50	
	NSI-12a	65 mm nominal outer dia Pipes	0	metre	1,084.00		-
	NSI-12b	80 mm nominal outer dia Pipes	0	metre	1,276.00		-

		Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having					
		thermal stability for hot & cold water supply, including all CPVC plain &					
		brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This					
2.2		includes jointing of pipes & fittings with one step CPVC solvent cement and					
		the cost of cutting chases and making good the same including testing of joints					
		complete as per direction of Engineer in Charge.					
	18.8				`		
		Concealed including cutting chases and making good the wall etc.					
	18.8.2	15 mm nominal outer dia Pipes	10	metre	537.60	5,376.00	
	18.8.3	20 mm nominal outer dia Pipes	10	metre	627.25	6,272.50	
	18.8.4	25 mm nominal outer dia Pipes	5	metre	739.30	3,696.50	
		Providing and fixing gun metal gate valve with C.I. wheel of approved quality					
2.3	18.17	(screwed end):					
	18.17.1A	20 mm dia. nominal bore	1	each	539.95	539.95	
	18.17.1	25 mm dia. nominal bore	2	each	622.40	1,244.80	
	18.17.2	32 mm dia. nominal bore	2	each	689.60	1,379.20	
	18.17.3	40 mm dia. nominal bore	1	each	826.10	826.10	
	18.17.4	50 mm dia. nominal bore	1	each	1,026.65	1,026.65	
2.4		Providing and fixing ball valve (brass) of approved quality, High or low					
2.4	18.18	pressure, with plastic floats complete :					
	18.18.3	25 mm nominal bore	1	each	464.05	464.05	
2.5		Providing and fixing hand held ablution fitting (health faucet) with 1.2 meter					
2.3	NSI-13	long flexible tube and wall hook, all complete approved engineer-in-charge	1	each	2,373.00		2,373.00
2.6		Supply and fixing of 15mm CP brass 2 -Way Bib Cock with wall flange and					
2.0	NSI-14	suitable length CP brass extension pipe all of approved engineer-in-charge	3	each	2,654.00		7,962.00
		Providing and placing on terrace (at all floor levels) polyethylene water					
2.7		storage tank, IS : 12701 marked, with cover and suitable locking arrangement					
2.7		and making necessary holes for inlet, outlet and overflow pipes but without					
	18.48	fittings and the base support for tank	2,500	per litre	11.00	27,500.00	
2.8		Providing and fixing C.P. brass long nose bib cock of approved quality					
2.0	18.51	conforming to IS standards and weighing not less than 810 gms.					
	18.51.1	15 mm nominal bore	0	each	796.95	-	
2.9	4.0	Providing and fixing C.P. brass stop cock (concealed) of standard design and					
2.>	18.52	of approved make conforming to IS:8931.					
	18.52.1	15 mm nominal bore	0		670.45	-	
2.10		Providing and fixing C.P. brass angle valve for basin mixer and geyser points					
	18.53	of approved quality conforming to IS:8931					
	18.53.1	15mm nominal bore	2	each	574.30	1,148.60	
2.11	18.21	Providing and fixing uplasticised PVC connection pipe with brass unions :					

	18.21.2	45 cm length					
	18.21.2.1	15 mm nominal bore	2	each	97.75	195.50	
2.12	18.22	Providing and fixing C.P. brass shower rose with 15 or 20 mm inlet :					
	18.22.2	150 mm diameter	0	each	222.35	-	
A 10		Providing and fixing CP Brass Single lever telephonic wall mixer of quality &					
2.13	17.22B	make as approved by Engineer in charge.					
		(a) 15 mm nominal dia	1	each	6,940.75	6,940.75	
		Providing, Fixing, testing and commissioning of CP Brass 150 mm x 150					
2.14		mm Shower head with wall flange with all accessories as required and					
2.14		making good the walls wherever required. (MAKE-JAQUAR -Model No-					
	NSI-15	OHS-35495 or EQUIVALENT.)	1	each	4,875.00		4,875.00
		Supply ,Erection , Testing & Commissioning of Automatic water level control					
		panel & related accessories for pumping automation with consisting of					
2.15		automatic water level controller , level sensor with stainless steel probe,					
		motorized butterfly valve, motorized valve controller with complete in all					
	NSI-16	respect.					
	a	upto 50 mm dia. nominal bore	0	each	26,947.00		-
		TOTAL				93,959.60	15,210.00
		SUBHEAD – III Drainage					
		Supply and fixing HDPE double wall corrugated (DWC) I.S 16098 (Part - 2					
) 3013 for soil / waste pipe under ground drainage system with jointed with					
3.1		rubber ring with good quality lubricant for fittings, inclusive of all necessary					
5.1		specials like bends, tees, offsets, junctions, re excavtion and refillig etc					
		complete.					
	NSI-17						
	a	150 mm diameter	2	metre	1,024.00		2,048.00
	b	200 mm diameter	0	metre	1,298.00		-
		Providing and fixing square-mouth S.W. gully trap class SP-1 complete with					
3.2		C.I. grating brick masonry chamber with water tight C.I. cover with frame of					
		300 x300 mm size (inside) the weight of cover to be not lessthan 4.50 kg and					
	19.4	frame to be not less than 2.70 kg as per standard design :					
	19.4.3	180x150 mm size P type					
	19.4.3.1	With fly ash bricks (non modular) bricks of class designation 7.5	2	each	2,802.15	5,604.30	
		Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes					
3.3		with collars jointed with stiff mixture of cement mortar in the proportion of					
	10.0	1:2 (1 cement : 2 fine sand) including testing of joints etc. complete :					
	19.6		20		556.45	11 120 00	
	19.6.2	150 mm dia. R.C.C. pipe	20	metre	556.45	11,129.00	
	19.6.3	250 mm dia. R.C.C. pipe	0	metre	899.80	-	

	19.6.4	300 mm dia. R.C.C. pipe	0	metre	994.30	-	
		Constructing brick masonry manhole in cement mortar 1:4 (1 cement :4					
		coarse sand) with RCC top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4					
		stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1					
		cement : 4 coarse sand : 8 stone aggregate 40 mm nominal size) inside					
24		plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand)					
3.4		finished with a floating coat of neat cement, foundation cocreate 1:3:6 mix (1					
		cement :3 coarse sand : 6 graded stone aggregate 40 mm norminal size),and					
		making necessary channel in cement concrete 1:2:4 (1 cement :2 coarse sand					
		:4 graded stone aggregate 20 mm norminal size) finished with a floating coat					
	19.7	of neat cement complete as per standard design.					
		inside size 90x80 cms and 45 cms deep including CI cover with frame (light					
		duty) 455x610 mm internal dimensions total weight of cover & frame to be					
	19.7.1	not less than 38 kg (weight of cover 23 kg & weight of frame 15 kg)					
		with common brunt clay FPS (non modular) bricks of class designation 7.5					
	19.7.1.1		1.00	Each	12,770.55	12,770.55	
3.5	19.8	Extra depth for manhole 90x80 cm					
	19.8.1.1	With FPS bricks class designation 7.5	0.20	Metre	8,825.40	1,765.08	
3.6	19.16		4.00	Each	553.70	2,214.80	
		Constructing brick masonry road gully chamber 50x45x60 cm with bricks in					
3.7		cement mortar 1:4 (1 cement : 4 coarse sand) including 500x450 mm pre-cast					
	19.27	R.C.C. horizontal grating with frame complete as per standard design :					
		With common burnt clay F.P.S. (non modular) bricks of class designation 7.5					
	19.27.1		2.00	Each	5,957.90	11,915.80	
		TOTAL				45,399.53	2,048.00

ESTIMATE OF FOR CONSTRUCTION OF ADDITIONAL DORMITORY & STAFF QUARTERS AT JNV KUPWARA, JAMMU AND KASHMIR

Left over work of 0.25 Unit Boys Dormitory with 01 nos warden residence (Double Storey, RCC framed structure), Plinth area 327.00 + 55.00=382.00 Sqm..

	Girls Dormitory Electrical work	X	
Sl.No.	Name of Work	TOTAL AMOU	NT(IN RS.)
51.110.		DSR-2022	MR
Ι	SUB HEAD - I: CIRCUIT CUM POINT WIRING	299,137.00	23,574.43
II	SUBHEAD -II - FITTINGS & FIXTURES	65,520.00	73,922.25
III	SUBHEAD - III - DISTRIBUTION BOARDS	77,469.00	-
IV	SUB HEAD-IV , LIGHTNING CONDUCTOR	26,017.00	
	TOTAL	468,143.00	97,496.68
	Say in Lacs	4.68	0.97

ESTIMATE OF FOR CONSTRUCTION OF ADDITIONAL DORMITORY & STAFF QUARTERS AT JNV KUPWARA, JAMMU AND KASHMIR **Detailed Estimate for ELECTRICAL Works** Left over work of 0.25 Unit Boys Dormitory with 01 nos warden residence (Double Storey, RCC framed structure), Plinth area 327.00 + 55.00=382.00 Sqm.. DSR-S.No. Description 2022/NSI Unit Qty Rate Amount DSR-2022 DSR-2022 NSI NSI SUB HEAD - I: CIRCUIT CUM POINT WIRING SWITCH CONTROL LIGHT POINTS Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium 1 **DSR 1.10** class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required Group C 1.1 DSR 1.10.3 Point 80 1,467.00 117,360.00 Wiring for group controlled (looped) light point/fan point/exhaust fan point/ call bell point (without Independent switch etc.) with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed PVC conduit, and 2 DSR-1.55 earthing the point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable etc as required. (Switch Control Secondary Points) Point 858.00 5,148.00 6 Group C DSR-1.55.3 2.1 Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel **DSR-1.3** 3 conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required. (Switch Control Primary Points) 3.1 DSR-1.3.3 Group C Point 0 1,845.00 Wiring for group controlled (looped) light point/fan point/exhaust fan point/ call bell point (without Independent switch etc.) with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit, and earthing DSR-1.54 4 the point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable etc as required. (Switch Control Secondary Points) DSR-1.54.3 4.1 0 1,094.00 Group C Point MCB CONTROL LIGHT POINTS Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel 5 NSI-1 conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc as required. (Switch Control Primary Points) 5.1 Point 1,523.13 3,046.25 **NSI-1.1** Primary point controlled by one MCB. 2 Same as item above but Secondary point. i.e. Points to be looped with Primary point 5.2 **NSI-1.2** 1,354.89 Point 2 2,709.79 with 2.5 sqmm wire and Point wiring Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit alongwith 1 No. 4 sq. mm FRLS 6 **DSR 1.5** PVC insulated copper conductor single core cable for loop earthing as required. Metre 433.00 80 34,640.00 Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of **DSR 1.7** 7 FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required. DSR 1.7.1 2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire DSR 1.7.2 2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire 327.00 7.1 2,616.00 Metre 8 7.2 250 92,250.00 Metre 369.00 **DSR 1.7.4** 2 X 6 sq. mm + 1 X 6 sq. mm earth wire 7.3 Metre 40 589.00 23,560.00 **DSR 1.7.7** 2 X 0 sq. mm + 1 x 10 sq.mm earth wire **DSR 1.7.5** 2 x 10 sq. mm + 1 x 10 sq.mm earth wire **DSR 1.7.6** 4 X 10 sq. mm + 2 X 6 sq. mm earth wire 7.4 0 710.00 Metre 7.5 DSR 1.7.10 5 1,166.00 5,830.00 Metre 4 X 16 sq. mm + 2 X 6 sq. mm earth wire 7.6 DSR 1.7.11 5 1,645.00 Metre 8.225.00 Supplying and fixing suitable size GI box with modular plate and cover in front on DSR 1.31 8 surface or in recess including providing and fixing 3 pin 5/6 Amp modular socket outlet and 5/6 A modular switch, connection etc. as required. Each 477.00 2,862.00 6 Supply and Wiring for 250 volts single phase and neutral 2 Nos 6 amps socket outlate with control by 1 No switched with 2.5 sq.mm PVC insulated copper conductor 1100 volts grade stranded flexible FRLS wires in concealed or surface mounted 25 mm dia 2mm thick PVC conduit including providing and fixing of 6 9 NSI-2 amps 3 pin switch socket outlet of aprpoved make and design in 2 mm thick GI box

Each 10

Each

1.782

586.00

17,818.39

3,516.00

with grid plate and earthing of third pin of the socket with 2.5 Sq. mm PVC insulated copper conductor stranded flexible FRLS wire (maximum four no. of

Supplying and fixing suitable size GI box with modular plate and cover in front or surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 A modular

socket outlet and 15/16 A modular switch, connections etc. as required.

switches socket shall be connected on one circuit)

DSR 1.32

10

11	NSI-3	Supplying and fixing 63 A, 415 V, TPN Industrial type socket outlet, with 4 pole and earth, metal enclosed plug top alongwith 63 A "C" curve, TPMCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket outlet and complete with connections, testing and commissioning etc. as required.		0		11,284.98		_
12	NSI-4	Supplying and fixing 80 A, 415 V, TPN Industrial type socket outlet, with 4 pole and earth, metal enclosed plug top alongwith 80 A "C" curve, TPMCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket outlet and complete with connections, testing and commissioning etc. as required.				11,201190		
			Each	0		17,343.23		-
13	DSR-1.33	Supplying and fixing 3 pin, 5 A ceiling rose on the existing junction box/ wooden						
15	DSK-1.55	block including connections etc. as required.	Each	10	87.00		870.00	
14	DSR-1.57	Supplying & fixing suitable size GI box wih modular plate and cover in front on surface or in recess i/c providing and fixing 25 amp modular socket outlet and 25 Amps modular SP MCB, "C" curve including connection, painting etc. as required. (AC's & Gysers)	Each	2	727.00		1,454.00	
15	DSR 1.24	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.						
15.1	DSR 1.24.6	Telephone socket outlet	Nos	1	148.00		148.00	
		Supplying and fixing following size/ modules, GI box alongwith modular base &						
16	DSR 1.27	cover plate for modular switches in recess etc. as required. 1 or 2 Module (75mmX75mm)						
16.1	DSR 1.27.1		Nos	0	298.00		-	
16.2	DSR 1.27.4	6 module (78mm X 205 mm X 50 mm)	Nos	0	402.00		-	
17	DSR 1.24	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required.						
17.1	DSR 1.24.4	3 pin , 5/6 amps socket outlet	Each	0	122.00			
17.1	DSR 1.24.1	5/6 amps switch					-	
			Each	0	103.00		-	
18	DSR 1.21	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.						
18.1	DSR 1.21.2	25 mm	Mtr	2	145.00		290.00	
		32 mm						
18.2	DSR 1.21.3	32 1111	Mtr	2	184.00		368.00	
18.2	DSR 1.21.3	TOTAL CARRIED TO SUMMARY FOR SUBHEAD - I	Mtr	2	184.00		368.00 299,137.00	23,574.43
18.2	DSR 1.21.3	TOTAL CARRIED TO SUMMARY FOR SUBHEAD - I	Mtr	2	184.00			23,574.43
		TOTAL CARRIED TO SUMMARY FOR SUBHEAD - I SUBHEAD -II - FITTINGS & FIXTURES			184.00	1 158 20		23,574.43
1	NSI-1	TOTAL CARRIED TO SUMMARY FOR SUBHEAD - I SUBHEAD -II - FITTINGS & FIXTURES Supply, Installation, Testing and Commissioning of 10 W Bulk head Light.	Each	0	184.00	1,158.20		-
		TOTAL CARRIED TO SUMMARY FOR SUBHEAD - I SUBHEAD -II - FITTINGS & FIXTURES Supply, Installation, Testing and Commissioning of 10 W Bulk head Light. Supply, Installation, Testing and Commissioning of 5W Mirror Light.			184.00	1,158.20 445.46		
1	NSI-1	TOTAL CARRIED TO SUMMARY FOR SUBHEAD - I SUBHEAD -II - FITTINGS & FIXTURES Supply, Installation, Testing and Commissioning of 10 W Bulk head Light.	Each	0	184.00			-
 	NSI-1 NSI-2	TOTAL CARRIED TO SUMMARY FOR SUBHEAD - I SUBHEAD -II - FITTINGS & FIXTURES Supply, Installation, Testing and Commissioning of 10 W Bulk head Light. Supply, Installation, Testing and Commissioning of 5W Mirror Light. Supply, Installation, Testing and Commissioning of 18W Surface/Recessed Mounted	Each	0		445.46		-
1 2 3	NSI-1 NSI-2 NSI-3	TOTAL CARRIED TO SUMMARY FOR SUBHEAD - 1 SUBHEAD -II - FITTINGS & FIXTURES Supply, Installation, Testing and Commissioning of 10 W Bulk head Light. Supply, Installation, Testing and Commissioning of 5W Mirror Light. Supply, Installation, Testing and Commissioning of 18W Surface/Recessed Mounted LED circular Downlighter. Supply, Installation, Testing and Commissioning of 18/20W Wall/Surface mouted 4	Each Each Each	0		445.46		
1 2 3 4	NSI-1 NSI-2 NSI-3 NSI-4	TOTAL CARRIED TO SUMMARY FOR SUBHEAD - I SUBHEAD -II - FITTINGS & FIXTURES Supply, Installation, Testing and Commissioning of 10 W Bulk head Light. Supply, Installation, Testing and Commissioning of 5W Mirror Light. Supply, Installation, Testing and Commissioning of 18W Surface/Recessed Mounted LED circular Downlighter. Supply, Installation, Testing and Commissioning of 18/20W Wall/Surface mouted 4 ft. LED Supply, Installation, Testing and Commissioning of 15W Surface mouted LED	Each Each Each Each	0 20 1		445.46		
1 2 3 4 5	NSI-1 NSI-2 NSI-3 NSI-4 NSI-5	TOTAL CARRIED TO SUMMARY FOR SUBHEAD - 1 SUBHEAD -II - FITTINGS & FIXTURES Supply, Installation, Testing and Commissioning of 10 W Bulk head Light. Supply, Installation, Testing and Commissioning of 5W Mirror Light. Supply, Installation, Testing and Commissioning of 18W Surface/Recessed Mounted LED circular Downlighter. Supply, Installation, Testing and Commissioning of 18/20W Wall/Surface mouted 4 ft. LED Supply, Installation, Testing and Commissioning of 18/20W Wall/Surface mouted 4 ft. LED Supply, Installation, Testing and Commissioning of 15W Surface mouted LED Supply, Installation, Testing and Commissioning of 15W Surface mounted LED	Each Each Each Each Each Each	0 0 20 1 5		445.46 1,470.02 1,336.38 1,380.93		
1 2 3 4 5 6	NSI-1 NSI-2 NSI-3 NSI-4 NSI-5 NSI-6	TOTAL CARRIED TO SUMMARY FOR SUBHEAD - 1 SUBHEAD -II - FITTINGS & FIXTURES Supply, Installation, Testing and Commissioning of 10 W Bulk head Light. Supply, Installation, Testing and Commissioning of 5W Mirror Light. Supply, Installation, Testing and Commissioning of 18W Surface/Recessed Mounted LED circular Downlighter. Supply, Installation, Testing and Commissioning of 18/20W Wall/Surface mouted 4 ft. LED Supply, Installation, Testing and Commissioning of 15W Surface mounted LED square Downlighter. Supply, Installation, Testing and Commissioning of 15W Surface mounted LED square Downlighter. Supply, Installation, Testing and Commissioning of 150 W CHANDELIER Supply, Installation, Testing and Commissioning of 12/9W Recessed mounted LED circular Downlighter. Supply, Installation, Testing and Commissioning of 12/9W Recessed mounted LED circular Downlighter. Supply, Installation, Testing and Commissioning of 9W (Nominal) Wall Bracket	Each Each Each Each Each Each Each	0 0 20 1 5 0 20		445.46 1,470.02 1,336.38 1,380.93 89,091.94 1,069.10		- - 29,400.34 1,336.38 6,904.63 - 21,382.06
1 2 3 4 5 6 7	NSI-1 NSI-2 NSI-3 NSI-4 NSI-5 NSI-5 NSI-6 NSI-7	TOTAL CARRIED TO SUMMARY FOR SUBHEAD - 1 SUBHEAD -II - FITTINGS & FIXTURES Supply, Installation, Testing and Commissioning of 10 W Bulk head Light. Supply, Installation, Testing and Commissioning of 5W Mirror Light. Supply, Installation, Testing and Commissioning of 18W Surface/Recessed Mounted LED circular Downlighter. Supply, Installation, Testing and Commissioning of 18/20W Wall/Surface mouted 4 ft. LED Supply, Installation, Testing and Commissioning of 15W Surface mouted LED Square Downlighter. Supply, Installation, Testing and Commissioning of 15W Surface mounted LED Square Downlighter. Supply, Installation, Testing and Commissioning of 150 W CHANDELIER Supply, Installation, Testing and Commissioning of 12/9W Recessed mounted LED circular Downlighter. Supply, Installation, Testing and Commissioning of 12/9W Recessed mounted LED circular Downlighter. Supply, Installation, Testing and Commissioning of 9W (Nominal) Wall Bracket Light	Each Each Each Each Each Each Each	0 0 20 1 5 0		445.46 1,470.02 1,336.38 1,380.93 89,091.94		
1 2 3 4 5 6 7	NSI-1 NSI-2 NSI-3 NSI-4 NSI-5 NSI-6 NSI-7	TOTAL CARRIED TO SUMMARY FOR SUBHEAD - 1 SUBHEAD -II - FITTINGS & FIXTURES Supply, Installation, Testing and Commissioning of 10 W Bulk head Light. Supply, Installation, Testing and Commissioning of 5W Mirror Light. Supply, Installation, Testing and Commissioning of 18W Surface/Recessed Mounted LED circular Downlighter. Supply, Installation, Testing and Commissioning of 18/20W Wall/Surface mouted 4 ft. LED Supply, Installation, Testing and Commissioning of 15W Surface mounted LED square Downlighter. Supply, Installation, Testing and Commissioning of 15W Surface mounted LED square Downlighter. Supply, Installation, Testing and Commissioning of 150 W CHANDELIER Supply, Installation, Testing and Commissioning of 12/9W Recessed mounted LED circular Downlighter. Supply, Installation, Testing and Commissioning of 12/9W Recessed mounted LED circular Downlighter. Supply, Installation, Testing and Commissioning of 9W (Nominal) Wall Bracket	Each Each Each Each Each Each Each	0 0 20 1 5 0 20	184.00	445.46 1,470.02 1,336.38 1,380.93 89,091.94 1,069.10		- - - 29,400.34 1,336.38 6,904.63 - 21,382.06
1 2 3 4 5 6 7 8	NSI-1 NSI-2 NSI-3 NSI-3 NSI-4 NSI-5 NSI-5 NSI-6 NSI-7	TOTAL CARRIED TO SUMMARY FOR SUBHEAD - 1 SUBHEAD -II - FITTINGS & FIXTURES Supply, Installation, Testing and Commissioning of 10 W Bulk head Light. Supply, Installation, Testing and Commissioning of 5W Mirror Light. Supply, Installation, Testing and Commissioning of 18W Surface/Recessed Mounted LED circular Downlighter. Supply, Installation, Testing and Commissioning of 18/20W Wall/Surface mouted 4 ft. LED Supply, Installation, Testing and Commissioning of 15W Surface mounted LED Square Downlighter. Supply, Installation, Testing and Commissioning of 150 W CHANDELIER Supply, Installation, Testing and Commissioning of 12/9W Recessed mounted LED circular Downlighter. Supply, Installation, Testing and Commissioning of 12/9W Recessed mounted LED circular Downlighter. Supply, Installation, Testing and Commissioning of 1200 mm sweep, BEE 5 star rated, ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. blades, 30 cm long down rod, 2nos. canopies, shackle kit, safety rope, copper winding, Power Factor not less than 0.9, Service Value (CM/M/W) minimum 6.00, Air delivery minimum 210 Cum/Min , 350 RPM (tolerance as per IS : 374-2019),THD less than 10%, remote or electronic regulator unit for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 degree C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC Supply, earthing etc. complete as required.	Each Each Each Each Each Each Each	0 0 20 1 5 0 20 6 6		445.46 1,470.02 1,336.38 1,380.93 89,091.94 1,069.10 222.73	299,137.00	
1 2 3 4 5 6 7 8 8	NSI-1 NSI-2 NSI-3 NSI-3 NSI-4 NSI-4 NSI-5 NSI-6 NSI-7 NSI-8 DSR 1.21	TOTAL CARRIED TO SUMMARY FOR SUBHEAD - 1 SUBHEAD -II - FITTINGS & FIXTURES Supply, Installation, Testing and Commissioning of 10 W Bulk head Light. Supply, Installation, Testing and Commissioning of 5W Mirror Light. Supply, Installation, Testing and Commissioning of 18W Surface/Recessed Mounted LED circular Downlighter. Supply, Installation, Testing and Commissioning of 18/20W Wall/Surface mouted 4 ft. LED Supply, Installation, Testing and Commissioning of 15W Surface mounted LED Square Downlighter. Supply, Installation, Testing and Commissioning of 150 W CHANDELIER Supply, Installation, Testing and Commissioning of 12/9W Recessed mounted LED circular Downlighter. Supply, Installation, Testing and Commissioning of 12/9W Recessed mounted LED circular Downlighter. Supply, Installation, Testing and Commissioning of 9W (Nominal) Wall Bracket Light Supply, Installation, Testing and Commissioning of 1200 mm sweep, BEE 5 star rated, ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. blades, 30 cm long down rod, 2nos. canopies, shackle kit, safety rope, copper winding, Power Factor not less than 0.9, Service Value (CM/M/W) minimum 6.00, Air delivery minimum 210 Cum/Min , 350 RPM (tolerance as per IS : 374-2019),THD less than 10%, remote or electronic regulator unit for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 degree C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 HZ, single phase AC Supply, earthing etc. complete as required.	Each Each Each Each Each Each Each	0 0 20 1 5 0 6		445.46 1,470.02 1,336.38 1,380.93 89,091.94 1,069.10	299,137.00	- - - 29,400.34 1,336.38 6,904.63 - 21,382.06
1 2 3 4 5 6 7 8 8	NSI-1 NSI-2 NSI-3 NSI-3 NSI-4 NSI-4 NSI-5 NSI-6 NSI-7 NSI-8 DSR 1.21	TOTAL CARRIED TO SUMMARY FOR SUBHEAD - 1 SUBHEAD -II - FITTINGS & FIXTURES Supply, Installation, Testing and Commissioning of 10 W Bulk head Light. Supply, Installation, Testing and Commissioning of 5W Mirror Light. Supply, Installation, Testing and Commissioning of 18W Surface/Recessed Mounted LED circular Downlighter. Supply, Installation, Testing and Commissioning of 18/20W Wall/Surface mouted 4 ft. LED Supply, Installation, Testing and Commissioning of 15W Surface mounted LED Square Downlighter. Supply, Installation, Testing and Commissioning of 150 W CHANDELIER Supply, Installation, Testing and Commissioning of 12/9W Recessed mounted LED circular Downlighter. Supply, Installation, Testing and Commissioning of 12/9W Recessed mounted LED circular Downlighter. Supply, Installation, Testing and Commissioning of 1200 mm sweep, BEE 5 star rated, ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. blades, 30 cm long down rod, 2nos. canopies, shackle kit, safety rope, copper winding, Power Factor not less than 0.9, Service Value (CM/M/W) minimum 6.00, Air delivery minimum 210 Cum/Min , 350 RPM (tolerance as per IS : 374-2019),THD less than 10%, remote or electronic regulator unit for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 degree C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC Supply, earthing etc. complete as required.	Each Each Each Each Each Each Each	0 0 20 1 5 0 20 6 6		445.46 1,470.02 1,336.38 1,380.93 89,091.94 1,069.10 222.73	299,137.00	
1 2 3 4 5 6 7 8 8	NSI-1 NSI-2 NSI-3 NSI-3 NSI-4 NSI-4 NSI-5 NSI-6 NSI-7 NSI-8 DSR 1.21	TOTAL CARRIED TO SUMMARY FOR SUBHEAD - 1 SUBHEAD -II - FITTINGS & FIXTURES Supply, Installation, Testing and Commissioning of 10 W Bulk head Light. Supply, Installation, Testing and Commissioning of 5W Mirror Light. Supply, Installation, Testing and Commissioning of 18W Surface/Recessed Mounted LED circular Downlighter. Supply, Installation, Testing and Commissioning of 18/20W Wall/Surface mouted 4 ft. LED Supply, Installation, Testing and Commissioning of 15W Surface mounted LED Square Downlighter. Supply, Installation, Testing and Commissioning of 150 W CHANDELIER Supply, Installation, Testing and Commissioning of 12/9W Recessed mounted LED circular Downlighter. Supply, Installation, Testing and Commissioning of 12/9W Recessed mounted LED circular Downlighter. Supply, Installation, Testing and Commissioning of 1200 mm sweep, BEE 5 star rated, ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: Bupply, Installation, Testing and Commissioning of 1200 mm sweep, BEE 5 star rated, ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: Bupply, Installation, Testing and Commissioning of 1200 mm sweep, BEE 5 star rated, ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: Bupply, Installation, Testing and Commissioning of 1200 mm sweep, BEE 5 star rated, ceiling fan with Brush Less Direct Current (BLDC) Motor, class	Each Each Each Each Each Each Each	0 0 20 1 5 0 20 6 6		445.46 1,470.02 1,336.38 1,380.93 89,091.94 1,069.10 222.73	299,137.00	

	1						
		Supplying and fixing following way, single pole and neutral, sheet steel, MCB					
1	DSR 2.3	distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar,					
		neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)					
1.1	DSR 2.3.1	6 way, Double door	Each	0	2,206.00		
1.2		8 way, Double door	Each	0	2,573.00	-	
1.3		12 way, Double door	Each	0	2,315.00	-	
					,		
		Supplying and fixing following way, three pole and neutral, sheet steel, MCB					
		distribution board, 415 volts, on surface/ recess complete with tinned copper busbar,					
2	DSR 2.4	neutral busbar, earth bar, din bar, detachable gland plate, interconnections,					
		phosphatized and powder painted including earthing etc. as required. (But without					
		MCB/ RCCB/ Isolator)					
2.1		4 way (4 + 12), Double door	Each	0	4,091.00	-	
2.2		6 way (4 + 18), Double door	Each	0	4,974.00	-	
2.3	DSR 2.4.3	8 way (4 + 24), Double door	Each	1	5,967.00	5,967.00	
		Combine of Collocity of Collocity and the Collocation of the Collocati					
		Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 V, TPN MCB distribution board of sheet steel, dust protected, duly powder					
		painted, inclusive of 200 A tinned copper bus bar, common neutral link, earth bar, din					
3	DSR 2.5	bar for mounting MCBs (but without MCBs and incomer) as required . (Note					
Ŭ	D 5 R 2 .5	:Vertical type MCB TPDB is normally used where 3 phase outlets are required.)					
		.vertical type web 11 DB is normany used where 5 phase outlets are required.)					
3.1	DSR 2.5.3	12 way $(4 + 36)$, Double door	Each	4	12,833.00	51,332.00	
		Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature					
4	DSR 2.10	circuit breaker suitable for inductive load of following poles in the existing MCB DB					
"	DSK 2.10	complete with connections, testing and commissioning etc. as required.					
ļ							
4.1	2.10.1	Single Pole	Each	20	256.00	5,120.00	
4.2	2.10.2	Single Pole Neutral	Each	0	599.00		
L							
-	DCD 4 14	Supplying and fixing following rating, double pole, 240 V, isolator in the existing					
5	DSR 2.12	MCB DB complete with connections, testing and commissioning etc. as required.					
		40. 4					
5.1	DSR 2.12.1	40 A	Eash	0	425.00		
⊢		63 A	Each	0	435.00	-	
5.2	DSR 2.12.2	00 A	Each	0	527.00		
	-		Lauli	v	527.00		
		Supplying and fixing following rating, four pole, 415 V, isolator in the existing MCB					
6	DSR 2.13	DB complete with connections, testing and commissioning etc. as required.					
	DODATA	25 A					
6.1	DSR 2.13.1		Each	0	970.00		
61	DSR 2.13.1	40 A					
6.1	DSR 2.13.1		Each	0	970.00	-	
6.2	DSR 2.13.2	63 A					
0.2	DSK 2.13.2		Each	4	1,034.00	4,136.00	
		Supplying and fixing following rating, double pole, (single phase and neutral), 240 V,					
7	DSR 2.14	residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the					
		existing MCB DB complete with connections, testing and commissioning etc. as					
		required.					
7.1	DSR 2.14.1	25 A	Each	0	2 028 00		
	+	40.4	Each	0	2,028.00	-	
7.2	DSR 2.14.2	40 A	Each	0	2,642.00		
	1	63 A	Lacii		2,072.00	-	
7.3	DSR 2.14.3	100 M	Each	4	2,722.00	10,888.00	
<u> </u>	1				_,,00	10,000.00	
	DCD 4 44	Supplying and fixing single pole blanking plate in the existing MCB DB complete etc.	İ				
8	DSR 2.11	as required.	Each	2	13.00	26.00	
	T						
		TOTAL CARRIED TO SUMMARY FOR SUBHEAD - III				77,469.00	-
VI		SUB HEAD-IV, LIGHTNING CONDUCTOR				77,469.00	-
		SUB HEAD-IV , LIGHTNING CONDUCTOR LIGHTNING CONDUCTOR				77,469.00	-
VI	6.2	SUB HEAD-IV, LIGHTNING CONDUCTOR LIGHTNING CONDUCTOR Providing and fixing of lightning conductor finial, made of 25 mm dia 300 mm long,				77,469.00	-
	6.2	SUB HEAD-IV, LIGHTNING CONDUCTOR LIGHTNING CONDUCTOR Providing and fixing of lightning conductor finial, made of 25 mm dia 300 mm long, G.I. tube, having single prong at top, with 85 mm dia 6 mm thick G.I. base plate	E-1	1.0	510.00		-
	6.2	SUB HEAD-IV, LIGHTNING CONDUCTOR LIGHTNING CONDUCTOR Providing and fixing of lightning conductor finial, made of 25 mm dia 300 mm long,	Each	1.0	518.00	518.00	-
1		SUB HEAD-IV, LIGHTNING CONDUCTOR LIGHTNING CONDUCTOR Providing and fixing of lightning conductor finial, made of 25 mm dia 300 mm long, G.I. tube, having single prong at top, with 85 mm dia 6 mm thick G.I. base plate including holes etc. complete as required.	Each	1.0	518.00		-
	6.2	SUB HEAD-IV, LIGHTNING CONDUCTOR LIGHTNING CONDUCTOR Providing and fixing of lightning conductor finial, made of 25 mm dia 300 mm long, G.I. tube, having single prong at top, with 85 mm dia 6 mm thick G.I. base plate including holes etc. complete as required. Fixing of lightning conductor finial (single prong) with base plate including holes etc.				518.00	-
1		SUB HEAD-IV, LIGHTNING CONDUCTOR LIGHTNING CONDUCTOR Providing and fixing of lightning conductor finial, made of 25 mm dia 300 mm long, G.I. tube, having single prong at top, with 85 mm dia 6 mm thick G.I. base plate including holes etc. complete as required.	Each	1.0	518.00		-
2	6.3	SUB HEAD-IV, LIGHTNING CONDUCTOR LIGHTNING CONDUCTOR Providing and fixing of lightning conductor finial, made of 25 mm dia 300 mm long, G.I. tube, having single prong at top, with 85 mm dia 6 mm thick G.I. base plate including holes etc. complete as required. Fixing of lightning conductor finial (single prong) with base plate including holes etc. complete as required.				518.00	-
1		SUB HEAD-IV, LIGHTNING CONDUCTOR LIGHTNING CONDUCTOR Providing and fixing of lightning conductor finial, made of 25 mm dia 300 mm long, G.I. tube, having single prong at top, with 85 mm dia 6 mm thick G.I. base plate including holes etc. complete as required. Fixing of lightning conductor finial (single prong) with base plate including holes etc. complete as required. Jointing copper / G.I. tape (with another copper/ G I tape, base of the finial or any				518.00	-
2	6.3	SUB HEAD-IV, LIGHTNING CONDUCTOR LIGHTNING CONDUCTOR Providing and fixing of lightning conductor finial, made of 25 mm dia 300 mm long, G.I. tube, having single prong at top, with 85 mm dia 6 mm thick G.I. base plate including holes etc. complete as required. Fixing of lightning conductor finial (single prong) with base plate including holes etc. complete as required.		1.0		518.00	-
2	6.3	SUB HEAD-IV, LIGHTNING CONDUCTOR LIGHTNING CONDUCTOR Providing and fixing of lightning conductor finial, made of 25 mm dia 300 mm long, G.I. tube, having single prong at top, with 85 mm dia 6 mm thick G.I. base plate including holes etc. complete as required. Fixing of lightning conductor finial (single prong) with base plate including holes etc. complete as required. Jointing copper / G.I. tape (with another copper/ G I tape, base of the finial or any	Each	1.0	360.00	518.00	-
2	6.3	SUB HEAD-IV, LIGHTNING CONDUCTOR LIGHTNING CONDUCTOR Providing and fixing of lightning conductor finial, made of 25 mm dia 300 mm long, G.I. tube, having single prong at top, with 85 mm dia 6 mm thick G.I. base plate including holes etc. complete as required. Fixing of lightning conductor finial (single prong) with base plate including holes etc. complete as required. Jointing copper / G.I. tape (with another copper/ G I tape, base of the finial or any	Each	1.0	360.00	518.00	-
1 2 3	6.3	SUB HEAD-IV, LIGHTNING CONDUCTOR LIGHTNING CONDUCTOR Providing and fixing of lightning conductor finial, made of 25 mm dia 300 mm long, G.I. tube, having single prong at top, with 85 mm dia 6 mm thick G.I. base plate including holes etc. complete as required. Fixing of lightning conductor finial (single prong) with base plate including holes etc. complete as required. Jointing copper / G.I. tape (with another copper/ G I tape, base of the finial or any other metallic object) by riveting / nut bolting/ sweating and soldering etc as required.	Each	1.0	360.00	518.00	-
1 2 3 4	6.3 6.4 6.7	SUB HEAD-IV, LIGHTNING CONDUCTOR LIGHTNING CONDUCTOR Providing and fixing of lightning conductor finial, made of 25 mm dia 300 mm long, G.I. tube, having single prong at top, with 85 mm dia 6 mm thick G.I. base plate including holes etc. complete as required. Fixing of lightning conductor finial (single prong) with base plate including holes etc. complete as required. Jointing copper / G.I. tape (with another copper/ G I tape, base of the finial or any other metallic object) by riveting / nut bolting/ sweating and soldering etc as required. Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For horizontal run)	Each	1.0	360.00	518.00 360.00 565.00	-
1 2 3	6.3	SUB HEAD-IV, LIGHTNING CONDUCTOR LIGHTNING CONDUCTOR Providing and fixing of lightning conductor finial, made of 25 mm dia 300 mm long, G.I. tube, having single prong at top, with 85 mm dia 6 mm thick G.I. base plate including holes etc. complete as required. Fixing of lightning conductor finial (single prong) with base plate including holes etc. complete as required. Jointing copper / G.I. tape (with another copper/ G I tape, base of the finial or any other metallic object) by riveting / nut bolting/ sweating and soldering etc as required. Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For horizontal run) Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for	Each Metre Metre	1.0 5.0 30.0	360.00	518.00 360.00 565.00 3,780.00	-
1 2 3 4	6.3 6.4 6.7	SUB HEAD-IV, LIGHTNING CONDUCTOR LIGHTNING CONDUCTOR Providing and fixing of lightning conductor finial, made of 25 mm dia 300 mm long, G.I. tube, having single prong at top, with 85 mm dia 6 mm thick G.I. base plate including holes etc. complete as required. Fixing of lightning conductor finial (single prong) with base plate including holes etc. complete as required. Jointing copper / G.I. tape (with another copper/ G I tape, base of the finial or any other metallic object) by riveting / nut bolting/ sweating and soldering etc as required. Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For horizontal run)	Each	1.0 5.0 30.0	360.00	518.00 360.00 565.00	-
1 2 3 4 5	6.3 6.4 6.7 6.8	SUB HEAD-IV, LIGHTNING CONDUCTOR LIGHTNING CONDUCTOR Providing and fixing of lightning conductor finial, made of 25 mm dia 300 mm long, G.I. tube, having single prong at top, with 85 mm dia 6 mm thick G.I. base plate including holes etc. complete as required. Fixing of lightning conductor finial (single prong) with base plate including holes etc. complete as required. Jointing copper / G.I. tape (with another copper/ G I tape, base of the finial or any other metallic object) by riveting / nut bolting/ sweating and soldering etc as required. Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For vertical run) Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For vertical run)	Each Metre Metre	1.0 5.0 30.0	360.00	518.00 360.00 565.00 3,780.00	
1 2 3 4	6.3 6.4 6.7	SUB HEAD-IV, LIGHTNING CONDUCTOR LIGHTNING CONDUCTOR Providing and fixing of lightning conductor finial, made of 25 mm dia 300 mm long, G.I. tube, having single prong at top, with 85 mm dia 6 mm thick G.I. base plate including holes etc. complete as required. Fixing of lightning conductor finial (single prong) with base plate including holes etc. complete as required. Jointing copper / G.I. tape (with another copper/ G I tape, base of the finial or any other metallic object) by riveting / nut bolting/ sweating and soldering etc as required. Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For vertical run) Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For vertical run)	Each Metre Metre	1.0 5.0 30.0 30.0	360.00 113.00 126.00 197.00	518.00 360.00 565.00 3,780.00 5,910.00	
1 2 3 4 5	6.3 6.4 6.7 6.8	SUB HEAD-IV, LIGHTNING CONDUCTOR LIGHTNING CONDUCTOR Providing and fixing of lightning conductor finial, made of 25 mm dia 300 mm long, G.I. tube, having single prong at top, with 85 mm dia 6 mm thick G.I. base plate including holes etc. complete as required. Fixing of lightning conductor finial (single prong) with base plate including holes etc. complete as required. Jointing copper / G.I. tape (with another copper/ G I tape, base of the finial or any other metallic object) by riveting / nut bolting/ sweating and soldering etc as required. Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For vertical run) Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For vertical run)	Each Metre Metre	1.0 5.0 30.0 30.0	360.00	518.00 360.00 565.00 3,780.00	
1 2 3 4 5 6	6.3 6.4 6.7 6.7 6.8 6.10	SUB HEAD-IV, LIGHTNING CONDUCTOR LIGHTNING CONDUCTOR Providing and fixing of lightning conductor finial, made of 25 mm dia 300 mm long, G.I. tube, having single prong at top, with 85 mm dia 6 mm thick G.I. base plate including holes etc. complete as required. Fixing of lightning conductor finial (single prong) with base plate including holes etc. complete as required. Jointing conductor finial (single prong) with base plate including holes etc. complete as required. Jointing copper / G.I. tape (with another copper/ G I tape, base of the finial or any other metallic object) by riveting / nut bolting/ sweating and soldering etc as required. Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For horizontal run) Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For vertical run) Fixing of copper/ G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For vertical run)	Each Metre Metre	1.0 5.0 30.0 30.0	360.00 113.00 126.00 197.00	518.00 360.00 565.00 3,780.00 5,910.00	
1 2 3 4 5	6.3 6.4 6.7 6.8	SUB HEAD-IV, LIGHTNING CONDUCTOR LIGHTNING CONDUCTOR Providing and fixing of lightning conductor finial, made of 25 mm dia 300 mm long, G.I. tube, having single prong at top, with 85 mm dia 6 mm thick G.I. base plate including holes etc. complete as required. Fixing of lightning conductor finial (single prong) with base plate including holes etc. complete as required. Jointing copper / G.I. tape (with another copper/ G I tape, base of the finial or any other metallic object) by riveting / nut bolting/ sweating and soldering etc as required. Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required. (For horizontal run) Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required. (For vertical run) Fixing of copper/ G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required. (For vertical run) Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required. (For vertical run) Providing and fixing testing joint, made of 20 mm X 3 mm thick G.I. strip, 125 mm	Each Metre Metre	1.0 5.0 30.0 30.0	360.00 113.00 126.00 197.00	518.00 360.00 565.00 3,780.00 5,910.00	
1 2 3 4 5 6	6.3 6.4 6.7 6.7 6.8 6.10	SUB HEAD-IV, LIGHTNING CONDUCTOR LIGHTNING CONDUCTOR Providing and fixing of lightning conductor finial, made of 25 mm dia 300 mm long, G.I. tube, having single prong at top, with 85 mm dia 6 mm thick G.I. base plate including holes etc. complete as required. Fixing of lightning conductor finial (single prong) with base plate including holes etc. complete as required. Jointing conductor finial (single prong) with base plate including holes etc. complete as required. Jointing copper / G.I. tape (with another copper/ G I tape, base of the finial or any other metallic object) by riveting / nut bolting/ sweating and soldering etc as required. Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For horizontal run) Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For vertical run) Fixing of copper/ G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For vertical run)	Each Metre Metre	1.0 5.0 30.0 15.0	360.00 113.00 126.00 197.00	518.00 360.00 565.00 3,780.00 5,910.00	

8	5.4	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories,					
		and providing masonry enclosure with cover plate having locking arrangement and					
		watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required. Details					
		of cost for one Set	Each	1.0	7,472.00	7,472.00	
9	5.11	Providing and fixing 25 mm X 5 mm G.I. strip in 40 mm dia G.I. pipe from earth					
		electrode including connection with G.I. nut, bolt, spring, washer excavation and re-					
		filling etc. as required.	Metre	5.0	706.00	3,530.00	
		TOTAL SUB HEAD (VI)				26,017.00	

ESTIMATE OF FOR CONSTRUCTION OF ADDITIONAL DORMITORY & STAFF QUARTERS AT JNV KUPWARA, JAMMU AND KASHMIR

SUMMARY OF CIVIL WORK GIRLS DORMITORY 0.25 Unit (48 bedded) Block-A

S. No.	DSR Item / Chapter no.	Description	DSR-Amount (Rs.)	NDSR-Amount (Rs.)
1	4	CONCRETE WORK	29,972.00	
2	5	REINFORCED CEMENT CONCRETE	28,348.80	
3	6	BRICK WORK	24,652.15	
4		MARBLE WORK	38,521.70	
5	9	WOOD WORK & PVC WORK	89,518.50	
6	10	STEEL WORK	80,867.75	
7	12	ROOFING	224,670.00	
8	13	FINISHING	250,487.00	-

Total Say in Lacs 767,037.90 7.67

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ESTIMATE OF FOR CONSTRUCTION OF ADDITIONAL DORMITORY & STAFF QUARTERS AT JNV KUPWARA,

COST ESTIMATE OF GIRLS DORMITORY

S. No.	Ref. No	Description	Unit	Quantity	DSR 23 Rate	DSR-Amount (Rs.)	NDSR-Amount (Rs.)
1.0	2	EARTH WORK					
1.01	2.8	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.					
a)	2.8.1	All kinds of soil	Cum	920.00	166.40	153,088.00	
1.02	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	Cum	1366.00	125.75	171,774.50	
1.03	2.27	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	Cum	150.40	917.75	- 138,029.60	
1.04	2.34	Supplying chemical emulsion in sealed containers including delivery as specified.					
a)	2.34.1	Chlorpyriphos/ Lindane emulsifiable concentrate of 20%	litre	285.30	185.95	-	
1.05	2.35 2.35.3	Diluting and injecting chemical emulsion for POST- CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion) : Treatment of soil under existing floors using chemical emulsion @					
		one litre per hole, 300 mm apart including drilling 12 mm diameter holes and plugging with cement mortar 1 :2 (1 cement : 2 Coarse sand) to match the existing floor:					
a)	2.35.3.1	With Chlorpyriphos/Lindane E.C. 20% with 1% concentration	Sqm	285.30	131.90	-	
1.04 a)	16.3 16.3.9	Supplying and stacking at site. Good earth	Cum	814.00	332.55	270,695.70	
		Total of sub-head			l l	733,587.80	
1.0	4	CONCRETE WORK					
1.01	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :					
a)	4.1.10	1:5:10 (1 Cement : 5 coarse sand (zone-III) : 10 graded stone aggregate 40 mm nominal size)	Cum	0.00	5520.30	-	
1.01	4.2	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing :					
a)	4.2.3	1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	Cum	0.69	9895.20		
1.02	4.10	Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-III): 4 graded stone aggregate 12.5mm nominal size)	Sqm	0.00	614.05	-	
1.03	4.12	Extra for providing and mixing water proofing material in cement concrete work in doses by weight of cement as per manufacturer's specification.	Per 50Kg Cement	0.00	56.55	-	
1.04	4.13	Providing & applying a coat of residual petroleum bitumen of grade of VG-10 of approved quality using 1.7kg per square metre on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil.					
			Sqm	0.00	110.00	-	

1.02	4.17	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including necessary excavation, levelling & dressing & finishing the top smooth.	Sqm	40.00	749.30	29,972.00
		Total of sub-head	- 1			29,972.00
2.0	5	REINFORCED CEMENT CONCRETE				27,772.00
2.01	5.9	Centering and shuttering including strutting, propping etc. and removal of form for all heights:				
a) b)	5.9.1 5.9.2	Foundations, footings, bases of columns, etc. for mass concrete Walls (any thickness) including attached pilasters, butteresses, plinth and string courses etc	Sqm Sqm	0.00	284.85 609.30	-
c)	5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts	Sqm	0.00	733.70	-
d)	5.9.15	Small lintels not exceeding 1.5 m clear span, moulding as in cornices, window sills, string courses, bands, copings, bed plates, anchor blocks and the like	Sqm		284.85	-
e)	5.9.16	Edges of slabs and breaks in floors and walls	-	0.00		
f) a)	5.9.16.1 5.9.3	Under 20 cms wide Suspended floors, roofs, landings, balconies and access platform.	metre	0.00	173.25	-
b)	5.9.21		Sqm	10.00	927.25	
0)	5.9.21	Lintels, beams, plinth beams, girders, bressumers and cantilevers. with water proof ply 12 mm thick	Sqm	0.00	641.60	-
2.02	5.18	Providing precast cement concrete Jali 1:2:4 (1 cement : 2 coarse sand(zone-III) : 4 graded stone aggregate 6mm nominal size), reinforced with 1.6 mm dia mild steel wire, including centering and shuttering, roughening cleaning, fixing and finishing with cement mortar 1:3 (1 cement: 3 fine sand) etc. complete, excluding plastering of the jambs, sills and soffits.				-
a)	5.18.1	50 mm thick	Sqm	0.00	1474.05	-
2.03	5.22	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.				-
a)	5.22.6	Thermo-Mechanically Treated bars of grade Fe-500D or more.	kilogram		83.50	-
2.02	5.22A	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.				
a)	5.22A.6	Thermo-Mechanically Treated bars of grade Fe-500 D or more.	kilogram	80.00	107.85	8,628.00
2.04	5.29	Providing and fixing sheet covering over expansion joints with iron screws as per design.				
i) a)	5.29.2 5.29.2.2	Aluminium fluted strips 3.15 mm thick. 200 mm wide	Metre	0.00	654.95	-
2.05	5.30	Add for plaster drip course/ groove in plastered surface or moulding to R.C.C. projections.	metre		58.90	-
2.03	5.33	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge."(Note : Cement content considered in this item is @ 330 kg/cum."Excess/less cement used as per design mix is payable/recoverable separately).				
(i) (ii)	5.33.1 5.33.2	All works upto plinth level All works above plinth level upto floor V level	Cum Cum	0.00 2.00	7997.30 9860.40	19,720.80
2.04	5.35	Add for using extra cement in the items of design mix over and above the specified cement content therein.	Quintal	0.00	688.45	
		Total of sub-head			-	28,348.80
3.0	6	BRICK WORK				
3.01	6.1	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:				
a)	6.1.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	0.00	6157.45	-

3.01	6.4	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :				
a)	6.4.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	2.00	9105.95	- 18,211.90
3.02	6.13	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.				-
a)	6.13.2	Cement mortar 1:4 (1 cement :4 coarse sand)	Sqm	5.00	1123.80	5,619.00
3.03	6.15	Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry.	Sqm	5.00	104.80	524.00
3.04	6.44	Brick edging 7cm wide 11.4 cm deep to plinth protection with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 including grouting with cement mortar 1:4 (1 cement : 4 fine sand).	Metre	5.00	59.45	297.25
		Total of sub-head			-	24,652.15
4.0	8	MARBLE WORK				
4.01	8.2	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels.				
a)	8.2.1	Raj Nagar Plain white marble/ Udaipur green marble/ Zebra black marble				
(i)	8.2.1.2	Area of slab over 0.50 sqm	Sqm	3.00	3078.40	9,235.20
b) i)	8.2.2 8.2.2.2	Granite of any colour and shade Area of slab over 0.50 sqm	sqm	3.00	5136.30	15,408.90
4.02	8.3	Providing edge moulding to 18 mm thick marble stone counters, Vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge.				
a) b)	8.3.1 8.3.2	Marble work Granite work	Metre Metre	10.00 0.00	298.60 418.85	2,986.00
4.03	8.4	Extra for fixing marble /granite stone, over and above corresponding basic item, in facia and drops of width upto 150 mm with epoxy resin based adhesive, including cleaning etc. complete.	Metre	13.00	568,55	7,391.15
4.04	8.5	Extra for providing opening of required size & shape for wash basin/ kitchen sink in kitchen platform, vanity counter and similar location in marble/ Granite/ stone work, including necessary holes for pillar taps etc. including moulding, rubbing and polishing of cut edges etc. complete.	Each	1.00	978.70	_
4.05	8.10	Providing and fixing stone slab with table rubbed, edges rounded and polished, of size 75x50 cm deep and 1.8 cm thick, fixed in urinal partitions by cutting a chase of appropriate width with chase cutter and embedding the stone in the chase with epoxy grout or with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 6 mm nominal size) as per direction of Engineer-in-charge and finished smooth.				
a)	8.10.1	White Agaria Marble Stone Total of sub-head	Sqm	1.00	3500.45	3,500.45 38,521.70
5.0	9	WOOD WORK & PVC WORK				
5.01	9.1	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately).				
a)	9.1.1	Second class teak wood	Cum	0.00	130183.05	-

5.01	9.12	Extra for providing frosted glass panes 4 mm thick instead of ordinary float glass panes 4 mm thick in doors, windows and clerestory window shutters. (Area of opening for glass panes excluding portion inside rebate shall be measured).	Sqm	7.00	176.40	1,234.80
5.02	9.20	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters.				<u>-</u>
a)	9.20.3	25 mm thick (for cupboard) including ISI marked nickel plated bright finished M.S. Piano hinges IS : 3818 marked with necessary screws	Sqm	0.00	2464.70	-
5.02	9.21	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters:				-
a)	9.21.1	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	Sqm	7.00	2392.65	16,748.55
5.03	9.23	Extra for providing lipping with 2nd class teak wood battens 25 mm minimum depth on all edges of flush door shutters (over all area of door shutter to be measured).	Sqm	7.00	462.35	3,236.45
5.04	9.26	Extra for cutting rebate in flush door shutters (Total area of the shutter to be measured).	Sqm	7.00	106.70	746.90
5.05	9.27	Providing and fixing wire gauge shutters using galvanized M.S. wire gauge of average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm, for doors, windows and clerestory windows with hinges and necessary screws :				
i) a)	9.27.1 9.27.1.1.2	35 mm thick shutters Kiln seasoned and chemically treated hollock wood	Sqm	7.00	3,599.20	25,194.40
5.06	9.46	Providing and fixing curtain rods of 1.25 mm thick chromium plated brass plate, with two chromium plated brass brackets fixed with C.P. brass screws and wooden plugs, etc., wherever necessary complete :				
a)	9.46.2	20 mm dia	Metre	0.00	375.25	-
a) 5.07	9.48	20 mm dia Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete.	Metre			-
5.07 a)	9.48 9.48.1	20 mm dia Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to steel windows by welding	Metre Kg	0.00 80.00	375.25 219.10	- 17,528.00
5.07	9.48	20 mm dia Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete.				- 17,528.00
5.07 a)	9.48 9.48.1	20 mm dia Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to steel windows by welding Providing and fixing fly proof galvanized M.S. wire gauge to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm				- 17,528.00 12,209.60
5.07 a) 5.08 a) 5.09	9.489.48.19.519.51.29.59	 20 mm dia Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to steel windows by welding Providing and fixing fly proof galvanized M.S. wire gauge to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm all complete. With 12 mm mild steel U beading Providing and fixing ISI marked oxidised M.S. single acting spring hinges with necessary screws etc. complete : 	Kg Sqm	80.00	219.10 939.20	12,209.60
5.07 a) 5.08 a) 5.09 a)	 9.48 9.48.1 9.51 9.51.2 9.59 9.59.1 	20 mm dia Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to steel windows by welding Providing and fixing fly proof galvanized M.S. wire gauge to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm all complete. With 12 mm mild steel U beading Providing and fixing ISI marked oxidised M.S. single acting spring hinges with necessary screws etc. complete : 150 mm	Kg	80.00	219.10	
 5.07 a) 5.08 a) 5.09 a) 5.10 	 9.48 9.48.1 9.51 9.51.2 9.59 9.59.1 9.63 	 20 mm dia Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to steel windows by welding Providing and fixing fly proof galvanized M.S. wire gauge to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm all complete. With 12 mm mild steel U beading Providing and fixing ISI marked oxidised M.S. single acting spring hinges with necessary screws etc. complete : 150 mm Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete : 	Kg Sqm Each	80.00 13.00 6.00	219.10 939.20 291.35	12,209.60 1,748.10
 5.07 a) 5.08 a) 5.09 a) 5.10 a) 	 9.48 9.48.1 9.51 9.51.2 9.59 9.59.1 9.63 9.63.3 	20 mm dia Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to steel windows by welding Providing and fixing fly proof galvanized M.S. wire gauge to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm all complete. With 12 mm mild steel U beading Providing and fixing ISI marked oxidised M.S. single acting spring hinges with necessary screws etc. complete : 150 mm Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete : 150x10 mm	Kg Sqm	80.00	219.10 939.20	12,209.60
 5.07 a) 5.08 a) 5.09 a) 5.10 a) 5.11 	 9.48 9.48.1 9.51 9.51.2 9.59 9.59.1 9.63 9.63.3 9.66 	 20 mm dia Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to steel windows by welding Providing and fixing fly proof galvanized M.S. wire gauge to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm all complete. With 12 mm mild steel U beading Providing and fixing ISI marked oxidised M.S. single acting spring hinges with necessary screws etc. complete : 150 mm Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete : 150x10 mm Providing and fixing ISI marked oxidised M.S. handles conforming to IS:4992 with necessary screws etc. complete : 	Kg Sqm Each Each	80.0013.006.0020.00	219.10 939.20 291.35 59.45	12,209.60 1,748.10 1,189.00
 5.07 a) 5.08 a) 5.09 a) 5.10 a) 5.11 a) 	 9.48 9.48.1 9.51 9.51.2 9.59 9.59.1 9.63 9.63.3 9.66 9.66.2 	 20 mm dia Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to steel windows by welding Providing and fixing fly proof galvanized M.S. wire gauge to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm all complete. With 12 mm mild steel U beading Providing and fixing ISI marked oxidised M.S. single acting spring hinges with necessary screws etc. complete : 150 mm Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete : 150x10 mm Providing and fixing ISI marked oxidised M.S. handles conforming to IS:4992 with necessary screws etc. complete : 100 mm 	Kg Sqm Each	80.00 13.00 6.00	219.10 939.20 291.35	12,209.60 1,748.10
 5.07 a) 5.08 a) 5.09 a) 5.10 a) 5.11 	 9.48 9.48.1 9.51 9.51.2 9.59 9.59.1 9.63 9.63.3 9.66 	 20 mm dia Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to steel windows by welding Providing and fixing fly proof galvanized M.S. wire gauge to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm all complete. With 12 mm mild steel U beading Providing and fixing ISI marked oxidised M.S. single acting spring hinges with necessary screws etc. complete : 150 mm Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete : 150x10 mm Providing and fixing ISI marked oxidised M.S. handles conforming to IS:4992 with necessary screws etc. complete : 	Kg Sqm Each Each	80.0013.006.0020.00	219.10 939.20 291.35 59.45	12,209.60 1,748.10 1,189.00
 5.07 a) 5.08 a) 5.09 a) 5.10 a) 5.11 a) 5.12 	 9.48 9.48.1 9.51 9.51.2 9.59 9.59.1 9.63 9.63.3 9.66 9.66.2 9.67 	 20 mm dia Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to steel windows by welding Providing and fixing fly proof galvanized M.S. wire gauge to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm all complete. With 12 mm mild steel U beading Providing and fixing ISI marked oxidised M.S. single acting spring hinges with necessary screws etc. complete : 150 mm Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete : 150x10 mm Providing and fixing ISI marked oxidised M.S. handles conforming to IS:4992 with necessary screws etc. complete : 100 mm Providing and fixing oxidised M.S. hasp and staple (safety type) conforming to IS : 363 with necessary screws etc. complete : 90 mm Providing and fixing oxidised M.S. casement stays (straight peg type) 	Kg Sqm Each Each Each	 80.00 13.00 6.00 20.00 20.00 	 219.10 939.20 291.35 59.45 32.55 	12,209.60 1,748.10 1,189.00
5.07 a) 5.08 a) 5.09 a) 5.10 a) 5.11 a) 5.12 a)	 9.48 9.48.1 9.51 9.51.2 9.59 9.59.1 9.63 9.63.3 9.66 9.66.2 9.67 9.67.3 	 20 mm dia Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to steel windows by welding Providing and fixing fly proof galvanized M.S. wire gauge to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm all complete. With 12 mm mild steel U beading Providing and fixing ISI marked oxidised M.S. single acting spring hinges with necessary screws etc. complete : 150 mm Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete : 150x10 mm Providing and fixing ISI marked oxidised M.S. handles conforming to IS:4992 with necessary screws etc. complete : 100 mm Providing and fixing oxidised M.S. hasp and staple (safety type) conforming to IS : 363 with necessary screws etc. complete : 90 mm 	Kg Sqm Each Each Each	 80.00 13.00 6.00 20.00 20.00 	 219.10 939.20 291.35 59.45 32.55 	12,209.60 1,748.10 1,189.00
 5.07 a) 5.08 a) 5.09 a) 5.10 a) 5.11 a) 5.12 a) 5.12 	9.48 9.48.1 9.51 9.51.2 9.59 9.59.1 9.63 9.63.3 9.66 9.66.2 9.67 9.67.3 9.68	 20 mm dia Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to steel windows by welding Providing and fixing fly proof galvanized M.S. wire gauge to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm all complete. With 12 mm mild steel U beading Providing and fixing ISI marked oxidised M.S. single acting spring hinges with necessary screws etc. complete : 150 mm Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete : 150x10 mm Providing and fixing ISI marked oxidised M.S. handles conforming to IS:4992 with necessary screws etc. complete : 100 mm Providing and fixing oxidised M.S. hasp and staple (safety type) conforming to IS : 363 with necessary screws etc. complete : 90 mm Providing and fixing oxidised M.S. casement stays (straight peg type) with necessary screws etc. complete. 	Kg Sqm Each Each Each	 80.00 13.00 6.00 20.00 20.00 0.00 	 219.10 939.20 291.35 59.45 32.55 21.70 	12,209.60 1,748.10 1,189.00 651.00

5.13	9.96	Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete :			
a)	9.96.1	300x16 mm	Each	5.00	303
b)	9.96.2	250x16 mm	Each	4.00	260
5.14	9.97	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :			
a)	9.97.2	250x10 mm	Each	5.00	115
b)	9.97.4	150x10 mm	Each	7.00	82
5.15	9.100	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :			
a)	9.100.1	125 mm	Each	8.00	66
b)	9.100.2	100 mm	Each	5.00	59
5.16	9.101	Providing and fixing aluminium hanging floor door stopper, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws etc. complete.			
a)	9.101.2	Twin rubber stopper	Each	8.00	72
5.17	9.111	Providing and fixing wooden moulded corner beading of triangular shape to the junction of panelling etc. with iron screws, plugs and priming coat on unexposed surface etc. complete 2nd class teak wood.			
a)	9.111.1	50x50 mm (base and height)	Metre	0.00	250
5.17	9.127.2	Providing and fixing PVC rigid foam sheet 1 mm thick on existing door shutters (bathroom and W.C. doors) using synthetic rubber based adhesive.	sqm	3.00	897
5.18	9.130	Providing and fixing cup board shutters with 25 mm thick veneered particle board IS : 3097 marked, exterior grade (Grade I), of approved make, including IInd class teak wood lipping of 25 mm wide x 12 mm thick with necessary screws and bright finished stainless steel piano hinges, complete as per direction of Engineer-in-Charge.	ľ		
a)	9.130.1	With decorative veneering on one side and commercial veneering on other side	Sqm	0.00	1647
		Total of sub-head			
6.00	10	STEEL WORK			
6.01	10.11	Providing and fixing factory made ISI marked steel glazed doors, windows and ventilators, side /top /centre hung, with beading and all members such as F7D, F4B, K11 B and K12 B etc. complete of standard rolled steel sections, joints mitred and flash butt welded and sash bars tenoned and riveted, including providing and fixing of hinges, pivots, including priming coat of approved steel primer, but excluding the cost of other fittings, complete all as per approved design, (sectional weight of only steel members shall be measured for payment).			
a)	10.11.1	Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6	17	120.00	121
6.02	10.13	graded stone aggregate 20 mm nominal size) Providing and fixing T-iron frames for doors, windows and ventilators of mild steel Tee-sections, joints mitred and welded, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer.	Kg	130.00	131
a)	10.13.1	Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete			
		block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	Kg	90.00	141
6.03	10.15	Providing and fixing M.S. Tubular frames for doors, windows, ventilators and cupboard with rectangular/ L-Type sections, made of 1.60 mm thick M.S. Sheet, joints mitred, welded and grinded finish, with profiles of required size, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer.			

5.00 4.00	303.25 260.60	1,516.25 1,042.40
5.00 7.00	115.15 82.55	575.75 577.85
8.00 5.00	66.25 59.55	530.00 297.75
8.00	72.35	578.80 -
0.00	250.25	-
3.00	897.30	2,691.90
0.00	1647.95	- 89,518.50
0.00	1647.95	- 89,518.50 17,036.50

a)	10.15.1	Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6		
6.03	10.17	graded stone aggregate 20 mm nominal size) Providing and fixing M.S. fan clamp type I or II of 16 mm dia M.S. bar, bent to shape with hooked ends in R.C.C. slabs or beams during	Kg	0.00
		laying, including painting the exposed portion of loop, all as per standard design complete.	Each	5.00
6.03	10.18	Providing and fixing circular/ Hexagonal cast iron or M.S. sheet box for ceiling fan clamp, of internal dia 140 mm, 73 mm height, top lid of 1.5 mm thick M.S. sheet with its top surface hacked for proper bonding, top lid shall be screwed into the cast iron/ M.S. sheet box by means of 3.3 mm dia round headed screws, one lock at the corners. Clamp shall be made of 12 mm dia M.S. bar bent to shape as per standard drawing.	Each	5.00
6.04	10.26		Laci	5.00
6.04	10.26	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer.		
a)	10.26.1	M.S. tube	Kg	140.00
6.05	10.28	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners, stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-incharge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).		
			Kg	0.00
6.05	10.30	Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with :		
a)	10.30.1	4.0 mm thick glass panes	Sqm	20.00
,				
,		Total of sub-head		
7.00	11	Total of sub-head FLOORING		
	11 11.4			
7.00		FLOORING 52 mm thick cement concrete flooring with concrete hardener topping, under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per manufacturer's specifications. This includes cost of cement	Sqm	0.00
7.00		FLOORING 52 mm thick cement concrete flooring with concrete hardener topping, under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per manufacturer's specifications. This includes cost of cement	Sqm	0.00
7.00 7.01	11.4	FLOORING 52 mm thick cement concrete flooring with concrete hardener topping, under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per manufacturer's specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete.	Sqm	0.00
7.00 7.01	11.4	 FLOORING 52 mm thick cement concrete flooring with concrete hardener topping, under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per manufacturer's specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete. Cement plaster skirting up to 30 cm height, with cement mortar 1:3 (1 cement : 3 coarse sand), finished with a floating coat of neat cement. 18 mm thick Providing and fixing glass strips in joints of terrazo/ cement concrete 	·	
7.00 7.01 7.02 a)	11.4 11.6 11.6.1	FLOORING 52 mm thick cement concrete flooring with concrete hardener topping, under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick cement hardener consisting of mix 1:2 (1 cement ardener mix : 2 graded stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per manufacturer's specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete. Cement plaster skirting up to 30 cm height, with cement mortar 1:3 (1 cement : 3 coarse sand), finished with a floating coat of neat cement.	·	
 7.00 7.01 7.02 a) 7.02 	11.4 11.6 11.6.1 11.13	 FLOORING 52 mm thick cement concrete flooring with concrete hardener topping, under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per manufacturer's specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete. Cement plaster skirting up to 30 cm height, with cement mortar 1:3 (1 cement : 3 coarse sand), finished with a floating coat of neat cement. 18 mm thick Providing and fixing glass strips in joints of terrazo/ cement concrete floors. 	Sqm	0.00
 7.00 7.01 7.02 a) 7.02 a) 	11.4 11.6 11.6.1 11.13 11.13.1	 FLOORING 52 mm thick cement concrete flooring with concrete hardener topping, under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 crarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per manufacturer's specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete. Cement plaster skirting up to 30 cm height, with cement mortar 1:3 (1 cement : 3 coarse sand), finished with a floating coat of neat cement. 18 mm thick Providing and fixing glass strips in joints of terrazo/ cement concrete floors. 40 mm wide and 4 mm thick Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base 	Sqm	0.00
 7.00 7.01 7.02 a) 7.02 a) 7.01 	11.4 11.6 11.6.1 11.13 11.13.1 11.26	 FLOORING 52 mm thick cement concrete flooring with concrete hardener topping, under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick cement hardener consisting of mix 1:2 (1 cement : 2 graded stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per manufacturer's specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete. Cement plaster skirting up to 30 cm height, with cement mortar 1:3 (1 cement : 3 coarse sand), finished with a floating coat of neat cement. 18 mm thick Providing and fixing glass strips in joints of terrazo/ cement concrete floors. 40 mm wide and 4 mm thick Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement nortar 1:4 (1 cement : 4 coarse sand): 25 mm thick. Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement : 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement : 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement : 3 coarse sand) and jointed with grey cement slurry mixed with pigment to pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement : 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing 	Sqm Metre Sqm	0.00 0.00 367.00
 7.00 7.01 7.02 a) 7.02 a) 7.01 	11.4 11.6 11.6.1 11.13 11.13.1 11.26 11.26.1	 FLOORING 52 mm thick cement concrete flooring with concrete hardener topping, under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 cayse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per manufacturer's specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete. Cement plaster skirting up to 30 cm height, with cement mortar 1:3 (1 cement : 3 coarse sand), finished with a floating coat of neat cement. 18 mm thick Providing and fixing glass strips in joints of terrazo/ cement concrete floors. 40 mm wide and 4 mm thick Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement nortar 1: 4 (1 cement : 4 coarse sand): 25 mm thick. Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment 	Sqm Metre	0.00

Kg	0.00	137.3	-
Each	5.00	226.00	1,130.00
Each	5.00	220.65	1,103.25
Kg	140.00	196.80	27,552.00
Kg	0.00	575.45	-
Sqm	20.00	1064.65	21,293.00
			00,00/./3
			80,867.75 -
			ov,60/./3 -
Sqm	0.00	787.50	ov,60/./3 - -
Sqm	0.00	787.50 521.15	
			- - -
Sqm Metre	0.00	521.15	-
Sqm Metre	0.00 0.00 367.00	521.15 75.15	

7.04	11.32	Extra for Kota stone/ sand stone in treads of steps and risers using single length up to $1.05\ metre.$	Sqm
7.05	8.31	Providing and fixing Ist quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	Sam
			Sqm
7.06	11.37	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including pointing the joints with white cement and matching pigment etc., complete.	Sqm
7.07	11.41	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including grouting the joints with white cement and matching pigments etc., complete.	
a)	11.41.2	Size of Tile 600x600 mm	Sqm
7.08	11.46	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including grouting the joint with white cement & matching pigments etc. complete.	
a)	11.46.2	Size of Tile 600x600 mm	Sqm
7.07	16.68	Providing and laying 60mm thick faciory made cement concrete interlocking paver block of M -30 grade made by block making machine with strong vibratory compaction, of approved s;ze, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with line sand etc. all complete as per the direction of Engineer-in-charge.	Sqm
		Total of sub-head	
8.00	12	ROOFING	
8.01	12.22	Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1 m x1 m x 400 micron, finished with 12 mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete.	Each
			Each
8.02	12.50	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineerin-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	

Sqm	200.00	1267.95	-
Sqm	20.00	1096.55	
Sqm	0.00	1500.55	-
Sqm	0.00	1545.85	-
Sqm	0.00	859.35	-
			-
Each	20.00	298.25	5,965.00
Sqm	150.00	738.65	110,797.50

28.00

44.15

-

8.03 12.53 Providing and Fixing 15 mm thick densified tegular edged eco friendly light weight calcium silicate false ceiling tiles of approved texture of size 595 x 595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanised steel sections (galvanising @ 120 grams per sqm including both side) consisting of main 'T' runner suitably spaced at joints to get required length and of size 24x38 mm made from 0.33 mm thick (minimum) sheet, spaced 1200 mm centre to centre, and cross "T" of size 24x28 mm made out of 0.33 mm (Minimum) sheet, 1200 mm long spaced between main'T' at 600 mm centre to centre to form a grid of 1200x600 mm and secondary cross 'T' of length 600 mm and size 24 x28 mm made of 0.33 mm thick (Minimum) sheet to be inter locked at middle of the 1200x 600 mm panel to from grid of size 600x600 mm, resting on periphery walls /partitions on a Perimeter wall angle pre-coated steel of size(24x24X3000 mm made of 0.40 mm thick (minimum) sheet with the help of rawl plugs at 450 mm centre to centre with 25 mm long dry wall screws @ 230 mm interval and laying 15 mm thick densified edges calicum silicate ceiling tiles of approved texture in the grid. including. cutting/ making opening for services like diffusers

		erid. including. cutting/ making opening for services like diffusers. Total of sub-head	Sqm	50.00	2158.15	107,907.50 224,670.00
9.00	13	FINISHING				
9.01	13.4	12 mm cement plaster of mix				-
a)	13.4.2	1:6 (1 cement: 6 coarse sand)	Sqm	50.00	343.65	17,182.50
9.02	13.5	15 mm cement plaster on rough side of single or half brick wall of mix:				-
a)	13.5.1	1:4 (1 cement: 4 coarse sand)	Sqm	400.00	318.95	127,580.00
b)	13.5.2	1:6 (1 cement: 6 coarse sand)	Sqm	50.00	395.35	19,767.50
9.03	13.9	Cement plaster 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement.				
a)	13.9.2	20 mm Cement Plaster	Sqm	30.00	587.20	17,616.00
9.03	13.16	6mm cement plaster of mix				-
a)	13.16.1	1:3 (1 cement : 3 fine sand)	Sqm	30.00	300.45	9,013.50
9.04	13.37	White washing with lime to give an even shade :				
a)	13.37.1	New work (three or more coats)	Sqm	50.00	39.05	1,952.50
9.05	13.41	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade :				
a)	13.41.1	New work (two or more coats) over and including water thinnable				
		priming coat with cement primer	Sqm	60.00	185.65	11,139.00
9.06	13.47	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade:				
a)	13.47.1	New work (Two or more coats applied @ 1.43 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	Sqm	60.00	171.10	10,266.00
9.07	13.50	Applying priming coat:				
a)	13.50.2	With ready mixed pink or Grey primer of approved brand and manufacture on wood work (hard and soft wood)	Sqm	60.00	74.65	4,479.00
b)	13.50.3	With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/ steel works	Sqm	60.00	67.40	4,044.00
9.08	13.62	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :				-
a)	13.62.1	Two or more coats on new work	Sqm	60.00	226.25	13,575.00
9.09	13.65	Painting with black anti-corrosive bitumastic paint of approved brand and manufacture to give an even shade :				
a)	13.65.1	Two or more coats on new work	Sqm	0.00	106.05	-
9.10	13.73	Forming groove of uniform size in the top layer of washed stone grit plaster as per approved pattern using wooden battens, nailed to the under layer, including removal of wooden battens, repair to the edges of panels and finishing the groove complete as per specifications and direction of the Engineer-in-charge :				
a)	13.73.1	15 mm wide and 15 mm deep groove	metre	60.00	75.15	4,509.00
9.11	13.80	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	Sqm	60.00	156.05	9,363.00
0.12	MD	France state of an and have been to star as a star				

50.00

Sam

2158.15

107,907.50

9.12 MR Epoxy paint of approved brand and manufacture to give an even shade :

a)

Two or more coats on old work

Total of sub-head

Sqm 60.00 123.00

250,487.00 0.00

ESTIMATE OF FOR CONSTRUCTION OF ADDITIONAL DORMITORY & STAFF QUARTERS AT JNV KUPWARA, JAMMU AND KASHMIR

SUMMARY OF PLUMBING WORK GIRLS DORMITORY

S. No.	DESCRIPTION	AMOUNT (Rs.)
1	EARTH WORK	3,521.50
2	ROOFING	12,195.75
3	SANITARY INSTALLATIONS	106,434.20
4	WATER SUPPLY	70,044.30
5	SEWARAGE & DRAINAGE	67,327.25
	TOTAL DSR ITEMS	259,523.00
6	NON SCHEDULE ITEMS	-
	TOTAL NON DSR ITEMS	-
	TOTAL (A+B)	259,523.00
	Say	2.60 Lakh

ESTIMATE OF FOR CONSTRUCTION OF ADDITIONAL DORMITORY & STAFF QUARTERS AT JNV KUPWARA,

PHE COST ESTIMATE OF Girls DORMITORY

S. No.	Ref. No	Description	Unit	Qty	DSR 23 Rate	Amount (Rs.)
1	2	3	4	5	6	7.00
1.00	2.00	EARTH WORK				
1.02	2.10	Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 1.5 m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m :				
	2.10.1	All kinds of soil				
a) b)	2.10.1.1 2.10.1.2	Pipes, cables etc. not exceeding 80 mm dia. Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm	Metre	10.00	215.60	-
0)	2.10.1.2	dia	Metre	10.00	352.15	3,521.50
1.03	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	Cum	4.00	196.00	
			Culli	4.00	190.00	2 521 50
		Total of sub-head				3,521.50
2.00	12.00	ROOFING				
2.01	12.41	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes.				
A)	12.41.2	110 mm diameter	Metre	20.00	377.40	7,548.00
2.02	12.42	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring				
i)	12.42.1	Coupler				
a)	12.42.1.2	110 mm	Each	5.00	136.15	680.75
ii)	12.42.5	Bend 87.5°				
a)	12.42.5.2	110 mm bend	Each	5.00	150.35	751.75
iii)	12.42.6	Shoe (Plain)				
a)			Each	5.00	131.85	659.25
2.03	12.43	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50 mm hard wood plugs, screwed with M.S. screws of required length, including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete.				
a)	12.43.2	110 mm	Each	6.00	371.30	2,227.80
2.04	12.44	Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15 cm diameter and weighing not less than 440 grams.				
			Each	6.00	54.70	328.20

Total of sub-head

SANITARY INSTALLATIONS

3.00

17.00

-

5.00	17.00	SAMITARI INSTALLATIONS				
3.01	17.1	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and				
a)	17.1.1	White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	Each	3.00	6767.40	20,302.20
3.02	17.7	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:				
a)	17.7.4	White Vitreous China Flat back wash basin size 550x 400 mm with single 15 mm C.P. brass pillar tap	Each	1.00	1879.20	1,879.20
3.03	17.35	Providing and fixing soil, waste and vent pipes.				
a)	17.35.1	100 mm dia.				
i)	17.35.1.2	Centrifugally cast (spun) iron socket & spigot (S&S) pipe as per IS: 3989	Metre	8.00	1180.75	9,446.00
b)	17.35.2	75mm diameter	м.,	0.00	1106.00	-
i)	17.35.2.2	Centrifugally cast (spun) iron socketed pipe as per IS: 3989	Metre	8.00	1186.00	9,488.00
3.04	17.37	Providing and fixing M.S. holder-bat clamps of approved design to Sand Cast iron/cast iron (spun) pipe embedded in and including cement concrete blocks $10x10x10$ cm of $1:2:4$ mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), including cost of cutting holes and making good the walls etc. :				-
a)	17.37.1	For 100 mm dia. pipe	Each	8.00	362.85	2,902.80
b)	17.37.2	For 75 mm dia. pipe	Each	8.00	360.00	2,880.00
3.05	17.38	Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete.				-
a)	17.38.1	100 mm				-
i)	17.38.1.2	Sand cast iron S&S as per IS - 3989	Each	3.00	705.20	2,115.60
b)	17.38.2	75 mm				-
i)	17.38.2.2	Sand cast iron S&S as per IS- 3989	Each	3.00	522.80	1,568.40
3.06 a)	17.39 17.39.1	Providing and fixing plain bend of required degree. 100 mm				-
i)	17.39.1.2	Sand cast iron S&S as per IS:3989	Each	3.00	570.05	1,710.15
b)	17.39.2	75 mm				-
i)	17.39.2.2	Sand cast iron S&S as per IS:3989	Each	3.00	390.50	1,171.50
3.07	17.40	Durviding and fiving hast part conitary hand				-
a)	17.40	Providing and fixing heel rest sanitary bend 100 mm dia				-
i)	17.40.1.2	Sand cast iron S&S as per IS - 3989	Each	2.00	548.70	1,097.40
b)	17.40.2	75 mm dia				-
i)	17.40.2.2	Sand cast iron S&S as per IS - 3989	Each	2.00	504.30	1,008.60
3.08	17. 43	Providing and fixing single equal plain junction of required degree with access door, insertion rubber washer 3mm thick, bolts and nuts complete.				-
a)	17.43.1	100x100x100mm				-
i)	17.43.1.2	Sand cast iron S&S as per IS - 3989	Each	3.00	925.70	2,777.10
b)	17.43.2	75x75x75mm	.			-
i)	17.43.2.2	Sand cast iron S&S as per IS - 3989	Each	3.00	665.05	1,995.15

2.00	17 44	Descriding and fiving single equal plain investion of mensional descree				
3.09	17.44	Providing and fixing single equal plain junction of required degree				-
a)	17.44.1	100x100x100mm				-
i)	17.44.1.2	Sand cast iron S&S as per IS - 3989	Each	2.00	811.90	1,623.80
b) i)	17.44.2 17.44.2.2	75x75x75mm Sand cast iron S&S as per IS - 3989	Each	2.00	561.20	- 1,122.40
1)	17.44.2.2	Sand cast non 363 as per 13 - 3767	Lacii	2.00	501.20	-
3.10	17.55	Providing and fixing door piece, insertion rubber washer 3mm thick,				-
a)	17.55.1	100 mm				-
i)	17.55.1.2	Sand cast iron S&S as per IS - 3989	Each	3.00	683.85	2,051.55
b) i)	17.55.2 17.55.2.2	75 mm Sand cast iron S&S as per IS - 3989	Each	3.00	537.00	- 1,611.00
1)	17.33.2.2	Sand cast non S&S as per 15 - 5767	Lacii	5.00	557.00	-
3.11	17.56	Providing and fixing terminal guard :				-
a)	17.56.1	100 mm				-
i)	17.56.1.2	Sand cast iron S&S as per IS - 3989	Each	3.00	506.00	1,518.00
b) i)	17.56.2 17.56.2.2	75 mm Sand cast iron S&S as per IS - 3989	Each	3.00	404.75	- 1,214.25
1)	17.50.2.2	Sund cast non Sees as per 15 - 5767	Euch	5.00	101.75	-
3.12	17.57	Providing and fixing collar :				-
a)	17.57.1	100 mm	F 1	- 00	512.15	-
i) b)	17.57.1.2 17.57.2	Sand cast iron S&S as per IS - 3989 75 mm	Each	5.00	513.15	2,565.75
i)	17.57.2.2	Sand cast iron S&S as per IS - 3989	Each	5.00	362.05	1,810.25
,						-
3.13	17.58	Providing lead caulked joints to sand cast iron/centrifugally cast				
2)	17.58.1	(spun) iron pipes and fittings of diameter : 100 mm	Each	20.00	622.50	- 12,450.00
a) b)	17.58.2	75 mm	Each	20.00	526.25	10,525.00
,						-
3.14	17.59	Providing and fixing M.S. stays and clamps for sand cast iron/				
2)	17.59.1	centrifugally cast (spun) iron pipes of diameter : 100 mm	Each	3.00	139.70	- 419.10
a) b)	17.59.2	75 mm	Each	3.00	90.30	270.90
,						-
3.15	17.60	Providing and fixing trap of self cleansing with screwed down or				
`	17 (0.1	hinged grating with or without vent arm complete, including cost of				-
a) i)	17.60.1 17.60.1.1	100 mm inlet and 100 mm outlet Sand cast iron S&S as per IS: 3989.	Each	3.00	1996.50	- 5,989.50
1)	17.00.1.1	Sand east non 565 as per 15. 5707.	Lacii	5.00	1770.50	-
3.16	17.61	Cutting chases in brick masonry walls for following diameter sand				
		cast iron/ centrifugally cast (spun) iron pipes and making good the				
		same with cement concrete 1:3:6 (1 cement : 3 coarse sand :6 graded stone aggregate 12.5 mm nominal size), including necessary plaster				
a)	17.61.1	100 mm dia	Metre	3.00	713.20	2,139.60
,						-
3.17	17.65	Painting sand cast iron/ centrifugally cast (spun) iron soil, waste vent				
		pipes and fittings with two coats of synthetic enamel paint of any colour such as chocolate grey, or buff etc. over a coat of primer (of				
		approved quality) for new work :				
						-
a)	17.65.1	100 mm diameter pipe	Metre	2.00	82.80	165.60
b)	17.65.2	75 mm diameter pipe	Metre	2.00	62.95	125.90
3.18	17.69	Providing and fixing PTMT Waste Coupling for wash basin and sink,				-
2.10	11.07	of approved quality and colour.				-
a)	17.69.2	Waste coupling 38 mm dia of 83 mm length and 77mm breadth,				
		weighing not less than 60 gms	Each	1.00	122.40	122.40
3.19	17.70	Providing and fixing PTMT Bottle Trap for Wash basin and sink.				-
2.17	1,.,0	and annung Zouro Frup for Hubi ouoni and oniki				-

a)	17.70.1	Bottle trap 31mm single piece moulded with height of 270 mm, effective length of tail pipe 260 mm from the centre of the waste coupling, 77 mm breadth with 25 mm minimum water seal, weighing not less than 260 gms	Each	1.00	367.10	367.10
		Total of sub-head				106,434.20
4.00	18.00	WATER SUPPLY				_
4.01	18.7	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge.				_
		Internal work - Exposed on wall				-
a)	18.7.2	20 mm nominal outer dia Pipes	Metre	2.50	335.00	837.50
b)	18.7.3	25 mm nominal outer dia Pipes	Metre	3.00	401.55	1,204.65
c)	18.7.4	32 mm nominal outer dia Pipes	Metre	6.00	518.75	3,112.50
4.02	18.8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge.				
		Concealed work, including cutting chases and making good the walls etc.				-
a)	18.8.1	15 mm nominal outer dia Pipes	Metre	6.00	497.80	2,986.80
b)	18.8.2	20 mm nominal outer dia Pipes	Metre	5.00	537.60	2,688.00
c)	18.8.3	25 mm nominal outer dia Pipes	Metre	10.00	627.25	6,272.50
d)	18.8.4	32 mm nominal outer dia Pipes	Metre	4.00	739.30	2,957.20
4.03	18.9	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge.				-
a)	18.9.2	20 mm nominal outer dia Pipes	Metre	10.00	274.30	2,743.00
b)	18.9.3	25 mm nominal outer dia Pipes	Metre	5.00	355.40	1,777.00
c)	18.9.4	32 mm nominal outer dia Pipes	Metre	10.00	438.60	4,386.00
4.04	18.13	Making connection of G.I. distribution branch with G.I. main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete :				-
a)	18.13.1	25 to 40 mm nominal bore	Each	1.00	911.90	911.90
4.05	18.16	Providing and fixing brass stop cock of approved quality :				-
a)	18.16.1	15 mm nominal bore	Each	5.00	353.25	1,766.25
b)	18.16.2	20 mm nominal bore	Each	3.00	379.20	1,137.60
4.06	18.17	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :				-
a)	18.17.1	25mm nominal bore	Each	5.00	622.40	3,112.00
b)	18.17.2	32mm nominal bore	Each	3.00	689.60	2,068.80
c)	18.17.3	40mm nominal bore	Each	3.00	826.10	2,478.30

4.07 a)	18.18 18.18.3	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 25 mm nominal bore	Each	2.00	464.05	928.10
4.08	18.19	Providing and fixing gun metal non-return valve of approved quality	Lach	2.00	-005	-
,		(screwed end)				-
a) (i)	18.19.1 18.19.1.2	25 mm nominal bore Vertical	Each	1.00	624.10	624.10
(-)						
b) (ii)	18.19.2 18.19.2.2	32 mm nominal bore Vertical	Each	1.00	850.25	850.25
(11)	10.19.2.2	Ventear	Each	1.00	850.25	850.25
c)	18.19.3	40 mm nominal bore	Est	1.00	1124 70	-
(iii)	18.19.3.2	vertical	Each	1.00	1134.70	1,134.70
4.09	18.20	Providing and fixing brass ferrule with C.I. mouth cover including boring and tapping the main :				_
a)	18.20.3	25 mm nominal bore	Each	3.00	486.80	1,460.40
4.10	18.21	Providing and fixing uplasticised PVC connection pipe with brass unions :				-
a)	18.21.2	45 cm length				-
i)	18.21.2.1	15 mm nominal bore	Each	4.00	97.75	391.00
4.12	18.48	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable				-
a)	18. 48B	locking arrangement and making necessary holes for inlet, outlet and Rectangular tank	Lite	1000.00	11.00	11,000.00
4.13	18.49	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 :				-
a)	18.49.1	15 mm nominal bore	Each	12.00	506.80	- 6,081.60
4.1.4	10 51					-
4.14	18.51	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms.				
a)	18.51.1	15 mm nominal bore	Each	2.00	798.95	1,597.90
4.15	18.52	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931.				_
a)	18.52.1	15 mm nominal bore.	Each	5.00	670.45	3,352.25
						-
4.17	18.58	Providing and fixing PTMT grating of approved quality and colour.				-
-)	10 50 1	Circulatore				-
a) i)	18.58.1 18.58.1.1	Circular type. 100 mm nominal dia.	Each	10.00	37.60	376.00
4.18	18. 77	Cutting holes up to 15x15 cm in R.C.C. floors and roofs for passing drain pipe etc. and repairing the hole after insertion of drain pipe etc. with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), including finishing complete so as to				-
		make it leak proof.	Each	4.00	452.00	1,808.00
		Total of sub-head				70,044.30
5.00	19	SEWARAGE & DRAINAGE		0.00	0.00	-
5.01	19.1	Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete :				
a)	19.1.1	100 mm diameter	Metre	7.00	443.60	3,105.20

b)	19.1.2	150 mm diameter	Metre	6.00	695.80	4,174.80
5.02	19. 2	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round S.W. pipes including bed concrete as per standard design :				-
a) b)	19.2.1 19.2.2	100 mm diameter S.W. pipe 150 mm diameter S.W. pipe	Metre Metre	7.00 6.00	964.75 1179.85	6,753.25 7,079.10
5.03	19.4	Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70				-
a) i)	19.4.2 19.4.2.1	150 x 100 mm size P type With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	2.00	2734.20	- 5,468.40
5.04	19.7	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design :				-
a)	19.7.1	Inside size 90x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) :				-
i)	19.7.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	2.00	12770.55	25,541.10
5.05	19.8	Extra for depth for manholes :				-
a) i)	19.8.1 19.8.1.1	Size 90x80 cm With common burnt clay F.P.S. (non modular) bricks of class				-
		designation 7.5	Metre	1.00	8825.40	8,825.40
5.06	19.15.2	Providing M.S. foot rests including fixing in manholes with 20x20x10cm cement concrete blocks 1:3:6 (1 cement : 3 coarse sand : 6graded stone aggregate 20 mm nominalsize) as per standard design :				
			Each	4.00	496.50	1,986.00
5.07	19.19	Providing and fixing in position pre-cast R.C.C. manhole cover and frame of required shape and approved quality				-
a) i)	19.19.2 19.19.2.1	M D - 10 Square shape 450 mm internal dimension	Each	2.00	1386.55	2,773.10
5.08	19.21	Making connection of drain or sewer line with existing manhole including breaking into and making good the walls, floors with cement concrete 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) cement plastered on both sides with cement mortar 1:3 (1 cement : 3 coarse sand), finished with a floating coat of neat cement and making necessary channels for the drain etc. complete :				-
a)	19.21.1	For pipes 100 to 250 mm diameter	Each	2.00	810.45	1,620.90
		Total of sub-head			l	67,327.25

ESTIMATE OF FOR CONSTRUCTION OF ADDITIONAL DORMITORY & STAFF QUARTERS AT

ABSTRACT

SUB HEAD	PARTICULARS		AMOUNT SR ITEMS	AS PER NS ITEMS
Ι	WIRING		44,060.00	-
II	SUPPLY OF FITTINGS AND FANS		4,619.00	91,886.90
III	BOARDS & DISTRIBUTION BOARDS		38,136.00	-
IV	EARTHING		11,125.00	-
V	STREET LIGHTING ON BUILDING		6,378.00	8,257.25
	TOTAL	Say in Lacs	104,318.00 1.04	100,144.15 1.00

ESTIMATE OF FOR CONSTRUCTION OF ADDITIONAL DORMITORY & STAFF QUARTERS AT JNV KUPWARA, JAMMU AND KASHMIR

Cost Estimate of Girls Dormitory

SI. No.	DSR- 2022	DESCRIPTION	UNIT	QTY.	RATE (AS PER SR)	RATE (AS PER NS)	(All Amou AMOUNT (SR ITEMS)	AMOUNT (NS ITEMS)
1.00		SUBHEAD - I - WIRING						
1.01	1.10	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.						
a)	1.10.3	Group C	Each	8.00	1467.00		11736.00	0.00
1.02	1.12	Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit alongwith 1 No. 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	Metre	10.00	334.00		3340.00	0.00
1.03	1.6	Wiring for light/ power plug with 4X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit alongwith 2 Nos. 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	Metre	10.00	662.00		6620.00	0.00
1.04	1.27	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required.	Each	10.00	343.00		3430.00	0.00
a)	1.27.3	4 Module (125 mmX75 mm)						
1.05	1.24	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.						
a)	1.24.3	15/16 A switch	Each	5.00	156.00		780.00	0.00
b) c)	1.24.4 1.24.7	3 pin 5/6 A socket outlet TV antenna socket outlet	Each Each	5.00 5.00	122.00 148.00		610.00 740.00	0.00
1.06	1.7	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required.						
a) b)	1.7.1 1.7.4	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire 2 X 6 sq. mm + 1 X 6 sq. mm earth wire	Metre Metre	5.00 5.00	327.00 589.00		1635.00 2945.00	0.00
c)	1.7.5	2×10 sq. mm + 1 $\times 6$ sq. mm earth wire	Metre	5.00	710.00		3550.00	0.00
d)	1.7.8	4 X 4 sq. mm + 2 X 4 sq. mm earth wire	Metre	5.00	677.00		3385.00	0.00
1.07	1.19	Supplying and drawing co-axial TV cable RG-6 grade, 0.7 mm solid copper conductor PE insulated, shielded with fine tinned copper braid and protected with PVC sheath in the existing surface/recessed steel/PVC conduit as required.	Metre	10.00	47.00		470.00	0.00
1.08	1.20	Supplying and fixing of following sizes of steel conduit along with accessories in surface/recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required.						
a)	1.20.2	25 mm	Metre	10.00	256.00		2560.00	0.00
1.09	1.27	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required.						
a)	1.27.1	1 or 2 Module (75 mmX75 mm)	Each	3.00	298.00		894.00	0.00
1.10	1.21	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.						
a) b)	1.21.1 1.21.2	20 mm 25 mm	Metre	5.00 5.00	128.00 145.00		640.00 725.00	
0)	1.21.2	23 mm	Metre	5.00	143.00		723.00	
		TOTAL OF SUBHEAD - 1					44060.00	0.00
2.00		SUBHEAD - II - SUPPLY & INSTALLATION OF FITTINGS						
2.01	M . R	Supplying of following box type Fl. fitting made out of CRCA sheet finished in antirust treated non-yellowing super white stove enamelled paint duly wired with copper wound heavy duty choke starter holder, starter but without lamp complete etc. as reqd.						

a)		Mounting rail for TLED lamps 1600 Lumens (TMC 501 P 1xT-						
b)		LED with Essential LED 18W Tube) Sereno 42 watt 2950 lumens philips SP824 P LED 30S-5000 GR OA	Each Each	5.00		585.35 9366.25	0.00	2926.75 46831.25
2.02	MD			5.00		7500.25	0.00	10051.25
2.02	M . R	Supplying of wall mounted suitable for 1300 Lumens complete with ballast & accessories such as wire guard etc. complete as required.						
a)		15W Astra Surface & wall mounted 1300 Lumens (Philips BN150W LED13S-6500 PSE OD GR)	Each	3.00		2458.65	0.00	7375.95
2.03	M.R	Supplying of wall bracket light fittings suitable for 11 / 13 W CFL lamp. The fitting shall be made up of M.S. powder coated provided with integral ballast, frosted glass and 1 no. 11 / 13 W lamp duly wired upto the connector block complete as required. (Decon Cat. No.05AAM)		5.00		1170.80	0.00	5854.00
2.04	M.R	Supplying of ceiling light fittings suitable for 1 x 15/20 W LED lamp. The fitting shall be made up of M.S. powder coated provided with electronic ballast, 1 no. 15/20 W LED lamp duly wired upto the connector block etc. complete as required.						
		Cirrus Mini Pro 15 / 20 watt & 1100 /1600 Lumens (Philips SM200C LED11S 6500 PSU OD WH)	Each	5.00		2868.45	0.00	14342.25
2.05	M.R.	Supplying of bulk head fittings suitable for 10 W LED lamp complete with ballast & accessories such as glass, wire guard, 60 W CFL lamp etc. complete as required.						
		Endural LED-Bulkhead, 10 W, 600 lumen Such as (Philips WT202W LED6S CW PSU S2 PC)	Each	2.00		1697.60	0.00	3395.20
2.06	M . R	Supplying of exhaust fan, all complete with mounting ring frame i/c bracket, but without regulator with shutters in the following sizes. (G.E. ALSTHOM, KHAITAN & HAVELL'S COMPANY)						
a)	a)	300 mm 4 Pole	Each	3.00		1639.10	0.00	4917.30
2.07	M . R	Supplying of 1400 mm sweep A.C. electric Ceiling fans, capacitor type with double ball bearing complete with 300 mm down rod, canopies, shackles, blades, but without regulator suitable for operation on 230 / 240 Volts, 50 Hz, single phase, A.C. supply. (CROMPTON, KHAITAN & HAVELL'S COMPANY)		3.00		2081.40	0.00	6244.20
2.08	1.25	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.		3.00	369.00		1107.00	0.00
2.09	1.45	Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable, including providing and fixing phenolic laminated sheet cover on the fan box etc. as required.		3.00	339.00		1017.00	0.00
2.10	1.41	Installation, testing and commissioning of pre-wired, Light Fixture / compact fluorescent fitting of all types, complete with all accessories and tube/lamp etc. directly on ceiling/ wall, including connections with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required.		4.00	206.00		824.00	0.00
2.11	1.50	Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as						0.00
a)	1.50.1	required. Upto 450 mm sweep	Each	2.00	450.00		900.00	0.00
2.12	1.51	Extra for fixing the louvers/ shutters complete with frame for a exhaust fan of all sizes.	Each	2.00	207.00		414.00	0.00
2.13	1.35	Installation, testing and commissioning of wall bracket /ceiling fittings of all sizes and shapes containing upto two GLS/CFL/ LED lamps per fitting, complete with all accessories including connections etc. as required.		3.00	119.00		357.00	0.00
2.14	1.38	Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required.	Each	0.00	99.00		0.00	0.00
		TOTAL OF SUBHEAD - II.	Lucii	0.00			4619.00	91886.90
3.00		SUBHEAD - III - DISTRIBUTION BOARD						

2.01								
3.01	2.4	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar,						
		interconnections, powder painted including earthing etc. as required. (But						
a)	2.4.2	without MCB/RCCB/ Isolator) 6 way (4 + 18), Double door	Each.	2.00	4974.00		9948.00	0.00
,				2.00	4774.00		<u> </u>	0.00
3.02	2.13	Supplying and fixing following rating, four pole, 415 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.						
a)	2.13.3	100 A	Each	2.00	1227.00		2454.00	0.00
3.03	2.15	Supplying and fixing following rating, four pole, (three phase and neutral), 415 V, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.						
a)	2.15.3	63 A	Each	2.00	2872.00		5744.00	0.00
3.04	2.12	Supplying and fixing following rating, double pole, 240 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.						
a)	2.12.1	40 amps	Each	2.00	435.00		870.00	0.00
3.05	2.3	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)						
a) b)	2.3.3	12 way , Double door 16 way, Double door	Each Each	2.00 2.00	2053.00 2453.00		4106.00 4906.00	0.00
3.06	2.14	Supplying and fixing following rating, double pole, (single phase						
5.00	2.14	and neutral), 240 V, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.						
(a)		25 A	Each	2.00	2028.00		4056.00	0.00
(b)	2.14.2	40 A	Each	2.00	2642.00		5284.00	0.00
3.07	2.10	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.						
a)	2.10.1	Single pole	Each	3.00	256.00		768.00	0.00
		TOTAL OF SUBHEAD - III.					38136.00	0.00
4.00		SUBHEAD - IV - EARTHING						
4.01	5.2	Earthing with G.I. earth pipe 4.5 meter long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as						
		required.	Each	1.00	6855.00		6855.00	0.00
4.02	5.12	Providing and laying earth connection from earth electrode with 6 SWG dia G.I. Wire in 15 mm dia G.I. pipe from earth electrode including connection with G.I. thimble excavation and re-filling as required.						
			Metre	10.00	287.00		2870.00	0.00
4.03	5.16	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing as required.	Metre	20.00	70.00		1400.00	0.00
		TOTAL OF SUBHEAD - IV					11125.00	0.00
5.00		SUBHEAD - V - STREET LIGHTING ON BUILDING						
5.01	M.R.	Supplying, installing, testing and commissioning of 2 x 36W general purpose flourescent street light fittings with sheet aluminium housing and UV stabilized acrylic cover complete with chokes, starter holders, condensers, reflector cover etc. as reqd. (Philips Cat No. TRC 33 / 236 HPF) (To be fixed directly on wall of building)		2.00		3234.55	0.00	6469.10
			Set	2.00		5254.55	0.00	0+07.10
5.02	12.34	Supplying and fixing of 32 mm dia X 2.00 meter long G.I. pipe (medium class) bracket for mounting of fluorescent / HPMV / HPSV street light fitting on pole including bending the pipe to the required shape, 2 Nos. 40 mm X 3 mm flat iron clamps with nuts, bolts and washer, painting the flat iron with primer and finish paint etc. as required.						
			Each	2.00	1477.00		2954.00	0.00

		G. TOTAL (I TO V)						204462.15
		TOTAL (I TO V)					104318.00	100144.15
		TOTAL OF SUBHEAD - V.					6378.00	8257.25
a)	14.14.1	100 mm dia	Metre	3.00	662.00		1986.00	0.00
5.09	14.14	Providing, laying and fixing following dia RCC pipe NP2 class (light duty) in ground complete with RCC collars, jointing withcement mortar 1:2 (1 cement : 2 fine sand) including trenching (75 cm deep) and refilling etc. as required.						
5.08	MR	Supply & fixing of 150x200 mm 60mm deep MS junction box recess or surface on wall with 3mm bakalite cover 15 overlapping 15 all sides of junction Box & housing 4way 32amps bakelie connector to terminate incoming & outgoing armoured cable & & wiring the light fixture with 3x1.5 sq mm PVC insulated coppwer wire including interconnection ets as reqired .(Cost of termination of armoured cable with gland is not to be included as the same is payable under separate item no 5.07 of this SUBHEAD)		2.00		746.40	0.00	1492.80
a)	9.1.1	2 X 6 sq. mm (19mm)	Each	2.00	240.00		480.00	0.00
5.07	9.1	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 kV grade as required.						
a)	7.7.1	Upto 35 sq. mm (clamped with 1mm thick saddle)	Metre	2.00	55.00		110.00	0.00
5.06	7.7	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 kV grade of following size on wall surface as required.						
a)	7.5.1	Upto 35 sq. mm	Metre	2.00	37.00		74.00	0.00
5.05	7.5	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 kV grade of following size in the existing RCC/ HUME/ METAL pipe as required.						
a)	7.1.1	Upto 35 sq. mm	Metre	2.00	387.00		774.00	0.00
5.04	7.1	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 kV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc. as required.						
a)	a)	2 x 4 sq.mm	Metre	3.00		98.45	0.00	295.35
5.03	MR	Supply of following sizes of FRLS 1.1 KV stranded compact circular aluminium conductor screened with extruded semi conducting compound, XLPE insulated,Al round wire armoured & overall PVC sheathed cableconforming to IS to IS 7098 (Part-I) with latest amendments						

S.N.	DESCRIPTION OF ITEM	DSR-	QUANTIT	V LINUT	RATES	AMOUNT	m. AMOUNT
		2021	QUANIII	Y UNIT	KATES	DSR ITEM	IM.R. ITEM
A 1	Earth Work Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in						
	foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including						
	dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the						
	excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.						
	All kinds of soil	2.0.1	201.59	CUN	260.20	79 501 27	
2	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations	2.8.1	301.58	CUM	260.30	78,501.27	
2	etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming						
	and watering, lead upto 50 m and lift upto 1.5 m.	2.25	226.19	CUM	196.00	44,333.24	
3	Supplying and filling in plinth with sand under floors, including watering,					,	
	ramming, consolidating and dressing complete.	2.27	29.33	CUM	2123.75	62,289.59	
4	Excavating, supplying and filling of local earth (including royalty) by mechanical transport						
	upto a lead of 5km also including ramming and watering of the earth in layers not						
	exceeding 20 cm in trenches, plinth, sides of foundation etc. complete.	2.25a	90.20	CUM	700.50	63,185.10	
B	Concrete Work						
5	Providing and laying in position cement concrete of specified grade excluding the cost of						
	centering and shuttering - All work up to plinth level :1:5:10 (1 cement : 5 coarse sand						
	(zone-III) derived from natural sources : 10 graded stone aggregate 40 mm nominal size derived from natural sources)	4.1.10	49.44	CUM	6518.60	322,279.58	
6	Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1	1.1.10	77.74	CON	0010.00	522,217.30	
	cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate						
	12.5mm nominal size derived from natural sources)	4.10	43.19	SQM	410.85	17,744.61	
7	Providing & applying a coat of residual petroleum bitumen of grade of VG-10 of approved						
	quality using 1.7kg per square metre on damp proof course after cleaning the surface with						
	brushes and finally with a piece of cloth lightly soaked in kerosene oil.				146.00		
0	Making alight materials form dial for the task of the task of the task	4.13	43.19	SQM	146.15	6,312.22	
8	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand						
	(zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources) over 75mm thick bed of dry						
	brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine						
	sand,including necessary excavation, levelling & dressing & finishing the top smooth.						
	sand, including necessary excluding evening a dressing a miniming the top smooth.	4.17	70.070	SQM	749.30	52,503.45	
9	Brick edging in full brick width and half brick depth including excavation, refilling and						
	disposal of surplus earth lead upto 50 metres. With common burnt clay F.P.S. (non						
	modular) bricks of class designation 7.5	16.7.1	116.79	RM	194.30	22,692.30	
C	Reinforced Cement Concrete			1			
10	Centering and shuttering including strutting, propping etc. and removal of form for all						
(a)	heights : Foundations, footings, bases of columns, etc. for mass concrete.	5.9.1	103.97	SQM	392.15	40,771.84	
(b)	Suspended floors, roofs, landings, balconies and access platform.	5.9.3	824.93	SQM	927.25	764,916.34	
	Lintels, beams, plinth beams, girders, bressumers	5.9.5	934.74	SQM	736.40	688,342.54	
	Columns, Pillars, Piers, Abutments, Posts and Struts.	5.9.6	763.34	SQM	961.30	733,798.74	
(e)	Edges of slabs and breaks in floors and walls Under 20 cm wide.	5.9.16.1	681.55	RM	208.55	142,137.25	
11	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in						
	position and binding all complete upto plinth level. Thermo-Mechanically Treated bars of	5 22 (01.16	OTI	10785.00	975 210 (0	
12	grade Fe-500D or more. Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in	5.22.6	81.16	QTL.	10785.00	875,310.60	
12	position and binding all complete above plinth level. Thermo-Mechanically Treated bars						
	of grade Fe-500 D or more.	5.22.A.6	219.86	QTL.	10785.00	2,371,190.10	
13	Add for plaster drip course/ groove in plastered surface or moulding to R.C.C. projections.			X		_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
		5.30	539.52	RM	78.40	42,298.37	
14	Providing and laying in position ready mixed or site batched design mix cement concrete						
	for reinforced cement concrete work; using coarse aggregate and fine aggregate derived						
	from natural sources, Portland Pozzolana / Ordinary Portland /Portland Slag cement,						
	admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of						
	concrete, to improve durability and workability without impairing strength; including						
	pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost						
	of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-						
	charge; for the following grades of concrete. Note: Extra cement up to 10% of the minimum specified cement content in design mix						
	shall be payable separately. In case the cement content						
	in design mix is more than 110% of the specified minimum cement content, the contractor						
	shall have discretion to either re-design the mix or bear the cost of extra cement.						
	All works unto plinth level	5.33					
(1)	All works upto plinth level Concrete of M25 grade with minimum cement	5.33.1					
	content of 330 kg /cum	5.33.1.1					
	(i) R.C.C. work in Footing	5.33.1.1	68.65	CUM	9504.75	652,501.09	
	(i) R.C.C. work in Beam	5.33.1.1	26.52	CUM	9504.75	252,065.97	
	(iii) R.C.C. work in Columns	5.33.1.1	5.48	CUM	9504.75	52,086.03	
II)	All works above plinth level upto floor V level	5.33.2					
	Concrete of M25 grade with minimum cement						
	content of 330 kg /cum	5.33.2.1	0.67	CIRC	00/0 10	0/ 00 - 0-	
	(i) R.C.C. work in Lintel	5.33.2.1	2.67	CUM	9860.40	26,327.27	
	(ii) R.C.C. work in Beam (iii) R.C.C. work in Columns	5.33.2.1 5.33.2.1	54.53 60.00	CUM CUM	9860.40 9860.40	537,687.61 591,624.00	
	(iii) R.C.C. work in Columns (iv) R.C.C. work in Slab	5.33.2.1	132.86	CUM	9860.40	1,310,052.74	
			102.00	UU1V1	2000.40	1,010,002.14	

1.5							
15	Providing and fixing of expansion joint system related with floor location as per drawings						
	and direction of Engineer-In-Charge. The joints system will be of extruded aluminum base						
	members, self aligning / self centering arrangement and support plates etc. as per ASTM						
	B221-02. The system shall be such that it provides floor to floor /floor to wall expansion						
	control system for various vertical localtion in load application areas that commodates						
	multi directional seismic movement without stress to it's components. System shall consist						
	of metal profiles with a universal aluminum base member designed to accommodate						
	various project conditions and finish floor treatments. The cover plate shall be designed of						
1	width and thickness required to satisfy projects movement and loading requirements and						
	secured to base members by utilizing manufacturer's pre-engineered self- centering						
	arrangement that freely rotates / moves in all directions. The Self - centering arrangement						
	shall exhibit circular sphere ends that lock and slide inside the corresponding aluminum						
	extrusion cavity to allow freedom of movement and flexure in all directions including						
	vertical displacement Provision of Moisture Barrier Membrane in the Joint System to	5.44				-	
	Floor Joint of 100 mm gap	5.44.1	3.60	RM	6392.55	23,013.18	
16	Providing and fixing of expansion joint system related with wall joint (internal/ external)						
	location as per drawings and direction of Engineer-In- Charge. The joints shall be of						
	extruded aluminum base members, self aligning / centering arrangement and support						
	plates as per ASTM B221- 02. The material shall be such that it provides an Expansion						
	Joints System suitable for vertical wall to wall/ wall to corner application, both new and						
	existing construction in office Buildings & complexes with no slipping down tendency						
	amongst the components of the Joint System. The Joint System shall utilize light weight						
	aluminum profiles exhibiting minimal exposed aluminum surfaces mechanically snap						
	locking the multicellular to facilitate movement. (Material shall confirm to ASTM 6063).	5.45					
	Wall Joint of 100 mm gap	5.45.1	17.90	RM	5305.65	94,971.14	
17	Providing and fixing of expansion joint system of approved make and manufacture for						
1	various roof locations as per approved drawings and direction of Engineer-In-Charge. The						
1	joints shall be of extruded aluminum base members with, self aligning and self centering						
1	arragement support plates as per ASTM B221-02. The system shall be such that it provides						
1							
1	water tight roof to roof /roof to corner joint cover expansion control system that is capable						
1	of accommodating multidirectional seismic movement without stress to its components.						
1	System shall consist of metal profile that incorporates a universal aluminum base member						
I	designed to						
1	accommodate various project conditions and roof treatments. The cover plate shall be						
	designed of width and thickness required to satisfy movement and loading requirements						
	and secured to base members by utilizing manufacturer's pre-engineered self-centering						
	arrangement that freely rotates / moves in all directions. The Self centering arrangement						
	shall exhibit circular sphere ends that lock and slide inside the corresponding aluminum						
	extrusion cavity to allow freedom of movement and flexure in all directions including						
	-						
	vertical displacement. The Joint System shall resists damage or deterioration from the						
	impact of falling ice, exposure to UV, airborne contaminants and occasional foot traffic						
	from maintenance personnel. Provision of Moisture Barrier Membrane in the Joint System						
	to have water tight joint is mandatory requirement.						
1	(Material shall confirm to ASTM 6063.)						
	(Material shall confirm to ASTM 6063.)						
	Roof Joint of 100 mm gap	5.46.1	7.04	RM	5985.70	42,139.33	
D	Roof Joint of 100 mm gap Masonry Work	5.46.1	7.04	RM	5985.70	42,139.33	
	Roof Joint of 100 mm gap Masonry Work Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class	5.46.1	7.04	RM	5985.70	42,139.33	
	Roof Joint of 100 mm gap Masonry Work						
18	Roof Joint of 100 mm gap Masonry Work Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.Cement mortar 1:4 (1 cement :4 coarse sand)	5.46.1 6.13.2	7.04	RM	5985.70 1123.80	42,139.33	
18	Roof Joint of 100 mm gap Masonry Work Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.Cement mortar 1:4 (1 cement :4 coarse sand)						
18	Roof Joint of 100 mm gap Masonry Work Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.Cement mortar 1:4 (1 cement :4 coarse sand) Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course						
18 19	Roof Joint of 100 mm gap Masonry Work Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.Cement mortar 1:4 (1 cement :4 coarse sand) Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry.	6.13.2	179.92	SQM	1123.80	202,194.10	
18	Roof Joint of 100 mm gap Masonry Work Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.Cement mortar 1:4 (1 cement :4 coarse sand) Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry. Brick work with non modular fly ash bricks conforming to IS:12894, class designation 10	6.13.2	179.92	SQM	1123.80	202,194.10	
18 19	Roof Joint of 100 mm gap Masonry Work Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.Cement mortar 1:4 (1 cement :4 coarse sand) Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry. Brick work with non modular fly ash bricks conforming to IS:12894, class designation 10 average compressive strength in superstructure above plinth level up to floor V level in :	6.13.2 6.15	179.92 179.92	SQM SQM	1123.80 104.80	202,194.10	
18 19 20	Roof Joint of 100 mm gap Masonry Work Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.Cement mortar 1:4 (1 cement :4 coarse sand) Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry. Brick work with non modular fly ash bricks conforming to IS:12894, class designation 10 average compressive strength in superstructure above plinth level up to floor V level in : Cement mortar 1:6 (1 cement : 6 coarse sand)	6.13.2	179.92	SQM	1123.80	202,194.10	
18 19	Roof Joint of 100 mm gap Masonry Work Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.Cement mortar 1:4 (1 cement :4 coarse sand) Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry. Brick work with non modular fly ash bricks conforming to IS:12894, class designation 10 average compressive strength in superstructure above plinth level up to floor V level in : Cement mortar 1:6 (1 cement : 6 coarse sand) Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5	6.13.2 6.15	179.92 179.92	SQM SQM	1123.80 104.80	202,194.10	
18 19 20	Roof Joint of 100 mm gap Masonry Work Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.Cement mortar 1:4 (1 cement :4 coarse sand) Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry. Brick work with non modular fly ash bricks conforming to IS:12894, class designation 10 average compressive strength in superstructure above plinth level up to floor V level in : Cement mortar 1:6 (1 cement : 6 coarse sand) Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:6 (1	6.13.2 6.15 6.34.2	179.92 179.92 221.38	SQM SQM CUM	1123.80 104.80 8752.55	202,194.10 18,855.62 1,937,639.52	
18 19 20 21	Roof Joint of 100 mm gap Masonry Work Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.Cement mortar 1:4 (1 cement :4 coarse sand) Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry. Brick work with non modular fly ash bricks conforming to IS:12894, class designation 10 average compressive strength in superstructure above plinth level up to floor V level in : Cement mortar 1:6 (1 cement : 6 coarse sand) Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:6 (1	6.13.2 6.15	179.92 179.92	SQM SQM	1123.80 104.80	202,194.10	
18 19 20 21	Roof Joint of 100 mm gap Masonry Work Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.Cement mortar 1:4 (1 cement :4 coarse sand) Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry. Brick work with non modular fly ash bricks conforming to IS:12894, class designation 10 average compressive strength in superstructure above plinth level up to floor V level in : Cement mortar 1:6 (1 cement : 6 coarse sand) Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: cement : 6 coarse sand) Cladding Work	6.13.2 6.15 6.34.2	179.92 179.92 221.38	SQM SQM CUM	1123.80 104.80 8752.55	202,194.10 18,855.62 1,937,639.52	
18 19 20 21	Roof Joint of 100 mm gap Masonry Work Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.Cement mortar 1:4 (1 cement :4 coarse sand) Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry. Brick work with non modular fly ash bricks conforming to IS:12894, class designation 10 average compressive strength in superstructure above plinth level up to floor V level in : Cement mortar 1:6 (1 cement : 6 coarse sand) Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: cement : 6 coarse sand) Cladding Work Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and	6.13.2 6.15 6.34.2	179.92 179.92 221.38	SQM SQM CUM	1123.80 104.80 8752.55	202,194.10 18,855.62 1,937,639.52	
18 19 20 21	Roof Joint of 100 mm gap Masonry Work Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.Cement mortar 1:4 (1 cement :4 coarse sand) Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry. Brick work with non modular fly ash bricks conforming to IS:12894, class designation 10 average compressive strength in superstructure above plinth level up to floor V level in : Cement mortar 1:6 (1 cement : 6 coarse sand) Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cladding Work Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills , facias and	6.13.2 6.15 6.34.2	179.92 179.92 221.38	SQM SQM CUM	1123.80 104.80 8752.55	202,194.10 18,855.62 1,937,639.52	
18 19 20 21	Roof Joint of 100 mm gap Masonry Work Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.Cement mortar 1:4 (1 cement :4 coarse sand) Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry. Brick work with non modular fly ash bricks conforming to IS:12894, class designation 10 average compressive strength in superstructure above plinth level up to floor V level in : Cement mortar 1:6 (1 cement : 6 coarse sand) Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:6 (1 cement : 6 coarse sand) Cladding Work Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills , facias and similar locations of required size, approved shade, colour and texture laid over 20 mm	6.13.2 6.15 6.34.2	179.92 179.92 221.38	SQM SQM CUM	1123.80 104.80 8752.55	202,194.10 18,855.62 1,937,639.52	
18 19 20 21	Roof Joint of 100 mm gap Masonry Work Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.Cement mortar 1:4 (1 cement :4 coarse sand) Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry. Brick work with non modular fly ash bricks conforming to IS:12894, class designation 10 average compressive strength in superstructure above plinth level up to floor V level in : Cement mortar 1:6 (1 cement : 6 coarse sand) Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cladding Work Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills , facias and	6.13.2 6.15 6.34.2	179.92 179.92 221.38	SQM SQM CUM	1123.80 104.80 8752.55	202,194.10 18,855.62 1,937,639.52	
18 19 20 21	Roof Joint of 100 mm gap Masonry Work Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.Cement mortar 1:4 (1 cement :4 coarse sand) Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry. Brick work with non modular fly ash bricks conforming to IS:12894, class designation 10 average compressive strength in superstructure above plinth level up to floor V level in : Cement mortar 1:6 (1 cement : 6 coarse sand) Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:6 (1 cement : 6 coarse sand) Cladding Work Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills , facias and similar locations of required size, approved shade, colour and texture laid over 20 mm	6.13.2 6.15 6.34.2	179.92 179.92 221.38	SQM SQM CUM	1123.80 104.80 8752.55	202,194.10 18,855.62 1,937,639.52	
18 19 20 21	Roof Joint of 100 mm gap Masonry Work Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.Cement mortar 1:4 (1 cement :4 coarse sand) Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry. Brick work with non modular fly ash bricks conforming to IS:12894, class designation 10 average compressive strength in superstructure above plinth level up to floor V level in : Cement mortar 1:6 (1 cement : 6 coarse sand) Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:6 (1 cement : 6 coarse sand) Cladding Work Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills , facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and	6.13.2 6.15 6.34.2	179.92 179.92 221.38	SQM SQM CUM	1123.80 104.80 8752.55	202,194.10 18,855.62 1,937,639.52	
18 19 20 21	Roof Joint of 100 mm gap Masonry Work Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.Cement mortar 1:4 (1 cement :4 coarse sand) Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry. Brick work with non modular fly ash bricks conforming to IS:12894, class designation 10 average compressive strength in superstructure above plinth level up to floor V level in : Cement mortar 1:6 (1 cement : 6 coarse sand) Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:6 (1 cement : 6 coarse sand) Cladding Work Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills , facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement,	6.13.2 6.15 6.34.2	179.92 179.92 221.38	SQM SQM CUM	1123.80 104.80 8752.55	202,194.10 18,855.62 1,937,639.52	
18 19 20 21	Roof Joint of 100 mm gap Masonry Work Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.Cement mortar 1:4 (1 cement :4 coarse sand) Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry. Brick work with non modular fly ash bricks conforming to IS:12894, class designation 10 average compressive strength in superstructure above plinth level up to floor V level in : Cement mortar 1:6 (1 cement : 6 coarse sand) Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:6 (1 cement : 6 coarse sand) Cladding Work Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills , facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and	6.13.2 6.15 6.34.2 6.1.2	179.92 179.92 221.38	SQM SQM CUM	1123.80 104.80 8752.55	202,194.10 18,855.62 1,937,639.52	
18 19 20 21 E	Roof Joint of 100 mm gap Masonry Work Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.Cement mortar 1:4 (1 cement :4 coarse sand) Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry. Brick work with non modular fly ash bricks conforming to IS:12894, class designation 10 average compressive strength in superstructure above plinth level up to floor V level in : Cement mortar 1:6 (1 cement : 6 coarse sand) Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: cement : 6 coarse sand) Cladding Work Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills , facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. Granite stone slab colour black, Cherry/Ruby red	6.13.2 6.15 6.34.2 6.1.2 8.2	179.92 179.92 221.38	SQM SQM CUM	1123.80 104.80 8752.55	202,194.10 18,855.62 1,937,639.52	
18 19 20 21 E 22	Roof Joint of 100 mm gap Masonry Work Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.Cement mortar 1:4 (1 cement :4 coarse sand) Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry. Brick work with non modular fly ash bricks conforming to IS:12894, class designation 10 average compressive strength in superstructure above plinth level up to floor V level in : Cement mortar 1:6 (1 cement : 6 coarse sand) Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:6 (1 cement : 6 coarse sand) Cladding Work Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills , facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. Granite stone slab colour black, Cherry/Ruby red Area of slab upto 0.50 sqm	6.13.2 6.15 6.34.2 6.1.2 8.2 8.2.2 8.2.2 8.2.2.1	179.92 179.92 221.38 43.11	SQM SQM CUM CUM	1123.80 104.80 8752.55 7132.25 5413.50	202,194.10 18,855.62 1,937,639.52 307,471.30 5,684.18	
18 19 20 21 E 22 23	Roof Joint of 100 mm gap Masonry Work Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.Cement mortar 1:4 (1 cement :4 coarse sand) Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry. Brick work with non modular fly ash bricks conforming to IS:12894, class designation 10 average compressive strength in superstructure above plinth level up to floor V level in : Cement mortar 1:6 (1 cement : 6 coarse sand) Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:6 (1 cement : 6 coarse sand) Cladding Work Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills , facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. Granite stone slab colour black, Cherry/Ruby red Area of slab upto 0.50 sqm	6.13.2 6.15 6.34.2 6.1.2 8.2 8.2.2	179.92 179.92 221.38 43.11	SQM SQM CUM CUM	1123.80 104.80 8752.55 7132.25	202,194.10 18,855.62 1,937,639.52 307,471.30	
18 19 20 21 E 22 23	Roof Joint of 100 mm gap Masonry Work Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.Cement mortar 1:4 (1 cement :4 coarse sand) Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry. Brick work with non modular fly ash bricks conforming to IS:12894, class designation 10 average compressive strength in superstructure above plinth level up to floor V level in : Cement mortar 1:6 (1 cement : 6 coarse sand) Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:6 (1 cement : 6 coarse sand) Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:6 (1 cement : 6 coarse sand) Cladding Work Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills , facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. Granite stone slab colour black, Cherry/Ruby red Area of slab upto 0.50 sqm Area of slab upto 0.50 sqm Providing edge moulding to 18mm thick marble stone counters, Vanities etc. including	6.13.2 6.15 6.34.2 6.1.2 8.2 8.2.2 8.2.2 8.2.2.1	179.92 179.92 221.38 43.11	SQM SQM CUM CUM	1123.80 104.80 8752.55 7132.25 5413.50	202,194.10 18,855.62 1,937,639.52 307,471.30 5,684.18	
18 19 20 21 E 22 23	Roof Joint of 100 mm gap Masonry Work Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.Cement mortar 1:4 (1 cement :4 coarse sand) Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry. Brick work with non modular fly ash bricks conforming to IS:12894, class designation 10 average compressive strength in superstructure above plinth level up to floor V level in : Cement mortar 1:6 (1 cement : 6 coarse sand) Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:6 (1 cement : 6 coarse sand) Cladding Work Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills , facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. Granite stone slab colour black, Cherry/Ruby red Area of slab upto 0.50 sqm Providing edge moulding to 18mm thick marble stone counters, Vanities etc. including machine polishing to edge to give high gloss finish etc. complete as per design approved	6.13.2 6.15 6.34.2 6.1.2 6.1.2 8.2 8.2.2 8.2.2.1 8.2.2.2	179.92 179.92 221.38 43.11	SQM SQM CUM CUM	1123.80 104.80 8752.55 7132.25 5413.50	202,194.10 18,855.62 1,937,639.52 307,471.30 5,684.18	
18 19 20 21 E 22 23	Roof Joint of 100 mm gap Masonry Work Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.Cement mortar 1:4 (1 cement :4 coarse sand) Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry. Brick work with non modular fly ash bricks conforming to IS:12894, class designation 10 average compressive strength in superstructure above plinth level up to floor V level in : Cement mortar 1:6 (1 cement : 6 coarse sand) Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:6 (1 cement : 6 coarse sand) Cladding Work Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills , facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. Granite stone slab colour black, Cherry/Ruby red Area of slab upto 0.50 sqm Providing edge moulding to 18mm thick marble stone counters, Vanities etc. including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge.	6.13.2 6.15 6.34.2 6.1.2 6.1.2 8.2 8.2.2 8.2.2 8.2.2.1 8.2.2.2 8.3	179.92 179.92 221.38 43.11 1.05 6.24	SQM SQM CUM CUM	1123.80 104.80 8752.55 7132.25 5413.50 5136.30	202,194.10 18,855.62 1,937,639.52 307,471.30 5,684.18 32,050.51	
18 19 20 21 E 21 E 22 23 24	Roof Joint of 100 mm gap Masonry Work Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.Cement mortar 1:4 (1 cement :4 coarse sand) Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry. Brick work with non modular fly ash bricks conforming to IS:12894, class designation 10 average compressive strength in superstructure above plinth level up to floor V level in : Cement mortar 1:6 (1 cement : 6 coarse sand) Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:6 (1 cement : 6 coarse sand) Cladding Work Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills , facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. Granite stone slab colour black, Cherry/Ruby red Area of slab upto 0.50 sqm Providing edge moulding to 18mm thick marble stone counters, Vanities etc. including manchine polishing to edges to give high gloss finish etc. complete as per design approved by Engineer-in-Charge.	6.13.2 6.15 6.34.2 6.1.2 6.1.2 8.2 8.2.2 8.2.2.1 8.2.2.2	179.92 179.92 221.38 43.11	SQM SQM CUM CUM	1123.80 104.80 8752.55 7132.25 5413.50	202,194.10 18,855.62 1,937,639.52 307,471.30 5,684.18	
18 19 20 21 E 22 23	Roof Joint of 100 mm gap Masonry Work Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.Cement mortar 1:4 (1 cement :4 coarse sand) Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry. Brick work with non modular fly ash bricks conforming to IS:12894, class designation 10 average compressive strength in superstructure above plinth level up to floor V level in : Cement mortar 1:6 (1 cement : 6 coarse sand) Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement is coarse sand) Brick work Cladding Work Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills , facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. Granite stone slab colour black, Cherry/Ruby red Area of slab upto 0.50 sqm Area of slab upto 0.50 sqm Providing edge moulding to 18mm thick marble stone counters, Vanities etc. including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge. Granite work E	6.13.2 6.15 6.34.2 6.1.2 6.1.2 8.2 8.2.2 8.2.2 8.2.2.1 8.2.2.2 8.3	179.92 179.92 221.38 43.11 1.05 6.24	SQM SQM CUM CUM	1123.80 104.80 8752.55 7132.25 5413.50 5136.30	202,194.10 18,855.62 1,937,639.52 307,471.30 5,684.18 32,050.51	
18 19 20 21 E 21 E 22 23 24	Roof Joint of 100 mm gap Masonry Work Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.Cement mortar 1:4 (1 cement :4 coarse sand) Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry. Brick work with non modular fly ash bricks conforming to IS:12894, class designation 10 average compressive strength in superstructure above plinth level up to floor V level in : Cement mortar 1:6 (1 cement : 6 coarse sand) Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement :6 coarse sand) Brick work Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills , facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. Granite stone slab colour black, Cherry/Ruby red Area of slab upto 0.50 sqm Area of slab over 0.50 sqm Providing edge moulding to 18mm thick marble stone counters, Vanities etc. including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge. Granite work Extra for fixing marble /granite stone over and a	6.13.2 6.15 6.34.2 6.1.2 8.2 8.2.2 8.2.2.1 8.2.2.2 8.3 8.3.2	179.92 179.92 221.38 43.11 1.05 6.24 10.41	SQM SQM CUM CUM SQM SQM SQM	1123.80 104.80 8752.55 7132.25 5413.50 5136.30 510.95	202,194.10 18,855.62 1,937,639.52 307,471.30 5,684.18 32,050.51 5,318.99	
18 19 20 21 E 21 21 22 23 24 25	Roof Joint of 100 mm gap Masonry Work Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.Cement mortar 1:4 (1 cement :4 coarse sand) Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry. Brick work with non modular fly ash bricks conforming to IS:12894, class designation 10 average compressive strength in superstructure above plinth level up to floor V level in : Cement mortar 1:6 (1 cement : 6 coarse sand) Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:6 (1 cement : 6 coarse sand) Cladding Work Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills , facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. Granite stone slab colour black, Cherry/Ruby red Area of slab upto 0.50 sqm Area of slab upto 0.50 sqm Providing edge moulding to 18mm thick marble stone counters, Vanities etc. including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge. Granite work Extra for fixing marble /gra	6.13.2 6.15 6.34.2 6.1.2 6.1.2 8.2 8.2.2 8.2.2 8.2.2.1 8.2.2.2 8.3	179.92 179.92 221.38 43.11 1.05 6.24	SQM SQM CUM CUM	1123.80 104.80 8752.55 7132.25 5413.50 5136.30	202,194.10 18,855.62 1,937,639.52 307,471.30 5,684.18 32,050.51	
18 19 20 21 E 21 E 22 23 24	Roof Joint of 100 mm gap Masonry Work Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.Cement mortar 1:4 (1 cement :4 coarse sand) Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry. Brick work with non modular fly ash bricks conforming to IS:12894, class designation 10 average compressive strength in superstructure above plinth level up to floor V level in : Cement mortar 1:6 (1 cement : 6 coarse sand) Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement :6 coarse sand) Brick work Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills , facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. Granite stone slab colour black, Cherry/Ruby red Area of slab upto 0.50 sqm Area of slab over 0.50 sqm Providing edge moulding to 18mm thick marble stone counters, Vanities etc. including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge. Granite work Extra for fixing marble /granite stone over and a	6.13.2 6.15 6.34.2 6.1.2 8.2 8.2.2 8.2.2.1 8.2.2.2 8.3 8.3.2	179.92 179.92 221.38 43.11 1.05 6.24 10.41	SQM SQM CUM CUM SQM SQM SQM	1123.80 104.80 8752.55 7132.25 5413.50 5136.30 510.95	202,194.10 18,855.62 1,937,639.52 307,471.30 5,684.18 32,050.51 5,318.99	
18 19 20 21 E 21 21 22 23 24 25	Roof Joint of 100 mm gap Masonry Work Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.Cement mortar 1:4 (1 cement :4 coarse sand) Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry. Brick work with non modular fly ash bricks conforming to IS:12894, class designation 10 average compressive strength in superstructure above plinth level up to floor V level in : Cement mortar 1:6 (1 cement : 6 coarse sand) Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:6 (1 cement : 6 coarse sand) Cladding Work Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills , facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. Granite stone slab colour black, Cherry/Ruby red Area of slab upto 0.50 sqm Area of slab upto 0.50 sqm Providing edge moulding to 18mm thick marble stone counters, Vanities etc. including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge. Granite work Extra for fixing marble /gra	6.13.2 6.15 6.34.2 6.1.2 8.2 8.2.2 8.2.2.1 8.2.2.2 8.3 8.3.2	179.92 179.92 221.38 43.11 1.05 6.24 10.41	SQM SQM CUM CUM SQM SQM SQM	1123.80 104.80 8752.55 7132.25 5413.50 5136.30 510.95	202,194.10 18,855.62 1,937,639.52 307,471.30 5,684.18 32,050.51 5,318.99	
18 19 20 21 E 21 21 22 23 24 25	Roof Joint of 100 mm gap Masonry Work Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.Cement mortar 1:4 (1 cement :4 coarse sand) Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry. Brick work with non modular fly ash bricks conforming to IS:12894, class designation 10 average compressive strength in superstructure above plinth level up to floor V level in : Cement mortar 1:6 (1 cement : 6 coarse sand) Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:6 (1 cement : 6 coarse sand) Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:6 (1 cement : 6 coarse sand) Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills , facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. Granite stone slab colour black, Cherry/Ruby red Area of slab upto 0.50 sqm Providing edge moulding to 18mm thick marble stone counters, Vanities etc. including machine polishing to edge to give high gloss finish etc. complete as per design approveed by Engineer-in-Charge.	6.13.2 6.15 6.34.2 6.1.2 8.2 8.2.2 8.2.2.1 8.2.2.2 8.3 8.3.2	179.92 179.92 221.38 43.11 1.05 6.24 10.41	SQM SQM CUM CUM SQM SQM SQM	1123.80 104.80 8752.55 7132.25 5413.50 5136.30 510.95	202,194.10 18,855.62 1,937,639.52 307,471.30 5,684.18 32,050.51 5,318.99	
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18 19 20 21 E 21 E 22 23 24 25 26	Roof Joint of 100 mm gap Masonry Work Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.Cement mortar 1:4 (1 cement :4 coarse sand) Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry. Brick work with non modular fly ash bricks conforming to IS:12894, class designation 10 average compressive strength in superstructure above plinth level up to floor V level in : Cement mortar 1:6 (1 cement : 6 coarse sand) Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:6 (1 cement : 6 coarse sand) Cladding Work Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills , facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. Granite stone slab colour black, Cherry/Ruby red Area of slab upto 0.50 sqm Providing edge moulding to 18mm thick marble stone counters, Vanities etc. including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge. Granite work Extra for fixing marble /granite stone over and above correspondin	6.13.2 6.15 6.34.2 6.1.2 6.1.2 8.2.2 8.2.2.1 8.2.2.2 8.3 8.3.2 8.3.2 8.4	179.92 179.92 221.38 43.11 1.05 6.24 10.41 10.41	SQM SQM CUM CUM SQM SQM SQM RM RM	1123.80 104.80 8752.55 7132.25 7132.25 5413.50 5136.30 510.95 568.55	202,194.10 18,855.62 1,937,639.52 307,471.30 5,684.18 32,050.51 5,318.99 5,918.61	
18 19 20 21 E 21 21 22 23 24 25	Roof Joint of 100 mm gap Masonry Work Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.Cement mortar 1:4 (1 cement :4 coarse sand) Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry. Brick work with non modular fly ash bricks conforming to IS:12894, class designation 10 average compressive strength in superstructure above plinth level up to floor V level in : Cement mortar 1:6 (1 cement : 6 coarse sand) Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:6 (1 cement : 6 coarse sand) Cladding Work Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills , facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. Granite stone slab colour black, Cherry/Ruby red Area of slab upto 0.50 sqm Providing edge moulding to 18mm thick marble stone counters, Vanities etc. including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge. Granite work Extra for fixing marble /granite stone over and above correspondin	6.13.2 6.15 6.34.2 6.1.2 6.1.2 8.2.2 8.2.2.1 8.2.2.2 8.3 8.3.2 8.3.2 8.4	179.92 179.92 221.38 43.11 1.05 6.24 10.41 10.41	SQM SQM CUM CUM SQM SQM SQM RM RM	1123.80 104.80 8752.55 7132.25 7132.25 5413.50 5136.30 510.95 568.55	202,194.10 18,855.62 1,937,639.52 307,471.30 5,684.18 32,050.51 5,318.99 5,918.61	
18 19 20 21 E 21 E 22 23 24 25 26	Roof Joint of 100 mm gap Masonry Work Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level. Cement mortar 1:4 (1 cement : 4 coarse sand) Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry. Brick work with non modular fly ash bricks conforming to IS:12894, class designation 10 average compressive strength in superstructure above plinth level up to floor V level in : Cement mortar 1:6 (1 cement : 6 coarse sand) Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:6 (1 cement : 6 coarse sand) Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills , facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. Granite stone slab colour black, Cherry/Ruby red Area of slab upto 0.50 sqm Area of slab upto 0.50 sqm Providing edge moulding to 18mm thick marble stone counters, Vanities etc. including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge. Granite work Extra for fixing marble /granite stone over and above corresponding basic item, in facia and drops of width upto 150 mm with epoxy resin based adhesive including cleaning etc. complete. Extra for providing opening of required size & shape for wash basins/ kitchen sink in kitchen platform, vanity counters and similar location in marble/Granite/stone work including necessary holes for pillar taps etc. including moulding, rubbing and polishing of c	6.13.2 6.15 6.34.2 6.1.2 6.1.2 8.2.2 8.2.2.1 8.2.2.2 8.3 8.3.2 8.3.2 8.4	179.92 179.92 221.38 43.11 1.05 6.24 10.41 10.41	SQM SQM CUM CUM SQM SQM SQM RM RM	1123.80 104.80 8752.55 7132.25 7132.25 5413.50 5136.30 510.95 568.55	202,194.10 18,855.62 1,937,639.52 307,471.30 5,684.18 32,050.51 5,318.99 5,918.61	
18 19 20 21 E 21 E 22 23 24 25 26	Roof Joint of 100 mm gap Masonry Work Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level. Cement mortar 1:4 (1 cement : 4 coarse sand) Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry. Brick work with non modular fly ash bricks conforming to IS:12894, class designation 10 average compressive strength in superstructure above plinth level up to floor V level in : Cement mortar 1:6 (1 cement : 6 coarse sand) Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:6 (1 cement : 6 coarse sand) Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills , facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. Granite stone slab colour black, Cherry/Ruby red Area of slab upto 0.50 sqm Providing edge moulding to 18mm thick marble stone counters, Vanities etc. including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge. Extra for fixing marble /granite stone over and above corresponding basic item, in facia and drops of width upto 150 mm with epoxy resin based adhesive including cleaning etc. complete. Extra for providing opening of required size & shape for wash basins/ kitchen sink in kitchen platform, vanity counters and similar location in marble/Granite/stone work including necessary holes for pillar taps etc. including moulding, rubbing and polishing of cut edges etc. complete. Providing and fix	6.13.2 6.15 6.34.2 6.1.2 6.1.2 8.2.2 8.2.2.1 8.2.2.2 8.3 8.3.2 8.3.2 8.4	179.92 179.92 221.38 43.11 1.05 6.24 10.41 10.41	SQM SQM CUM CUM SQM SQM SQM RM RM	1123.80 104.80 8752.55 7132.25 7132.25 5413.50 5136.30 510.95 568.55	202,194.10 18,855.62 1,937,639.52 307,471.30 5,684.18 32,050.51 5,318.99 5,918.61	
18 19 20 21 E 21 E 22 23 24 25 26	Roof Joint of 100 mm gap Masonry Work Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level. Cement mortar 1:4 (1 cement :4 coarse sand) Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry. Brick work with non modular fly ash bricks conforming to IS:12894, class designation 10 average compressive strength in superstructure above plinth level up to floor V level in : Cement mortar 1:6 (1 cement : 6 coarse sand) Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:6 (1 cement : 6 coarse sand) Cladding Work Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills , facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. Granite stone slab colour black, Cherry/Ruby red Area of slab over 0.50 sqm Providing edge moulding to 18mm thick marble stone counters, Vanities etc. including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge. Granite work Extra for fixing marble /granite stone over and above corresponding basic item, in facia and drops of width upto 150 mm with epoxy resin based adhesive including cleaning etc. complete. Extra for providing opening of required size & shape for wash basins/ kitchen sink in kitchen platform, vanity counters and similar location in marble/Granite/stone work including necessary holes for pillar taps etc. including moulding, rubbing and polishing of cut edges e	6.13.2 6.15 6.34.2 6.1.2 6.1.2 8.2.2 8.2.2.1 8.2.2.2 8.3 8.3.2 8.3 8.3.2 8.4	179.92 179.92 221.38 43.11 1.05 6.24 10.41 10.41	SQM SQM CUM CUM SQM SQM SQM RM RM	1123.80 104.80 8752.55 7132.25 7132.25 5413.50 5136.30 510.95 568.55	202,194.10 18,855.62 1,937,639.52 307,471.30 5,684.18 32,050.51 5,318.99 5,918.61	
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18 19 20 21 E 21 E 22 23 24 25 26	Roof Joint of 100 mm gap Masonry Work Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level. Cement mortar 1:4 (1 cement :4 coarse sand) Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry. Brick work with non modular fly ash bricks conforming to IS:12894, class designation 10 average compressive strength in superstructure above plinth level up to floor V level in : Cement mortar 1:6 (1 cement : 6 coarse sand) Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:6 (1 cement : 6 coarse sand) Cladding Work Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills , facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. Granite stone slab colour black, Cherry/Ruby red Area of slab upto 0.50 sqm Providing edge moulding to 18mm thick marble stone counters, Vanities etc. including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge. Granite work Extra for fixing marble /granite stone over and above corresponding basic item, in facia and drops of width upto 150 mm with epoxy resin based adhesive including cleaning etc. Extra for providing opening of required size & shape for wash basins/ kitchen sink in kitchen platform, vanity counters and similar location in marble/Granite/stone work including necessary holes for pillar taps etc. including moulding, rubbing and polishing of cut edges etc. complete.	6.13.2 6.15 6.34.2 6.1.2 6.1.2 8.2.2 8.2.2.1 8.2.2.2 8.3 8.3.2 8.3 8.3.2 8.4	179.92 179.92 221.38 43.11 1.05 6.24 10.41 10.41	SQM SQM CUM CUM SQM SQM SQM RM RM	1123.80 104.80 8752.55 7132.25 7132.25 5413.50 5136.30 510.95 568.55	202,194.10 18,855.62 1,937,639.52 307,471.30 5,684.18 32,050.51 5,318.99 5,918.61	

28 29 30 31	Wood and PVC Work Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non- decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters:35 mm thick including ISI marked Stainless Steel butt						
29 30 31	decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face						
29 30 31	well matched commercial 3 ply veneering with vertical grains or cross bands and face						
29 30 31							
29 30 31	veneers on both faces of shutters.55 min tinek including 151 marked stanness steer but						
29 30 31	hinges with necessary screws	9.21.1	130.31	SQM	2392.65	311,786.22	
30 31	Extra for providing lipping with 2nd class teak wood battens 25 mm minimum depth on all					,	
31	edges of flush door shutters (over all area of door shutter to be measured).						
31		9.23	130.31	SQM	462.35	60,248.83	
	Extra for cutting rebate in flush door shutters (Total area of the shutter to be measured).	0.04	15.15	0014	106 7	1.051.65	
	Descriptions and fining M.C. will be for mind and the formula forming being the midd M.C.	9.26	45.47	SQM	106.7	4,851.65	
	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all						
	complete. Fixed to steel windows by welding.	9.48.1	2076.43	KG	219.10	454,945.81	
	Providing and fixing aluminium hanging floor door stopper ISI marked anodised (anodic					,	
	coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour						
	or shade with necessary screws etc. complete. Twin rubber stopper						
		9.101.2	111.00	NOS	72.35	8,030.85	
	Providing and fixing factory made door frame (single rebate) made out of single piece extruded solid PVC foam profile with homogenous fine cellular structure having smooth						
	outer integral skin having 62 mm width & 32 mm thickness, frame will be mitred &						
	Jointed with self driven self tapping screws of size 38 mm x 4 mm & PVC solvent cement,						
	including fixing the frame to wall with suitable dia & length anchor fastener as per						
	manufacturer's specification and direction of Engineer-in-charge.						
		9.123	185.40	RM	696.00	129,038.40	
	Providing and fixing PVC rigid foam sheet 1 mm thick on existing door shutters	0.125	50.00	6014	1045.05	(1.501.9(
	(bathroom and W.C. doors) using synthetic rubber based adhesive. Providing and fixing wire gauge shutters using stainless steel grade 304 wire gauge with	9.125	58.80	SQM	1045.95	61,501.86	
	wire of dia 0.5 mm and average width of aperture 1.4 mm in both directions for doors,						
	windows and clerestory windows with necessary screws : 30 mm thick shutters With ISI						
	marked stainless steel butt hinges of required size Kiln seasoned and chemically treated						
	hollock wood	9.134.2.2.2	36.54	SQM	3619.60	132,260.18	
	Providing and fixing fly proof stainless steel grade 304 wire gauge, to windows and						
	clerestory windows using wire gauge with average width of aperture 1.4 mm in both						
	directions with wire of dia. 0.50 mm all complete.With 12 mm mild steel U beading	0 125 2	124 70	6014	1228.00	165 411 60	
37	Providing and fixing 6mm thick both sides Pre-laminated cement bonded wood particle	9.135.2	134.70	SQM	1228.00	165,411.60	
	board as per IS : 15786:2008 of approved brand and shade with suitable full threaded steel						
	screws etc. on the backing of racks, drawer, cupboard, kitchen cabinet under kitchen						
	counter etc. all complete as per direction of Engineer in-charge.						
		9.167	3.27	SQM	1010.60	3,304.66	
	Providing and fixing cupboard shutter with 19mm thick one side decorative and other side						
	balancing lamination factory pressed						
	BWP grade marine ply as per IS 710 of approved brand including 2mm thick PVC edge						
	banding tape with hot glue by edge bending machine etc. with auto closing spring loaded hinges (hydraulic type) etc. complete as per direction of Engineer in-charge.(Payment of						
	providing and fixing auto closing hinges shall be paid separately)						
	prostraing and mining and erosing minger shan of para separately)	9.168	3.27	SQM	2829.25	9,251.65	
39	Providing and fixing 19mm thick both side balancing lamination factory pressed BWP						
	grade marine ply as per IS 710 of approved						
	brand boxes, shelves, racks, almirah, cupboard and drawer etc. including necessary	0.160	0.42	6014	2502.15	24 427 47	
	nails,screws etc. complete as per direction of Engineer-in-charge. Providing and fixing stainless steel fancy handle of approved make fixed with SS screws	9.169	9.42	SQM	2593.15	24,427.47	
	etc. complete as per direction of						
	Engineer-in-charge.						
	100 mm for Kitchen Cabinets	Analysis	12.00	Nos.	95.00	1,140.00	
	Providing and fixing stainless steel soft closing spring hinges at 0 degree hinges (hydraulic						
	type) of approved make/brand to cupboard shutters with full threaded steel screws						
	including making necessary recess in board and finished etc. complete as per direction of	0.171	24.00	NT-	272.00	6 539 00	
	Engineer-in-charge Providing and fixing bright /matt finished Stainless Steel handles of approved quality &	9.171	24.00	Nos.	272.00	6,528.00	
	make with necessary screws etc all complete. (a) 125 mm.	9.165.1	222.00	NOS	119.20	26,462.40	
	Providing & fixing Stainless steel sliding door bolts ISI marked anodised (anodic coating					20,102.10	
	not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade						
	with nuts and screws etc complete. (a) 250mm x 16mm.						
		M.R.	82.00	NOS	560.00		45,920.00
	Providing and fixing stainless steel towerbolts (barrel type) with necessary screws etc.						
	complete. 200 x 10mm	M.R.	82.00	NOS	448.00		36,736.00
	150 x 10mm	M.R.	82.00	NOS	392.00		32,144.00
	Steel Work						
	Providing and fixing factory made ISI marked steel glazed doors, windows and ventilators,						
	side /top /centre hung, with beading and all members such as F7D, F4B, K11 B and K12 B						
	etc. complete of standard rolled steel sections, joints mitred and flash butt welded and sash						
	bars tenoned and riveted, including providing and fixing of hinges, pivots, including						
	priming coat of approved steel primer, but excluding the cost of other fittings, complete all						
	as per approved design, (sectional weight of only steel members shall be measured for payment). Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block						
	15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm	10.11.1	2020 50	WC.	121.05	044 504 50	
16		10.11.1	2020.50	KG	131.05	264,786.53	
	Providing and fixing T-iron frames for doors, windows and ventilators of mild steel Tee- sections, joints mitred and welded, including fixing of necessary butt hinges and screws						
	and applying a priming coat of approved steel primer						
	Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm						
	of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size						
		10.13.1	931.50	KG	141.70	131,993.55	

	Providing and fixing M.S. Tubular frames for doors, windows, ventilators and cupboard with rectangular/ L-Type sections, made of 1.60 mm thick M.S. Sheet, joints mitred, welded and grinded finish, with profiles of required size, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer. Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	10.15.1	4022.28	Kg	195.20	785,149.06	
	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners, stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge.	10.13.1	216.000	KG	772.40	166,838.40	
	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	10.25.2	371.520	KG	172.60	64,124.35	
	Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with : 4.0 mm thick glass panes.	10.30.1	201.84	SQM	1064.65	214,888.96	
51	Flooring Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete.	11.2.1	1.020	SOM	614.20	662.24	
52	40 mm thick with 20 mm nominal size stone aggregate Chequerred precast cement concrete tiles 22 mm thick in footpath & courtyard, jointed with neat cement slurry mixed with pigment to match the shade of tiles, including rubbing and cleaning etc. complete, on 20 mm thick bed of cement mortar 1:4 (1 cement: 4 coarse sand). Medium shade pigment using 50% white cement 50% Grey cement	11.3.1	1.080	SQM SQM	614.20	663.34 28,692.36	
	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) : 25 mm thick	11.26.1	667.06	SQM	1948.25	1,299,599.65	
	Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete.	11.27	70.00	SQM	2354.70	164,829.00	
	Providing and laying Vitrified tiles in floor in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laidon 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) jointing with grey cement slurry @3.3 kg/sqm including grouting the joints with white cement and matching pigments etc. The tiles must be cut with the zero chipping diamond cutter only . Laying of tiles will be done with the notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet for placing the tiles gently and easily.Glazed Vitrified tiles Matt/Antiskid finish of size of Tile 600 x 600 mm						
		11.41A.3.1	122.71	SQM	1464.85	179,751.74	
57	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including grouting the joints with white cement and matching pigments etc., complete. Size of Tile 600x600 mm Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08% and conforming to I.S. 15622, of	11.41.2	84.58	SQM	1553.45	131,390.80	
	approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including grouting the joint with white cement & matching pigments etc. complete. Size of Tile 600x600 mm	11.46.2	10.44	SQM	1623.05	16,944.64	
	Providing and laying 60mm thick faciory made cement concrete interlocking paver block of M -30 grade made by block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with line sand etc. all						
	complete as per the direction of Engineer-in-charge.	16.68	57.77	SQM	972.00	56,152.44	
	P & laying cement concrete Finishing	analysis	20.820	SQM	1390.56	28,951.46	
	15 mm cement plaster on the rough side of single or half brick wall of mix : 1:6 (1 cement:						
61	6 coarse sand) 12mm cement plaster in single coat on fair side of single or half brick wall for exterior plastering up to floor two level including internal rounded angles chamfers, and/or		1739.00	SQM	395.35	687,513.65	
	rounded angles not exceeding 80mm in girth and finished even and smooth no extra for mixing any additive. 1:6 (1 cement: 6 coarse sand) 6 mm cement plaster on celling (a) 1:3(1 cement:3 fine sand)	13.4.2 13.16.1	1634.05 1079.84	SQM SQM	343.65 300.45	561,541.28 324,437.93	
63	b mm cement plaster on celling (a) 1:5(1 cement:3 fine sand) Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade : New work (two or more coats) over and including water thinnable priming coat with cement primer.	13.41.1	2713.89	SQM	185.65	503,833.68	
	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade. New work (Two or more coats applied @ 1.43 ltr/ 10 sqm. over and		1720.00		171.10	207 542 00	
	including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm). Steel Painting: Applying priming coat:	13.47.1	1739.00	SQM	171.10	297,542.90	
	With ready mixed red oxide zink chromate primer of approved brand and manufacture on steel galvanised iron/steel works.	13.50.3	257.72	SQM	67.40	17,370.33	

					Say in lacs	211.76	1.95
					TOTAL	21,176,337.62	194,671.56
73	2.1 Mt Ht. Boundary Wall	Analysis	37.32	RM	14577.60	544,036.03	
72	Providing and filling of AAC Lightweight Broken Blocks sunken portions.	M.R.	19.33	CUM	4132.00		79,871.56
	<i>o</i>	12.19	138.760	SQM	607.40	84,282.82	
	of class designation 10						
	With common burnt clay F.P.S. (non modular) brick tiles						
	cement, over 12 mm layer of cement mortar 1:3 (1 cement : 3 fine sand) and finished neat:						
/1	cement : 3 fine sand) mixed with 2% of integral water proofing compound by weight of						
71	Providing and laying brick tiles over mumty roofs, grouted with cement mortar 1:3 (1	14.00	130.70	SQIVI	/30.35	101,5/1.12	
	laying brick tiles shall be paid for separately).	14.86	138.76	SQM	730.55	101,371.12	
	12 mm layer of cement mortar 1:3 (1 cement : 3 fine sand) and finished neat (item of						
	3 fine sand) mixed with 2% integral water proofing compound by weight of cement over a						
	finished with brick tiles of class designation 10 grouted with cement mortar 1:3 (1cement :						
	protected on both side with 20 micron HMHDPE film. 7th, the top most layer shall be						
	HMHDPE film sandwiched on both sides with polymeric mix and the polymeric mix is						
	Kg/sqm weight consisting of five layers prefabricated with centre core as 20 micron						
	5th layers of roofing membrane APP modified Polymeric membrane 1.5 mm thick of 2.25						
	which shall consist of blown type bitumen of grade 85/25 conforming to IS : 702, 3rd and						
	pripylene) meanied rotymene memoriale over root consisting of mix coar of ortained primer (a) 0.40 litre per sqm, 2nd, 4th & 6th courses of bonding material (a) 1.20 Kg/sqm,						
10	propylene) modified Polymeric memberane over roof consisting of first coat of bitumen						
70	Providing and laying in situ seven course water proofing treatment with APP (Atactic poly-	22.3	95.07	SQIVI	017.05	36,002.94	
	sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry.	22.5	95.07	SQM	617.05	58,662.94	
	with water curing for 48 hours. The rate includes preparation of surface, treatment and						
	compound @ 0.126 kg/sqm. This layer will be allowed to air cure for 4 hours followed						
	Second layer of slurry of cement @ 0.242 kg/sqm mixed with water proofing cement						
	cement compound @ 0.253 kg/sqm. This layer will be allowed to air cure for 4 hours. b)						
	applying : a) First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing						
	by applying cement slurry mixed with water proofing cement compound consisting of						
69	Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc.,						
J	Water Proofing						
	smooth complete.	13.80	1079.84	SQM	156.05	168,509.03	
08	brand and manufacturer, over the plastered wall surface to prepare the surface even and						
68	Providing and applying white cement based putty of average thickness 1 mm, of approved	15.05.1	14.13	SQIVI	140.25	1,901./3	
	give an even shade : Two or more coats on new work	13.65.1	14.13	SQM	140.25	1,981.73	
67	Painting with black anti-corrosive bitumastic paint of approved brand and manufacture to						
67		13.62.1	257.72	SQM	226.25	58,309.15	
	suitable shade with ordinary paint of approved brand and manufacture"	12 (2.1	257.72	6014	226.25	59 200 15	
	colour to give an even shade :Two or more coats on new work over an under coat of						
66	"Painting with synthetic enamel paint of approved brand and manufacture of required						

PLUMBING INTERNAL ESTIMATE

	ESTIMATE OF FOR CONSTRUCTION OF ADDITIONAL DORMITORY & STAFF QUARTERS AT JNV KUPWARA, JAMMU AND KASHMIR Balance 0.50 Unit Girls Dormitory with 02 nos warden residence (Double Storey, RCC framed structure), Plinth area 691.50 +110.00=801.50 Sqm.							
SI. No.	Description							
		DSR Items -2023	NS Items					
1	Sanitary Installation	795,185.95	145,737.00					
2	Water Supply	569,014.70	164,359.00					
3	Drainage	135,412.81	10,240.00					
	Total	1,499,613.46	320,336.00					
	Say in Lacs	15.00	3.20					

Dalaliu	e 0.50 U	nit Girls Dormitory with 02 nos warden residen	ce (Doub	e Store	ey, RC	C framed s	tructur
		Plinth area 691.50 +110.00=80	1.50 Sqm		,,		
S.No.	DSR '23	Description	Rate	Unit	Qty	Ame DSR	ount MR
		Sub Head – I Sanitary Installation Providing and fixing water closet squatting pan (Indian type W.C. pan					
) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled					
1.1	17.1	device (handle lever) conforming to IS : 7231, with all fittings and					
		fixtures complete, including cutting and making good the walls and floors wherever required:.					
	17.1.1	White Vitreous china Orissa pattern W.C. pan of size 580x440 mm					
	1/111	with integral type foot rests.	6,767.40	each	18	121,813.20	
		Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous					
	17.3	china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard					
1.2	17.3	make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and					
		making good the walls and floors wherever required :					
	17.3.1	W.C. pan with ISI marked white solid plastic seat and lid	8,006.60	each	3	24,019.80	
		Providing and fixing floor mounted, white vitreous china single piece,					
		double traps syphonic water closet of approved brand/make, shape, size and pattern including integrated white vitreous china cistern of					
1.3	17.81	capacity 10 litres with dual flushing system, including all fittings and fixtures with seat cover, cistern fittings, nuts, bolts and gasket etc					
		including making connection with the existing P/S trap, complete in all respect as per directions of Engineer-in-Charge.					
			18,212.90	each	0	-	
		Providing and fixing white vitreous china battery based infrared sensor operated urinal of approx. size 610 x 390 x 370 mm having pre					
1.4	17.80	& post flushing with water (250 ml & 500 ml consumption), having water inlet from back side, including fixing to wall with suitable					
		brackets all as per manufacturers specification and direction of Engineer-in-charge.					
		Lingineer-in-charge.	7,979.20	each	0	-	
		Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass					
1.5	17.7	pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls					
1.5.1	17.7.3	wherever require: White Vitreous China Wash basin size 550x400 mm					
		with a pair of 15 mm C.P. brass pillar taps	2,301.75	each	3	6,905.25	
		Providing and fixing white vitreous china wash basin under counter basin, with C.I. concealed type brackets fixed to walls with GI rag					
1.6	NSI-1	bolts or approved fasteners etc., including 32 mm CP brass waste coupling, including painting of fittings and brackets, cutting and					
1.6	NSI-1	making good the walls wherever required all complete (Granite counter top will be measured and paid separately under relevent					
		item): as per approved make and decision of engineer-in-charge	4,689.00	each	0		
1.7	17.34 17.34.1	Providing and fixing toilet paper holder : C.P. brass	803.70	each	3	2,411.10	
	17.04.1	Providing and fixing CP brass auto closing system basin pillar tap /	803.70	each	,	2,411.10	
1.8	NSI-2	hand wash o as approved by Engineer- In Charge	5.092.00	each	12		61,104
		Providing and fixing CP brass single lever basin mixer without	5,052.00	each	12		01,104
1.9	NSI-3	popo with 450mm long braided hose (connection pipe) basin pillar tap of Jaquar LYR-38001B or Equivalent as approved by Engineer-					
		In Charge.	7,406.00	each	4		29,624
1.10	17.22A	Providing and fixing 32mm C.P brass bottle Trap of approved quality	4 034 00			3,104.40	
		& make as per the direction of engineer-in-incharge.	1,034.80	each	3	5,104.40	
1.11	17.31	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board					
		ground fixed to wooden cleats with C.P. brass screws and washers complete.	1,607.95	Sqm	3	4,823.85	
		Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as					
1.12	17.10	per IS : 13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making					
	17.10.1	good the walls wherever required : Kitchen sink with drain board					
	17.10.1.1	510x1040 mm bowl depth 250mm	6945.60	each	2	13,891.20	
	17.10.2	Kitchen sink without drain board 610x460 mm bowl depth 200 mm	3,873.80	each	0		
	171101212	Providing and fixing white vitreous china laboratory sink with C.I.	3,013.00	cucii			
		brackets, C.P. brass chain with rubber plug, 40 mm C.P brass waste					
1.13	17.11	and 40mm C.P. brass trap with necessary C.P. brass unions complete, including painting of fittings and brackets, cutting and making good					
		the wall wherever required :					
	17.11.1	Size 450x300x150 mm	5,020.85	each	0		
1.14	17.28	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.					
	17.28.2 17.28.2.2	Flexible pipe 40 mm dia	119.55	each	2	239.10	
1.15	17.35	Providing and fixing soil, waste and vent pipes :					
	17.35.1 17.35.1.3	100 mm dia Hubless centrifugally cast (spun) iron pipes epoxy coated inside &					
	1	outside IS:15905	1,169.30	meter	143	167,209.90	
1.16	17.38	Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete.					
	17.38.1	100 mm					
	17.38.1.3	Hubless centrifugally cast (spun) iron epoxy coated inside & outside 1.S. 15905	567.20	each	24	13,612.80	
1.17	17.39	Providing and fixing plain bend of required degree.		,		.,	
1	17.39.1	100 mm					
1.18	17.39.1.3	Hubless centrifugally cast (spun) iron pipe epoxy inside & outside IS: 15905 Providing and fixing heat ract capitagy head	368.00	each	45	16,560.00	
1.18	17.40	Providing and fixing heel rest sanitary bend 100 mm dia					
	17.40.1.2	Sand cast iron S&S as per IS - 3989	548.70	each	4	2,194.80	
1.19	17.42	Providing and fixing double equal plain junction of required degree					
	17.42.1	100x100x100x100 mm				l	1
	17.42.1.3	Hubless centrifugally cast (spun) iron pipe epoxy inside & outside IS:					

		Description					
		Providing and fixing single equal plain junction of required degree			Qty	Am	ount
1.20	17.43	with access door, insertion rubber washer 3 mm thick, bolts and nuts complete.					
	17.43.1	100x100x100 mm	925.70		72	<i>cc cco to</i>	
	17.43.1.2	sand cast Iron S&S as per IS: 3989	925.70	each	/2	66,650.40	
1.21	17.44	Providing and fixing single equal plain junction of required degree					
	17.44.1	100x100x100 mm Hubless centrifugally cast (spun) iron pipe epoxy inside & outside IS:					
	17.44.1.3	15905	581.45	each	144	83,728.80	
1.22	17.56	Providing and fixing terminal guard:					
	17.56.1	100 mm Hubless centrifugally cast (spun) iron pipe epoxy inside & outside IS:					
	17.56.1.3	15905	427.80	each	6	2,566.80	
1.23	17.57A	Providing and fixing shielded coupling for Hubless centrifugally cast					
	17.57A.1	iron pipes 100 mm					
	17.57A.1.1	S S 304 grade coupling with EPDM rubber gasket	432.05	each	143	61,783.15	
1.24	17.59	Providing and fixing M.S. stays and clamps for sand cast					
	17.59.1	iron/centrifugally cast (spun) iron pipes of diameter : 100 mm	139.70	each	6	838.20	
1.25	17.65	Painting sand cast iron/ centrifugally cast (spun) iron soil, waste vent pipes and fittings with two coats of synthetic enamel paint of any colour such as chocolate grey, or buff etc. over a coat of primer (of approved quality) for new work :					
	17.65.1	100 mm diameter pipe	82.80	meter	90	7,452.00	
1.26	17.37	Providing and fixing M.S. holder-bat clamps of approved design to Sand Cast iron/cast iron (spun) pipe embedded in and including cement concrete blocks 10x10x102m of 1:2:4 mik (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) including cost of cutting holes and making good the walls etc. :					
	17.37.1	100 mm diameter pipe	362.85	each	90	32,656.50	
1.27	18.10	Providing and fixing G.I. soil / waste pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc.					
-	18.10.4 18.10.5	32 mm dia. nominal bore 40 mm dia. nominal bore	667.00 811.90	metre metre	25 15	16,675.00 12,178.50	
	18.10.6	50 mm dia. nominal bore	1,048.35	metre	25	26,208.75	
1.28	17.60	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors : 100 mm inlet and 100 mm outlet					
	17.60.1.3	Hubless centrifugally cast (spun) iron epoxy	854.55	each	28	23,927.40	
		coated inside & outside as per IS:15905	634.33	each	20	23,927.40	
1.29	18.77	Cutting holes up to 15 x 15 cm in R.C.C. floors and roofs for passing drain pipe etc. and repairing the hole after insertion of drain pipe etc. with cement to concrete 1:2:4 (1 cement : 2 course sand : 4 graded stone aggregate 20 mm nominal size), including finishing complete so as to make it leak proof.	452.00	each	28	12,656.00	
1.30	NSI-4	Providing & fixing in position GI 100x50 elbow floor drain including cost of cutting and making good the walls and floors wherever required.	1,541.00	each	12		18,492.00
1.31	NSI-5	Providing and fixing 125 mm dia S/S grating (with or without hole)for floor or Nahani trap.	620.00	each	40		24,800.00
			020.00	cacii	40		24,800.00
1.32	NSI-6	Providing and fixing soap dish holder from wall of standard shape with fittings of approved quality with all complete. Make Jaquar - ACN-1131N & Equivalent	1,159.00	each	3		3,477.00
1.33	NSI-7	Providing and fixing soap dispenser with glass bottle from wall of standard shape with fittings of approved quality with all complete. Note leaves ACN 11155N.8 Emitted and the standard stand	2,095.00	each	2		4,190.00
		Make Jaquar - ACN-1135N & Equivalent	2,095.00	eacn	2		4,190.00
1.34	NSI-8	Providing & fixing 600 mm towel rail long stanless steel from wall face with concealed fittings arrangement of approved quality with all complete. Make Jaquar - CAN-1111SM	2,025.00	each	2		4,050.00
1.35	18.65	Providing and fixing PTMT scap Dish Holder having length of 138mm, breadth 102mm, height of 75mm with concealed fitting arrangements, weighing not less than 106 gms.	111.45	each	0	-	
136	17.73	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings					
	17.73.2	arrangement of approved quality and colour. 600 mm long towel rail with total length of 645 mm, width 78 mm and effective height of 88 mm, weighing not less than 190 gms.					
			708.95	each	0	-	
1.37	12.22	Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 12:4 (1 cement 2: C carses and 4: graded store aggregate of 20 mm nominal size) over P.V.C. sheet 1 m x1 m x 400 micron, finished with 12 mm cement plaster 131 (1 cement 3: a carse and) and a coat of neat cement, rounding the edges and making and finishing the outlet complete.	298.25	each	6	1,789.50	
		Providing and fixing on wall face unplasticised Rigid PVC rain water					
1.38	12.41	pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes.	377.40	metre	90	33,966.00	
1.39	12.42	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion.					
	12.42.1 12.42.1.2	Coupler 110 mm	136.15	each	45	6,126.75	
	12.42.3 12.42.3.2	Single tee with door 110x110x110 mm	234.15	each	6	1,404.90	
	12.42.5	Bend 87.5*					
	12.42.5.2 12.42.6	110 mm Shoe (Plain)	150.35	each	6	902.10	
	12.42.6.1	110 mm Shoe	131.85	each	6	791.10	
1.40	12.43	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50 mm hard wood plugs, screwed with M.S. screws of required length, including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete.					
	12.43.2	110 mm	309.50	each	45	13,927.50	

1.41	NSI-9	Description Description Supplying and fixing of HDDE pipe (FE grade 63 - PN-8) confirming to IS 14333-1996 chemical waste pipes jointed with rubber ring with good quality lubricant with fittings inclussive of all necessary specials like bench stees, offsets, junctions et tail ander floor/note ceiling/on walls with suitable clamps and specials curing, necessary chasing, jointing and restoring to original conditions, testing etc. including all other incidental charges etc. complete for successful completion of work as per specifications, and as directed by Engineer -in- Charge.			Qty	Am	ount
	a)	110 mm outer dia	1,543.00	metre	0		
	b)	50 mm outer dia	558.00	metre	0		
1.42	NSI-10	Providing & fixing in position upvc P° or 5° trap of self cleaning design of following sizes for the embedded areas Making proper connection with chemical sealent joint, cutting chase / hole in floors /Slabs and bringing the same in proper condition in cement concrete 12:4 mix complete as required. Including cost of cutting and making good the walls and floors wherever required.		each	0		-
1.43	NSI-11	Providing & Fixing water cooler wth stainless steel having storage capacity of 80 liter & cooling capacity 60 liter / hour with Reverse comosis system & ultra voilet membrane TDS reduction 90% having automatic back wash system with filteration unit & all other required accessories complete in all respect as per direction of the engineer in charge.		each	0		-
		TOTAL				795,185.95	145,737.00
		Tonic				735,205.55	145,757.00
2.1	18.10 18.10.2 18.10.3	Sub Head – II Water Supply Providing and fixing G.I. pipes complete with G.I. fittings and clamps, I/c cutting and making good the walls etc. Internal work – Exposed on wall. 20 mm nominal outer dia Pipes 25 mm nominal outer dia Pipes	437.30 551.70	metre	45	19,678.50 68,962.50	
	18.10.4	32 mm nominal outer dia Pipes	667.00	metre	60	40,020.00	
<u> </u>	18.10.5	40 mm nominal outer dia Pipes	811.90 1,048.35	metre	105	85,249.50	
	18.10.6 NSI-12a	50 mm nominal outer dia Pipes 65 mm nominal outer dia Pipes	1,048.35	metre metre	25 10	26,208.75	10,840.00
	NSI-12b	80 mm nominal outer dia Pipes	1,276.00	metre	5		6,380.00
2.2	18.8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with noe step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge.					
		Concealed including cutting chases and making good the wall etc.					
	18.8.2	15 mm nominal outer dia Pipes	537.60	metre	86	45,964.80	
	18.8.3	20 mm nominal outer dia Pipes 25 mm nominal outer dia Pipes	627.25 739.30	metre metre	84 83	52,689.00	
	18.8.4	25 mm nominal outer dia Pipes	739.30	metre	83	60,992.25	
2.3	18.17	Providing and fixing gun metal gate valve with C.I. wheel of approved					
	18.17.1A	quality (screwed end) : 20 mm dia. nominal bore	539.95	each	4	2,159.80	
	18.17.1	25 mm dia. nominal bore	622.40	each	24	14,937.60	
	18.17.2 18.17.3	32 mm dia. nominal bore	689.60 826.10	each	2	1,379.20	
	18.17.3	40 mm dia. nominal bore 50 mm dia. nominal bore	1,026.65	each each	2	2,053.30	
						,	
2.4	18.18	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete :					
	18.18.3	25 mm nominal bore	464.05	each	2	928.10	
2.5	NSI-13	Providing and fixing hand held ablution fitting (health faucet) with 1.2 meter long flexible tube and wall hook, all complete approved engineer-in-charge	2,373.00	each	21		49,833.00
2.6	NSI-14	Supply and fixing of 15mm CP brass 2 -Way Bib Cock with wall flange and suitable length CP brass extension pipe all of approved engineer- in-charge	2,654.00	each	21		55,734.00
2.7	18.48	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank	11.00	per litre	8,500	93,500.00	
<u> </u>		Providing and fixing C.P. brass long nose bib cock of approved quality			-		
2.8	18.51	conforming to IS standards and weighing not less than 810 gms.					
	18.51.1	15 mm nominal bore	796.95	each	2	1,593.90	
<u> </u>		Providing and fixing C.P. brass stop cock (concealed) of standard					
2.9	18.52	design and of approved make conforming to IS:8931.					
	18.52.1	15 mm nominal bore	670.45	each	12	8,045.40	
2.10	18.53 18.53.1	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 15mm nominal bore	574.30	each	33	18,951.90	
211	18.21	Providing and fixing uplasticised PVC connection pipe with brass					
2.11	18.21	unions : 45 cm length					
		45 cm length 15 mm nominal bore	97.75	each	33	3,225.75	
<u> </u>		Providing and fixing C.P. brass shower rose with 15 or 20 mm inlet :					
2.12	18.22						
	18.22.2	150 mm diameter	222.35	each	0		
2.13	17.22B	Providing and fixing CP Brass Single lever telephonic wall mixer of quality & make as approved by Engineer in charge. (a) 15 mm nominal dia	6,940.75	each	3	20,822.25	
2.14	NSI-15	Providing, Fixing, testing and commissioning of CP Brass 150 mm. 150 mm. Shower head with wall fange with all accessories as required and making good the walls wherever required. (MAKE- JAQUAR -Model No- OHS-35495 or EQUIVALENT.)	4,875.00	each	3		14,625.00
2.15	NSI-16	Supply, Erection, Testing & Commissioning of Automatic water level control panel & related accessories for pumping automation with consisting of automatic water level controller, level sensor with stainless steel probe, motorized butterfly valve, motorized valve controller with complete in all respect. upto 50 mm dia. nominal bore		each	1		26,947.00
	d	TOTAL		edui	-	569,014.70	164,359.00
1	1	SUBHEAD – III Drainage	1	L		1	

		Description		.	04	Am	ount
3.1	NSI-17	Supply and fixing HDPE double wall corrugated (DWC) 1.5 16098 (Part - 2) 3013 for soil / waste pipe under ground drainage system with jointed with robber ring with good quality budicant for fittings, inclusive of all necessary specials like bends, tees, offsets, junctions, re exavition and refilig etc complete.			Qty	740	
	а	150 mm diameter	1,024.00	metre	10		10,240.00
	b	200 mm diameter	1,298.00	metre			
3.2	19.4	Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masorry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not lessthan 4.5 0k g and frame to be not less than 2.70 kg as per standard design : 180x150 mm size P type					
		With fly ash bricks (non modular) bricks of class designation 7.5					
	19.4.3.1		2,802.15	each	4	11,208.60	
3.3	19.6	Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete =					
	19.6.2 19.6.3	150 mm dia. R.C.C. pipe 250 mm dia. R.C.C. pipe	556.45 899.80	metre metre	25	13,911.25	
	19.6.3	300 mm dia. R.C.C. pipe	899.80 994.30	metre			
3.4	19.7	Constructing brick masonry manhole in cement mortar 14 (1 cement 4 coarse sand) with RCC top slab with 12-47 mk (1 cement 2 coarse sand : 4 stone aggregate 20 mm nominal size), foundation concrete 14-36 mk (1 cement : 4 coarse sand : 8 stone aggregate 40 mm nominal size) inside plastering 12 mm thick with cement mortar 13 (1 cement : 3 coarse sand) finished with a floating coat of neat cement, foundation corcered : 13-6 mk (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm norminal size), and making necessary channel in cement concrete 12-24 (1 cement : 2 coarse sand 4 graded stone aggregate 20 mm norminal size) finished with a floating coat of neat cement complete as per standard design .					
	19.7.1	inside size 90x80 cms and 45 cms deep including CL cover with frame (light duty) 425x610 mm internal dimensions total weight of cover & frame to be not less than 38 kg (weight of cover 23 kg & weight of frame 15 kg)					
	19.7.1.1	with common brunt clay FPS (non modular) bricks of class designation 7.5	12,770.55	Each	4.00	51,082.20	
3.5	19.8	Extra depth for manhole 90x80 cm					
	10.01.1	With FPS bricks class designation 7.5	8,825.40	Metre	0.40	3,530.16	
	19.8.1.1	manno anda dass designation 7.5	3,023.40	wend	0.40	5,550.10	
3.6	19.16	Providing orange colour safety foot rest of minimum 6 mm thick plastic encapsulated as per IS : 10910, on 12 mm dia steel bar conforming to IS:1786, having minimum cross section as 23 mmx25 mm and over all minimum length 263 mm and width as 165 mm with minimum 112 mm space between protruded legs having 2 mm tread on top surface by ribbing or chequering eides necessary and adequate anchoring projections on tail length on 138 mm as per standard drawing and suitable to with stand the bend test and chemical resistance test as per pecifications and having manufacture's permanent identification mark to be visible even after fixing including fixing in manholes with 30x20x15 cm cement concrete block 13.6 (1 cement : 3 coarse said : 6 graded stone aggregate 20 mm nominal size) complete as per design.	553.70	Each	36.00	19,933.20	
3.7	19.27	Constructing brick masonry road gully chamber 50x45x60 cm with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) including 500x450 mm pre-cast R.C.C. horizontal grating with frame complete as per standard design :					
	19.27.1	With common burnt clay F.P.S. (non modular) bricks of class		Frida	6.05		
		designation 7.5	5,957.90	Each	6.00	35,747.40 135,412.81	10,240.00

ESTIMATE OF FOR CONSTRUCTION OF ADDITIONAL DORMITORY & STAFF QUARTERS AT JNV KUPWARA, JAMMU AND KASHMIR

Balance 0.50 Unit Girls Dormitory with 02 nos warden residence (Double Storey, RCC framed structure), Plinth area 691.50 +110.00=801.50 Sqm.

	ABSTRACT OF COST FOR ELECTRICAL WORKS								
SI.No.	Name of Work	TOTAL AM	OUNT(IN RS.)						
51.110.		DSR-2022	MR						
I	SUB HEAD - I: CIRCUIT CUM POINT WIRING	1,179,671.00	205,592.74						
II	SUBHEAD -II - FITTINGS & FIXTURES	152,880.00	444,625.79						
	SUBHEAD - III - DISTRIBUTION BOARDS	133,514.00	-						
IV	SUBHEAD - IV - LIGHTNING CONDUCTOR	71,606.00	24,082.88						
	TOTAL	1,537,671.00	674,301.41						
	Say in lacs	15.38	6.74						

		ESTIMATE OF FOR CONSTRUCTION OF ADDITIONAL DORMITORY & STAFF QUART	ERS AT .	ΙΝΥ ΚΙ	IPWARA, JAN	IMU AND KAS	SHMIR	
		Detailed Estimate for ELECTRICAL Wo						
C No.		e 0.50 Unit Girls Dormitory with 02 nos warden residence (Double Storey, RCC fram					· ·	
S.No.	DSR-2022/NSI	Description	Unit	Qty	DSR-2022	ate NSI	Amou DSR-2022	NSI
		SUB HEAD - I: CIRCUIT CUM POINT WIRING			D3N-2022	INDI	0311-2022	INSI
		SWITCH CONTROL LIGHT POINTS						
		Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm						
		FRLS PVC insulated copper conductor single core cable in surface / recessed						
1	DSR 1.10	medium class PVC conduit, with modular switch, modular plate, suitable GI box						
		and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor						
		single core cable etc. as required.						
1.1	DSR 1.10.3	Group C	Point	256	1,467.00		375,552.00	
		Wiring for group controlled (looped) light point/fan point/exhaust fan point/ call						
		bell point (without Independent switch etc.) with 1.5 sq. mm FRLS PVC insulated						
		copper conductor single core cable in surface/ recessed PVC conduit, and						
2	DSR-1.55	earthing the point with 1.5 sq. mm FRLS PVC insulated copper conductor single						
		core cable etc as required. (Switch Control Secondary Points)						
		core cable etc as required. (Switch control Secondary Folitis)	Point	24	858.00		20,592.00	
2.1	DSR-1.55.3	Group C						
		Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm						
		FRLS PVC insulated copper conductor single core cable in surface / recessed steel						
3	DSR-1.3	conduit, with modular switch, modular plate, suitable GI box and earthing the						
Ĵ	2011 210	point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc.						
		as required. (Switch Control Primary Points)						
3.1	DSR-1.3.3	Group C	Point	0	1,845.00		-	
		Wiring for group controlled (looped) light point/fan point/exhaust fan point/ call						
		bell point (without Independent switch etc.) with 1.5 sq. mm FRLS PVC insulated						
4	DSR-1.54	copper conductor single core cable in surface/ recessed steel conduit, and						
•	DON 110 4	earthing the point with 1.5 sq. mm FRLS PVC insulated copper conductor single						
		core cable etc as required. (Switch Control Secondary Points)						
4.1	DSR-1.54.3	Group C	Point	0	1,094.00		-	
					, -			
		MCB CONTROL LIGHT POINTS						

5	NSI-1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed FRLS PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required. (Switch Control Primary Points)						
5.1	NSI-1.1	Primary point controlled by one MCB.	Point	12		1,523.13		18,277.51
5.2	NSI-1.2	Same as item above but Secondary point . i.e. Points to be looped with Primary point with 2.5 sqmm wire and Point wiring	Point	12		1,354.89		16,258.72
6	DSR 1.12	Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit alongwith 1 No. 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.		200	334.00		66,800.00	
7	DSR 1.14	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.						
7.1	DSR 1.14.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	Metre	20	233.00		4,660.00	
7.2	DSR 1.14.2	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	Metre	1250	275.00		343,750.00	
7.3	DSR 1.14.4	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	Metre		439.00		153,650.00	
7.4	DSR 1.14.5	2 x 10 sq. mm + 1 x 10 sq.mm earth wire	Metre		570.00		28,500.00	
7.5	DSR 1.14.10	4 X 10 sq. mm + 2 X 6 sq. mm earth wire	Metre		1,005.00		80,400.00	
7.6	DSR 1.14.11	4 X 16 sq. mm + 2 X 6 sq. mm earth wire	Metre	50	1,365.00		68,250.00	
8	DSR 1.31	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess including providing and fixing 3 pin 5/6 Amp modular socket outlet and 5/6 A modular switch, connection etc. as required.		16	477.00		7,632.00	
9	NSI-2	Supply and Wiring for 250 volts single phase and neutral 2 Nos 6 amps socket outlate with control by 1 No switched with 2.5 sq.mm PVC insulated copper conductor 1100 volts grade stranded flexible FRLS wires in concealed or surface mounted 25 mm dia 2mm thick PVC conduit including providing and fixing of 6 amps 3 pin switch socket outlet of aprpoved make and design in 2 mm thick GI box with grid plate and earthing of third pin of the socket with 2.5 Sq. mm PVC insulated copper conductor stranded flexible FRLS wire.(maximum four no. of switches socket shall be connected on one circuit)		96		1,781.84		171,056.52

10	DSR 1.32	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.		22	586.00		12,892.00	
11	NSI-3	Supplying and fixing 63 A, 415 V, TPN Industrial type socket outlet, with 4 pole and earth, metal enclosed plug top alongwith 63 A "C" curve, TPMCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket outlet and complete with connections, testing and commissioning etc. as required.		0		11,284.98		-
12	NSI-4	Supplying and fixing 80 A, 415 V, TPN Industrial type socket outlet, with 4 pole and earth, metal enclosed plug top alongwith 80 A "C" curve, TPMCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket outlet and complete with connections, testing and commissioning etc. as required.		0		17,343.23		
13	DSR-1.33	Supplying and fixing 3 pin, 5 A ceiling rose on the existing junction box/ wooden block including connections etc. as required.	Each	19	87.00		1,653.00	
14	DSR-1.57	Supplying & fixing suitable size GI box wih modular plate and cover in front on surface or in recess i/c providing and fixing 25 amp modular socket outlet and 25 Amps modular SP MCB, "C" curve including connection, painting etc. as required. (AC's & Gysers)		10	727.00		7,270.00	
15	DSR 1.24	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as						
15.1	DCD 1 24 C	required.	Nos	10	148.00		1,480.00	
13.1	DSR 1.24.6	Telephone socket outlet	1105	10	140.00		1,400.00	
16	DSR 1.27	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required.						
16.1	DSR 1.27.1	1 or 2 Module (75mmX75mm)	Nos	2	298.00		596.00	
16.2	DSR 1.27.4	6 module (78mm X 205 mm X 50 mm)	Nos	2	402.00		804.00	
17	DSR 1.24	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required.						
17.1	DSR 1.24.4	3 pin , 5/6 amps socket outlet	Each		122.00		244.00	
17.1	DSR 1.24.1	5/6 amps switch	Each	2	103.00		206.00	

		Supplying and fixing of following sizes of medium class PVC conduit along with						
18	DSR 1.21	accessories in surface/recess including cutting the wall and making good the same						
10	D3K 1.21							
18.1	DSR 1.21.2	in case of recessed conduit as required. 25 mm	Mtr	20	145.00		2,900.00	
18.2	DSR 1.21.2 DSR 1.21.3	32 mm	Mtr	10	143.00		1,840.00	
10.2	D3N 1.21.3			10	104.00		1,040.00	
		TOTAL CARRIED TO SUMMARY FOR SUBHEAD - I					1,179,671.00	205,592.74
							1,179,071.00	203,332.74
		SUBHEAD -II - FITTINGS & FIXTURES						
1	NSI-1	Supply, Installation, Testing and Commissioning of 10 W Bulk head Light.	Each	0		1,544.26		-
	_					,		
2	NSI-2	Supply, Installation, Testing and Commissioning of 5W Mirror Light.	Each	0		593.95		-
		Supply, Installation, Testing and Commissioning of 18W Surface/Recessed						
3	NSI-3	Mounted LED circular Downlighter.	Each	120		1,960.02		235,202.71
4	NSI-4	Supply, Installation, Testing and Commissioning of 18/20W Wall/Surface mouted 4						
4	1131-4	ft. LED	Each	8		1,128.50		9,027.98
5	NSI-5	Supply, Installation, Testing and Commissioning of 15W Surface mounted LED						
	1051-5	Square Downlighter.	Each	48		1,781.84		85,528.26
6	NSI-6	Supply, Installation, Testing and Commissioning of 150 W CHANDELIER	Each	0		118,789.25		-
7	NSI-7	Supply, Installation, Testing and Commissioning of 12/9W Recessed mounted						
		LED circular Downlighter.	Each	41		1,425.47		58,444.31
8	NSI-8	Supply, Installation, Testing and Commissioning of 9W (Nominal) Wall Bracket						
		Light	Each	12		296.97		3,563.68
		Currely, Just Hattan, Tasting and Commissioning of 1200 and success DEE 5 store						
		Supply, Installation, Testing and Commissioning of 1200 mm sweep, BEE 5 star						
		rated, ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation:						
		B, 3 nos. blades, 30 cm long down rod, 2nos. canopies, shackle kit, safety rope,						
		copper winding, Power Factor not less than 0.9, Service Value (CM/M/W)						
9	DSR-19.1	minimum 6.00, Air delivery minimum 210 Cum/Min , 350 RPM (tolerance as per IS						
		: 374-2019),THD less than 10%, remote or electronic regulator unit for speed						
		control and all remaining accessories including safety pin, nut bolts, washers,						
		temperature rise=75 degree C (max.), insulation resistance more than 2 mega						
		ohm, suitable for 230 V, 50 Hz, single phase AC Supply, earthing etc. complete as			2 720 00		153 000 00	
		lreauired.	Each	56	2,730.00		152,880.00	

			1					
10	NSI-9	Supply Installation, Testing and Commissioning of 250 mm dia Domestic Exhaust Fan	Each	19		2,782.04		52,858.84
		TOTAL CARRIED TO SUMMARY FOR SUBHEAD - II					152,880.00	444,625.79
		SUBHEAD - III - DISTRIBUTION BOARDS						
		Cumplying and fiving following way, single and newtral, short short MCD						
		Supplying and fixing following way, single pole and neutral, sheet steel, MCB						
1	DSR 2.3	distribution board, 240 V, on surface/ recess, complete with tinned copper bus						
1	D3R 2.5	bar, neutral bus bar, earth bar, din bar, interconnections, powder painted						
		including earthing etc. as required. (But without MCB/RCCB/Isolator)						
1.1	DSR 2.3.1	6 way, Double door	Each	0	2,206.00		_	
1.2	DSR 2.3.2	8 way, Double door	Each	0	2,573.00		-	
1.3	DSR 2.3.3	12 way, Double door	Each	2	2,315.00		4,630.00	
					,		,	
		Supplying and fixing following way, three pole and neutral, sheet steel, MCB						
		distribution board, 415 volts, on surface/ recess complete with tinned copper						
2	DSR 2.4	busbar, neutral busbar, earth bar, din bar, detachable gland plate,						
		interconnections, phosphatized and powder painted including earthing etc. as						
		required. (But without MCB/ RCCB/ Isolator)						
2.1	DSR 2.4.1	4 way (4 + 12), Double door	Each	0	4,091.00		-	
2.2	DSR 2.4.2	6 way (4 + 18), Double door	Each	0	4,974.00		-	
2.3	DSR 2.4.3	8 way (4 + 24), Double door	Each	6	5,967.00		35,802.00	
		Supplying and fixing of following ways surface/ recess mounting, vertical type,						
		415 V, TPN MCB distribution board of sheet steel, dust protected, duly powder						
		painted, inclusive of 200 A tinned copper bus bar, common neutral link, earth bar,						
3	DSR 2.5	din bar for mounting MCBs (but without MCBs and incomer) as required . (Note						
		:Vertical type MCB TPDB is normally used where 3 phase outlets are required.)						
3.1	DSR 2.5.3	12 way (4 + 36), Double door	Each	0	12,833.00			
- <u></u>	051(2.3.3				12,033.00			
		Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature						
_		circuit breaker suitable for inductive load of following poles in the existing MCB						
4	DSR 2.10	DB complete with connections, testing and commissioning etc. as required.						
4.1	2.10.1	Single Pole	Each	124	256.00		31,744.00	

4.2	2.10.2	Single Pole Neutral	Each	0	599.00	-	
		Supplying and fixing following rating, double pole, 240 V, isolator in the existing					
5	DSR 2.12	MCB DB complete with connections, testing and commissioning etc. as required.					
5.1	DSR 2.12.1	40 A	Each	0	435.00	-	
5.2	DSR 2.12.2	63 A	Each	0	527.00	-	
		Supplying and fixing following rating, four pole, 415 V, isolator in the existing MCB					
6	DSR 2.13	DB complete with connections, testing and commissioning etc. as required.					
6.1	DSR 2.13.1	40 A	Each	6	970.00	5,820.00	
6.2	DSR 2.13.2	63 A	Each	2	1,034.00	2,068.00	
		Supplying and fixing following rating, double pole, (single phase and neutral), 240					
7	DSR 2.14	V, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the					
,	D3N 2.14	existing MCB DB complete with connections, testing and commissioning etc. as					
		required.					
7.1	DSR 2.14.1	25 A	Each	0	2,028.00	-	
7.2	DSR 2.14.2	40 A	Each	14	2,642.00	36,988.00	
7.3	DSR 2.14.3	63 A	Each	6	2,722.00	16,332.00	
8	DSR 2.11	Supplying and fixing single pole blanking plate in the existing MCB DB complete					
0	D3K 2.11	etc. as required.	Each	10	13.00	130.00	
		TOTAL CARRIED TO SUMMARY FOR SUBHEAD - III				133,514.00	-
		SUBHEAD - IV - LIGHTNING CONDUCTOR					
		Earthing with Cu. earth Plate 600mm x 600mm x 3mm thick including					
1	DSR 5.6	accesssories, and providing masonary enclosure with cover plate (CI heavy duty)					
		having locking arrangement and watering pipe of 2.7 mtr long etc. with charcoal					
		or coke and salt) as required.	Sets	2	13,838.00	27,676.00	
_		Providing and fixing of lightning conductor finial, made of 25 mm dia 300 mm					
2	DSR 6.2	long, G.I. tube, having single prong at top, with 85 mm dia 6 mm thick G.I. base					
		plate including holes etc. complete as required.	Each	2	518.00	1,036.00	
2		Jointing copper / G.I. tape (with another copper/ G I tape, base of the finial or any					
3	DSR 6.4	other metallic object) by riveting / nut bolting/ sweating and soldering etc as			112.00	004.00	
		required.	Each	8	113.00	904.00	

4	DSR 6.7	Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required. (For horizontal run)	Metre	75	126.00		9,450.00	
5	DSR 6.8	Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For vertical run)	Metre	65	197.00		12,805.00	
6	DSR 6.12	Providing and fixing testing joint, made of 20 mm X 3 mm thick G.I. strip, 125 mm long, with 4 nos. of G.I. bolts, nuts, chuck nuts and spring washers etc. complete as required.		10	121.00		1,210.00	
7	DSR 6.14	Providing and laying G.I. tape 32 mm X 6 mm from earth electrode directly in ground as required.	Metre	95	195.00		18,525.00	
8	NSI-1	Supply of Lightnig counter - LCD screen shows the number of lightning strikes, hour and date of lightning events Buttons enable TIME/DATE setting and log viewing. Replaceable battery, working life minimum five years, meet the requirements for IS/IEC 62305 and IEC 62561-2.Tested for Electrical ,Mechanical and Chemical as per IEC 62561.	Nos.	1		24,082.88		24,082.88
		TOTAL CARRIED TO SUMMARY SHEET FOR SUBHEAD IV					71,606.00	24,082.88

A I I I	DETAILS OF MEASUREMENT DESCRIPTION OF ITEM Earth Work Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. All kinds of soil Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth,consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5 m. Extra for every additional lift of 1.5 m or part thereof in excavation /	2.8.1	QUANTITY 92.20	UNIT	(TYPE-5) RATES	AMOUNT DSR ITEM	AMOUNT [M.R. ITEN
A I I I	Earth Work Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. All kinds of soil Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth,consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5 m.				RATES		
1 I I I I I I I I I I I I I I I I I I I	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. All kinds of soil Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth,consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5 m.	2.8.1	92.20	CUM			
1 1 2 1 2 1 2 1 3 1 4 5 5 1 1 1 3 1 6 1 6 1 6 1	manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. All kinds of soil Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth,consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5 m.	2.8.1	92.20	CUM			
2 I C C C C C C C C C C C C C C C C C C	width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. All kinds of soil Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth,consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5 m.	2.8.1	92.20	CUM			
2 1 c c c 2 1 c c c 1 1 3 1 t t t 5 1 1 r r x x s s 8 0 c 6 1 c c c c c 1 1 c c c c c 1 1 c c c c c	bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. All kinds of soil Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth,consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5 m.	2.8.1	92.20	CUM			1
2 I 2 I 2 I 2 I 4 S 5 I 1 1 1 1 1 1 1 1 1 1 1 1 1	disposal of surplus excavated soil as directed, within a lead of 50 m. All kinds of soil Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth,consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5 m.	2.8.1	92.20	CUM			
2 I c c c c f f f f f f f f f f f f f f f	All kinds of soil Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth,consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5 m.	2.8.1	92.20	CUM		1	
2 I c c c c c c c c c c c c c c c c c c	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5 m.	2.8.1	92.20	CUM			
3 I 4 5 5 I 1 1 5 I 1 1 5 I 1 1 5 I 1 1 5 I 1 1 5 I 1 1 5 I 1 1 5 I 1 1 5 I 1 1 5 I 1 1 5 I 1 1 5 I 1 1 5 I 1 1 5 I 1 1 1 1 5 I 1 1 5 1 1 1 1 1	of foundations etc. in layers not exceeding 20cm in depth,consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5 m.				260.30	23,999.66	
3 I 4 5 5 I 1 1 5 I 1 1 5 I 1 1 5 I 1 1 5 I 1 1 5 I 1 1 5 I 1 1 5 I 1 1 5 I 1 1 5 I 1 1 5 I 1 1 5 I 1 1 5 I 1 1 5 I 1 1 1 1 5 I 1 1 5 1 1 1 1 1	of foundations etc. in layers not exceeding 20cm in depth,consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5 m.						
6 11 3 I t 4 S 5 I t 5 I t 5 S B C 6 I t c c :	each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5 m.						
1 3 I b b 4 S r r 5 I T r V S B 6 i c : :	1.5 m.						
3 I 4 S 1 5 I 5 I 5 I 6 I 6 I 6 I		2.25	64.54	CUM	196.00	12,649.84	
4 5 1 5 1 5 1 1 1 1 1 1 1 1 5 8 0 6 1 6 1 6	Extra for every additional lift of 1.5 m or part thereof in excavation /	2.23	04.54	COM	190.00	-	
4 S r 5 I 5 I 5 8 G 6 I 6 I 6 :	Extra for every additional fift of 1.5 in or part increation in excavation i						
4 5 1 5 I 8 6 6 I 6	banking excavated or stacked materials.						
B (6)	All kinds of soil	2.26.1	22.33	CUM	126.80	2,831.44	
5 I 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Supplying and filling in plinth with sand under floors, including watering,						
5 II 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ramming, consolidating and dressing complete.	2.27	4.83	CUM	2123.75	10,257.71	
B (0 6 I ;		/	1.05	20111	2.23.13	10,207.71	
B (6 I 6 :	Excavating, supplying and filling of local earth (including royalty) by						
B (6 I 6 :	mechanical transport upto a lead of 5km also including ramming and						
B (6 H	watering of the earth in layers not exceeding 20 cm in trenches, plinth, sides of foundation etc. complete.	2.25a	1.30	CUM	700.50	910.65	
6 I	sides of foundation etc. complete.	2.2.3d	1.50	COM	700.50	910.05	
e :	Concrete Work						
:	Providing and laying in position cement concrete of specified grade						
	excluding the cost of centering and shuttering - All work up to plinth level						
ž	:1:5:10 (1 cement : 5 coarse sand (zoneIII)derived from natural sources : 10						
	graded stone aggregate 40 mm nominal size derived from natural sources)	4.1.10	10.21	CT D (6510.60	66 554 01	
		4.1.10	10.21	CUM	6518.60	66,554.91	
7 I	Providing and laying damp-proof course 40mm thick with cement concrete						
	1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4						
£	graded stone aggregate 12.5mm nominal size derived from natural sources)						
		4.10	10.14	SQM	410.85	4,166.02	
8 I	Providing & applying a coat of residual petroleum bitumen of grade of VG-						
	10 of approved quality using 1.7kg per square metre on damp proof course						
e	after cleaning the surface with brushes and finally with a piece of cloth						
1	lightly soaked in kerosene oil.	4.13	10.14	SQM	146.15	1,481.96	
9 1							
	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone						
	aggregate 20 mm nominal size derived from natural sources) over 75mm						
	thick bed of dry brick ballast 40 mm nominal size, well rammed and						
	consolidated and grouted with fine sand, including necessary						
	excavation, levelling & dressing & finishing the top smooth.						
	execution, je tenning as all essing as finitening the top shootal.	4.17	24.780	SQM	749.30	18,567.65	
	Brick edging in full brick width and half brick depth including excavation refilling and disposal of surplus earth lead upto 50 metres. With common						
	burnt clay F.P.S.(non modulur) bricks of class designation 75						
	built elay 1.1.5.(fion modulur) offeks of elass designation 75	16.7.1	41.30	RM	194.30	8,024.59	
	Reinforced Cement Concrete					-	
	Centering and shuttering including strutting, propping etc. and removal of form for all heights :						
	Foundations, footings, bases of columns, etc. for mass concrete.	5.9.1	34.14	SQM	392.15	13,388.00	
	Suspended floors, roofs, landings, balconies and access platform.	5.9.3	75.90	SQM	927.25	70,378.28	
(c) I	Lintels, beams, plinth beams, girders, bressumers	5.9.5	77.02	SQM	736.40	56,717.53	
(d) (Columns, Pillars, Piers, Abutments, Posts and Struts.	5.9.6	91.80	SQM	961.30	88,247.34	
(e) I	Edges of slabs and breaks in floors and walls Under 20 cm wide.	5.9.16.1	65.90	RM	208.55	13,743.45	
12 5	Steel reinforcement for R.C.C. work including straightening, cutting,						
	bending, placing in position and binding all complete upto plinth level .						
	Thermo-Mechanically Treated bars of grade Fe-500D or more.						
		5.22.6	18.50	QTL.	10785.00	199,522.50	
12	Chall minfrasement for D.C.C. 1 (11) (11)						
	Steel reinforcement for R.C.C. work including straightening, cutting,					1	1
1	bending, placing in position and binding all complete a bove plinth level. Thermo-Mechanically Treated bars of grade Fe-500 D or more.						

14	Add for plaster drip course/ groove in plastered surface or moulding to R.C.C. projections.	5.30	109.20	RM	78.40	8,561.28	
15	Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curring, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge; for the following grades of concrete. Note: Extra cement up to 10% of the minimum specified cement content in						
	design mix shall be payable separately. In case the cement content in design mix is more than 110% of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement.						
(I)	All works upto plinth level Concrete of M25 grade with minimum cement	5.33 5.33.1					
	content of 330 kg /cum	5.33.1.1					
	(i) R.C.C. work in Footing	5.33.1.1	12.74	CUM	9504.75	121,090.52	
	(ii) R.C.C. work in Beam	5.33.1.1	4.14	CUM	9504.75	39,349.67	
	(iii) R.C.C. work in Columns	5.33.1.1	2.64	CUM	9504.75	25,092.54	
(II)	All works above plinth level upto floor V level Concrete of M25 grade with minimum cement	5.33.2					
	content of 330 kg/cum	5.33.2.1	0.4.4	67.D.(22.62.42	1 200 46	
	(i) R.C.C. work in Lintel (ii) R.C.C. work in Beam	5.33.2.1	0.14 3.23	CUM CUM	9860.40 9860.40	1,380.46 31,849.09	
	(ii) R.C.C. work in Columns	5.33.2.1	4.25	CUM	9860.40	41,906.70	
	(iv) R.C.C. work in Slab	5.33.2.1	9.52	CUM	9860.40	93,871.01	
D	Masonry Work						
16	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of						
	class designation 7.5 in foundations and plinth in : cement mortar 1:4 (1 cement : 4 coarse sand)	6.13.2	60.04	Sqm	1123.80	67,472.95	
	cement . 4 coarse sand)	0.13.2	00.04	Sqiii	1125.80	07,472.95	
17	Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry.	6.15	60.04	SQM	104.80	6,292.19	
18	Brick work with non modular fly ash bricks conforming to IS:12894, class designation 10 average compressive strength in superstructure above plinth level up to floor V level in : Cement mortar 1:6 (1 cement : 6 coarse sand)	6.34 6.34.2	7.36	CUM	8752.55	64.418.77	
	cement mortar 1.0 (1 cement : 0 coarse sand)	0.34.2	7.50	COM	8732.33	04,410.77	
19	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:Cement mortar 1:6 (1 cement : 6 coarse sand)	6.1.2	4.10	CUM	7132.25	29,242.23	
Е	Cladding Work					_	
	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels.						
20	Area of slab upto 0.50 sqm	8.2.2.1	0.49	SQM	5413.50	2,641.79	
	Area of slab over 0.50 sqm Providing edge moulding to 18mm thick marble stone counters, Vanities	8.2.2.2	3.33	SQM	5136.30	17,103.88	
	etc. including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge.					2,493.44	
21 22	etc. including machine polishing to edge to give high gloss finish etc.	8.3.2	4.88	RM	510.95	2,493.44	
22	etc. including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge.	8.3.2	4.88	RM	510.95	2,475.44	
	etc. including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge. Granite work Extra for fixing marble /granite stone over and above corresponding basic item, in facia and drops of width upto 150 mm with epoxy resin based						

25	Providing and fixing Ist quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm,						
	coarse sand) and jointing with grey cement surry @ 5.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	8.31	22.77	SQM	1267.95	28,871.22	
F	Wood and PVC Work						
26	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters:35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	9.21.1	13.55	SQM	2392.65	32,420.41	
27	Extra for providing lipping with 2nd class teak wood battens 25 mm minimum depth on all edges of flush door shutters (over all area of door shutter to be measured).	9.23	13.55	SQM	462.35	6,264.84	
28	Extra for cutting rebate in flush door shutters (Total area of the shutter to be measured).	9.26	2.52	SQM	106.70	268.88	
29	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to steel windows by welding.	9.48.1	12.60	KG	219.10	2,760.66	
30	Providing and fixing aluminium hanging floor door stopper ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete. Twin rubber stopper	9.101.2	9.00	NOS	72.35	651.15	
31	Providing and fixing factory made door frame (single rebate) made out of single piece extruded solid PVC foam profile with homogenous fine cellular structure having smooth outer integral skin having 62 mm width & 32 mm thickness, frame will be mitred & Jointed with self driven self tapping screws of size 38 mm x 4 mm & PVC solvent cement, including fixing the frame to wall with suitable dia & length anchor fastener as per manufacturer's specification and direction of Engineer-in-charge.						
		9.123	9.90	RM	696.00	6,890.40	
32	Providing & Fixing decorative high pressure laminated sheet of plain / wood grain in gloss / matt/ suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046 Type S, including cost of adhesive of approved quality. 1.0 mm thick	0.105.0	27.10		007.00	24.216.92	
		9.127.2	27.10	SQM	897.30	24,316.83	
33	Providing and fixing wire gauge shutters using stainless steel grade 304 wire gauge with wire of dia 0.5 mm and average width of aperture 1.4 mm in both directions for doors, windows and clerestory windows with necessary screws : 30 mm thick shutters With ISI marked stainless steel butt hinges of required size , Kiln seasoned and chemically treated hollock wood	9.134.2.2.2	4.41	SQM	3619.60	15,962.44	
34	3000 Series Windows (Double Rebate with Air Tight Glass Shutter Windows) Providing& Fixing 3000 Series Windows fabricated from roll formed sections made of Galvanized Steel Colour Coated/Powder Coated (Base Steel as per IS 513 "D" quality, Galvanized as per IS 277 with Zinc of 120 grams/Sq. Mtr.) with total coated thickness of 0.60 mm. Paint Specifications: Coated Sections should be with Primer Coat of Epoxy Primer of 5-7 microns thick, finish painted with Polyester Paint of 12-16 microns thick and back coated with Alkyd backer of 5-7 microns, or Powder Coated with pure Polyester Powder up to 50-60 microns thick.						

	Dimensions of Sections: Section for Frame should be of 98mm X 50mm, Section for Mullion should be of 46mm X 70mm, Section for Shutter Frame should be of 46mm X 46 mm, Section for Fixed Glass Bead should be of 18mm X 25mm and Section for Fly mesh Shutter Frame should be of 20mm X 40mm. Fixing Details: Frame and Mesh Shutter Sections should be cut to length and mitre joined with Corner Bracket made of Polypropylene. Glass Shutter should be mitre joined with corner brackets made of CRCA electroplated. Mullion Section should be joined with Frame/ Mullion using Nylon Mullion Cap Ethyl Propylene Diamine Monomer (EPDM) Gasket should be used all around glass in shutter between Frame and Glazed Shutter and both sides of Fixed Glass. Spoon Profile should be used around Fly mesh to fix Mesh in Mesh Shutter.						
	Accessories: Each Glazed Shutter should be provided with MS Powder Coated Friction Hinges – 1 set, High Grade Aluminum Powder Coated Handle -1 No. Each Mesh shutter should be provided with S.S.Pivot Hinges-1 set, Elixir make handle shall be provided per shutter. Window Frame should be fixed to brick/concrete masonary by using Nylon self expanding caps and driving MS electroplated 80mm long screws into the caps through frames. Glass: Glass shutter & Fixed Glass portions should be provided with a glass of 4MM Plain Float Glass. Mesh Mesh Shutter should be provided with a Stainless Steel 32 gauge Fly mesh of 304 grades with 144 holes per square Inch. Grill:- Windows should be provided with Grill made of 10mm sq. MS Bars welded to at 150mm center-to-center, 6mm x 12mm MS flat. Total grill unit should be powder coated and fixed to window frame with screws. (Make: A2Z Infra Solutions/ Elixir Metform Pvt Ltd./ Lakshmi Fabrications)						
		MR	15.15	SQM	10,500.00		159,075.00
35	Providing and fixing bright /matt finished Stainless Steel handles of approved quality & make with necessary screws etc all complete. (a) 125 mm.	9.165.1	20.00	NOS	100.45	2,009.00	
36	Providing & fixing Stainless steel sliding door bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with nuts and screws etc complete. (a) 250mm x 16mm.	M.R.	9.00	NOS	560.00		5,040.00
37	Providing and fixing stainless steel towerbolts (barrel type) with necessary						
	screws etc. complete. 300 x 10mm	M.R.	9.00	NOS	448.00		4,032.00
	150 x 10mm	M.R.	9.00	NOS	392.00		3,528.00
38	Providing and fixing 6mm thick both sides Pre-laminated cement bonded wood particle board as per IS : 15786:2008 of approved brand and shade with suitable full threaded steel screws etc. on the backing of racks, drawer, cupboard, kitchen cabinet under kitchen counter etc. all complete as per direction of Engineer in-charge.	9.167	8.00	SQM	1010.60	8,084.80	
39	Providing and fixing cupboard shutter with 19mm thick one side decorative and other side balancing lamination factory pressed BWP grade marine ply as per IS 710 of approved brand including 2mm thick PVC edge banding tape with hot glue by edge bending machine etc. with auto closing spring loaded hinges (hydraulic type) etc. complete as per direction of Engineer in-charge.(Payment of providing and fixing auto closing hinges shall be paid separately)	9.168	7.30	SQM	2829.25	20,653.53	
40	Providing and fixing 19mm thick both side balancing lamination			_		-	
τv	factory pressed BWP grade marine ply as per IS 710 of approved brand boxes, shelves, racks, almirah, cupboard and drawer etc. including necessary nails, screws etc. complete as per direction of Engineer-in-charge.	9.169	24.73	SQM	2593.15	64,128.60	
						-	
41	Providing and fixing stainless steel fancy handle of approved make fixed with SS screws etc. complete as per direction of Engineer-in-charge.						

Ι	Finishing						
		11.40.2	5.09	SQM	1023.05	8,201.32	
52	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including grouting the joint with white cement & matching pigments etc. complete. Size of Tile 600x600 mm	11.46.2	5.09	SQM	1623.05	8,261.32	
51	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including grouting the joints with white cement and matching pigments etc., complete. Size of Tile 600x600 mm.	11.41.2	39.94	SQM	1553.45	62,044.79	
50	Providing and laying Vitrified tiles in floor in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laidon 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) jointing with grey cement slurry @3.3 kg/sqm including grouting the joints with white cement and matching pigments etc. The tiles must be cut with the zero chipping diamond cutter only . Laying of tiles will be done with the notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet for placing the tiles gently and easily.Glazed Vitrified tiles Matt/Antiskid finish of size of Tile 600 x 600 mm	11.41A.3.1	7.74	SQM	1464.85	11,337.94	
49	Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete.	11.27	3.72	SQM	2354.70	8,759.48	
48	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) : 25 mm thick	11.26.1	7.90	SQM	1948.25	15,391.18	
Н	windows, clerestory windows, all complete with : 4.0 mm thick glass panes (weights not less than 10 kg/ sqm) Flooring	10.30.1	0.84	SQM	1064.65	894.31	
46 47	Providing and fixing T-iron frames for doors, windows and ventilators of mild steel Tee-sections, joints mitred and welded, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size Providing & fixing glass panes with putty and glazing clips in steel doors,	10.13.1	131.55	KG	141.70	18,640.64	
G	Steel Work						
45	SS Hanging Rod for CB Providing and fixing 25 mm dia. SS pipe Hanging rods with SS brackets :	Analysis	2.20	RM	405.50	- 892.10	
	telescopic drawer channels of approved make 500 mm long with screws etc. complete as per directions of Engineer- in-charge	9.172	2.00	one set	885.10	1,770.20	
44	Providing and fixing stainless steel soft closing heavy type	9.171	2.00	Nos.	272.00	544.00	
43	Providing and fixing stainless steel soft closing spring hinges at 0 degree hinges (hydraulic type) of approved make/brand to cupboard shutters with full threaded steel screws including making necessary recess in board and finished etc. complete as per direction of Engineer-in-charge						
	Engineer-in-charge. 100 mm for Kitchen Cabinets	Analysis	20.00	Nos.	95.00	1,900.00	
42	Providing and fixing stainless steel fancy handle of approved make fixed with SS screws etc. complete as per direction of						

				Sav	Rs. In Lacs	19.79	1.72
					TOTAL	1,979,098.01	171,675.00
	designation 10	12.19	50.46	SQM	607.40	30,649.40	
64	Providing and laying brick tiles over mumty roofs, grouted with cement mortar 1:3 (1 cement : 3 fine sand) mixed with 2% of integral water proofing compound by weight of cement, over 12 mm layer of cement mortar 1:3 (1 cement : 3 fine sand) and finished neat: With common burnt clay F.P.S. (non modular) brick tiles of class						
		14.86	50.46	SQM	730.55	36,863.55	
	blown type bitumen of grade 85/25 conforming to IS : 702, 3rd and 5th layers of roofing membrane APP modified Polymeric membrane 1.5 mm thick of 2.25 Kg/sqm weight consisting of five layers prefabricated with centre core as 20 micron HMHDPE film sandwiched on both sides with polymeric mix and the polymeric mix is protected on both side with 20 micron HMHDPE film. 7th, the top most layer shall be finished with brick tiles of class designation 10 grouted with cement mortar 1:3 (1cement : 3 fine sand) mixed with 2% integral water proofing compound by weight of cement over a 12 mm layer of cement mortar 1:3 (1 cement : 3 fine sand) and finished neat (item of laying brick tiles shall be paid for separately).						
J 63	Water Proofing Providing and laying in situ seven course water proofing treatment with APP (Atactic poly-propylene) modified Polymeric memberane over roof consisting of first coat of bitumen primer @ 0.40 litre per sqm, 2nd, 4th & 6th courses of bonding material @ 1.20 Kg/sqm, which shall consist of						
	prepare the surface even and smooth complete.	13.80	90.44	SQM	156.05	14,113.16	
62	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.						
61	Painting with black anti-corrosive bitumastic paint of approved brand and manufacture to give an even shade : Two or more coats on new work	13.65.1	18.12	SQM	140.25	2,541.33	
	Two or more coats on new work.	13.61.1	118.86	SQM	155.90	18,530.74	
60	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:	13.61					
59	With ready mixed red oxide zink chromate primer of approved brand and manufacture on steel galvanised iron/steel works.	13.50.3	47.00	SQM	67.40	3,167.80	
	Applying priming coat: With ready mixed aluminium primer of approved brand and manufacture on resinous wood and plywood	13.50 13.50.2	71.86	SQM	74.65	5,364.57	
	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade. New work (Two or more coats applied @ 1.43 ltr/ 10 sqm. over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm).	13.47.1	178.16	SQM	171.10	30,483.18	
56	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade : New work (two or more coats) over and including water thinnable priming coat with cement primer.	13.41.1	223.00	SQM	185.65	41,399.95	
	6 mm cement plaster on celling (a) 1:3(1 cement:3 fine sand)	13.16.1	11.52	SQM	300.45	3,461.18	
54	15 mm cement plaster on the rough side of single or half brick wall of mix : 1:6 (1 cement: 6 coarse sand)	13.5.2	132.56	SQM	395.35	52,407.60	
	12mm cement plaster in single coat on fair side of single or half brick wall for exterior plastering up to floor two level including internal rounded angles chamfers, and/or rounded angles not exceeding 80mm in girth and finished even and smooth no extra for mixing any additive. 1:6 (1 cement: 6 coarse sand)	13.4.2	178.16	SQM	343.65	61,224.68	

E	ESTIMATE OF FOR CONSTRUCTION OF ADDITIONAL DORMITORY & STAFF QUARTERS AT JNV PLUMBING INTERNAL ESTIMATE (Type-5/ Principal Residence)										
Sl. No.	Description	Amo	unt								
	-	DSR Items - 2023	NS Items								
1	Sanitary Installation	83,373.85	55,447.00								
2	Water Supply	64,012.20	14,929.00								
3	Drainage	40,059.89	5,120.00								
	Total	187,445.94	75,496.00								
	Say in lacs	1.87	0.75								

S.No.	STIMATEO	F FOR CONSTRUCTION OF ADDITIONAL DORMITORY & STAFF QU. PLUMBING INTERNAL ESTIMATE (Type-5/Pri			JP WAKA, JA	MMU AND KA	SHMIK
	DSR '23	Description	Qty	Unit	Rate	Amo	unt
E E						DSR-2023	MR
		Sub Head – I Sanitary Installation					
		Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing					
1.1	17.1	cistern, including flush pipe, with manually controlled device (handle lever)					
		conforming to IS : 7231, with all fittings and fixtures complete, including					
		cutting and making good the walls and floors wherever required:.					
	17.1.1	White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with			6 767 40	6 7 67 40	
		integral type foot rests. Providing and fixing white vitreous china pedestal type water closet (European	1	each	6,767.40	6,767.40	
		type) with seat and lid, 10 litre low level white vitreous china flushing cistern					
		& C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow					
1.2	17.3	arrangement with specials of standard make and mosquito proof coupling of					
		approved municipal design complete, including painting of fittings and					
		brackets, cutting and making good the walls and floors wherever required :					
	17.3.1	W.C. pan with ISI marked white solid plastic seat and lid	1	each	8,006.60	8,006.60	
		Providing and fixing floor mounted, white vitreous china single piece, double					
		traps syphonic water closet of approved brand/make, shape, size and pattern					
	17.01	including integrated white vitreous china cistern of capacity 10 litres with dual flushing system, including all fittings and fixtures with seat cover, cistern					
1.3	17.81	fittings, nuts, bolts and gasket etc including making connection with the					
		existing P/S trap, complete in all respect as per directions of Engineer-in-					
		Charge.	0	each	18,212.90	-	
		Providing and fixing white vitreous china battery based infrared sensor					
1.4	17.80	operated urinal of approx. size 610 x 390 x 370 mm having pre & post flushing with water (250 ml & 500 ml consumption), having water inlet from					
1.4	17.80	back side, including fixing to wall with suitable brackets all as per					
		manufacturers specification and direction of Engineer-in-charge.	0	each	7,979.20	-	
		Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar					
1.5	17.7	taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings					
		and brackets, cutting and making good the walls wherever require: White Vitreous China Wash basin size 550x400 mm					
1.5.1	17.7.3	with a pair of 15 mm C.P. brass pillar taps	2.00	each	2,301.75	4,603.50	
		Providing and fixing white vitreous china wash basin under counter basin, with			1	,	
		C.I. concealed type brackets fixed to walls with GI rag bolts or approved					
		fasteners etc., including 32 mm CP brass waste coupling, including painting of					
1.6	NSI-1	fittings and brackets, cutting and making good the walls wherever required all complete (Granite counter top will be measured and paid separately under					
		relevent item): as per approved make and decision of engineer-in-charge					
		/ 1 11 0 0	0	each	4,689.00		-
1.7	17.34	Providing and fixing toilet paper holder :					
	17.34.1	C.P. brass Providing and fixing CP brass auto closing system basin pillar tap / hand	2	each	803.70	1,607.40	
1.8	NSI-2	wash of Jaquar PRS - 001 or Equivalent as approved by Engineer- In					
		Charge	8	each	5,092.00		40,736.0
		Providing and fixing CP brass single lever basin mixer without popo with					
1.9	NSI-3	450mm long braided hose (connection pipe) basin pillar tap of Jaquar LYR-					
		38001B or Equivalent as approved by Engineer- In Charge.	0	each	7,406.00		
1.10	15.00.1	Providing and fixing 32mm C.P brass bottle Trap of approved quality & make	0	cuen	7,100.00		
1.10	17.22A	as per the direction of engineer-in-incharge.	2	each	1,034.80	2,069.60	
		Providing and fixing 600x450 mm beveled edge mirror of superior glass (of					
1.11	17.31	approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	2	Sam	1,607.95	2 215 00	
		Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS :	2	Sqm	1,007.93	3,215.90	
	17 10	13983 with C.I. brackets and stainless steel plug 40 mm, including painting of					
1.12	17.10	fittings and brackets, cutting and making good the walls wherever					
	17.10.1	required :					
	17.10.1 17.10.1.1	Kitchen sink with drain board 510x1040 mm bowl depth 250mm	1	each	6945.60	6,945.60	
			1	cacii	0945.00	0,945.00	
	17.10.2	Kitchen sink without drain board				-	
	17.10.2	Kitchen sink without drain board 610x460 mm bowl depth 200 mm	0	each	3,873.80		
		610x460 mm bowl depth 200 mm Providing and fixing white vitreous china laboratory sink with C.I. brackets,	0	each	3,873.80		
1.13	17.10.2.2	610x460 mm bowl depth 200 mm Providing and fixing white vitreous china laboratory sink with C.I. brackets, C.P. brass chain with rubber plug, 40 mm C.P brass waste and 40mm C.P.	0	each	3,873.80		
1.13		610x460 mm bowl depth 200 mm Providing and fixing white vitreous china laboratory sink with C.I. brackets, C.P. brass chain with rubber plug, 40 mm C.P brass waste and 40mm C.P. brass trap with necessary C.P. brass unions complete, including painting of	0	each	3,873.80		
1.13	17.10.2.2 17.11	610x460 mm bowl depth 200 mm Providing and fixing white vitreous china laboratory sink with C.I. brackets, C.P. brass chain with rubber plug, 40 mm C.P brass waste and 40mm C.P. brass trap with necessary C.P. brass unions complete, including painting of fittings and brackets, cutting and making good the wall wherever required :	0				
	17.10.2.2 17.11 17.11.1	610x460 mm bowl depth 200 mm Providing and fixing white vitreous china laboratory sink with C.I. brackets, C.P. brass chain with rubber plug, 40 mm C.P brass waste and 40mm C.P. brass trap with necessary C.P. brass unions complete, including painting of		each	3,873.80		
	17.10.2.2 17.11 17.11.1 17.28	610x460 mm bowl depth 200 mm Providing and fixing white vitreous china laboratory sink with C.I. brackets, C.P. brass chain with rubber plug, 40 mm C.P brass waste and 40mm C.P. brass trap with necessary C.P. brass unions complete, including painting of fittings and brackets, cutting and making good the wall wherever required : Size 450x300x150 mm Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.					
	17.10.2.2 17.11 17.11.1 17.28 17.28.2	610x460 mm bowl depth 200 mm Providing and fixing white vitreous china laboratory sink with C.I. brackets, C.P. brass chain with rubber plug, 40 mm C.P brass waste and 40mm C.P. brass trap with necessary C.P. brass unions complete, including painting of fittings and brackets, cutting and making good the wall wherever required : Size 450x300x150 mm Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Flexible pipe	0	each	5,020.85	-	
1.14	17.10.2.2 17.11 17.11.1 17.28 17.28.2 17.28.2.2	610x460 mm bowl depth 200 mm Providing and fixing white vitreous china laboratory sink with C.I. brackets, C.P. brass chain with rubber plug, 40 mm C.P brass waste and 40mm C.P. brass trap with necessary C.P. brass unions complete, including painting of fittings and brackets, cutting and making good the wall wherever required : Size 450x300x150 mm Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Flexible pipe 40 mm dia					
1.13 1.14 1.15	17.10.2.2 17.11 17.11.1 17.28 17.28.2 17.28.2.2 17.35	610x460 mm bowl depth 200 mm Providing and fixing white vitreous china laboratory sink with C.I. brackets, C.P. brass chain with rubber plug, 40 mm C.P brass waste and 40mm C.P. brass trap with necessary C.P. brass unions complete, including painting of fittings and brackets, cutting and making good the wall wherever required : Size 450x300x150 mm Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Flexible pipe 40 mm dia Providing and fixing soil, waste and vent pipes :	0	each	5,020.85	-	
1.14	17.10.2.2 17.11 17.11.1 17.28 17.28.2 17.28.2.2 17.35 17.35.1	610x460 mm bowl depth 200 mm Providing and fixing white vitreous china laboratory sink with C.I. brackets, C.P. brass chain with rubber plug, 40 mm C.P brass waste and 40mm C.P. brass trap with necessary C.P. brass unions complete, including painting of fittings and brackets, cutting and making good the wall wherever required : Size 450x300x150 mm Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Flexible pipe 40 mm dia	0	each	5,020.85	-	
1.14	17.10.2.2 17.11 17.11.1 17.28 17.28.2 17.28.2.2 17.35	610x460 mm bowl depth 200 mm Providing and fixing white vitreous china laboratory sink with C.I. brackets, C.P. brass chain with rubber plug, 40 mm C.P brass waste and 40mm C.P. brass trap with necessary C.P. brass unions complete, including painting of fittings and brackets, cutting and making good the wall wherever required : Size 450x300x150 mm Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Flexible pipe 40 mm dia Providing and fixing soil, waste and vent pipes : 100 mm dia Hubless centrifugally cast (spun) iron pipes epoxy coated inside & outside IS:15905	0	each	5,020.85	-	
1.14	17.10.2.2 17.11 17.11.1 17.28 17.28.2 17.28.2.2 17.35 17.35.1 17.35.1.3	610x460 mm bowl depth 200 mm Providing and fixing white vitreous china laboratory sink with C.I. brackets, C.P. brass chain with rubber plug, 40 mm C.P brass waste and 40mm C.P. brass trap with necessary C.P. brass unions complete, including painting of fittings and brackets, cutting and making good the wall wherever required : Size 450x300x150 mm Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Flexible pipe 40 mm dia Providing and fixing soil, waste and vent pipes : 100 mm dia Hubless centrifugally cast (spun) iron pipes epoxy coated inside & outside IS:15905 Providing and fixing bend of required degree with access door, insertion rubber	0	each each	5,020.85	- 119.55	
1.14	17.10.2.2 17.11 17.11.1 17.28 17.28.2 17.28.2.2 17.35 17.35.1 17.35.1.3 17.38	610x460 mm bowl depth 200 mm Providing and fixing white vitreous china laboratory sink with C.I. brackets, C.P. brass chain with rubber plug, 40 mm C.P brass waste and 40mm C.P. brass trap with necessary C.P. brass unions complete, including painting of fittings and brackets, cutting and making good the wall wherever required : Size 450x300x150 mm Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Flexible pipe 40 mm dia Providing and fixing soil, waste and vent pipes : 100 mm dia Hubless centrifugally cast (spun) iron pipes epoxy coated inside & outside IS:15905 Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete.	0	each each	5,020.85	- 119.55	
1.14	17.10.2.2 17.11 17.11.1 17.28 17.28.2 17.28.2.2 17.35 17.35.1 17.35.1.3 17.38 17.38	610x460 mm bowl depth 200 mm Providing and fixing white vitreous china laboratory sink with C.I. brackets, C.P. brass chain with rubber plug, 40 mm C.P brass waste and 40mm C.P. brass trap with necessary C.P. brass unions complete, including painting of fittings and brackets, cutting and making good the wall wherever required : Size 450x300x150 mm Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Flexible pipe 40 mm dia Providing and fixing soil, waste and vent pipes : 100 mm dia Hubless centrifugally cast (spun) iron pipes epoxy coated inside & outside IS:15905 Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete. 100 mm	0	each each	5,020.85	- 119.55	
1.14	17.10.2.2 17.11 17.11.1 17.28 17.28.2 17.28.2.2 17.35 17.35.1 17.35.1.3 17.38	610x460 mm bowl depth 200 mm Providing and fixing white vitreous china laboratory sink with C.I. brackets, C.P. brass chain with rubber plug, 40 mm C.P brass waste and 40mm C.P. brass trap with necessary C.P. brass unions complete, including painting of fittings and brackets, cutting and making good the wall wherever required : Size 450x300x150 mm Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Flexible pipe 40 mm dia Providing and fixing soil, waste and vent pipes : 100 mm dia Hubless centrifugally cast (spun) iron pipes epoxy coated inside & outside IS:15905 Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete.	0	each each	5,020.85	- 119.55	

	17 20 1 2	Hubless centrifugally cast (spun) iron pipe epoxy inside & outside IS: 15905					
	17.39.1.3		8	each	368.00	2,944.00	
1.18	17.40	Providing and fixing heel rest sanitary bend					
	17.40.1	100 mm dia					
1.10	17.40.1.2	Sand cast iron S&S as per IS - 3989	0	each	548.70	-	
1.19	17.42	Providing and fixing double equal plain junction of required degree					
	17.42.1	100x100x100x100 mm Hubless centrifugally cast (spun) iron pipe epoxy inside & outside IS: 15905					
	17.42.1.3	Thubless centifugally east (spun) non pipe epoxy inside & outside 13. 15905	0	each	760.70		
		Providing and fixing single equal plain junction of required degree with access	0	caen	/00./0		
1.20	17.43	door, insertion rubber washer 3 mm thick, bolts and nuts complete.					
	17.43.1	100x100x100 mm					
	17.43.1.2	sand cast Iron S&S as per IS: 3989	0	each	925.70	-	
1.21	17.44	Providing and fixing single equal plain junction of required degree					
	17.44.1	100x100x100 mm					
	17.44.1.3	Hubless centrifugally cast (spun) iron pipe epoxy inside & outside IS: 15905					
			0	each	581.45	-	
1.22	17.56	Providing and fixing terminal guard:					
	17.56.1	100 mm					
	17.56.1.3	Hubless centrifugally cast (spun) iron pipe epoxy inside & outside IS: 15905	0	each	427.80		
		Providing and fixing shielded coupling for Hubless centrifugally cast iron	0	each	427.80	-	
1.23	17.57A	pipes					
	17.57A.1	100 mm					
	17.57A.1.1	S S 304 grade coupling with EPDM rubber gasket	10	each	432.05	4,320.50	
1.0.		Providing and fixing M.S. stays and clamps for sand cast iron/centrifugally cast				,	
1.24	17.59	(spun) iron pipes of diameter :		L			
	17.59.1	100 mm	0	each	139.70	-	
		Painting sand cast iron/ centrifugally cast (spun) iron soil, waste vent pipes and					
1.25	17.65	fittings with two coats of synthetic enamel paint of any colour such as					
1.23	17.03	chocolate grey, or buff etc. over a coat of primer (of approved quality) for new					
⊢	4	work :	-				
	17.65.1	100 mm diameter pipe	0	meter	82.80	-	
		Providing and fixing M.S. holder-bat clamps of approved design to Sand Cast					
1.20	15.25	iron/cast iron (spun) pipe embedded in and including cement concrete blocks					
1.26	17.37	10x10x10cm of 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) including cost of cutting holes and making good the walls					
		etc. :					
	17.37.1	100 mm diameter pipe	0	each	362.85	-	
		Providing and fixing G.I. soil / waste pipes complete with G.I. fittings and	~	20011	202100		
1.27	18.10	clamps, i/c cutting and making good the walls etc.					
	18.10.4	32 mm dia. nominal bore	5	metre	667.00	3,335.00	
	18.10.5	40 mm dia. nominal bore	5	metre	811.90	4,059.50	
	18.10.6	50 mm dia. nominal bore	5	metre	1,048.35	5,241.75	
		Providing and fixing trap of self cleansing design with screwed down or hinged					
1.28	17.60	grating with or without vent arm complete, including cost of cutting and					
⊢	17 (0.1	making good the walls and floors :					
	17.60.1	100 mm inlet and 100 mm outlet Hubless centrifugally cast (spun) iron epoxy					
	17.60.1.3	coated inside & outside as per IS:15905	3	each	854.55	2,563.65	
		Cutting holes up to 15 x 15 cm in R.C.C. floors and roofs for passing drain	5	cacii	854.55	2,505.05	
		pipe etc. and repairing the hole after insertion of drain pipe etc. with cement					
1.29	18.77	concrete 1:2:4 (1 Cement : 2 course sand : 4 graded stone aggregate 20 mm					
		nominal size), including finishing complete so as to make it leak proof.	0	each	452.00	-	
1.30	NSI-4	Providing & fixing in position GI 100x50 elbow floor drain including cost of					
1.50	1131-4	cutting and making good the walls and floors wherever required.	3	each	1,541.00		4,623.00
1.31	NSI-5	Providing and fixing 125 mm dia S/S grating (with or without hole)for					
		floor or Nahani trap.	6	each	620.00		3,720.00
1.22	NOT	Providing and fixing soap dish holder from wall of standard shape with					
1.32	NSI-6	fittings of approved quality with all complete. Make Jaquar - ACN-1131N & Equivalent	2	coal	1 150 00		2 210 00
		Providing and fixing soap dispenser with glass bottle from wall of standard	2	each	1,159.00		2,318.00
1.33	NSI-7	shape with fittings of approved quality with all complete. Make Jaquar - ACN-					
	1.01.7	1135N & Equivalent	0	each	2,095.00		-
		Providing & fixing 600 mm towel rail long stanless steel from wall face with			,		
1.34	NSI-8	concealed fittings arrangement of approved quality with all complete. Make					
		Jaquar - CAN-1111SM	2	each	2,025.00		4,050.00
		Providing and fixing PTMT soap Dish Holder having length of 138mm,					
1.35	18.65	breadth 102mm, height of 75mm with concealed fitting arrangements,					
\mid		weighing not less than 106 gms.	0	each	111.45	-	
	· · · · ·	Providing and fixing PTMT towel rail complete with brackets fixed to wooden					
136	17.73	cleats with CP brass screws with concealed fittings arrangement of approved					
		quality and colour.					
	17.73.2	600 mm long towel rail with total length of 645 mm, width 78 mm and effective height of 88 mm, weighing not less than 190 gms.	0	each	708.95		
<u> </u>		Making khurras 45x45 cm with average minimum thickness of 5 cm cement	U	each	/00.93	-	
		concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm					
1.37	12.22	nominal size) over P.V.C. sheet 1 m x1 m x 400 micron, finished with 12 mm					
		cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement,					
		rounding the edges and making and finishing the outlet complete.	4	each	298.25	1,193.00	
		Providing and fixing on wall face unplasticised Rigid PVC rain water pipes					
1.38	12.41	conforming to IS: 13592 Type A, including jointing with seal ring conforming					
1.50	12.71	to IS : 5382, leaving 10 mm gap for thermal expansion,					
		(i) Single socketed pipes.	20	metre	377.40	7,548.00	

				· · ·			
		Providing and fixing on wall face unplasticised - PVC moulded fittings/					
1.39	12.42	accessories for unplasticised Rigid PVC rain water pipes conforming to IS :					
		13592 Type A, including jointing with seal ring conforming to IS : 5382,					
	12.42.1	leaving 10 mm gap for thermal expansion. Coupler					
	12.42.1	110 mm	10	each	136.15	1,361.50	
	12.42.3	Single tee with door	10	caen	150.15	1,501.50	
	12.42.3.2	110x110x110 mm	4	each	234.15	936.60	
	12.42.5	Bend 87.5°				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
	12.42.5.2	110 mm	4	each	150.35	601.40	
	12.42.6	Shoe (Plain)					
	12.42.6.1	110 mm Shoe	4	each	131.85	527.40	
		Providing and fixing unplasticised -PVC pipe clips of approved design to					
		unplasticised - PVC rain water pipes by means of 50x50x50 mm hard wood					
1.40	12.43	plugs, screwed with M.S. screws of required length, including cutting brick					
		work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete.					
	12.43.2	110 mm	10	each	371.30	3,713.00	
	12.40.2	Supplying and fixing of HDPE pipe (PE grade 63 - PN-8) confirming to IS	10	cuen	571.50	5,715.00	
		14333-1996 chemical waste pipes jointed with rubber ring with good quality					
		lubricant with fittings inclussive of all necessary specials like bends, tees,					
1.41	NSI-9	offsets, junctions etc laid under floor/under ceiling/on walls with suitable					
1.41	1131-9	clamps and specials curing, necessary chasing, jointing and restoring to					
		original conditions, testing etc. including all other incidental charges etc.					
		complete for successful completion of work as per specifications, and as					
	- 1	directed by Engineer -in- Charge.	0		1 5 42 00		
	<u>a)</u>	110 mm outer dia 50 mm outer dia	0	metre	1,543.00 558.00	-	
	b)	Providing & fixing in position upvc P"or S" trap of self cleaning design of	0	metre	556.00	-	
		following sizes for the embedded areas Making proper connection with					
		chemical sealent joint, cutting chase / hole in floors /slabs and bringing the					
1.42	NSI-10	same in proper condition in cement concrete 1:2:4 mix complete as required.					
		including cost of cutting and making good the walls and floors wherever					
		required.	0	each	627.00		-
		Providing & Fixing water cooler wth stainless steel having storage capacity of					
		80 liter & cooling capacity 60 liter / hour with Reverse osmosis system & ultra					
1.43	NSI-11	voilet membrane TDS reduction 90% having automatic back wash system with					
		filteration unit & all other required accessories complete in all respect as per	0	,	(5 (04 00		
		direction of the engineer in charge . TOTAL	0	each	65,604.00	83,373.85	55,447.00
						03,373.03	55,447.00
		Sub Head – II Water Supply					
2.1	18.10	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc.					
		Internal work – Exposed on wall.					
	18.10.2	20 mm nominal outer dia Pipes	10	metre	437.30	4,373.00	
	18.10.3	25 mm nominal outer dia Pipes	10	metre	551.70	5,517.00	
	18.10.4	32 mm nominal outer dia Pipes	5	metre	667.00	3,335.00	
	18.10.5	40 mm nominal outer dia Pipes	0	metre	811.90	-	
	18.10.6	50 mm nominal outer dia Pipes	0	metre	1,048.35	-	
	NSI-12a	65 mm nominal outer dia Pipes	0	metre	1,084.00	-	
	NSI-12b	80 mm nominal outer dia Pipes	0	metre	1,276.00	-	
		Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass					
		threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This					
2.2	18.8						
		includes jointing of pipes & fittings with one step CPVC solvent cement and					
		includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints					
1							
		the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge.					
		the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed including cutting chases and making good the wall etc.			,		
	18.8.2	the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed including cutting chases and making good the wall etc. 15 mm nominal outer dia Pipes	15	metre	537.60	8,064.00	
	18.8.3	the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed including cutting chases and making good the wall etc. 15 mm nominal outer dia Pipes 20 mm nominal outer dia Pipes	10	metre	627.25	6,272.50	
	18.8.3 18.8.4	the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed including cutting chases and making good the wall etc. 15 mm nominal outer dia Pipes 20 mm nominal outer dia Pipes 25 mm nominal outer dia Pipes				/	
2.3	18.8.3	the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed including cutting chases and making good the wall etc. 15 mm nominal outer dia Pipes 20 mm nominal outer dia Pipes 25 mm nominal outer dia Pipes Providing and fixing gun metal gate valve with C.I. wheel of approved quality	10	metre	627.25	6,272.50	
2.3	18.8.3 18.8.4 18.17	the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed including cutting chases and making good the wall etc. 15 mm nominal outer dia Pipes 20 mm nominal outer dia Pipes 25 mm nominal outer dia Pipes Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :	10 5	metre metre	627.25 739.30	6,272.50	
2.3	18.8.3 18.8.4	the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed including cutting chases and making good the wall etc. 15 mm nominal outer dia Pipes 20 mm nominal outer dia Pipes 25 mm nominal outer dia Pipes Providing and fixing gun metal gate valve with C.I. wheel of approved quality	10	metre	627.25	6,272.50 3,696.50	
2.3	18.8.3 18.8.4 18.17 18.17.1A	the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed including cutting chases and making good the wall etc. 15 mm nominal outer dia Pipes 20 mm nominal outer dia Pipes 25 mm nominal outer dia Pipes Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 20 mm dia. nominal bore	10 5 2	metre metre each	627.25 739.30 539.95	6,272.50 3,696.50 1,079.90	
2.3	18.8.3 18.8.4 18.17 18.17.1A 18.17.1 18.17.1 18.17.2 18.17.3	the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed including cutting chases and making good the wall etc. 15 mm nominal outer dia Pipes 20 mm nominal outer dia Pipes 25 mm nominal outer dia Pipes Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 20 mm dia. nominal bore 25 mm dia. nominal bore 32 mm dia. nominal bore 40 mm dia. nominal bore	10 5 2 2 1 1	metre metre each each	627.25 739.30 539.95 622.40 689.60 826.10	6,272.50 3,696.50 1,079.90 1,244.80	
2.3	18.8.3 18.8.4 18.17 18.17.1A 18.17.1 18.17.2	the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed including cutting chases and making good the wall etc. 15 mm nominal outer dia Pipes 20 mm nominal outer dia Pipes 25 mm nominal outer dia Pipes Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 20 mm dia. nominal bore 25 mm dia. nominal bore 32 mm dia. nominal bore 32 mm dia. nominal bore 50 mm dia. nominal bore	10 5 2 2 1	metre metre each each each	627.25 739.30 539.95 622.40 689.60	6,272.50 3,696.50 1,079.90 1,244.80 689.60	
2.3	18.8.3 18.8.4 18.17 18.17.1A 18.17.1 18.17.1 18.17.1 18.17.1 18.17.1 18.17.1 18.17.1 18.17.1 18.17.2 18.17.3 18.17.4	the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed including cutting chases and making good the wall etc. 15 mm nominal outer dia Pipes 20 mm nominal outer dia Pipes 25 mm nominal outer dia Pipes Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 20 mm dia. nominal bore 25 mm dia. nominal bore 32 mm dia. nominal bore 30 mm dia. nominal bore 50 mm dia. nominal bore 50 mm dia. nominal bore	10 5 2 2 1 1	metre metre each each each each	627.25 739.30 539.95 622.40 689.60 826.10	6,272.50 3,696.50 1,079.90 1,244.80 689.60	
	18.8.3 18.8.4 18.17 18.17.1A 18.17.1 18.17.1 18.17.1 18.17.2 18.17.3 18.17.4 18.17.4	the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed including cutting chases and making good the wall etc. 15 mm nominal outer dia Pipes 20 mm nominal outer dia Pipes 25 mm nominal outer dia Pipes 25 mm dia. nominal outer dia Pipes 20 mm dia. nominal bore 25 mm dia. nominal bore 25 mm dia. nominal bore 32 mm dia. nominal bore 40 mm dia. nominal bore 50 mm dia. nominal bore Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete :	10 5 2 2 1 1	metre metre each each each each each	627.25 739.30 539.95 622.40 689.60 826.10 1,026.65	6,272.50 3,696.50 1,079.90 1,244.80 689.60	
	18.8.3 18.8.4 18.17 18.17.1A 18.17.1 18.17.1 18.17.1 18.17.1 18.17.1 18.17.1 18.17.1 18.17.1 18.17.2 18.17.3 18.17.4	the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed including cutting chases and making good the wall etc. 15 mm nominal outer dia Pipes 20 mm nominal outer dia Pipes 25 mm nominal outer dia Pipes Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 20 mm dia. nominal bore 25 mm dia. nominal bore 32 mm dia. nominal bore 40 mm dia. nominal bore 50 mm dia. nominal bore 50 mm dia fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 25 mm nominal bore	10 5 2 2 1 1	metre metre each each each each	627.25 739.30 539.95 622.40 689.60 826.10	6,272.50 3,696.50 1,079.90 1,244.80 689.60	
	18.8.3 18.8.4 18.17 18.17.1A 18.17.1 18.17.1 18.17.1 18.17.2 18.17.3 18.17.4 18.17.4	the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed including cutting chases and making good the wall etc. 15 mm nominal outer dia Pipes 20 mm nominal outer dia Pipes 25 mm nominal outer dia Pipes Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 20 mm dia. nominal bore 25 mm dia. nominal bore 32 mm dia. nominal bore 40 mm dia. nominal bore 50 mm dia. nominal bore 50 mm dia. nominal bore 20 mm dia. nominal bore 50 mm dia. nominal bore 70 mm dia. nominal bore 71 Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 25 mm dia fixing hand held ablution fitting (health faucet) with 1.2 meter	10 5 2 1 1 0	metre metre each each each each each each	627.25 739.30 539.95 622.40 689.60 826.10 1,026.65 464.05	6,272.50 3,696.50 1,079.90 1,244.80 689.60	4.746.00
2.4	18.8.3 18.8.4 18.17 18.17.1 18.17.1 18.17.1 18.17.2 18.17.3 18.17.4 18.18 18.18 18.18.3 NSI-13	the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed including cutting chases and making good the wall etc. 15 mm nominal outer dia Pipes 20 mm nominal outer dia Pipes 25 mm nominal outer dia Pipes Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 20 mm dia. nominal bore 25 mm dia. nominal bore 32 mm dia. nominal bore 32 mm dia. nominal bore 40 mm dia. nominal bore 50 mm dia. nominal bore 50 mm dia. nominal bore 25 mm dia. nominal bore 90 mm dia. nominal bore 91 mm dia. nominal bore 92 mm dia. nominal bore 92 mm dia. nominal bore 93 mm dia. nominal bore 94 mm dia. nominal bore 95 mm dia. nominal bore 95 mm dia. nominal bore 95 mm dia. nominal bore 96 mm dia. nominal bore 97 moiding and fixing ball valve (brass) of approved quality, High or low 97 pressure, with plastic floats complete : 25 mm nominal bore 97 moiding and fixing hand held ablution fitting (health faucet) with 1.2 meter 10 ng flexible tube and wall hook, all complete approved engineer-in-charge	10 5 2 2 1 1	metre metre each each each each each	627.25 739.30 539.95 622.40 689.60 826.10 1,026.65	6,272.50 3,696.50 1,079.90 1,244.80 689.60	4,746.00
2.4	18.8.3 18.8.4 18.17 18.17.1A 18.17.1 18.17.2 18.17.3 18.17.4 18.18 18.18.3	the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed including cutting chases and making good the wall etc. 15 mm nominal outer dia Pipes 20 mm nominal outer dia Pipes 25 mm nominal outer dia Pipes Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 20 mm dia. nominal bore 25 mm dia. nominal bore 25 mm dia. nominal bore 32 mm dia. nominal bore 40 mm dia. nominal bore 50 mm dia. nominal bore 50 mm dia. nominal bore 25 mm nominal bore 9 Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 25 mm nominal bore 9 Providing and fixing hand held ablution fitting (health faucet) with 1.2 meter 10ng flexible tube and wall hook, all complete approved engineer-in-charge Supply and fixing of 15mm CP brass 2 -Way Bib Cock with wall flange and	10 5 2 1 1 0 2 2	metre metre each each each each each each	627.25 739.30 539.95 622.40 689.60 826.10 1,026.65 464.05 2,373.00	6,272.50 3,696.50 1,079.90 1,244.80 689.60	
2.4	18.8.3 18.8.4 18.17 18.17.1 18.17.1 18.17.1 18.17.2 18.17.3 18.17.4 18.18 18.18 18.18.3 NSI-13	the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed including cutting chases and making good the wall etc. 15 mm nominal outer dia Pipes 20 mm nominal outer dia Pipes 25 mm nominal outer dia Pipes Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 20 mm dia. nominal bore 25 mm dia. nominal bore 25 mm dia. nominal bore 32 mm dia. nominal bore 50 mm dia. nominal bore 50 mm dia. nominal bore 25 mm nominal bore 25 mm nominal bore 9 Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 25 mm nominal bore 9 Providing and fixing hand held ablution fitting (health faucet) with 1.2 meter long flexible tube and wall hook, all complete approved engineer-in-charge 9 Supply and fixing of 15mm CP brass 2 -Way Bib Cock with wall flange and 9 suitable length CP brass extension pipe all of approved engineer-in-charge	10 5 2 1 1 0	metre metre each each each each each each	627.25 739.30 539.95 622.40 689.60 826.10 1,026.65 464.05	6,272.50 3,696.50 1,079.90 1,244.80 689.60	4,746.00
2.4 2.5 2.6	18.8.3 18.8.4 18.17 18.17.1A 18.17.1 18.17.2 18.17.3 18.17.4 18.18 18.18.3 NSI-13 NSI-14	the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed including cutting chases and making good the wall etc. 15 mm nominal outer dia Pipes 20 mm nominal outer dia Pipes 25 mm nominal outer dia Pipes Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 20 mm dia. nominal bore 25 mm dia. nominal bore 25 mm dia. nominal bore 32 mm dia. nominal bore 40 mm dia. nominal bore 50 mm dia. nominal bore 50 mm dia. nominal bore 25 mm nominal bore 9 Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 25 mm nominal bore 9 Providing and fixing hand held ablution fitting (health faucet) with 1.2 meter 10ng flexible tube and wall hook, all complete approved engineer-in-charge Supply and fixing of 15mm CP brass 2 -Way Bib Cock with wall flange and	10 5 2 1 1 0 2 2	metre metre each each each each each each	627.25 739.30 539.95 622.40 689.60 826.10 1,026.65 464.05 2,373.00	6,272.50 3,696.50 1,079.90 1,244.80 689.60	
2.4	18.8.3 18.8.4 18.17 18.17.1 18.17.1 18.17.1 18.17.2 18.17.3 18.17.4 18.18 18.18 18.18.3 NSI-13	the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed including cutting chases and making good the wall etc. 15 mm nominal outer dia Pipes 20 mm nominal outer dia Pipes 25 mm nominal outer dia Pipes Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 20 mm dia. nominal bore 25 mm dia. nominal bore 32 mm dia. nominal bore 40 mm dia. nominal bore 50 mm dia. nominal bore 50 mm dia. nominal bore 25 mm dia. nominal bore 50 mm dia. nominal bore 25 mm dia. nominal bore 50 mm dia. nominal bore 50 mm dia. nominal bore 9 Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 25 mm nominal bore 9 Providing and fixing hand held ablution fitting (health faucet) with 1.2 meter long flexible tube and wall hook, all complete approved engineer-in-charge 9 Supply and fixing of 15mm CP brass 2 -Way Bib Cock with wall flange and suitable length CP brass extension pipe all of approved engineer-in-charge 9 Providing and placing on terrace (at all floor levels) polyethylene water storage	10 5 2 1 1 0 2 2	metre metre each each each each each each	627.25 739.30 539.95 622.40 689.60 826.10 1,026.65 464.05 2,373.00	6,272.50 3,696.50 1,079.90 1,244.80 689.60	
2.4 2.5 2.6	18.8.3 18.8.4 18.17 18.17.1A 18.17.1 18.17.2 18.17.3 18.17.4 18.18 18.18.3 NSI-13 NSI-14	the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed including cutting chases and making good the wall etc. 15 mm nominal outer dia Pipes 20 mm nominal outer dia Pipes 25 mm nominal outer dia Pipes 20 mm dia. nominal outer dia Pipes 20 mm dia. nominal bore 25 mm dia. nominal bore 25 mm dia. nominal bore 32 mm dia. nominal bore 40 mm dia. nominal bore 50 mm dia. nominal bore 50 mm dia. nominal bore 25 mm nominal bore 25 mm dia. nominal bore 40 mm dia. nominal bore 50 mm dia. nominal bore 50 mm dia. nominal bore 50 mm dia nominal bore Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 25 mm nominal bore Providing and fixing hand held ablution fitting (health faucet) with 1.2 meter long flexible tube and wall hook, all complete approved engineer-in-charge Supply and fixing on 15mm CP brass 2 -Way Bib Cock with wall flange and suitable length CP brass extension pipe all of approved engineer-in-charge Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank	10 5 2 1 1 0 2 2	metre metre each each each each each each	627.25 739.30 539.95 622.40 689.60 826.10 1,026.65 464.05 2,373.00	6,272.50 3,696.50 1,079.90 1,244.80 689.60	
2.4 2.5 2.6 2.7	18.8.3 18.8.4 18.17 18.17.1 18.17.1 18.17.2 18.17.3 18.17.4 18.18 18.18.3 NSI-13 NSI-14 18.48	the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed including cutting chases and making good the wall etc. 15 mm nominal outer dia Pipes 20 mm nominal outer dia Pipes 25 mm nominal outer dia Pipes Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 20 mm dia. nominal bore 25 mm dia. nominal bore 32 mm dia. nominal bore 33 mm dia. nominal bore 40 mm dia. nominal bore 50 mm dia. nominal bore 50 mm dia. nominal bore 50 mm dia. nominal bore 9 Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 25 mm nominal bore 9 Providing and fixing hand held ablution fitting (health faucet) with 1.2 meter long flexible tube and wall hook, all complete approved engineer-in-charge 9 Supply and fixing of 15mm CP brass 2 -Way Bib Cock with wall flange and suitable length CP brass extension pipe all of approved engineer-in-charge 9 Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank 9 Providing and fixing C.P. brass long nose bib cock of approved quality	10 5 2 2 1 1 0 2 2 2 2	metre metre each each each each each each each eac	627.25 739.30 539.95 622.40 689.60 826.10 1,026.65 464.05 2,373.00 2,654.00	6,272.50 3,696.50 1,079.90 1,244.80 689.60 826.10	
2.4 2.5 2.6	18.8.3 18.8.4 18.17 18.17.1 18.17.1 18.17.2 18.17.3 18.17.4 18.18 18.18.3 NSI-13 NSI-14 18.48 18.51	the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed including cutting chases and making good the wall etc. 15 mm nominal outer dia Pipes 20 mm nominal outer dia Pipes 25 mm nominal outer dia Pipes 25 mm nominal outer dia Pipes Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 20 mm dia. nominal bore 25 mm dia. nominal bore 32 mm dia. nominal bore 30 mm dia. nominal bore 50 mm dia. nominal bore 50 mm dia. nominal bore 50 mm dia. nominal bore 25 mm onian nominal bore 9 Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 25 mm nominal bore Providing and fixing hand held ablution fitting (health faucet) with 1.2 meter long flexible tube and wall hook, all complete approved engineer-in-charge Supply and fixing of 15mm CP brass 2 -Way Bib Cock with wall flange and suitable length CP brass extension pipe all of approved engineer-in-charge Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms.	10 5 2 2 1 1 0 2 2 2 2	metre metre each each each each each each each eac	627.25 739.30 539.95 622.40 689.60 826.10 1,026.65 2,373.00 2,654.00 11.00	6,272.50 3,696.50 1,079.90 1,244.80 689.60 826.10	
2.4 2.5 2.6 2.7	18.8.3 18.8.4 18.17 18.17.1 18.17.1 18.17.2 18.17.3 18.17.4 18.18 18.18.3 NSI-13 NSI-14 18.48	the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed including cutting chases and making good the wall etc. 15 mm nominal outer dia Pipes 20 mm nominal outer dia Pipes 25 mm nominal outer dia Pipes Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 20 mm dia. nominal bore 25 mm dia. nominal bore 32 mm dia. nominal bore 32 mm dia. nominal bore 40 mm dia. nominal bore 50 mm dia. nominal bore 50 mm dia. nominal bore 50 mm dia fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 25 mm nominal bore 9 Providing and fixing hand held ablution fitting (health faucet) with 1.2 meter long flexible tube and wall hook, all complete approved engineer-in-charge Supply and fixing of 15mm CP brass 2 -Way Bib Cock with wall flange and suitable length CP brass extension pipe all of approved engineer-in-charge Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms. 15 mm nominal bore	10 5 2 2 1 1 0 2 2 2 2	metre metre each each each each each each each eac	627.25 739.30 539.95 622.40 689.60 826.10 1,026.65 464.05 2,373.00 2,654.00	6,272.50 3,696.50 1,079.90 1,244.80 689.60 826.10	
2.4 2.5 2.6 2.7	18.8.3 18.8.4 18.17 18.17.1 18.17.1 18.17.2 18.17.3 18.17.4 18.18 18.18.3 NSI-13 NSI-14 18.48 18.51	the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed including cutting chases and making good the wall etc. 15 mm nominal outer dia Pipes 20 mm nominal outer dia Pipes 25 mm dia nominal outer dia Pipes Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 20 mm dia. nominal bore 25 mm dia. nominal bore 32 mm dia. nominal bore 32 mm dia. nominal bore 40 mm dia. nominal bore 50 mm dia. nominal bore 50 mm dia. nominal bore 25 mm dia nominal bore 9 Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 25 structure of the structure o	10 5 2 2 1 1 0 2 2 2 2	metre metre each each each each each each each eac	627.25 739.30 539.95 622.40 689.60 826.10 1,026.65 2,373.00 2,654.00 11.00	6,272.50 3,696.50 1,079.90 1,244.80 689.60 826.10	
2.4 2.5 2.6 2.7 2.8	18.8.3 18.8.4 18.17 18.17.1A 18.17.1 18.17.2 18.17.3 18.17.4 18.18 18.18.3 NSI-13 NSI-13 NSI-14 18.48 18.51	the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed including cutting chases and making good the wall etc. 15 mm nominal outer dia Pipes 20 mm nominal outer dia Pipes 25 mm nominal outer dia Pipes Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 20 mm dia. nominal bore 25 mm dia. nominal bore 32 mm dia. nominal bore 32 mm dia. nominal bore 40 mm dia. nominal bore 50 mm dia. nominal bore 50 mm dia. nominal bore 50 mm dia fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 25 mm nominal bore 9 Providing and fixing hand held ablution fitting (health faucet) with 1.2 meter long flexible tube and wall hook, all complete approved engineer-in-charge Supply and fixing of 15mm CP brass 2 -Way Bib Cock with wall flange and suitable length CP brass extension pipe all of approved engineer-in-charge Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms. 15 mm nominal bore	10 5 2 2 1 1 0 2 2 2 2	metre metre each each each each each each each eac	627.25 739.30 539.95 622.40 689.60 826.10 1,026.65 2,373.00 2,654.00 11.00	6,272.50 3,696.50 1,079.90 1,244.80 689.60 826.10	

		Providing and fixing C.P. brass angle valve for basin mixer and geyser points				1	
2.10	18.53	of approved quality conforming to IS:8931					
	18.53.1	15mm nominal bore	6	each	574.30	3,445.80	
2.11	18.21	Providing and fixing uplasticised PVC connection pipe with brass unions :					
	18.21.2	45 cm length	6	1-	07.75	586,50	
2.12	18.21.2.1 18.22	15 mm nominal bore Providing and fixing C.P. brass shower rose with 15 or 20 mm inlet :	6	each	97.75	586.50	
2.12	18.22.2	150 mm diameter	0	each	222.35	-	
2.13	17.22B	Providing and fixing CP Brass Single lever telephonic wall mixer of quality &					
2.15	17.22D	make as approved by Engineer in charge.					
		(a) 15 mm nominal dia	2	each	6,940.75	13,881.50	
		Providing, Fixing, testing and commissioning of CP Brass 150 mm x 150 mm Shower head with wall flange with all accessories as required and making					
2.14	NSI-15	good the walls wherever required. (MAKE-JAQUAR -Model No- OHS-35495					
		or EQUIVALENT.)	1	each	4,875.00		4,875.00
		Supply Erection, Testing & Commissioning of Automatic water level control					
2.15	NSI-16	panel & related accessories for pumping automation with consisting of automatic water level controller, level sensor with stainless steel probe,					
2.15	1031-10	motorized butterfly valve, motorized valve controller with complete in all					
		respect.					
	a	upto 50 mm dia. nominal bore	0	each	26,947.00		-
		TOTAL				64,012.20	14,929.00
		SUBHEAD – III Drainage Supply and fixing HDPE double wall corrugated (DWC) I.S 16098 (Part - 2					
) 3013 for soil / waste pipe under ground drainage system with jointed with					
	NCI 17	rubber ring with good quality lubricant for fittings, inclusive of all necessary					
3.1	NSI-17	specials like bends, tees, offsets, junctions, re excavtion and refillig etc					
		complete.					
	2	150 mm diameter	5	metre	1,024.00		5,120.00
	a b	200 mm diameter	0	metre	1,024.00		-
	~	Providing and fixing square-mouth S.W. gully trap class SP-1 complete with	-		-,_, 0.000		
3.2	19.4	C.I. grating brick masonry chamber with water tight C.I. cover with frame of					
0.2	1).4	300 x300 mm size (inside) the weight of cover to be not lessthan 4.50 kg and					
	19.4.3	frame to be not less than 2.70 kg as per standard design : 180x150 mm size P type					
	19.4.3.1	With fly ash bricks (non modular) bricks of class designation 7.5	2	each	2,802.15	5,604.30	
		Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes			,	.,	
3.3	19.6	with collars jointed with stiff mixture of cement mortar in the proportion of 1:2					
0.0	17.0	(1 cement : 2 fine sand) including testing of joints etc. complete :					
	19.6.2	150 mm dia. R.C.C. pipe	10	metre	556.45	5,564.50	
	19.6.3	250 mm dia. R.C.C. pipe	0	metre	899.80	-	
	19.6.4	300 mm dia. R.C.C. pipe	0	metre	994.30	-	
		Constructing brick masonry manhole in cement mortar 1:4 (1 cement :4 coarse					
		sand) with RCC top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 stone					
		aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 stone aggregate 40 mm nominal size) inside plastering 12 mm					
24	10 5	thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating					
3.4	19.7	coat of neat cement, foundation cocreate 1:3:6 mix (1 cement :3 coarse sand : 6					
		graded stone aggregate 40 mm norminal size), and making necessary channel in					
		cement concrete 1:2:4 (1 cement :2 coarse sand :4 graded stone aggregate 20 mm norminal size) finished with a floating coat of neat cement complete as					
		per standard design .					
		inside size 90x80 cms and 45 cms deep including CI cover with frame (light					
	19.7.1	duty) 455x610 mm internal dimensions total weight of cover & frame to be					
		not less than 38 kg (weight of cover 23 kg & weight of frame 15 kg)					
	19.7.1.1	with common brunt clay FPS (non modular) bricks of class designation 7.5	1.00	Each	12,770.55	12,770.55	
3.5	19.8	Extra depth for manhole 90x80 cm	1.00	Lacii	12,770.55	12,110.55	
	19.8.1.1	With FPS bricks class designation 7.5	0.10	Metre	8,825.40	882.54	
T		Providing orange colour safety foot rest of minimum 6 mm thick plastic					
		encapsulated as per IS : 10910, on 12 mm dia steel bar conforming to IS:1786,					
		having minimum cross section as 23 mmx25 mm and over all minimum length 263 mm and width as 165 mm with minimum 112 mm space between					
		protruded legs having 2 mm tread on top surface by ribbing or chequering					
3.6	10.17	esides necessary and adequate anchoring projections on tail length on 138 mm					
5.0	19.16	as per standard drawing and suitable to with stand the bend test and chemical					
		resistance test as per pecifications and having manufacture's permanent identification mark to be visible even after fixing, including fixing in manholes					
		with 30x20x15 cm cement concrete block 1:3:6 (1 cement : 3 coarse sand : 6					
		graded stone aggregate 20 mm nominal size) complete as per design.					
		graded stone aggregate 20 mm nominal size) complete as per design.	6.00	Each	553.70	3,322.20	
		Constructing brick masonry road gully chamber 50x45x60 cm with bricks in	6.00	Each	553.70	3,322.20	
3.7	19.27	Constructing brick masonry road gully chamber 50x45x60 cm with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) including 500x450 mm pre-cast	6.00	Each	553.70	3,322.20	
3.7		Constructing brick masonry road gully chamber 50x45x60 cm with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) including 500x450 mm pre-cast R.C.C. horizontal grating with frame complete as per standard design :	6.00	Each	553.70	3,322.20	
3.7	19.27 19.27.1	Constructing brick masonry road gully chamber 50x45x60 cm with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) including 500x450 mm pre-cast	6.00	Each	553.70	3,322.20	

ESTIMATE OF FOR CONSTRUCTION OF ADDITIONAL DORMITORY & STAFF QUARTERS AT JNV KUPWARA, JAMMU AND KASHMIR

	SUMMARY SHEET OF Principal Residence (Electrcical Work)											
Sl.No.	Name of Work	TOTAL AMOU	MOUNT(IN RS.)									
51.110.		DSR-2022	MR									
Ι	SUB HEAD - I: CIRCUIT CUM POINT WIRING	325,899.00	-									
II	SUBHEAD -II - FITTINGS & FIXTURES	13,650.00	20,011.39									
III	SUBHEAD - III - DISTRIBUTION BOARDS	19,801.00	-									
	SUB HEAD-IV , LIGHTNING CONDUCTOR	23,257.00										
	TOTAL	382,607.00	20,011.39									
	Say in Lacs	3.83	0.20									

.	r	OF FOR CONSTRUCTION OF ADDITIONAL DORMITORY & STAFF QUARTI Detailed Estimate for ELECTRICAL Works TYPE - 5 RESIDENCE (PF	RINCIPA	L RESI	DENCE)			
S.No.	DSR-2022/NSI	Description	Unit	Qty	Ra DSR-2022		Amou	-
		SUB HEAD - I: CIRCUIT CUM POINT WIRING			D5K-2022	NSI	DSR-2022	NSI
		SWITCH CONTROL LIGHT POINTS						
		Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS						
		PVC insulated copper conductor single core cable in surface / recessed medium class						
1	DSR 1.10	PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point						
		with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.						
1 1	DCD 1 10 2	Crown C	Doint	27	1 4 57 00		39,609	
1.1	DSR 1.10.3	Group C	Point	27	1,467.00		39,009	
		Wiring for group controlled (looped) light point/fan point/exhaust fan point/ call bell						
		point (without Independent switch etc.) with 1.5 sq. mm FRLS PVC insulated copper						
•	DCD 4 55	conductor single core cable in surface/ recessed PVC conduit, and earthing the point			050.00			
2	DSR-1.55	with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable etc as required.	Point	0	858.00		-	
		(Switch Control Secondary Points)						
2.1	DSR-1.55.3	Group C						
		Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS						
3	DSR-1.3	PVC insulated copper conductor single core cable in surface / recessed steel conduit ,						
3	D3N-1.5	with modular switch, modular plate, suitable GI box and earthing the point with 1.5						
		sq.mm FRLS PVC insulated copper conductor single core cable etc. as required. (Switch Control Primary Points)						
3.1	DSR-1.3.3	Group C	Point	0	1,845.00		-	
				Ē	,			
		Wiring for group controlled (looped) light point/fan point/exhaust fan point/ call bell						
		point (without Independent switch etc.) with 1.5 sq. mm FRLS PVC insulated copper						
4	DSR-1.54	conductor single core cable in surface/ recessed steel conduit, and earthing the point						
-	551(1.54	with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable etc as required.						
		(Switch Control Secondary Points)						
	DCD 4 54 3	Crown C	Delint		1 00 1 00			
4.1	DSR-1.54.3	Group C	Point	0	1,094.00		-	
		MCB CONTROL LIGHT POINTS						
		Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS						
		PVC insulated copper conductor single core cable in surface / recessed steel conduit,						
5	NSI-1	with modular switch, modular plate, suitable GI box and earthing the point with 1.5						
		sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.						
		(Switch Control Primary Points)						
5.1	NSI-1.1	Primary point controlled by one MCB.	Point	0		1,523.13		-
5.2	NSI-1.2	Same as item above but Secondary point. i.e. Points to be looped with Primary point	Point	0		1,354.89		-
		with 2.5 sqmm wire and Point wiring		-		_,		
		Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copper conductor						
		single core cable in surface/ recessed steel conduit alongwith 1 No. 4 sq. mm FRLS PVC						
6	DSR 1.5	insulated copper conductor single core cable for loop earthing as required.	Metre	140	433.00		60,620	
		Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS						
7	DSR 1.7	PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as						
		required.						
7.1	DSR 1.7.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	Metre		327.00		-	
7.2	DSR 1.7.2	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	Metre		369.00		81,180	
7.3 7.4	DSR 1.7.4 DSR 1.7.5	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	Metre Metre	120 0	589.00 710.00		70,680	
7.4	DSR 1.7.5 DSR 1.7.10	2 x 10 sq. mm + 1 x 10 sq.mm earth wire 4 X 10 sq. mm + 2 X 6 sq. mm earth wire	Metre		1,166.00		- 58,300	
7.6	DSR 1.7.10	4 X 16 sq. mm + 2 X 6 sq. mm earth wire	Metre		1,645.00		-	
				Ť	,			
		Supplying and fixing suitable size GI box with modular plate and cover in front on		1				
8	DSR 1.31	surface or in recess including providing and fixing 3 pin 5/6 Amp modular socket outlet	Each	9	477.00		4,293	
		and 5/6 A modular switch, connection etc. as required.						
		Supply and Wiring for 250 volts single phase and neutral 2 Nos 6 amps socket outlate						
		with control by 1 No switched with 2.5 sq.mm PVC insulated copper conductor 1100						
		volts grade stranded flexible FRLS wires in concealed or surface mounted 25 mm dia						
9	NSI-2	2mm thick PVC conduit including providing and fixing of 6 amps 3 pin switch socket				1 707		
3	1931-2	outlet of approved make and design in 2 mm thick GI box with grid plate and earthing		0		1,782		
		of third pin of the socket with 2.5 Sq. mm PVC insulated copper conductor stranded flavible. FPLS wire (maximum faur no. of switches socket shall be connected, on, one						
		flexible FRLS wire.(maximum four no. of switches socket shall be connected on one circuit)						
		Supplying and fixing suitable size GI box with modular plate and cover in front on						
10	DSR 1.32	surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 A modular socket		11	586.00		6,446.00	
10	D3N 1.32	outlet and 15/16 A modular switch, connections etc. as required.	Lacii	1 11	500.00		0,440.00	
			L					
			L					
		Supplying and fixing 63 A, 415 V, TPN Industrial type socket outlet, with 4 pole and						
		earth, metal enclosed plug top alongwith 63 A "C" curve, TPMCB, in sheet steel	1	1				
11	NCI 2	and a sufficient of the second s	Fach			11 20/ 00	1	
11	NSI-3	enclosure, on surface or in recess, with chained metal cover for the socket outlet and	Each	0		11,284.98		
11	NSI-3	enclosure, on surface or in recess, with chained metal cover for the socket outlet and complete with connections, testing and commissioning etc. as required.	Each	0		11,284.98		

12	NSI-4	Supplying and fixing 80 A, 415 V, TPN Industrial type socket outlet, with 4 pole and earth, metal enclosed plug top alongwith 80 A "C" curve, TPMCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket outlet and complete with connections, testing and commissioning etc. as required.		0		17,343.23		-
13	DSR-1.33	Supplying and fixing 3 pin, 5 A ceiling rose on the existing junction box/ wooden block including connections etc. as required.	Each	3	87		261.00	
14	DSR-1.57	Supplying & fixing suitable size GI box wih modular plate and cover in front on surface or in recess i/c providing and fixing 25 amp modular socket outlet and 25 Amps modular SP MCB, "C" curve including connection, painting etc. as required. (AC's & Gysers)	Each	6	727		4,362.00	
15	DSR 1.24	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.						
15.1	DSR 1.24.6	Telephone socket outlet	Nos	1	148.00		148.00	
		Supplying and fixing following size/ modules, GI box alongwith modular base & cover						
16	DSR 1.27	plate for modular switches in recess etc. as required.						
16.1 16.2	DSR 1.27.1 DSR 1.27.4	1 or 2 Module (75mmX75mm) 6 module (78mm X 205 mm X 50 mm)	Nos Nos	0	298.00 402.00		-	
10.2	D3K 1.27.4		1105	0	402.00			
17	DSR 1.24	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required.						
17.1 17.1	DSR 1.24.4 DSR 1.24.1	3 pin , 5/6 amps socket outlet 5/6 amps switch	Each Each	0	122.00 103.00		-	
1/.1	USN 1.24.1	5/0 dinps switch			103.00		-	
18	DSR 1.21	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.						
18.1	DSR 1.21.2	25 mm	Mtr	0	145.00		-	
18.2	DSR 1.21.3	32 mm	Mtr	0	184.00		-	
		TOTAL CARRIED TO SUMMARY FOR SUBHEAD - I					325,899.00	-
		SUBHEAD -II - FITTINGS & FIXTURES						
1	NSI-1	Supply, Installation, Testing and Commissioning of 10 W Bulk head Light.	Each	0		1,158.20		-
2	NSI-2	Supply, Installation, Testing and Commissioning of 5W Mirror Light.	Each	2		445.46		890.92
3	NSI-3	Supply, Installation, Testing and Commissioning of 18W Surface/Recessed Mounted LED circular Downlighter.	Each	0		1,470.02		-
4	NSI-4	Supply, Installation, Testing and Commissioning of 18/20W Wall/Surface mouted 4 ft. LED	Each	6		1,336.38		8,018.27
5	NSI-5	Supply, Installation, Testing and Commissioning of 15W Surface mounted LED Square Downlighter.	Each	2		1,380.93		2,761.85
6	NSI-6	Supply, Installation, Testing and Commissioning of 150 W CHANDELIER	Each	0		89,091.94		-
7	NSI-7	Supply, Installation, Testing and Commissioning of 12/9W Recessed mounted LED circular Downlighter.	Each	0		1,069.10		-
8	NSI-8	Supply, Installation, Testing and Commissioning of 9W (Nominal) Wall Bracket Light	Each	7		222.73		1,559.11
9	DSR 1.21	Supply, Installation, Testing and Commissioning of 1200 mm sweep, BEE 5 star rated, ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. blades, 30 cm long down rod, 2nos. canopies, shackle kit, safety rope, copper winding, Power Factor not less than 0.9, Service Value (CM/M/W) minimum 6.00, Air delivery minimum 210 Cum/Min , 350 RPM (tolerance as per IS : 374-2019),THD less than 10%, remote or electronic regulator unit for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 degree C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC Supply, earthing etc. complete as required.	Each	5	2,730.00		13,650.00	-
10	NSI-9	Supply Installation, Testing and Commissioning of 250 mm dia Domestic Exhaust Fan	Each	3		2,260.41		6,781.23
		TOTAL CARRIED TO SUMMARY FOR SUBHEAD - II					13,650.00	20,011.39
								,
		SUBHEAD - III - DISTRIBUTION BOARDS						
1	DSR 2.3	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)						
1.1	DSR 2.3.1	6 way, Double door	Each	0	2206		-	
1.2 1.3	DSR 2.3.2 DSR 2.3.3	8 way, Double door 12 way, Double door	Each Each	0	2573 2315		-	
			-	1				

Supplerging and fining following ways, three goes and network (see Eds. VCE. distribution bound, 43 society, ends. on produce painter including conting etc. acroquind, files without MCM VCCV (solator) 11 De81.2.1 Aways (a 12), bould down Eds. 0 4.001.00 21 De82.2.1 Aways (a 12), bould down Eds. 0 4.001.00 23 De82.2.2.1 Aways (a 12), bould down Eds. 0 4.001.00 23 De82.2.2.1 Aways (a 12), bould down Eds. 0 4.001.00 24 De82.2.3 Supplerging and mark of down aways surfax/ recess mounting, writical type. MCL Eds. 0 4.001.00 3 De82.2.3 Jaways (4 ± 300, bould down Eds. 0 2.265 4 De82.2.3 Jaways (4 ± 300, bould down Eds. 0 3.266 4 De82.2.3 Jaways (4 ± 300, bould down Eds. 0 2.265 4 De82.2.3 Jaways (4 ± 300, bould down Eds.								
2 D98.2.4. base, earth bar, die bei, dettauheb gland jater, merconnections, phosphateer and particle paired control contentions, and particle paired control control of the co			Supplying and fixing following way, three pole and neutral, sheet steel, MCB distribution					
Image: space instant including entiting etc. is required. (But without MCM/ KCM/ isolation) Image: space including entiting etc. is required. (But without MCM/ KCM/ isolation) Image: space including entiting etc. is required. (But without MCM/ KCM/ isolation) 13 DB82.2.4 4 any (4 + 13), basels door Each 0 4.031.00 - 13 DB82.2.4 Party + 20, basels door Each 0 4.031.00 - 14 DB82.2.5 Stapping ent filting of following ways suffact/ rects mounting, vertical type MCD Fach 0 2.282.30 - - 141 DB82.2.5 22 way (4 - 28), Double door Fach 0 2.282.30 - - - 141 DB82.2.5 22 way (4 - 28), Double door Fach 0 2.282.30 -			board, 415 volts, on surface/ recess complete with tinned copper busbar, neutral					
21 081 2.4.1 4 way (4 + 12), touble door Each 0 4.90, 00 - 23 082 7.4.2 (isway (4 + 3), touble door Each 0 4.37, 000 5.987, 00 3 082 7.4.2 (isway (4 + 3), touble door Each 0 4.37, 000 5.987, 00 3 082 7.4.3 (isway (4 + 3), touble door isway (4 + 3), touble door 5.987, 00 5.987, 00 3 082 7.5.3 (isway (4 + 3), touble door isway (1 + 3), touble door 4 087 7.53 Supplying and fixing following upok (2 + 3), tout, counting (1 + 10, upok (2 +	2	DSR 2.4	busbar, earth bar, din bar, detachable gland plate, interconnections, phosphatized and					
12 098.2.4.2 6 say (4 + 13). Double door fash 0 4.97.00 13 098.2.4.2 Say (4 + 13). Double door fash 1 5.97.00 14 098.2.4.2 Say (4 + 13). Double door fash 1 5.97.00 14 098.2.4.2 Say (4 + 13). Double door fash 0 5.97.00 15 098.2.5 Say (4 + 13). Double door fash 0 1.233 15 098.2.5 Hansen and the state state of the state state state of the state state of the state of the state o			powder painted including earthing etc. as required. (But without MCB/ RCCB/ Isolator)					
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Image: Comparing and Fining of following ways surface/ measus muunting, vertical type, 415 Image: Comparing and Fining of following starts in the control of the following surface in the control of the following surface in the control of the following surface in the control type, 415 3 OSR 2.5 Image: Comparing and Fining of following surface in the control (point in the control type, 415 Image: Comparing and Fining Starts 2 and	2.2	DSR 2.4.2	6 way (4 + 18), Double door	Each	0	4,974.00	-	
Image: constraint of the set of	2.3	DSR 2.4.3		Each	1	5,967.00	5,967.00	
J UP: TN MCG distribution board of sheet steel, due protected, due provider painted, inclusive at 2004 interd coper busic, common neural infin, exit bus, reliable at 2004 interd coper busic, and the common steel infin, exit bus, reliable at 2004 interd coper busic, and the common steel infin. Exit bus, reliable at 2004 interd coper busic, and the common steel infin. Sector busic at 2004 interd coper busic 2004 interd coper busic at 2004								
J UP TM ICE distribution board of sheet steel, duity protected, duity provider pathed, include of 2004. Lines doops to built, each that, and that of the sheet built, TO IG is monality and where J physe outlets are required. J			Supplying and fixing of following ways surface/ recess mounting, vertical type, 415					
B USR1.5 Inclusion of 200.4 timed cooper bus bar, common secural fink, exits har, din bar for mauning MCR biols without ACL and income) as required. Sub- transmit MCR biols without ACL and income) as required. Sub- transmit MCR biols without ACL and income) as required. Sub- transmit MCR biols without ACL and the action with romating MCR biols complete with romating MCR biols complete with romating MCR biols complete with romating mCR biols without ACL and the without MCR biols complete with romating mCR biols with required and commissioning etc. as required. Sub- transmit MCR biols complete with romating MCR biols complete with romating MCR biols complete with romating mCR biols with romating mCR biols complete with romating mCR biols with romating mCR biols with romating mCR biols complete with romating mCR biols with romating mCR biols with resulting MCR biol complete with corrections, testing and commissioning etc. as required. Sub- transmit MCR biols with romating mCR biols with romat								
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Bits 225.3 12 worl (4 ± 36), Double door Each 0 12833 - 4 0582.2.0 Sppping and fixing 5 to 32.4 rating, 240435 V, 10 A, "C" curve, ministrue criotit with connections, testing and commissioning etc. as required. Each 0 12833 - 4.1 2.1.0.1 Single Pole Neutral Each 18 256 4,608.00 5.1 DS82.121 Single Pole Neutral Each 18 256 4,608.00 5.1 DS82.121 A) A Each 18 256 4,608.00 5.2 DS82.121 A) A Each 18 256 - 5 DS82.121 A) A Each 10 455 - 6 DS82.111 A) A Each 10 455 - 6.2 DS82.111 A) A Each 10 457 - 6.3 DS82.111 A) A Each 10 470 - - 7 DS82.141 25 A Each 10 270<	3	DSR 2.5						
All DSR 2.5.3 12 way (4 + 36), Double door Each 0 1.2833 4 OSR 2.5.3 12 way (4 + 36), Double door Each 0 1.2833 4 OSR 2.5.3 12 way (4 + 36), Double door Each 18 76 6.408.00 4.1 2.10.1 Sagel Profe Each 18 750 6.408.00 5 DSR 2.12 Stabulation commissioning etc. as required. Each 18 750 6.408.00 5 DSR 2.12 Gala Figure Sala Each 18 750 4.608.00 5 DSR 2.12 Gala Each 10 4.53 4.53 4.53 6 DSR 2.12 Gala Each 10 4.53 4.53 4.54 4.54 4.53 4.54 4.54 4.54 4.55 4.55 4.55 4.55 4.55 4.55 4.55 4.55 4.55 4.55 4.55 4.55 4.55 4.55 4.55 4.55	-							
Image: Construction of the state o			Trob is normally used where 5 phase outlets are required.)					
Image: Construction of the state o								
V V V V V V V V 4 Stapplying and fixing S A to 32 A rating. 240/415 V, 10 KA. "C" curve, miniature circuit with connection, texting and commissioning etc. as required. Each 18 256 4,000.00 4 2.0.01 Single Pole Each 18 256 4,000.00 5 DSR 2.12 do and the pole Neutral Each 18 256 4,000.00 5 DSR 2.12 do A Each 18 256 4,000.00 5.1 DSR 2.12.1 do A Each 18 256 4,000.00 6 DSR 2.12.2 do A Each 0 435 - 6 DSR 2.13.1 20 A Each 0 970 - 6.1 DSR 2.13.1 20 A Each 0 970 - 7 DSR 2.14.2 30 A Each 0 970 - 7 DSR 2.14.2 S0 A Each 0 970 -	31	DSR 2 5 3	12 way (4 + 36) Double door	Each	0	12833		
4 DSR 2.10 bracker subtable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Each 18 256 4.608.00 5 Single Pole Neutral Each 0 599 - - 5 Single Pole Neutral Each 0 599 - - 5 OSR 2.12 GSA Single Pole Neutral Each 0 257 - - 5 OSR 2.12 GSA Each 0 257 - - 6 DSR 2.13 complete with connections, testing and commissioning etc. as required. Each 0 970 - 6.1 DSR 2.13.1 25A Sa Each 0 970 - - 7 DSR 2.13.1 40A Each 0 970 - - 7.1 DSR 2.13.1 25A Each 0 2702 Each 0 2702 Each 0 2702 Each 0 2702	5.1	D3N 2.3.3	12 way (4 + 30), Double 0001	Lacii		12035		
4 DSR 2.10 bracker subtable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Each 18 256 4.608.00 5 Single Pole Neutral Each 0 599 - - 5 Single Pole Neutral Each 0 599 - - 5 OSR 2.12 GSA Single Pole Neutral Each 0 257 - - 5 OSR 2.12 GSA Each 0 257 - - 6 DSR 2.13 complete with connections, testing and commissioning etc. as required. Each 0 970 - 6.1 DSR 2.13.1 25A Sa Each 0 970 - - 7 DSR 2.13.1 40A Each 0 970 - - 7.1 DSR 2.13.1 25A Each 0 2702 Each 0 2702 Each 0 2702 Each 0 2702			Cumplying and fiving E A to 22 A veting 240/415 V 10 kA "C" surger ministure sizevit					
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4.1 2.10.1 Single Pole Each 18 28 5 4.608.00 5 USAL 2 Single Pole Neutral Each 0 599 - - 5 USAL 2 Single Pole Neutral Each 0 599 - - 5.1 USAL 21 GOA Each 0 435 - - 5.2 USAL 22 GOA Each 0 2.527 - - 6 USAL 23 GOA Each 0 9.70 - - 6.1 USR 2.13. ZOA Each 0 970 - - 7 USR 2.13. ZOA Each 0 970 - - 7 USR 2.13. GOA Each 0 970 - - 7 USR 2.14. ZOA GOA Each 0 2928 - - 7 USR 2.14. ZOA ADA Each	4	DSK 2.10						
4.2 2.10.2 Single Pole Neutral Each 0 599 - 5 958.2.12 Supplying and fixing following rating, double pole, 240 V, isolator in the existing MCB DB Each 0 435 - 5.1 058.2.12.4 40 A Each 0 435 - - 6.1 058.2.12.4 40 A Each 0 435 - - 6.1 058.2.13 60 A Each 0 970 - - 6.1 058.2.13 EAA 0 970 - - - 6.1 058.2.13 EAA EAA 0 970 - - 6.2 058.2.13 EAA EAA 0 970 - - 7 DSR 2.14 EAA EAA 0 270 - - 7 DSR 2.14.2 EAA EAA EAA 0 2028 - - 7.1 DSR 2.14.2 EAA EA							4.600.00	
V V							4,608.00	
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5 DSR 2.12 complete with connections, testing and commissioning etc. as required. Each 0 435				┝───	 			
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52 OSR 2.1.22 G3 A Each 0 527 - 6 DSR 2.13 Lopplying and fixing following rating, four pole, 415 V, isolator in the existing MCB DB Image: Complete with connections, testing and commissioning etc. as required. Image: Complete with connections, testing and commissioning etc. as required. Image: Complete with connections, testing and commissioning etc. as required. Image: Complete with connections, testing and commissioning etc. as required. Image: Complete with connections, testing and commissioning etc. as required. Image: Complete with connections, testing and commissioning etc. as required. Image: Complete with connections, testing and commissioning etc. as required. Image: Complete with connections, testing and commissioning etc. as required. Image: Complete with connections, testing and commissioning etc. as required. Image: Complete with connections, testing and commissioning etc. as required. Image: Complete with connections, testing and commissioning etc. as required. Image: Complete with connections, testing and commissioning etc. as required. Image: Complete with connections, testing and commission RCB DB complete etc. as Each 10 Image: Complete RCB Association RCB DB complete etc. as Each 12 Image: Complete RCB Association RCB DB complete etc. as Each 12 Image: Complete RCB Association RCB DB Complete etc. as Each 12 Image: Complete RCB Association RCB DB Complete etc. as Each 12 Image: Complete RCB Association RCB DB Complete etc. as Each 12 Image: Complete RCB Association RCB DB Complete RCB	5	DSR 2.12	complete with connections, testing and commissioning etc. as required.					
52 DSR 2.132 G3 A Each 0 527 - 6 DSR 2.13 Uspylving and fixing following rating, four pole, 415 V, isolator in the existing MCB DB Image: Complete with connections, testing and commissioning etc. as required. Image: Complete with connections, testing and commissioning etc. as required. Image: Complete with connections, testing and commissioning etc. as required. Image: Complete with connections, testing and commissioning etc. as required. Image: Complete with connections, testing and commissioning etc. as required. Image: Complete with connections, testing and commissioning etc. as required. Image: Complete with connections, testing and commissioning etc. as required. 7.1 DSR 2.14 25 A Image: Complete with connections, testing and commissioning etc. as required. Image: Complete with connections, testing and commissioning etc. as required. Image: Complete with connections, testing and commissioning etc. as required. 7.2 DSR 2.14.2 40 A Image: Complete with connections, testing and commissioning etc. as required. Image: Complete with connections, testing and commissioning etc. as required. Image: Complete with connections, testing and commissioning etc. as required. 7.3 DSR 2.14.3 63 A Image: Complete with connections, testing and commissioning etc. as required. Image: Complete with connections, testing and commissioning etc. as required. Image: Com				<u> </u>				
Image: Complete with connections, testing and commissioning etc. as required. Image: Complete with connections, testing and commissioning etc. as required. Image: Complete with connections, testing and commissioning etc. as required. 6.1 DSR 2.13.1 25 A Each 0 970 - 6.2 DSR 2.13.1 40 A Each 0 970 - 6.2 DSR 2.13.1 40 A Each 1 1034 L034.00 7 DSR 2.14 residual current dircut breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required. Each 0 22028 - 7.1 DSR 2.14.2 40 A Each 0 22028 - - 7.2 DSR 2.14.2 40 A Each 0 22028 -		DSR 2.12.1			-		-	
6 DSR 2.13 complete with connections, testing and commissioning etc. as required. Each 0 970 6.1 DSR 2.131 40 A Each 0 970 6.2 DSR 2.132 63 A Each 0 970 7 DSR 2.14 Sight A Each 1 1034 1,034.00 7.1 DSR 2.14 redular current circuit break (RCCE) having a sensitivity current and neutral), 240 V, MCB DB complete with connections, testing and commissioning etc. as required. Each 0 2028 7.3 DSR 2.141 25 A Each 0 2028 7.3 DSR 2.141 26 A Each 3 2722 8,166.00 7.4 DSR 2.11 Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as teach 2 13 26.00 7 DSR 2.14 Supplying and fixing the CoNDUCTOR 2 13 26.00 7 DSR 2.141 Supplying and fixing the CoNDUCTOR 2	5.2	DSR 2.12.2	63 A	Each	0	527	-	
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VI TOTAL CARRIED TO SUMMARY FOR SUBHEAD - III Image: Comparison of Comp	8	DSR 2.11		Each	2	13	26.00	
VI SUB HEAD.V, LIGHTNING CONDUCTOR Image: Conductor of the conductor of the conductor finial, made of 25 mm dia 300 mm long, G.I. tube, having single prong at top, with 85 mm dia 6 mm thick G.I. base plate including holes etc. complete as required. Each 2.0 518.00 1.036.00 2 6.3 Fixing of lightning conductor finial (single prong) with base plate including holes etc. complete as required. Each 2.0 518.00 1.036.00 3 6.4 Jointing corper / G.I. tape (with another copper/ G I tape, base of the finial or any other metallic onductor complete as required. Metre 5.0 13.00 565.00 4 6.7 Providing and fixing G.I. tape 20 mm X.3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For horizontal run) Metre 20.0 197.00 3.940.00 5 6.8 Providing and fixing G.I. tape 20 mm X.3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For vertical run) Metre 10.0 162.00 1.620.00 1.620.00 6 6.10 Fixing of copper/ G.I. tape 20 mm X.3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For vertical run) Metre 10.0 162.00 1.620.00 6 6.10 Fixing of copper/ G.			required.	├───	+			
VI SUB HEAD.V, LIGHTNING CONDUCTOR Image: Conductor of the conductor of the conductor finial, made of 25 mm dia 300 mm long, G.I. tube, having single prong at top, with 85 mm dia 6 mm thick G.I. base plate including holes etc. complete as required. Each 2.0 518.00 1.036.00 2 6.3 Fixing of lightning conductor finial (single prong) with base plate including holes etc. complete as required. Each 2.0 518.00 1.036.00 3 6.4 Jointing corper / G.I. tape (with another copper/ G I tape, base of the finial or any other metallic onductor complete as required. Metre 5.0 13.00 565.00 4 6.7 Providing and fixing G.I. tape 20 mm X.3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For horizontal run) Metre 20.0 197.00 3.940.00 5 6.8 Providing and fixing G.I. tape 20 mm X.3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For vertical run) Metre 10.0 162.00 1.620.00 1.620.00 6 6.10 Fixing of copper/ G.I. tape 20 mm X.3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For vertical run) Metre 10.0 162.00 1.620.00 6 6.10 Fixing of copper/ G.							40.000	
Light TINING CONDUCTOR Image: Conductor of the providing and fixing of lightning conductor finial, made of 25 mm dia 300 mm long, G.I. tube, having single prong at top, with 85 mm dia 6 mm thick G.I. base plate including holes etc. complete as required. Image: Complete	M						19,801.00	-
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A B B B B B B B B B B B B B B C <thc< th=""> <thc< th=""> <thc< th=""></thc<></thc<></thc<>	3	6.4						
Image: conductor complete as required. (For horizontal run)Metre40.0126.005,040.0056.8Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required. (For vertical run)Metre20.0197.003,940.0066.10Fixing of copper/ G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required. (For vertical run)Metre20.0197.003,940.0076.12Providing and fixing testing joint, made of 20 mm X 3 mm thick G.I. strip, 125 mm long, with 4 nos. of G.I. bolts, nuts, chuck nuts and spring washers etc. complete as required.Each12.0121.001,620.0085.4Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required. Details of cost for one SetEach1.07,472.007,472.0095.11Providing and fixing 25 mm X 5 mm G.I. strip in 40 mm dia G.I. pipe from earth electrode including connection with G.I. nut, bolt, spring, washer excavation and re-filling etc. as required.Metre2.0706.001,412.00					5.0	113.00	565.00	
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Metre 2.0 706.00 1,412.00	9	5.11						
			including connection with G.I. nut, bolt, spring, washer excavation and re-filling etc. as required.			700.00	4 4 4 6 6 6	
TOTAL SUB HEAD (VI) 23,257.00			1				1 412 00	
				Metre	2.0	706.00	1,412.00	
			TOTAL SUB HEAD (VI)	Metre	2.0	706.00		

<u></u>	STIMATE OF FOR CONSTRUCTION OF ADDITION JAMM		<mark>)RMITORY</mark> KASHMIR	<u>& STAI</u>	F QUART	<mark>ERS AT JNV KU</mark>	PWARA,
	AB	STRACT O	F COST				
	<u> TYPE-III R</u>	ESIDENCH	ES G+2, 6UNIT	<u>S.]</u>			
S.N.	DESCRIPTION OF ITEM	DSR 2023	QUANTITY	UNIT	RATES	AMOUNT DSR ITEM	AMOUNT [M.R. ITEM
A 1	Earth Work Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50						_
	m. All kinds of soil	2.8.1	243.65	CUM	260.30	63,422.10	
2	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering. lead upto 50 m and lift upto 1.5 m.	2.25	207.10	CUM	196.00	40,592.09	
3	Extra for every additional lift of 1.5 m or part thereof in excavation / banking excavated or stacked materials. All kinds of soil	2.26.1	60.91	CUM	126.80	7,723.39	
4	Supplying and filling in plinth with sand under floors, including watering, ramming ,consolidating and dressing complete.	2.27	7.90	CUM	2123.75	- 16,777.63	
5	Excavating, supplying and filling of local earth (including royalty) by mechanical transport upto a lead of 5km also including ramming and watering of the earth in layers not exceeding 20 cm in trenches, plinth, sides of foundation etc. complete.	2.25a	10.80	CUM	700.50	7,565.40	
B 6	Concrete Work Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:5:10 (1 cement : 5 coarse sand (zone-III) derived from natural sources : 10 graded stone aggregate 40 mm nominal size derived from natural sources)	4110	20.07	CLIM	(510.00	-	
		4.1.10	20.96	CUM	6518.60	136,629.86	
7	Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 12.5mm nominal size derived from natural sources)	4.10	17.82	SQM	410.85	7,321.35	
8	Providing & applying a coat of residual petroleum bitumen of grade of VG-10 of approved quality using 1.7kg per square metre on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil.	4.13	17.82	SQM	146.15	2,604.39	
9	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources) over75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including necessary excavation, levelling & dressing & finishing the top smooth.	4.17	20.06	SOM	740.20	20.2/7//	
10	Brick edging in full brick width and half brick depth including excavation refilling and disposal of surplus earth lead upto 50 metres. With common burnt clay F.P.S.(non modulur) bricks of	4.17	39.06	SQM	749.30	29,267.66	
	class designation 75	16.7.1	65.09	RM	194.30	12,646.99	
C	Reinforced Cement Concrete					-	
11 (a)	Centering and shuttering including strutting, propping etc. and removal of form for all heights Foundations, footings, bases of columns, etc. for mass concrete.	- <u>-</u> · ·					
(b)	Suspended floors, roofs, landings, balconies and access platform.	5.9.1	64.81	SQM	392.15	25,415.24	
. /		5.9.3	372.53	SQM	927.25	345,428.44	

(a)	Lintels, beams, plinth beams, girders, bressumers	5.9.5	284.36	SQM	736.40	209,402.70	
(c) (d)	Columns, Pillars, Piers, Abutments, Posts and Struts.	5.9.6	296.04	SQM	961.30	284,583.25	
(e)	Edges of slabs and breaks in floors and walls Under 20 cm wide.	5.9.0	270.04	5Qm	901.50	204,505.25	
(0)	Edges of stabs and ofeaks in noors and wans onder 20 cm wide.	5.9.16.1	307.10	RM	208.55	64,045.71	
		5.9.10.1	507.10	ICUI	200.55	-	
12	Steel reinforcement for R.C.C. work including straightening,						
12	cutting, bending, placing in position and binding all complete						
	upto plinth level. Thermo-Mechanically Treated bars of grade Fe						
		5.22.6	45.59	QTL.	10785.00	491,688.15	
	500D or more.	5.22.0	43.39	QIL.	10/85.00	491,088.15	
13	Steel reinforcement for R.C.C. work including straightening,						
15							
	cutting, bending, placing in position and binding all complete						
	above plinth level. Thermo-Mechanically Treated bars of grade	5 22 1 6	82.24	OTI	10785.00	888 036 00	
	Fe-500 D or more.	5.22.A.6	82.34	QTL.	10/85.00	888,036.90	
14	Add for plaster drip course/ groove in plastered surface or						
14	moulding to R.C.C. projections.	5.30	359.10	RM	78.40	28,153.44	
	moulding to R.C.C. projections.	5.50	559.10	KIVI	/0.40	26,135.44	
15							
15	Providing and laying in position ready mixed or site batched						
	design mix cement concrete for reinforced cement concrete work;						
	using coarse aggregate and fine aggregate derived from natural						
	sources, Portland Pozzolana / Ordinary Portland /Portland Slag						
	cement, admixtures in recommended proportions as per IS: 9103						
	to accelerate / retard setting of concrete, to improve durability						
	and workability without impairing strength; including pumping of						
	concrete to site of laying, curing, carriage for all leads; but						
	excluding the cost of centering, shuttering, finishing and						
	reinforcement as per direction of the engineer-in-charge; for the						
	following grades of concrete.						
	Note: Extra cement up to 10% of theminimum specified cement						
	content in design mix shall be payable separately. In case the						
	cement content in design mix is more than 110% of the specified						
	minimum cement content, the contractor shall have discretion to						
	either re-design the mix or bear the cost of extra cement.						
		5.33					
(D)	All works upto plinth level	5.33.1				-	
(I)	Concrete of M25 grade with minimum cement	5.55.1				-	
	0	5.33.1.1					
	content of 330 kg /cum (i) R.C.C. work in Footing	5.33.1.1	42.94	CUM	9504.75	408,133.97	
		5.33.1.1	7.27	CUM	9504.75	69,099.53	
	(ii) R.C.C. work in Beam					32,886.44	
	(iii) R.C.C. work in Columns	5.33.1.1	3.46	CUM	9504.75	,	
		5 22 2				-	
(II)	All works above plinth level upto floor V level	5.33.2				-	
	Concrete of M25 grade with minimum cement content of 330	5 22 2 1					
	kg /cum	5.33.2.1		or D f	00.00.40	-	
	(i) R.C.C. work in Lintel	5.33.2.1	1.12	CUM	9860.40	11,043.65	
	(ii) R.C.C. work in Beam	5.33.2.1	18.08	CUM	9860.40	178,276.03	
	(iii) R.C.C. work in Columns	5.33.2.1	18.75	CUM	9860.40	184,882.50	
	(iv) R.C.C. work in Slab	5.33.2.1	48.36	CUM	9860.40	476,848.94	
D	Masonry Work					-	
16	Half brick masonry with common burnt clay F.P.S. (non modular)						
	bricks of class designation 7.5 in superstructure above plinth						
	level up to floor V level. : cement mortar 1:4 (1 cement : 4 coarse						
	sand)	6.13.2	180.81	Sqm	1123.80	203,194.28	
17	Extra for providing and placing in position 2 Nos 6mm dia. M.S.						
	bars at every third course of half brick masonry.	6.15	180.81	SQM	104.80	18,948.89	
18	Brick work with non modular fly ash bricks conforming to						
	IS:12894, class designation 10 average compressive strength in						
	super structure above plinth level up to floor V level in : Cement						
	mortar 1:6 (1 cement : 6 Coarse sand)	6.34.2	99.95	CUM	8752.55	874,817.37	
	norma 1.0 (1 cement . 0 Coarse salid)					~	
19	Brick work with common burnt clay F.P.S. (non modular) bricks						
.,	of class designation 7.5 in foundation and plinth in: Cement						
	- · · ·	6.1.2	6.20	CUM	7132.25	44,219.95	
	mortar 1:6 (1 cement : 6 coarse sand)	0.1.2	0.20	COM	1134.43	77,217.73	
Б	Cladding Work					-	
E	Cladding Work					-	

	Providing and fixing 18 mm thick gang saw cut, mirror polished,						
	premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills , facias and similar locations of						
	required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand),						
	joints treated with white cement, mixed with matching pigment,						
	epoxy touch ups, including rubbing, curing, moulding and						
	polishing to edges to give high gloss finish etc. complete at all levels	8.2					
	Granite stone slab colour black, Cherry/Ruby red	8.2.2					
20	Area of slab upto 0.50 sqm	8.2.2.1	2.07	SQM	5413.50	11,205.95	
21 22	Area of slab over 0.50 sqm Providing edge moulding to 18mm thick marble stone counters,	8.2.2.2	14.58	SQM	5136.30	74,887.25	
	Vanities etc. including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-	0.2					
	Charge. Granite work	8.3 8.3.2	20.70	RM	510.95	10,576.67	
23	Extra for fixing marble /granite stone over and above						
	corresponding basic item, in facia and drops of width upto 150						
	mm with epoxy resin based adhesive including cleaning etc. complete.	8.4	20.70	RM	568.55	11,768.99	
		~				-	
24	Extra for providing opening of required size & shape for wash						
	basins/ kitchen sink in kitchen platform, vanity counters and similar location in marble/Granite/stone work including						
	necessary holes for pillar taps etc. including moulding, rubbing						
	and polishing of cut edges etc. complete.	8.5	6.00	NO	978.70	5,872.20	
25	Providing and fixing Ist quality ceramic glazed wall tiles					-	
-	conforming to IS: 15622 (thickness to be specified by the						
	manufacturer), of approved make, in all colours, shades except						
	burgundy, bottle green, black of any size as approved by						
	Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand)						
	and jointing with grey cement slurry @ 3.3kg per sqm, including						
	pointing in white cement mixed with pigment of matching shade	8.31	53.13	SQM	1267.95	67,366.18	
	complete	0.51	55.15	SQIVI	1207.75	-	
F	Wood and PVC Work					-	
26	Providing and fixing ISI marked flush door shutters conforming to IS :2202 (Part I) non-decorative type, core of block board						
	construction with frame of 1st class hard wood and well matched						
	commercial 3 ply						
	veneering with vertical grains or cross bands and face veneers on						
	both faces of shutters: 35 mm thick including ISI markedStainless Steel butt hinges with						
	necessary screws	9.21.1	69.72	SQM	2392.65	166,815.56	
27	Extra for providing lipping with 2nd class teak wood battens 25					-	
27	mm minimum depth on all edges of flush door shutters (over all						
	area of door shutter to be measured).	9.23	69.72	SQM	462.35	32,235.04	
28	Providing and fixing M.S. grills of required netters in former of						
20	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including						
	priming coat with approved steel primer all complete. Fixed to						
	steel windows by welding.	9.48.1	45.60	KG	219.10	9,990.96	
29	Providing and fixing oxidised M.S. casement stays (straight peg						
	type) with necessary screws etc. complete.						
(i)	300 mm weighing not less than 200 gms 250 mm weighing not less than 150 gms	9.68.1 9.68.2	54.00 12.00	NOS NOS	67.40 61.05	3,639.60 732.60	
(ii)	250 mm weighing not less than 150 gms	7.00.2	12.00	1105	01.03	/ 52.00	
•							
30	Providing and fixing aluminium hanging floor door stopper ISI marked anodised (anodic coating not less than grade AC 10 as						
	per IS : 1868) transparent or dyed to required colour or shade						
	with necessary screws etc. complete. Twin rubber stopper	9.101.2					
			44.00	NOS	72.35	3,183.40	

31	Providing and fixing factory made door frame (single rebate) made out of single piece extruded solid PVC foam profile with homogenous fine cellular structure having smooth outer integral skin having 62 mm width & 32 mm thickness, frame will be mitred & Jointed with self driven self tapping screws of size 38 mm x 4 mm & PVC solvent cement,						
	including fixing the frame to wall with suitable dia & length						
	anchor fastener as per						
	manufacturer's specification and direction of Engineer-in-charge.						
		9.123	59.40	RM	696.00	41,342.40	
32	Providing & Fixing decorative high pressure laminated sheet of plain / wood grain in gloss / matt/ suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046 Type S, including cost of adhesive of approved quality. 1.5 mm thick		18.90	SQM	1045.95	19,768.46	
33	Providing and fixing wire gauge shutters using stainless steel grade 304 wire gauge with wire of dia 0.5 mm and average width of aperture 1.4 mm in both directions for doors, windows and clerestory windows with necessary screws : 30 mm thick shutters With ISI marked stainless steel butt hinges of required size						
	Kiln seasoned and chemically treated hollock wood	9.134.2.2.2	11.34	SQM	3619.60	41,046.26	
34	Providing and fixing fly proof stainless steel grade 304 wire gauge, to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of dia. 0.50 mm all complete. With 12 mm mild steel U beading		47.16	SQM	1228.10	57,917.20	
35	Providing and fixing bright /matt finished Stainless Steel handles of approved quality & make with necessary screws etc all complete. (a) 125 mm.		88.00	NOS	119.20	10,489.60	
36	Providing & fixing Stainless steel sliding door bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with nuts						
	and screws etc complete. (a) 250mm x 16mm .	M.R.	44.00	NOS	560.00		24,640.00
37	Providing and fixing stainless steel towerbolts (barrel type) with						
	necessary screws etc. complete.	M.D	44.00	NOS	448.00		19,712.00
	300 x 10mm 150 x 10mm	M.R. M.R.	44.00	NOS NOS	448.00 392.00		19,712.00
		MIR.		1105	572.00		17,240.00
G	Steel Work					-	
38	Providing and fixing factory made ISI marked steel glazed doors, windows and ventilators, side /top /centre hung, with beading and all members such as F7D, F4B, K11 B and K12 B etc. complete of standard rolled steel sections, joints mitred and flash butt welded and sash bars tenoned and riveted, including providing and fixing of hinges, pivots, including priming coat of approved steel primer, but excluding the cost of other fittings, complete all as per approved design, (sectional weight of only steel members shall be measured for payment). Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size).		518.40	KG	131.05	67,936.32	
39	Providing and fixing T-iron frames for doors, windows and						
	ventilators of mild steel Tee-sections, joints mitred and welded, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse						
	sand : 6 graded stone aggregate 20 mm nominal size	10.13.1	711.60	KG	141.70	100,833.72	

	Providing and fixing M.S. Tubular frames for doors, windows, ventilators and cupboard with rectangular/ L-Type sections, made of 1.60 mm thick M.S. Sheet, joints mitred, welded and grinded finish, with profiles of required size, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer. Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	10.15.1	1304.67	Kg	195.20	254,671.58	
	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works SS RALING	10.25.2	189.00	Kg	172.60	32,621.40	
	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners, stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge.	10.28.1	166.68	KG	772.40	128,743.63	
	Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with : 4.0					-	
	mm thick glass panes.	10.30.1	69.63	SQM	1064.65	74,131.58	
Н	Flooring					-	
	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar $1:4$ (1 cement : 4 coarse sand): 25 mm thick	11.26.1	39.91	SQM	1948.25	77,754.66	
	Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete.	11.27	9.77	SQM	2354.70	23,005.42	
	Providing and laying Vitrified tiles in floor in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid on 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) jointing with grey cement slurry @3.3 kg/sqm including grouting the joints with white cement and matching pigments etc. The tiles must be cut with the zero chipping diamond cutter only . Laying of tiles will be done with the notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet for placing the tiles gently and easily.Glazed Vitrified tiles Matt/Antiskid finish of size Size of Tile 600 x 600 mm	11.41A.3.1	16.08	SQM	1464.85	23,554.79	
	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including grouting the joints with white cement and matching pigments etc., complete.size of tile					-	
	600x600 mm	11.41.2	248.16	SQM	1553.45	385,504.15	
	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including grouting the joint with white cement & matching pigments etc. complete.size of tile 600x600 mm Finishing	11.46.2	34.92	SQM	1623.05	56,676.91	
I							

50	12mm cement plaster in single coat on fair side of single or half brick wall for exterior plastering up to floor two level including internal rounded angles chamfers, and/or rounded angles not exceeding 80mm in girth and finished even and smooth no extra for mixing any additive. 1:6 (1 cement: 6 coarse sand)	13.4.2	946.37	SQM	343.65	325,220.05
51	6 mm cement plaster on celling (a) 1:3(1 cement:3 fine sand)	13.16.1	45.40	SQM	300.45	13,640.43
52	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade : New work (two or more coats) over and including water thinnable priming coat with cement primer.	13.41.1	1318.90	SQM	185.65	244,853.79
53	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade. New work (Two or more coats applied @ 1.43 ltr/ 10 sqm. over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm).	13.47.1	738.41	SQM	171.10	126,341.95
54	Steel Painting: Applying priming coat With ready mixed aluminium primer of approved brand and	13.50				
55	manufacture on resinous wood and plywood With ready mixed red oxide zink chromate primer of approved brand and manufacture on steel galvanised iron/steel works.	13.50.2	144.65	SQM	74.65	10,798.12
	orand and manufacture on seer garvanised non-seer works.	13.50.3	302.12	SQM	67.40	20,362.89
56	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:	13.61				
	Two or more coats on new work.	13.61.1	446.77	SQM	155.90	- 69,651.44
57	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth					
J	complete. Water Proofing	13.80	372.53	SQM	156.05	58,133.31
58	Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with water proofing cement compound consisting of applying : a) First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/sqm. This layer will be allowed to air cure for 4 hours. b) Second layer of slurry of cement @ 0.242 kg/sqm mixed with water proofing cement compound @ 0.126 kg/sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours. The rate includes preparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry.					
		22.5	38.52	SQM	617.05	23,768.77
59	Providing and laying in situ seven course water proofing treatment with APP (Atactic poly-propylene) modified Polymeric memberane over roof consisting of first coat of bitumen primer (@ 0.40 litre per sqm, 2nd, 4th & 6th courses of bonding material (@ 1.20 Kg/sqm, which shall consist of blown type bitumen of grade 85/25 conforming to IS : 702, 3rd and 5th layers of roofing membrane APP modified Polymeric membrane 1.5 mm thick of 2.25 Kg/sqm weight consisting of five layers prefabricated with centre core as 20 micron HMHDPE film sandwiched on both sides with polymeric mix and the polymeric mix is protected on both side with 20 micron HMHDPE film. 7th, the top most layer shall be finished with brick tiles of class designation 10 grouted with cement mortar 1:3 (1 cement : 3 fine sand) mixed with 2% integral water proofing compound by weight of cement over a 12 mm layer of cement mortar 1:3 (1 cement : 3 fine sand) and finished neat (item of laying brick tiles shall be paid for separately).	14.86	79.32	SQM	730.55	57,947.23
60	Providing and laying brick tiles over mumty roofs, grouted with					
	cement mortar 1:3 (1 cement : 3 fine sand) mixed with 2% of integral water proofing compound by weight of cement, over 12 mm layer of cement mortar 1:3 (1 cement : 3 fine sand) and finished neat:					
	With common burnt clay F.P.S. (non modular) brick tiles of class designation 10	12.19	79.32	SQM	607.40	48,178.97

61	Providing and filling of AAC Lightweight Broken Blocks sunken						
	portions.	M.R.	5.80	CUM	4132.00		23,965.60
				COS	ST OF 6 Qtrs	8,248,756.07	85,565.60
				CO	OST OF 1 Qtr	1,374,792.68	14,260.93
				COS	ST OF 21 Qtr	28,870,646.23	299,479.60
				Say F	Rs. In Lacs	288.71	2.99

ESTIMATE OF FOR CONSTRUCTION OF ADDITIONAL DORMITORY & STAFF QUARTERS AT JNV KUPWARA, JAMMU AND KASHMIR

	PLUMBING INTERNAL ESTIMATE (Type-3 ,6 Unit) (G+2)								
Sl. No.	Description	Amo	ount						
		DSR Items - 2023	NS Items						
1	Sanitary Installation	512,985.95	50,058.00						
2	Water Supply	318,519.55	87,271.00						
3	Drainage	72,340.48	10,240.00						
	Total	903,845.98	147,569.00						
	COST OF 1 Qtr	150,641.00	24,594.83						
	COST OF 21 Qtr	3,163,460.93	516,491.50						
	Say Rs. In Lacs	31.63	5.16						

	ESTIMATE	OF FOR CONSTRUCTION OF ADDITIONAL DORMITORY & STAFF QUA			WARA, JAMN	IU AND KASHI	MIR
C No	DCD 122	PLUMBING INTERNAL ESTIMATE (Type-3,			01		
S.No.	DSR '23	Description	Rate	Unit	Qty	Amou DSR-2023	Int MR
		Sub Head – I Sanitary Installation				DSR-2025	MIK
		Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100					
		mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern,					
1.1		including flush pipe, with manually controlled device (handle lever) conforming to					
		IS: 7231, with all fittings and fixtures complete, including cutting and making good					
	17.1	the walls and floors wherever required:					
	17.1.1	White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral	6	each	6,767.40	40,604.40	
	17.1.1	type foot rests. Providing and fixing white vitreous china pedestal type water closet (European	0	each	0,707.40	40,004.40	
		type) with seat and lid, 10 litre low level white vitreous china flushing cistern &					
1.2		C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow					
1.2		arrangement with specials of standard make and mosquito proof coupling of					
	1= 2	approved municipal design complete, including painting of fittings and brackets,					
	17.3 17.3.1	cutting and making good the walls and floors wherever required :	6	aaab	8 006 60	48.020.60	
	17.3.1	W.C. pan with ISI marked white solid plastic seat and lid Providing and fixing floor mounted, white vitreous china single piece, double traps	6	each	8,006.60	48,039.60	
		syphonic water closet of approved brand/make, shape, size and pattern including					
		integrated white vitreous china cistern of capacity 10 litres with dual flushing					
1.3		system, including all fittings and fixtures with seat cover, cistern fittings, nuts, bolts					
		and gasket etc including making connection with the existing P/S trap, complete in					
	17.81	all respect as per directions of Engineer-in-Charge.	0	each	18,212.90	-	
		Providing and fixing white vitreous china battery based infrared sensor operated					
14		urinal of approx. size 610 x 390 x 370 mm having pre & post flushing with water (250 ml & 500 ml consumption) having water inlet from back side including					
1.4		(250 ml & 500 ml consumption), having water inlet from back side, including fixing to wall with suitable brackets all as per manufacturers specification and					
	17.80	direction of Engineer-in-charge.	0	each	7,979.20	_	
	17.00	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32	0	Juch	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	-	
1.5		mm C.P. brass waste of standard pattern, including painting of fittings and					
	17.7	brackets, cutting and making good the walls wherever require:					
1.5.1		White Vitreous China Wash basin size 550x400 mm					
1.5.1	17.7.3	with a pair of 15 mm C.P. brass pillar taps	12.00	each	2,301.75	27,621.00	
		Providing and fixing white vitreous china wash basin under counter basin, with					
		C.I. concealed type brackets fixed to walls with GI rag bolts or approved fasteners etc., including 32 mm CP brass waste coupling, including painting of fittings and					
1.6		brackets, cutting and making good the walls wherever required all complete					
		(Granite counter top will be measured and paid separately under relevent item): as					
	NSI-1	per approved make and decision of engineer-in-charge	0	each	4,689.00		-
1.7	17.34	Providing and fixing toilet paper holder :					
	17.34.1	C.P. brass	0	each	803.70	-	
		Providing and fixing CP brass auto closing system basin pillar tap / hand wash					
1.8	NCL 2	of Jaquar PRS - 001 or Equivalent as approved by Engineer- In Charge	0	1	5 002 00		
	NSI-2	Providing and fixing CP brass single lever basin mixer without popo with	0	each	5,092.00		-
1.9		450mm long braided hose (connection pipe) basin pillar tap of Jaquar LYR-					
	NSI-3	38001B or Equivalent as approved by Engineer- In Charge.	0	each	7,406.00		-
1 10		Providing and fixing 32mm C.P brass bottle Trap of approved quality & make as			, 		
1.10	17.22A	per the direction of engineer-in-incharge.	12	each	1,034.80	12,417.60	
		Providing and fixing 600x450 mm beveled edge mirror of superior glass (of					
1.11	17.21	approved quality) complete with 6 mm thick hard board ground fixed to wooden	12		1 (07.05	10 205 40	
	17.31	cleats with C.P. brass screws and washers complete. Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS : 13983	12	Sqm	1,607.95	19,295.40	
		with C.I. brackets and stainless steel plug 40 mm, including painting of fittings					
1.12		and brackets, cutting and making good the walls wherever required :					
	17.10	, 8 88 1					
	17.10.1	Kitchen sink with drain board					
	17.10.1.1	510x1040 mm bowl depth 250mm	0	each	6945.60	-	
	17.10.2	Kitchen sink without drain board			2 072 00	22.242.00	
	17.10.2.2	610x460 mm bowl depth 200 mm Providing and fixing white vitreous china laboratory sink with C.I. brackets, C.P.	6	each	3,873.80	23,242.80	
		brass chain with rubber plug, 40 mm C.P brass waste and 40mm C.P. brass trap					
1.13		with necessary C.P. brass unions complete, including painting of fittings and					
	17.11	brackets, cutting and making good the wall wherever required :					
	17.11.1	Size 450x300x150 mm	0	each	5,020.85	-	
1.14		Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C.					
	17.28	waste fittings complete.					
	17.28.2 17.28.2.2	Flexible pipe	6	1	110.55	717.20	
1.15	17.28.2.2	40 mm dia Providing and fixing soil, waste and vent pipes :	6	each	119.55	717.30	
	17.35.1	100 mm dia					
		Hubless centrifugally cast (spun) iron pipes epoxy coated inside & outside					
	17.35.1.3	IS:15905	96	meter	1,169.30	112,252.80	
1.16		Providing and fixing bend of required degree with access door, insertion rubber					
1.10	17.38	washer 3 mm thick, bolts and nuts complete.					
	17.38.1	100 mm	10		5(7.20	10.200.00	
1.17	17.38.1.3 17.39	Hubless centrifugally cast (spun) iron epoxy coated inside & outside I.S. 15905 Providing and fixing plain hand of required degree	18	each	567.20	10,209.60	
	17.39	Providing and fixing plain bend of required degree. 100 mm					
	- / / - 1		30	each	368.00	11,040.00	
	17.39.1.3	Hubless centrifugally cast (spun) iron pipe epoxy inside & outside 18: 15905	.50	L Cach			
1.18	17.39.1.3 17.40	Hubless centrifugally cast (spun) iron pipe epoxy inside & outside IS: 15905 Providing and fixing heel rest sanitary bend	50	cacii	500.00	11,010.00	
					500.00		

1.19	17.42	Providing and fiving double equal plain inpation of required degree		1			
1.19	17.42 17.42.1	Providing and fixing double equal plain junction of required degree 100x100x100x100 mm					
	17.42.1.3	Hubless centrifugally cast (spun) iron pipe epoxy inside & outside IS: 15905	6	each	760.70	4,564.20	
1.20		Providing and fixing single equal plain junction of required degree with access					
1.20	17.43	door, insertion rubber washer 3 mm thick, bolts and nuts complete.					
	17.43.1	100x100x100 mm	0	1	005.70		
1.21	17.43.1.2 17.44	sand cast Iron S&S as per IS: 3989 Providing and fixing single equal plain junction of required degree	0	each	925.70	-	
1.21	17.44	100x100x100 mm					
	17.44.1.3	Hubless centrifugally cast (spun) iron pipe epoxy inside & outside IS: 15905	0	each	581.45	-	
1.22	17.56	Providing and fixing terminal guard:					
	17.56.1	100 mm					
	17.56.1.3	Hubless centrifugally cast (spun) iron pipe epoxy inside & outside IS: 15905	8	each	427.80	3,422.40	
1.23	17.57A	Providing and fixing shielded coupling for Hubless centrifugally cast iron pipes					
	17.57A.1 17.57A.1.1	100 mm S S 304 grade coupling with EPDM rubber gasket	150	each	432.05	64,807.50	
	17.37A.1.1	Providing and fixing M.S. stays and clamps for sand cast iron/centrifugally cast	150	each	432.03	04,807.30	
1.24	17.59	(spun) iron pipes of diameter :					
	17.59.1	100 mm	0	each	139.70	-	
		Painting sand cast iron/ centrifugally cast (spun) iron soil, waste vent pipes and					
1.25		fittings with two coats of synthetic enamel paint of any colour such as chocolate					
	17.65	grey, or buff etc. over a coat of primer (of approved quality) for new work :	06		82.80	7.049.90	
	17.65.1	100 mm diameter pipe Providing and fixing M.S. holder-bat clamps of approved design to Sand Cast	96	meter	82.80	7,948.80	
		iron/cast iron (spun) pipe embedded in and including cement concrete blocks					
1.26		10x10x10cm of 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate					
		20mm nominal size) including cost of cutting holes and making good the walls etc.					
	17.37	:					
	17.37.1	100 mm diameter pipe	96	each	362.85	34,833.60	
1.27	10 10	Providing and fixing G.I. soil / waste pipes complete with G.I. fittings and clamps,					
	18.10 18.10.4	i/c cutting and making good the walls etc. 32 mm dia. nominal bore	15	metre	667.00	10,005.00	
	18.10.4	40 mm dia, nominal bore	10	metre	811.90	8,119.00	
	18.10.6	50 mm dia. nominal bore	15	metre	1,048.35	15,725.25	
		Providing and fixing trap of self cleansing design with screwed down or hinged					
1.28		grating with or without vent arm complete, including cost of cutting and making					
	17.60	good the walls and floors :					
	17.60.1	100 mm inlet and 100 mm outlet					
	17.60.1.3	Hubless centrifugally cast (spun) iron epoxy coated inside & outside as per IS:15905	18	each	854.55	15,381.90	
	17.00.1.5	Cutting holes up to 15 x 15 cm in R.C.C. floors and roofs for passing drain pipe etc.	10	cacii	854.55	15,581.90	
		and repairing the hole after insertion of drain pipe etc. with cement concrete 1:2:4 (
1.29		1 Cement : 2 course sand : 4 graded stone aggregate 20 mm nominal size),					
	18.77	including finishing complete so as to make it leak proof.	0	each	452.00	-	
1.30	NOL 4	Providing & fixing in position GI 100x50 elbow floor drain including cost of	10		1 5 4 1 00		27 720 00
	NSI-4	cutting and making good the walls and floors wherever required. Providing and fixing 125 mm dia S/S grating (with or without hole)for floor	18	each	1,541.00		27,738.00
1.31	NSI-5	or Nahani trap.	36	each	620.00		22,320.00
		Providing and fixing soap dish holder from wall of standard shape with fittings of					,
1.32		approved quality with all complete. Make Jaquar - ACN-1131N & Equivalent					
	NSI-6		0	each	1,159.00		-
1.22		Providing and fixing soap dispenser with glass bottle from wall of standard shape					
1.33	NSI-7	with fittings of approved quality with all complete. Make Jaquar - ACN-1135N &	0		2 005 00		
	1151-7	Equivalent Providing & fixing 600 mm towel rail long stanless steel from wall face with	0	each	2,095.00		-
1.34		concealed fittings arrangement of approved quality with all complete. Make Jaquar					
	NSI-8	- CAN-1111SM	0	each	2,025.00		-
		Providing and fixing PTMT soap Dish Holder having length of 138mm, breadth					
1.35		102mm, height of 75mm with concealed fitting arrangements, weighing not less					
	18.65	than 106 gms.	12	each	111.45	1,337.40	
136		Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved					
130	17.73	cleats with CP brass screws with concealed fittings arrangement of approved quality and colour.					
		600 mm long towel rail with total length of 645 mm, width 78 mm and effective					
	17.73.2	height of 88 mm, weighing not less than 190 gms.	12	each	708.95	8,507.40	
		Making khurras 45x45 cm with average minimum thickness of 5 cm cement					
1.0-		concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm					
1.37		nominal size) over P.V.C. sheet 1 m x1 m x 400 micron, finished with 12 mm					
	12.22	cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete.	4	each	298.25	1,193.00	
	1	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes	т	caell	270.23	1,175.00	
1 20		conforming to IS : 13592 Type A, including jointing with seal ring conforming to					
1.38		IS : 5382, leaving 10 mm gap for thermal expansion,					
	12.41	(i) Single socketed pipes.	40	metre	377.40	15,096.00	
		Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories					
		for unplostinged Digid DVC min unter since and the 12 12500 T		1			
1.39		for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for					
1.39	12.42	including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for					
1.39	12.42 12.42.1						
1.39		including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion.	20	each	136.15	2,723.00	
1.39	12.42.1 12.42.1.1 12.42.3	including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion. Coupler 110 mm Single tee with door		each			
1.39	12.42.1 12.42.1.1 12.42.3 12.42.3.2	including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion. Coupler 110 mm Single tee with door 110x110x110 mm	20	each each	136.15 234.15	2,723.00 936.60	
1.39	12.42.1 12.42.1.1 12.42.3 12.42.3.2 12.42.5	including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion. Coupler 110 mm Single tee with door 110x110x110 mm Bend 87.5°	4	each	234.15	936.60	
1.39	12.42.1 12.42.1.1 12.42.3 12.42.3.2	including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion. Coupler 110 mm Single tee with door 110x110x110 mm					

		Providing and fixing unplasticised -PVC pipe clips of approved design to					
I		unplasticised - PVC rain water pipes by means of 50x50x50 mm hard wood plugs,					
1.40		screwed with M.S. screws of required length, including cutting brick work and					
1.40		fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall					
	12 42						
	12.43	etc. complete.					
	12.43.2	110 mm	20	each	371.30	7,426.00	
		Supplying and fixing of HDPE pipe (PE grade 63 - PN-8) confirming to IS 14333					
		1996 chemical waste pipes jointed with rubber ring with good quality lubricant					
		with fittings inclussive of all necessary specials like bends, tees,					
		offsets, junctions etc laid under floor/under ceiling/on walls with suitable clamps					
1.41		and specials curing, necessary chasing, jointing and restoring to original					
		conditions, testing etc. including all other incidental charges etc. complete for					
		successful completion of work as per specifications, and as directed by Engineer -					
	NSI-9	in- Charge.					
	a)	110 mm outer dia	0	metre	1,543.00		-
	b)	50 mm outer dia	0	metre	558.00		-
		Providing & fixing in position upvc P"or S" trap of self cleaning design of					
		following sizes for the embedded areas Making proper connection with chemical					
1.42		sealent joint, cutting chase / hole in floors /slabs and bringing the same in proper					
1.42							
		condition in cement concrete 1:2:4 mix complete as required. including cost of			(22 00		
	NSI-10	cutting and making good the walls and floors wherever required.	0	each	627.00		-
		Providing & Fixing water cooler wth stainless steel having storage capacity of 80					
		liter & cooling capacity 60 liter / hour with Reverse osmosis system & ultra voilet					
1.43		membrane TDS reduction 90% having automatic back wash system with filteration					
		unit & all other required accessories complete in all respect as per direction of the					
	NSI-11	engineer in charge .	0	each	65,604.00		_
		TOTAL		Jach		512,985.95	50,058.00
							20,000.00
		Sub Head – II Water Supply		↓			
2.1		Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting					
2.1	18.10	and making good the walls etc.					
		Internal work – Exposed on wall.					
\rightarrow	18.10.2	20 mm nominal outer dia Pipes	15	metre	437.30	6,559.50	
	18.10.3	25 mm nominal outer dia Pipes	15	metre	551.70	8,275.50	
	18.10.3	32 mm nominal outer dia Pipes	25	metre	667.00	16,675.00	
				-			
	18.10.5	40 mm nominal outer dia Pipes	30	metre	811.90	24,357.00	
	18.10.6	50 mm nominal outer dia Pipes	0	metre	1,048.35	-	
	NSI-12a	65 mm nominal outer dia Pipes	0	metre	1,084.00	-	
	NSI-12b	80 mm nominal outer dia Pipes	0	metre	1,276.00	-	
		Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal					
		stability for hot & cold water supply, including all CPVC plain & brass threaded					
		fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of					
2.2		pipes & fittings with one step CPVC solvent cement and the cost of cutting chases					
2.2							
		and making good the same including testing of joints complete as per direction of					
		Engineer in Charge.					
	18.8				`		
		Concealed including cutting chases and making good the wall etc.					
	18.8.2	15 mm nominal outer dia Pipes	54	metre	537.60	29,030.40	
	18.8.3	20 mm nominal outer dia Pipes	45	metre	627.25	28,226.25	
	18.8.4	25 mm nominal outer dia Pipes	36	metre	739.30	26,614.80	
	10.0.4	Providing and fixing gun metal gate valve with C.I. wheel of approved quality	50	metre	137.50	20,014.00	
2.3	10.17	0 00 0 11 1 9					
\rightarrow	18.17	(screwed end) :	18				
	18.17.1A	20 mm dia. nominal bore	18	each	539.95	9,719.10	
	18.17.1						
	18.17.2	25 mm dia. nominal bore	6	each	622.40	3,734.40	
		25 mm dia. nominal bore 32 mm dia. nominal bore			622.40 689.60		
	18.17.3		6	each		3,734.40	
	18.17.3	32 mm dia. nominal bore 40 mm dia. nominal bore	6 2 1	each each each	689.60 826.10	3,734.40 1,379.20	
		32 mm dia. nominal bore 40 mm dia. nominal bore 50 mm dia. nominal bore	6 2	each each	689.60	3,734.40 1,379.20 826.10	
2.4	18.17.3 18.17.4	32 mm dia. nominal bore 40 mm dia. nominal bore 50 mm dia. nominal bore Providing and fixing ball valve (brass) of approved quality, High or low pressure,	6 2 1	each each each	689.60 826.10	3,734.40 1,379.20 826.10	
2.4	18.17.3 18.17.4 18.18	32 mm dia. nominal bore 40 mm dia. nominal bore 50 mm dia. nominal bore Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete :	6 2 1 0	each each each each	689.60 826.10 1,026.65	3,734.40 1,379.20 826.10	
2.4	18.17.3 18.17.4	32 mm dia. nominal bore 40 mm dia. nominal bore 50 mm dia. nominal bore Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 25 mm nominal bore	6 2 1	each each each	689.60 826.10	3,734.40 1,379.20 826.10	
	18.17.3 18.17.4 18.18 18.18.3	32 mm dia. nominal bore 40 mm dia. nominal bore 50 mm dia. nominal bore Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 25 mm nominal bore Providing and fixing hand held ablution fitting (health faucet) with 1.2 meter long	6 2 1 0 6	each each each each each	689.60 826.10 1,026.65 464.05	3,734.40 1,379.20 826.10	
2.4 2.5	18.17.3 18.17.4 18.18	32 mm dia. nominal bore 40 mm dia. nominal bore 50 mm dia. nominal bore Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 25 mm nominal bore Providing and fixing hand held ablution fitting (health faucet) with 1.2 meter long flexible tube and wall hook, all complete approved engineer-in-charge	6 2 1 0	each each each each	689.60 826.10 1,026.65	3,734.40 1,379.20 826.10	28,476.00
2.5	18.17.3 18.17.4 18.18 18.18.3 NSI-13	32 mm dia. nominal bore 40 mm dia. nominal bore 50 mm dia. nominal bore Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 25 mm nominal bore Providing and fixing hall valve (brass) of approved quality, High or low pressure, with plastic floats complete : 25 mm nominal bore Providing and fixing hand held ablution fitting (health faucet) with 1.2 meter long flexible tube and wall hook, all complete approved engineer-in-charge Supply and fixing of 15mm CP brass 2 -Way Bib Cock with wall flange and	6 2 1 0 6 12	each each each each each	689.60 826.10 1,026.65 464.05 2,373.00	3,734.40 1,379.20 826.10	28,476.00
	18.17.3 18.17.4 18.18 18.18.3	32 mm dia. nominal bore 40 mm dia. nominal bore 50 mm dia. nominal bore Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 25 mm nominal bore Providing and fixing hand held ablution fitting (health faucet) with 1.2 meter long flexible tube and wall hook, all complete approved engineer-in-charge	6 2 1 0 6	each each each each each	689.60 826.10 1,026.65 464.05	3,734.40 1,379.20 826.10	28,476.00 31,848.00
2.5	18.17.3 18.17.4 18.18 18.18.3 NSI-13	32 mm dia. nominal bore 40 mm dia. nominal bore 50 mm dia. nominal bore Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 25 mm nominal bore Providing and fixing hall valve (brass) of approved quality, High or low pressure, with plastic floats complete : 25 mm nominal bore Providing and fixing hand held ablution fitting (health faucet) with 1.2 meter long flexible tube and wall hook, all complete approved engineer-in-charge Supply and fixing of 15mm CP brass 2 -Way Bib Cock with wall flange and	6 2 1 0 6 12	each each each each each each	689.60 826.10 1,026.65 464.05 2,373.00	3,734.40 1,379.20 826.10	
2.5 2.6	18.17.3 18.17.4 18.18 18.18.3 NSI-13	32 mm dia. nominal bore 40 mm dia. nominal bore 50 mm dia. nominal bore Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 25 mm nominal bore Providing and fixing hand held ablution fitting (health faucet) with 1.2 meter long flexible tube and wall hook, all complete approved engineer-in-charge Supply and fixing of 15mm CP brass 2 -Way Bib Cock with wall flange and suitable length CP brass extension pipe all of approved engineer-in-charge Providing and placing on terrace (at all floor levels) polyethylene water storage	6 2 1 0 6 12	each each each each each each	689.60 826.10 1,026.65 464.05 2,373.00	3,734.40 1,379.20 826.10	
2.5	18.17.3 18.17.4 18.18 18.18.3 NSI-13	32 mm dia. nominal bore 40 mm dia. nominal bore 50 mm dia. nominal bore Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 25 mm nominal bore Providing and fixing hand held ablution fitting (health faucet) with 1.2 meter long flexible tube and wall hook, all complete approved engineer-in-charge Supply and fixing of 15mm CP brass 2 -Way Bib Cock with wall flange and suitable length CP brass extension pipe all of approved engineer-in-charge tank, IS : 12701 marked, with cover and suitable locking arrangement and making	6 2 1 0 6 12	each each each each each each	689.60 826.10 1,026.65 464.05 2,373.00	3,734.40 1,379.20 826.10	
2.5 2.6	18.17.3 18.17.4 18.18 18.18.3 NSI-13 NSI-14	32 mm dia. nominal bore 40 mm dia. nominal bore 50 mm dia. nominal bore Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 25 mm nominal bore Providing and fixing hall valve (brass) of approved quality, High or low pressure, with plastic floats complete : 25 mm nominal bore Providing and fixing hand held ablution fitting (health faucet) with 1.2 meter long flexible tube and wall hook, all complete approved engineer-in-charge Supply and fixing of 15mm CP brass 2 -Way Bib Cock with wall flange and suitable length CP brass extension pipe all of approved engineer-in-charge Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base	6 2 1 0 6 12 12	each each each each cach each each	689.60 826.10 1,026.65 464.05 2,373.00 2,654.00	3,734.40 1,379.20 826.10 - 2,784.30	
2.5 2.6	18.17.3 18.17.4 18.18 18.18.3 NSI-13	32 mm dia. nominal bore 40 mm dia. nominal bore 50 mm dia. nominal bore Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 25 mm nominal bore Providing and fixing hand held ablution fitting (health faucet) with 1.2 meter long flexible tube and wall hook, all complete approved engineer-in-charge Supply and fixing of 15mm CP brass 2 -Way Bib Cock with wall flange and suitable length CP brass extension pipe all of approved engineer-in-charge Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank	6 2 1 0 6 12	each each each each each each	689.60 826.10 1,026.65 464.05 2,373.00	3,734.40 1,379.20 826.10	
2.5 2.6	18.17.3 18.17.4 18.18 18.18.3 NSI-13 NSI-14 18.48	32 mm dia. nominal bore 40 mm dia. nominal bore 50 mm dia. nominal bore Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 25 mm nominal bore Providing and fixing hand held ablution fitting (health faucet) with 1.2 meter long flexible tube and wall hook, all complete approved engineer-in-charge Supply and fixing of 15mm CP brass 2 -Way Bib Cock with wall flange and suitable length CP brass extension pipe all of approved engineer-in-charge Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank Providing and fixing C.P. brass long nose bib cock of approved quality conforming	6 2 1 0 6 12 12	each each each each cach each each	689.60 826.10 1,026.65 464.05 2,373.00 2,654.00	3,734.40 1,379.20 826.10 - 2,784.30	
2.5 2.6 2.7	18.17.3 18.17.4 18.18 18.18.3 NSI-13 NSI-14 18.48 18.51	32 mm dia. nominal bore 40 mm dia. nominal bore 50 mm dia. nominal bore Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 25 mm nominal bore Providing and fixing hand held ablution fitting (health faucet) with 1.2 meter long flexible tube and wall hook, all complete approved engineer-in-charge Supply and fixing of 15mm CP brass 2 -Way Bib Cock with wall flange and suitable length CP brass extension pipe all of approved engineer-in-charge Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms.	6 2 1 0 6 12 6,000	cach cach cach cach cach cach cach cach	689.60 826.10 1,026.65 464.05 2,373.00 2,654.00 11.00	3,734.40 1,379.20 826.10 - 2,784.30 66,000.00	
2.5 2.6 2.7	18.17.3 18.17.4 18.18 18.18.3 NSI-13 NSI-14 18.48	32 mm dia. nominal bore 40 mm dia. nominal bore 50 mm dia. nominal bore Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 25 mm nominal bore Providing and fixing hand held ablution fitting (health faucet) with 1.2 meter long flexible tube and wall hook, all complete approved engineer-in-charge Supply and fixing of 15mm CP brass 2 -Way Bib Cock with wall flange and suitable length CP brass extension pipe all of approved engineer-in-charge Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms. 15 mm nominal bore	6 2 1 0 6 12 12	each each each each cach each each	689.60 826.10 1,026.65 464.05 2,373.00 2,654.00	3,734.40 1,379.20 826.10 - 2,784.30	
2.5 2.6 2.7 2.8	18.17.3 18.17.4 18.18 18.18.3 NSI-13 NSI-14 18.48 18.51	32 mm dia. nominal bore 40 mm dia. nominal bore 50 mm dia. nominal bore Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 25 mm nominal bore Providing and fixing hand held ablution fitting (health faucet) with 1.2 meter long flexible tube and wall hook, all complete approved engineer-in-charge Supply and fixing of 15mm CP brass 2 -Way Bib Cock with wall flange and suitable length CP brass extension pipe all of approved engineer-in-charge Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms.	6 2 1 0 6 12 6,000	cach cach cach cach cach cach cach cach	689.60 826.10 1,026.65 464.05 2,373.00 2,654.00 11.00	3,734.40 1,379.20 826.10 - 2,784.30 66,000.00	
2.5 2.6 2.7	18.17.3 18.17.4 18.18 18.18.3 NSI-13 NSI-14 18.48 18.51	32 mm dia. nominal bore 40 mm dia. nominal bore 50 mm dia. nominal bore Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 25 mm nominal bore Providing and fixing hand held ablution fitting (health faucet) with 1.2 meter long flexible tube and wall hook, all complete approved engineer-in-charge Supply and fixing of 15mm CP brass 2 -Way Bib Cock with wall flange and suitable length CP brass extension pipe all of approved engineer-in-charge Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms. 15 mm nominal bore	6 2 1 0 6 12 6,000	cach cach cach cach cach cach cach cach	689.60 826.10 1,026.65 464.05 2,373.00 2,654.00 11.00	3,734.40 1,379.20 826.10 - 2,784.30 66,000.00	
2.5 2.6 2.7 2.8	18.17.3 18.17.4 18.18 18.18.3 NSI-13 NSI-14 18.48 18.51 18.51.1	32 mm dia. nominal bore 40 mm dia. nominal bore 50 mm dia. nominal bore Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 25 mm nominal bore Providing and fixing hand held ablution fitting (health faucet) with 1.2 meter long flexible tube and wall hook, all complete approved engineer-in-charge Supply and fixing of 15mm CP brass 2 -Way Bib Cock with wall flange and suitable length CP brass extension pipe all of approved engineer-in-charge Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms. 15 mm nominal bore Providing and fixing C.P. brass stop cock (concealed) of standard design and of	6 2 1 0 6 12 6,000	cach cach cach cach cach cach cach cach	689.60 826.10 1,026.65 464.05 2,373.00 2,654.00 11.00	3,734.40 1,379.20 826.10 - 2,784.30 66,000.00	
2.5 2.6 2.7 2.8 2.9	18.17.3 18.17.4 18.18 18.18.3 NSI-13 NSI-14 18.48 18.51 18.51.1 18.52	32 mm dia. nominal bore 40 mm dia. nominal bore 50 mm dia. nominal bore Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 25 mm nominal bore Providing and fixing hand held ablution fitting (health faucet) with 1.2 meter long flexible tube and wall hook, all complete approved engineer-in-charge Supply and fixing of 15mm CP brass 2 -Way Bib Cock with wall flange and suitable length CP brass extension pipe all of approved engineer-in-charge Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms. 15 mm nominal bore Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931. 15 mm nominal bore	6 2 1 0 6 12 12 6,000 24	cach cach cach cach cach cach cach cach	689.60 826.10 1,026.65 2,373.00 2,654.00 11.00 796.95	3,734.40 1,379.20 826.10 - 2,784.30 66,000.00 19,126.80	
2.5 2.6 2.7 2.8	18.17.3 18.17.4 18.18 18.18.3 NSI-13 NSI-14 18.48 18.51 18.51.1 18.52 18.52.1	32 mm dia. nominal bore 40 mm dia. nominal bore 50 mm dia. nominal bore Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 25 mm nominal bore Providing and fixing hand held ablution fitting (health faucet) with 1.2 meter long flexible tube and wall hook, all complete approved engineer-in-charge Supply and fixing of 15mm CP brass 2 -Way Bib Cock with wall flange and suitable length CP brass extension pipe all of approved engineer-in-charge Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms. 15 mm nominal bore Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931. 15 mm nominal bore Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931.	6 2 1 0 6 12 12 6,000 24	cach cach cach cach cach cach cach cach	689.60 826.10 1,026.65 2,373.00 2,654.00 11.00 796.95	3,734.40 1,379.20 826.10 - 2,784.30 66,000.00 19,126.80	
2.5 2.6 2.7 2.8 2.9	18.17.3 18.17.4 18.18 18.18.3 NSI-13 NSI-14 18.48 18.51 18.51.1 18.52 18.52.1 18.53	32 mm dia. nominal bore 40 mm dia. nominal bore 50 mm dia. nominal bore Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 25 mm nominal bore Providing and fixing hand held ablution fitting (health faucet) with 1.2 meter long flexible tube and wall hook, all complete approved engineer-in-charge Supply and fixing of 15mm CP brass 2 -Way Bib Cock with wall flange and suitable length CP brass extension pipe all of approved engineer-in-charge Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms. 15 mm nominal bore Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931. 15 mm nominal bore Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931.	6 2 1 0 6 12 12 6,000 24 24	each each each each each each each per litre each	689.60 826.10 1,026.65 2,373.00 2,654.00 11.00 796.95 670.45	3,734.40 1,379.20 826.10 - 2,784.30 66,000.00 19,126.80 16,090.80	
2.5 2.6 2.7 2.8 2.9 2.10	18.17.3 18.17.4 18.18 18.18.3 NSI-13 NSI-14 18.48 18.51 18.51 18.52 18.52.1 18.53 18.53.1	32 mm dia. nominal bore 40 mm dia. nominal bore 50 mm dia. nominal bore Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 25 mm nominal bore Providing and fixing hand held ablution fitting (health faucet) with 1.2 meter long flexible tube and wall hook, all complete approved engineer-in-charge Supply and fixing of 15mm CP brass 2 -Way Bib Cock with wall flange and suitable length CP brass extension pipe all of approved engineer-in-charge Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms. 15 mm nominal bore Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931. 15 mm nominal bore Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 15mm nominal bore	6 2 1 0 6 12 12 6,000 24	cach cach cach cach cach cach cach cach	689.60 826.10 1,026.65 2,373.00 2,654.00 11.00 796.95	3,734.40 1,379.20 826.10 - 2,784.30 66,000.00 19,126.80	
2.5 2.6 2.7 2.8 2.9	18.17.3 18.17.4 18.18 18.18.3 NSI-13 NSI-14 18.51 18.51 18.52 18.52.1 18.53 18.53 18.53.1 18.21	32 mm dia. nominal bore 40 mm dia. nominal bore 50 mm dia. nominal bore Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 25 mm nominal bore Providing and fixing hand held ablution fitting (health faucet) with 1.2 meter long flexible tube and wall hook, all complete approved engineer-in-charge Supply and fixing of 15mm CP brass 2 -Way Bib Cock with wall flange and suitable length CP brass extension pipe all of approved engineer-in-charge Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms. 15 mm nominal bore Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931. 15 mm nominal bore Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931. 15 mm nominal bore Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931. 15 mm nominal bore Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931.	6 2 1 0 6 12 12 6,000 24 24	each each each each each each each per litre each	689.60 826.10 1,026.65 2,373.00 2,654.00 11.00 796.95 670.45	3,734.40 1,379.20 826.10 - 2,784.30 66,000.00 19,126.80 16,090.80	
2.5 2.6 2.7 2.8 2.9 2.10	18.17.3 18.17.4 18.18 18.18.3 NSI-13 NSI-14 18.51 18.51 18.52 18.52.1 18.53 18.53.1 18.53 18.53.1 18.21 18.21.2	32 mm dia. nominal bore 40 mm dia. nominal bore 50 mm dia. nominal bore Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 25 mm nominal bore Providing and fixing hand held ablution fitting (health faucet) with 1.2 meter long flexible tube and wall hook, all complete approved engineer-in-charge Supply and fixing of 15mm CP brass 2 -Way Bib Cock with wall flange and suitable length CP brass extension pipe all of approved engineer-in-charge Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms. 15 mm nominal bore Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931. 15 mm nominal bore Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 15mm nominal bore	6 2 1 0 6 12 12 6,000 24 24	each each each each each each each per litre each	689.60 826.10 1,026.65 2,373.00 2,654.00 11.00 796.95 670.45	3,734.40 1,379.20 826.10 - 2,784.30 66,000.00 19,126.80 16,090.80	
2.5 2.6 2.7 2.8 2.9 2.10	18.17.3 18.17.4 18.18 18.18.3 NSI-13 NSI-14 18.51 18.51 18.52 18.52.1 18.53 18.53 18.53.1 18.21	32 mm dia. nominal bore 40 mm dia. nominal bore 50 mm dia. nominal bore Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 25 mm nominal bore Providing and fixing hand held ablution fitting (health faucet) with 1.2 meter long flexible tube and wall hook, all complete approved engineer-in-charge Supply and fixing of 15mm CP brass 2 -Way Bib Cock with wall flange and suitable length CP brass extension pipe all of approved engineer-in-charge Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms. 15 mm nominal bore Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931. 15 mm nominal bore Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931. 15 mm nominal bore Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931. 15 mm nominal bore Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931.	6 2 1 0 6 12 12 6,000 24 24	each each each each each each each per litre each	689.60 826.10 1,026.65 2,373.00 2,654.00 11.00 796.95 670.45	3,734.40 1,379.20 826.10 - 2,784.30 66,000.00 19,126.80 16,090.80	
2.5 2.6 2.7 2.8 2.9 2.10 2.11	18.17.3 18.17.4 18.18 18.18.3 NSI-13 NSI-14 18.48 18.51 18.51 18.52 18.52.1 18.53 18.53.1 18.21 18.21.2 18.21.2.1	32 mm dia. nominal bore 40 mm dia. nominal bore 50 mm dia. nominal bore Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 25 mm nominal bore Providing and fixing hand held ablution fitting (health faucet) with 1.2 meter long flexible tube and wall hook, all complete approved engineer-in-charge Supply and fixing of 15mm CP brass 2 -Way Bib Cock with wall flange and suitable length CP brass extension pipe all of approved engineer-in-charge Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms. 15 mm nominal bore Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931. 15 mm nominal bore Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved quality conforming to IS:8931. 15 mm nominal bore Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved quality conforming to IS:8931. 15 mm nominal bore Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931. </td <td>6 2 1 0 6 12 12 6,000 24 24 84</td> <td>each each each each each each each per litre each</td> <td>689.60 826.10 1,026.65 2,373.00 2,654.00 11.00 796.95 670.45 574.30</td> <td>3,734.40 1,379.20 826.10 - 2,784.30 66,000.00 19,126.80 16,090.80 48,241.20</td> <td></td>	6 2 1 0 6 12 12 6,000 24 24 84	each each each each each each each per litre each	689.60 826.10 1,026.65 2,373.00 2,654.00 11.00 796.95 670.45 574.30	3,734.40 1,379.20 826.10 - 2,784.30 66,000.00 19,126.80 16,090.80 48,241.20	
2.5 2.6 2.7 2.8 2.9 2.10	18.17.3 18.17.4 18.18 18.18.3 NSI-13 NSI-14 18.48 18.51 18.51 18.52 18.52.1 18.53 18.53.1 18.21 18.21.2 18.21.2.1 18.22	32 mm dia. nominal bore 40 mm dia. nominal bore 50 mm dia. nominal bore Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 25 mm nominal bore Providing and fixing hand held ablution fitting (health faucet) with 1.2 meter long flexible tube and wall hook, all complete approved engineer-in-charge Supply and fixing of 15mm CP brass 2 -Way Bib Cock with wall flange and suitable length CP brass extension pipe all of approved engineer-in-charge Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms. 15 mm nominal bore Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931. 15 mm nominal bore Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved quality conforming to IS:8931. 15 mm nominal bore Providing and fixing C.P. brass stop cock (connection pipe with brass unions : 45 cm length 15 mm nominal bore Providing and fixing C.P. brass stop concetion pipe with brass unions : 45 m length	6 2 1 0 6 12 12 6,000 24 24 24 24 84 84	each each each each each each each per litre each cach	689.60 826.10 1,026.65 2,373.00 2,654.00 11.00 796.95 670.45 574.30 97.75	3,734.40 1,379.20 826.10 - 2,784.30 66,000.00 19,126.80 16,090.80 48,241.20 8,211.00	
2.5 2.6 2.7 2.8 2.9 2.10 2.11	18.17.3 18.17.4 18.18 18.18.3 NSI-13 NSI-14 18.48 18.51 18.51 18.52 18.52.1 18.53 18.53.1 18.21 18.21.2 18.21.2.1	32 mm dia. nominal bore 40 mm dia. nominal bore 50 mm dia. nominal bore Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 25 mm nominal bore Providing and fixing hand held ablution fitting (health faucet) with 1.2 meter long flexible tube and wall hook, all complete approved engineer-in-charge Supply and fixing of 15mm CP brass 2 -Way Bib Cock with wall flange and suitable length CP brass extension pipe all of approved engineer-in-charge Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms. 15 mm nominal bore Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931. 15 mm nominal bore Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 15mm nominal bore Providing and fixing U.P. brass shower rose with 15 or 20 mm inlet : 15 mm diameter	6 2 1 0 6 12 12 6,000 24 24 84	each each each each each each each per litre each	689.60 826.10 1,026.65 2,373.00 2,654.00 11.00 796.95 670.45 574.30	3,734.40 1,379.20 826.10 - 2,784.30 66,000.00 19,126.80 16,090.80 48,241.20	
2.5 2.6 2.7 2.8 2.9 2.10 2.11	18.17.3 18.17.4 18.18 18.18.3 NSI-13 NSI-14 18.48 18.51 18.51 18.52 18.52.1 18.53 18.53.1 18.21 18.21.2 18.21.2 18.21.2 18.22.2	32 mm dia. nominal bore 40 mm dia. nominal bore 50 mm dia. nominal bore Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 25 mm nominal bore Providing and fixing hand held ablution fitting (health faucet) with 1.2 meter long flexible tube and wall hook, all complete approved engineer-in-charge Supply and fixing of 15mm CP brass 2 -Way Bib Cock with wall flange and suitable length CP brass extension pipe all of approved engineer-in-charge Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms. 15 mm nominal bore Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931. 15 mm nominal bore Providing and fixing U.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931. 15 mm nominal bore Providing and fixing U.P. brass shower rose with 15 or 20 mm inlet : 150 mm diameter Providing and fixing C.P. Brass Single lever telephonic wall mixer of quality &	6 2 1 0 6 12 12 6,000 24 24 84 84	each each each each each each each per litre each cach	689.60 826.10 1,026.65 2,373.00 2,654.00 11.00 796.95 670.45 574.30 97.75	3,734.40 1,379.20 826.10 - 2,784.30 66,000.00 19,126.80 16,090.80 48,241.20 8,211.00	
2.5 2.6 2.7 2.8 2.9 2.10 2.11 2.12	18.17.3 18.17.4 18.18 18.18.3 NSI-13 NSI-14 18.48 18.51 18.51 18.52 18.52.1 18.53 18.53.1 18.21 18.21.2 18.21.2.1 18.22	32 mm dia. nominal bore 40 mm dia. nominal bore 50 mm dia. nominal bore Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 25 mm nominal bore Providing and fixing hand held ablution fitting (health faucet) with 1.2 meter long flexible tube and wall hook, all complete approved engineer-in-charge Supply and fixing of 15mm CP brass 2 -Way Bib Cock with wall flange and suitable length CP brass extension pipe all of approved engineer-in-charge Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms. 15 mm nominal bore Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931. 15 mm nominal bore Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 15mm nominal bore Providing and fixing U.P. brass shower rose with 15 or 20 mm inlet : 15 mm diameter	6 2 1 0 6 12 12 6,000 24 24 84 84	each each each each each each each per litre each cach	689.60 826.10 1,026.65 2,373.00 2,654.00 11.00 796.95 670.45 574.30 97.75	3,734.40 1,379.20 826.10 - 2,784.30 66,000.00 19,126.80 16,090.80 48,241.20 8,211.00	

		$\mathbf{P}_{1} = \frac{1}{2} \mathbf{F}_{1} + \frac{1}{2} \mathbf{F}_{2} + $					
		Providing, Fixing, testing and commissioning of CP Brass 150 mm x 150 mm					
2.14		Shower head with wall flange with all accessories as required and making good the					
	NOT 15	walls wherever required. (MAKE-JAQUAR -Model No- OHS-35495 or	0	,	1.075.00		
	NSI-15	EQUIVALENT.)	0	each	4,875.00		-
		Supply Erection, Testing & Commissioning of Automatic water level control					
2.15		panel & related accessories for pumping automation with consisting of automatic					
	NGL 16	water level controller, level sensor with stainless steel probe, motorized butterfly					
	NSI-16	valve, motorized valve controller with complete in all respect.	1		26.047.00		26.047.00
	a	upto 50 mm dia. nominal bore TOTAL	1	each	26,947.00	318,519.55	26,947.00 87,271.00
		SUBHEAD – III Drainage				510,517.55	07,271.00
		Supply and fixing HDPE double wall corrugated (DWC) I.S 16098 (Part - 2)					
		3013 for soil / waste pipe under ground drainage system with jointed with rubber					
3.1		ring with good quality lubricant for fittings, inclusive of all necessary specials like					
0.1		bends, tees, offsets, junctions, re excavtion and refillig etc complete.					
	NSI-17	conditi, cooli, onisedi, junenonis, re eneu tion and renning ete compreter					
	a	150 mm diameter	10	metre	1,024.00		10,240.00
	b	200 mm diameter	0	metre	1,298.00		-
		Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I.			,		
		grating brick masonry chamber with water tight C.I. cover with frame of 300 x300					
3.2		mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not					
	19.4	less than 2.70 kg as per standard design :					
	19.4.3	180x150 mm size P type					
	19.4.3.1	With fly ash bricks (non modular) bricks of class designation 7.5	4	each	2,802.15	11,208.60	
		Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with					
3.3		collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1					
	19.6	cement : 2 fine sand) including testing of joints etc. complete :					
	19.6.2	150 mm dia. R.C.C. pipe	10	metre	556.45	5,564.50	
	19.6.3	250 mm dia. R.C.C. pipe	0	metre	899.80	-	
	19.6.4	300 mm dia. R.C.C. pipe	0	metre	994.30	-	
		Constructing brick masonry manhole in cement mortar 1:4 (1 cement :4 coarse					
		sand) with RCC top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 stone					
		aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4					
		coarse sand : 8 stone aggregate 40 mm nominal size) inside plastering 12 mm					
3.4		thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating					
		coat of neat cement, foundation cocreate 1:3:6 mix (1 cement :3 coarse sand : 6					
		graded stone aggregate 40 mm norminal size), and making necessary channel in					
		cement concrete 1:2:4 (1 cement :2 coarse sand :4 graded stone aggregate 20 mm					
		norminal size) finished with a floating coat of neat cement complete as per					
	19.7	standard design .					
		inside size 90x80 cms and 45 cms deep including CI cover with frame (light duty)					
	10 7 1	455x610 mm internal dimensions total weight of cover & frame to be not less than					
	19.7.1	38 kg (weight of cover 23 kg & weight of frame 15 kg)	2.00	F 1	10.770.55	25 541 10	
2 5	<u>19.7.1.1</u> 19.8	with common brunt clay FPS (non modular) bricks of class designation 7.5 Extra depth for manhole 90x80 cm	2.00	Each	12,770.55	25,541.10	
3.5	19.8	Extra depth for manhole 90x80 cm With FPS bricks class designation 7.5	0.20	Metre	8,825.40	1,765.08	
	17.0.1.1	Providing orange colour safety foot rest of minimum 6 mm thick plastic	0.20	wietre	0,023.40	1,703.08	
		encapsulated as per IS : 10910, on 12 mm dia steel bar conforming to IS:1786,					
		having minimum cross section as 23 mmx25 mm and over all minimum length 263					
		-					
		mm and width as 165 mm with minimum 112 mm space between protruded legs having 2 mm tread on top surface by ribbing or chequering esides necessary and					
3.6		adequate anchoring projections on tail length on 138 mm as per standard drawing					
2.0		and suitable to with stand the bend test and chemical resistance test as per					
		pecifications and having manufacture's permanent identification mark to be visible					
		even after fixing, including fixing in manholes with 30x20x15 cm cement concrete					
		block 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal					
	19.16	size) complete as per design.	8.00	Each	553.70	4,429.60	
	1,110	Constructing brick masonry road gully chamber 50x45x60 cm with bricks in	0.00	1.4011	555.10	.,129.00	
3.7		cement mortar 1:4 (1 cement : 4 coarse sand) including 500x450 mm pre-cast					
	19.27	R.C.C. horizontal grating with frame complete as per standard design :					
	19.27.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	4.00	Each	5,957.90	23,831.60	
		TOTAL				72,340.48	10,240.00

EST	ESTIMATE OF FOR CONSTRUCTION OF ADDITIONAL DORMITORY & STAFF QUARTERS AT JNV KUPWARA, JAMMU AND KASHMIR								
SUN	SUMMARY SHEET OF TYPE III RESIDENCE (G+2, 6 Nos) ELECTRICAL WORK								
Sl.No.	Name of Work	TOTAL AMOUNT(IN RS.)							
51.110.	INAME OF WORK	DSR-2022	MR						
Ι	SUB HEAD - I: CIRCUIT CUM POINT WIRING	1,007,633.00	12,698.74						
II	SUBHEAD -II - FITTINGS & FIXTURES	49,140.00	100,156.26						
III	SUBHEAD - III - DISTRIBUTION BOARDS	103,502.00	-						
III	SUB HEAD-IV , LIGHTNING CONDUCTOR	43,510.00							
	TOTAL	1,203,785.00	112,855.00						
	COST OF 1 Qtr	200,630.83	18,809.17						
	COST OF 21 Qtr	4,213,247.50	394,992.50						
	Say Rs. In Lacs	42.13	3.95						

ESTIMATE OF FOR CONSTRUCTION OF ADDITIONAL DORMITORY & STAFF QUARTERS AT JNV KUPWARA, JAMMU AND KASHMIR

S No.	DSD 2022/MCL	Detailed Estimate for ELECTRICAL Works TYPE-3 (G+2	í				A	unt
S.No.	DSR-2022/NSI	Description	Unit	Qty	Ra		Amo	
					DSR-2022	NSI	DSR-2022	NSI
		SUB HEAD - I: CIRCUIT CUM POINT WIRING						
		SWITCH CONTROL LIGHT POINTS						
		Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC						
1	DSR 1.10	insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS						
		PVC insulated copper conductor single core cable etc. as required.						
1.1	DSR 1.10.3	Group C	Point	108	1,467.00		158,436	
		Wiring for group controlled (looped) light point/fan point/exhaust fan point/ call bell point (
		without Independent switch etc.) with 1.5 sq. mm FRLS PVC insulated copper conductor						
2	DSR-1.55	single core cable in surface/ recessed PVC conduit, and earthing the point with 1.5 sq. mm	Point		858.00		-	
		FRLS PVC insulated copper conductor single core cable etc as required. (Switch Control Secondary Points)						
2.1	DSR-1.55.3	Group C						
		Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC						
		insulated copper conductor single core cable in surface / recessed steel conduit, with						
3	DSR-1.3	modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm						
		FRLS PVC insulated copper conductor single core cable etc. as required. (Switch Control Primary Points)						
3.1	DSR-1.3.3	Group C	Point	0	1,845.00		-	
		Wiring for group controlled (looped) light point/for point/when the point/ all hill a sist						
		Wiring for group controlled (looped) light point/fan point/exhaust fan point/ call bell point (without Independent switch etc.) with 1.5 sq. mm FRLS PVC insulated copper conductor						
4	DSR-1.54	single core cable in surface/ recessed steel conduit, and earthing the point with 1.5 sq. mm						
		FRLS PVC insulated copper conductor single core cable etc as required. (Switch Control						
4.1	DSR-1.54.3	Secondary Points) Group C	Point	0	1,094.00		-	
		MCB CONTROL LIGHT POINTS Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC						
		insulated copper conductor single core cable in surface / recessed steel conduit, with						
5	NSI-1	modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm						
		FRLS PVC insulated copper conductor single core cable etc. as required. (Switch Control Primary Points)						
5.1	NSI-1.1	Primary point controlled by one MCB.	Point	3		1,523.13		4,569
		Come as item above but Connecton point is Deinte to be leaved with Drivery point with 2.5						
5.2	NSI-1.2	Same as item above but Secondary point . i.e. Points to be looped with Primary point with 2.5 sqmm wire and Point wiring	Point	6		1,354.89		8,129
6	DSR 1.5	Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit alongwith 1 No. 4 sq. mm FRLS PVC insulated	Metre	340	433.00		147,220	
Ŭ	D5K 1.5	copper conductor single core cable for loop earthing as required.	metre	510	155.00		117,220	
		With failed and a start of the start of the start of the failed at the start of the						
7	DSR 1.7	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required.						
7.1 7.2	DSR 1.7.1 DSR 1.7.2	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire 2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	Metre Metre	0 388	327.00 369.00		- 143,172	
7.3	DSR 1.7.4	2×6 sq. mm + 1×6 sq. mm earth wire	Metre	515	589.00		303,335	
7.4	DSR 1.7.5	2 x 10 sq. mm + 1 x 10 sq.mm earth wire	Metre	0	710.00 1,166.00		-	
7.5 7.6	DSR 1.7.10 DSR 1.7.11	4 X 10 sq. mm + 2 X 6 sq. mm earth wire 4 X 16 sq. mm + 2 X 6 sq. mm earth wire	Metre Metre	0	1,166.00		186,560	
8	DSR 1.31	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess including providing and fixing 3 pin 5/6 Amp modular socket outlet and 5/6 A modular	Each	42	477.00		20,034	
	258 1.01	switch, connection etc. as required.	Luch		+77.00		20,034	
		Sumply and William for 250 miles and a data and a second 20 M. C						
		Supply and Wiring for 250 volts single phase and neutral 2 Nos 6 amps socket outlate with control by 1 No switched with 2.5 sq.mm PVC insulated copper conductor 1100 volts grade						
		stranded flexible FRLS wires in concealed or surface mounted 25 mm dia 2mm thick PVC						
9	NSI-2	conduit including providing and fixing of 6 amps 3 pin switch socket outlet of approved make and design in 2 mm thick GI box with grid plate and earthing of third pin of the socket with 2.5	Each	0		1,782		-
		Sq. mm PVC insulated copper conductor stranded flexible FRLS wire.(maximum four no. of						
		switches socket shall be connected on one circuit)						
		Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in						
10	DSR 1.32	recess, including providing and fixing 6 pin 5/6 & 15/16 A modular socket outlet and 15/16 A	Each	42	586.00		24,612.00	
		modular switch, connections etc. as required.						
		Supplying and fixing 63 A, 415 V, TPN Industrial type socket outlet, with 4 pole and earth,						
11	NSI-3	metal enclosed plug top alongwith 63 A "C" curve, TPMCB, in sheet steel enclosure, on surface	Each	0		11,284.98		_
	. 101 0	or in recess, with chained metal cover for the socket outlet and complete with connections, testing and commissioning etc. as required.				,=01190		
		Supplying and fixing 80 A, 415 V, TPN Industrial type socket outlet, with 4 pole and earth,						
	NSI-4	metal enclosed plug top alongwith 80 A "C" curve, TPMCB, in sheet steel enclosure, on surface	Each	0		17,343.23		-
12		for in recess with chained metal cover for the socket office and complete with connactions						
12		or in recess, with chained metal cover for the socket outlet and complete with connections, testing and commissioning etc. as required.						

	-							
13	DSR-1.33	Supplying and fixing 3 pin , 5 A ceiling rose on the existing junction box/ wooden block including connections etc. as required.	Each	18	87		1,566.00	
14	DSR-1.57	Supplying & fixing suitable size GI box wih modular plate and cover in front on surface or in recess <i>i/c</i> providing and fixing 25 amp modular socket outlet and 25 Amps modular SP MCB, "C" curve including connection, painting etc. as required. (AC's & Gysers)	Each	30	727		21,810.00	
		Supplying and fixing following modular switch/ socket on the existing modular plate & switch						
15 15.1	DSR 1.24 DSR 1.24.6	box including connections but excluding modular plate etc. as required. Telephone socket outlet	Nos	6	148.00		888.00	
13.1	D5K 1.24.0		1105	0	140.00		000.00	
16	DSR 1.27	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required.						
16.1 16.2	DSR 1.27.1 DSR 1.27.4	1 or 2 Module (75mmX75mm) 6 module (78mm X 205 mm X 50 mm)	Nos Nos	0	298.00 402.00		-	
				-				
17	DSR 1.24	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required.						
17.1 17.1	DSR 1.24.4 DSR 1.24.1	3 pin , 5/6 amps socket outlet 5/6 amps switch	Each Each	0	122.00 103.00		-	
18	DSR 1.21	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.						
18.1 18.2	DSR 1.21.2 DSR 1.21.3	25 mm 32 mm	Mtr Mtr	0	145.00 184.00		-	
10.2	DOR 1.21.0				101.00			12 (00 74
		TOTAL CARRIED TO SUMMARY FOR SUBHEAD - I					1,007,633.00	12,698.74
		SUBHEAD -II - FITTINGS & FIXTURES						
1	NSI-1	Supply, Installation, Testing and Commissioning of 10 W Bulk head Light.	Each	0		1,158.20		-
2	NSI-2	Supply, Installation, Testing and Commissioning of 5W Mirror Light.	Each	0		445.46		-
3	NSI-3	Supply, Installation, Testing and Commissioning of 18W Surface/Recessed Mounted LED circular Downlighter.	Each	0		1,470.02		-
4	NSI-4	Supply, Installation, Testing and Commissioning of 18/20W Wall/Surface mouted 4 ft. LED	Each	24		1,336.38		32,073.10
5	NSI-5	Supply, Installation, Testing and Commissioning of 15W Surface mounted LED Square Downlighter.	Each	15		1,380.93		20,713.88
6	NSI-6	Supply, Installation, Testing and Commissioning of 150 W CHANDELIER	Each	0		89,091.94		-
7	NSI-7	Supply, Installation, Testing and Commissioning of 12/9W Recessed mounted LED circular Downlighter.	Each	0		1,069.10		-
8	NSI-8	Supply, Installation, Testing and Commissioning of 9W (Nominal) Wall Bracket Light	Each	30		222.73		6,681.90
9	DSR 19.1	Supply, Installation, Testing and Commissioning of 1200 mm sweep, BEE 5 star rated, ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. blades, 30 cm long down rod, 2nos. canopies, shackle kit, safety rope, copper winding, Power Factor not less than 0.9, Service Value (CM/M/W) minimum 6.00, Air delivery minimum 210 Cum/Min , 350 RPM (tolerance as per IS : 374-2019),THD less than 10%, remote or electronic regulator unit for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 degree C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC Supply, earthing etc. complete as required.	Each	18	2,730.00		49,140.00	-
10	NSI-9	Supply Installation, Testing and Commissioning of 250 mm dia Domestic Exhaust Fan	Each	18		2,260.41		40,687.40
		TOTAL CARRIED TO SUMMARY FOR SUBHEAD - II					49,140.00	100,156.26
		SUBHEAD - III - DISTRIBUTION BOARDS						
1	DSR 2.3	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)						
1.1 1.2	DSR 2.3.1 DSR 2.3.2	6 way, Double door 8 way, Double door	Each Each	0	2206 2573		-	
1.2	DSR 2.3.2 DSR 2.3.3	12 way, Double door	Each	0	2373		-	
2	DSR 2.4	Supplying and fixing following way, three pole and neutral, sheet steel, MCB distribution board, 415 volts, on surface/ recess complete with tinned copper busbar, neutral busbar, earth bar, din bar, detachable gland plate, interconnections, phosphatized and powder painted including earthing etc. as required. (But without MCB/ RCCB/ Isolator)						
2.1	DCD 2 4 1	4 way (4 + 12), Double door	Each	06	4,091.00		- 29,844.00	
	DSR 2.4.1 DSR 2.4.2	6 way (4+18), Double door	Each					
2.2 2.3	DSR 2.4.1 DSR 2.4.2 DSR 2.4.3	6 way (4 + 18), Double door 8 way (4 + 24), Double door	Each	0	5,967.00		-	
2.2	DSR 2.4.2		Each				-	

3.1	DSR 2.5.3	12 way (4 + 36), Double door	Each	0	12833	_	
1	DSK 2.5.5	12 way (4 + 50), Double dool	Laci		12655		
4	DSR 2.10	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
4.1	2.10.1	Single Pole	Each	72	256	18,432.00	
4.2	2.10.2	Single Pole Neutral	Each	0	599	-	
5	DSR 2.12	Supplying and fixing following rating, double pole, 240 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
5.1	DSR 2.12.1	40 A	Each	0	435	-	
5.2	DSR 2.12.2	63 A	Each	0	527	-	
6	DSR 2.13	Supplying and fixing following rating, four pole, 415 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
6.1	DSR 2.13.1	25 A	Each	0	970	-	
6.1	DSR 2.13.1	40 A	Each	0	970	-	
6.2	DSR 2.13.2	63 A	Each	6	1034	6,204.00	
7	DSR 2.14	Supplying and fixing following rating, double pole, (single phase and neutral), 240 V, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
7.1	DSR 2.14.1	25 A	Each	0	2028	-	
7.2	DSR 2.14.2	40 A	Each	0	2642	-	
7.3	DSR 2.14.3	63 A	Each	18	2722	48,996.00	
8	DSR 2.11	Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as required.	Each	2	13	26.00	
		TOTAL CARRIED TO SUMMARY FOR SUBHEAD - III				103,502.00	-
VI		SUB HEAD-IV, LIGHTNING CONDUCTOR					
1	6.2	LIGHTNING CONDUCTOR Providing and fixing of lightning conductor finial, made of 25 mm dia 300 mm long, G.I. tube, having single prong at top, with 85 mm dia 6 mm thick G.I. base plate including holes etc. complete as required.	Each	4.0	518.00	2,072.00	
	6.2	LIGHTNING CONDUCTOR Providing and fixing of lightning conductor finial, made of 25 mm dia 300 mm long, G.I. tube, having single prong	Each	4.0	518.00	2,072.00	
1	-	LIGHTNING CONDUCTOR Providing and fixing of lightning conductor finial, made of 25 mm dia 300 mm long, G.I. tube, having single prong at top, with 85 mm dia 6 mm thick G.I. base plate including holes etc. complete as required.					
1	6.3	LIGHTNING CONDUCTOR Providing and fixing of lightning conductor finial, made of 25 mm dia 300 mm long, G.I. tube, having single prong at top, with 85 mm dia 6 mm thick G.I. base plate including holes etc. complete as required. Fixing of lightning conductor finial (single prong) with base plate including holes etc. complete as required. Jointing copper / G.I. tape (with another copper/ G I tape, base of the finial or any other metallic object) by riveting /	Each	4.0	360.00	1,440.00	
1 2 3	6.3	LIGHTNING CONDUCTOR Providing and fixing of lightning conductor finial, made of 25 mm dia 300 mm long, G.I. tube, having single prong at top, with 85 mm dia 6 mm thick G.I. base plate including holes etc. complete as required. Fixing of lightning conductor finial (single prong) with base plate including holes etc. complete as required. Jointing copper / G.I. tape (with another copper/ G I tape, base of the finial or any other metallic object) by riveting / nut bolting/ sweating and soldering etc as required. Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete	Each	4.0	360.00	1,440.00	
1 2 3 4	6.3 6.4 6.7	LIGHTNING CONDUCTOR Providing and fixing of lightning conductor finial, made of 25 mm dia 300 mm long, G.I. tube, having single prong at top, with 85 mm dia 6 mm thick G.I. base plate including holes etc. complete as required. Fixing of lightning conductor finial (single prong) with base plate including holes etc. complete as required. Jointing copper / G.I. tape (with another copper/ G I tape, base of the finial or any other metallic object) by riveting / nut bolting/ sweating and soldering etc as required. Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required. Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete	Each Metre Metre	4.0	360.00 113.00 126.00	1,440.00 1,130.00 7,560.00	
1 2 3 4 5	6.3 6.4 6.7 6.8	LIGHTNING CONDUCTOR Providing and fixing of lightning conductor finial, made of 25 mm dia 300 mm long, G.I. tube, having single prong at top, with 85 mm dia 6 mm thick G.I. base plate including holes etc. complete as required. Fixing of lightning conductor finial (single prong) with base plate including holes etc. complete as required. Jointing copper / G.I. tape (with another copper/ G I tape, base of the finial or any other metallic object) by riveting / nut bolting/ sweating and soldering etc as required. Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required. (For horizontal run) Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required. (For vertical run) Fixing of copper/ G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required. (For vertical run)	Each Metre Metre Metre	4.0 10.0 60.0 40.0	360.00 113.00 126.00 197.00	1,440.00 1,130.00 7,560.00 7,880.00	
1 2 3 4 5 6	6.3 6.4 6.7 6.8 6.10	LIGHTNING CONDUCTOR Providing and fixing of lightning conductor finial, made of 25 mm dia 300 mm long, G.I. tube, having single prong at top, with 85 mm dia 6 mm thick G.I. base plate including holes etc. complete as required. Fixing of lightning conductor finial (single prong) with base plate including holes etc. complete as required. Fixing of lightning conductor finial (single prong) with base plate including holes etc. complete as required. Jointing copper / G.I. tape (with another copper/ G I tape, base of the finial or any other metallic object) by riveting / nut bolting/ sweating and soldering etc as required. Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For horizontal run) Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For vertical run) Fixing of copper/ G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For vertical run) Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For vertical run) Fixing of copper/ G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For vertical run) Providing and fixing testing joint, made of 20 mm X 3 mm thick G.I. strip, 125 mm long, with 4 nos. of G.I. bolts,	Each Metre Metre Metre	4.0 10.0 60.0 40.0 20.0	360.00 113.00 126.00 197.00 162.00	1,440.00 1,130.00 7,560.00 7,880.00 3,240.00	
1 2 3 4 5 6 7	6.3 6.4 6.7 6.8 6.10 6.12	LIGHTNING CONDUCTOR Providing and fixing of lightning conductor finial, made of 25 mm dia 300 mm long, G.I. tube, having single prong at top, with 85 mm dia 6 mm thick G.I. base plate including holes etc. complete as required. Fixing of lightning conductor finial (single prong) with base plate including holes etc. complete as required. Fixing of lightning conductor finial (single prong) with base plate including holes etc. complete as required. Jointing copper / G.I. tape (with another copper/ G I tape, base of the finial or any other metallic object) by riveting / nut bolting/ sweating and soldering etc as required. Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For horizontal run) Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For vertical run) Fixing of copper/ G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For vertical run) Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For vertical run) Providing and fixing testing joint, made of 20 mm X 3 mm thick G.I. strip, 125 mm long, with 4 nos. of G.I. bolts, nuts, chuck nuts and spring washers etc. complete as required. Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke	Each Metre Metre Metre Each	4.0 10.0 60.0 40.0 20.0 20.0	360.00 113.00 126.00 197.00 162.00 121.00	1,440.00 1,130.00 7,560.00 7,880.00 3,240.00 2,420.00	
1 2 3 4 5 6 7 8	6.3 6.4 6.7 6.8 6.10 6.12 5.4	LIGHTNING CONDUCTOR Providing and fixing of lightning conductor finial, made of 25 mm dia 300 mm long, G.I. tube, having single prong at top, with 85 mm dia 6 mm thick G.I. base plate including holes etc. complete as required. Fixing of lightning conductor finial (single prong) with base plate including holes etc. complete as required. Fixing of lightning conductor finial (single prong) with base plate including holes etc. complete as required. Jointing copper / G.I. tape (with another copper/ G I tape, base of the finial or any other metallic object) by riveting / nut bolting/ sweating and soldering etc as required. Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required. (For horizontal run) Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required. (For vertical run) Fixing of copper/ G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required. (For vertical run) Providing and fixing testing joint, made of 20 mm X 3 mm thick G.I. strip, 125 mm long, with 4 nos. of G.I. bolts, nuts, chuck nuts and spring washers etc. complete as required. Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required. Details of cost for one Set	Each Metre Metre Metre Each	4.0 10.0 60.0 40.0 20.0 20.0	360.00 113.00 126.00 197.00 162.00 121.00	1,440.00 1,130.00 7,560.00 7,880.00 3,240.00 2,420.00	
1 2 3 4 5 6 7 8	6.3 6.4 6.7 6.8 6.10 6.12 5.4	LIGHTNING CONDUCTOR Providing and fixing of lightning conductor finial, made of 25 mm dia 300 mm long, G.I. tube, having single prong at top, with 85 mm dia 6 mm thick G.I. base plate including holes etc. complete as required. Fixing of lightning conductor finial (single prong) with base plate including holes etc. complete as required. Fixing of lightning conductor finial (single prong) with base plate including holes etc. complete as required. Jointing copper / G.I. tape (with another copper/ G I tape, base of the finial or any other metallic object) by riveting / nut bolting/ sweating and soldering etc as required. Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For horizontal run) Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For vertical run) Fixing of copper/ G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For vertical run) Providing and fixing testing joint, made of 20 mm X 3 mm thick G.I. strip, 125 mm long, with 4 nos. of G.I. bolts, nuts, chuck nuts and spring washers etc. complete as required. Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required. Details of cost for one Set Providing and fixing 25 mm X 5 mm G.I. strip in 40 mm dia G.I. pipe from earth electrode including connection	Each Metre Metre Metre Each	4.0 10.0 60.0 20.0 20.0 20.0	360.00 113.00 126.00 197.00 162.00 121.00 7,472.00	1,440.00 1,130.00 7,560.00 7,880.00 3,240.00 2,420.00 14,944.00	

	ESTIMATE OF FOR CONSTRUCTION OF ADDITIONAL DORMITOR <u>ABSTRAC</u>	<u>T OF COST</u>	<u> </u>	AT JN	V KUPWARA	, JAMMU AND KAS	HMIR
	<u> TYPE-II RESIDEN</u>	CES G+2, 6	<u>5 UNITS.]</u>				
S.N.	DESCRIPTION OF ITEM	DSR 2023	QUANTITY	UNIT	RATES	AMOUNT DSR ITEM	AMOUNT [M.R. ITEM]
Α	Earth Work						
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.						
	All kinds of soil	2.8.1	210.70	CUM	260.30	54,845.21	
2	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth,consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5 m.	2.25	179.10	CUM	196.00	35,102.62	
3	Extra for every additional lift of 1.5 m or part thereof in excavation /						
	banking excavated or stacked materials. All kinds of soil	2.26.1	52.68	CUM	126.80	6,679.82	
4	Supplying and filling in plinth with sand under floors, including watering, ramming ,consolidating and dressing complete.	2.27	6.44	CUM	2123.75	13,676.95	
5	Excavating, supplying and filling of local earth (including royalty) by mechanical transport upto a lead of 5km also including ramming and watering of the earth in layers not exceeding 20 cm in trenches, plinth, sides of foundation etc. complete.	2.25a	7.01	CUM	700.50	4,910.51	
B	Concrete Work						
6	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:5:10 (1 cement : 5 coarse sand (zoneIII)derived from natural sources : 10 graded stone aggregate 40 mm nominal size derived from natural sources)	4.1.10	16.98	CUM	6518.60	110,685.83	
7	Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 12.5mm nominal size derived from natural sources)	4.10	6.69	SQM	410.85	2,748.59	
8	Providing & applying a coat of residual petroleum bitumen of grade of VG-10 of approved quality using 1.7kg per square metre on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil.	4.13	6.69	SQM	146.15	977.74	
9	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources) over75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including necessary excavation, levelling & dressing & finishing the top smooth.	4.17	20.30	SQM	749.30	15,210.79	
10	Brick edging in full brick width and half brick depth including excavation refilling and disposal of surplus earth lead upto 50 metres. With common burnt clay F.P.S.(non modulur) bricks of class designation 75	16.7.1	33.84	RM	194.30	6,575.11	
C 11	Reinforced Cement Concrete Centering and shuttering including strutting, propping etc. and removal of form for all heights						
(a)	Foundations, footings, bases of columns, etc. for mass concrete.	5.9.1	65.61	SQM	392.15	25,728.96	
(b)	Suspended floors, roofs, landings, balconies and access platform.	5.9.3	311.83	SQM	927.25	289,144.37	
(c) (d)	Lintels, beams, plinth beams, girders, bressumers	5.9.5	187.65	SQM SOM	736.40	138,185.46	
(d) (e)	Columns, Pillars, Piers, Abutments, Posts and Struts. Edges of slabs and breaks in floors and walls Under 20 cm wide.	5.9.6 5.9.16.1	295.80 206.03	SQM RM	961.30 208.55	284,352.54 42,966.51	
12	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Thermo-						
13	Mechanically Treated bars of grade Fe-500D or more. Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level. Thermo- Mechanically Treated bars of grade Fe-500 D or more.	5.22.6 5.22.A.6	57.60	QTL.	10785.00	621,216.00	
14	Add for plaster drip course/ groove in plastered surface or moulding to R.C.C. projections.	5.30	318.28	RM	78.40	24,953.15	

15	Providing and laying in position ready mixed or site batched design mix cement						
	concrete for reinforced cement concrete work; using coarse aggregate and fine						
	aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland						
	/Portland Slag cement, admixtures in recommended proportions as per IS: 9103						
	to accelerate / retard setting of concrete, to improve durability and workability						
	without impairing strength; including pumping of concrete to site of laying,						
	curing, carriage for all leads; but excluding the cost of centering, shuttering,						
	finishing and reinforcement as per direction of the engineer-in-charge; for the						
	following grades of concrete.						
	Note: Extra cement up to 10% of theminimum specified cement content in design						
	mix shall be payable separately. In case the cement content in design mix is more						
	than 110% of the specified minimum cement content, the contractor shall have						
	discretion to either re-design the mix or bear the cost of extra cement.						
		5.33					
(I)	All works upto plinth level	5.33.1					
	Concrete of M25 grade with minimum cement	5 22 1 1					
	content of 330 kg /cum	5.33.1.1	41.00	CUDA	0504 75	207 209 55	
	(i) R.C.C. work in Footing	5.33.1.1 5.33.1.1	41.80 4.01	CUM CUM	9504.75 9504.75	397,298.55 38,114.05	
	(ii) R.C.C. work in Beam (iii) R.C.C. work in Columns	5.33.1.1	3.45	CUM	9504.75		
	(iii) K.C.C. WOIK III COIUIIIIIS	5.55.1.1	5.45	COM	950 4 ./3	32,791.39	
(II)	All works above plinth level upto floor V level	5.33.2					
(**)	Concrete of M25 grade with minimum cement content of 330 kg /cum	5.33.2.1					
	(i) R.C.C. work in Lintel	5.33.2.1	0.61	CUM	9860.40	6,014.84	
	(ii) R.C.C. work in Beam	5.33.2.1	11.75	CUM	9860.40	115,859.70	
	(iii) R.C.C. work in Columns	5.33.2.1	18.75	CUM	9860.40	184,882.50	
	(iv) R.C.C. work in Slab	5.33.2.1	25.26	CUM	9860.40	249,073.70	
n							
D	Masonry Work						
16	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level. : cement						
	mortar 1:4 (1 cement : 4 coarse sand)	6.13.2	181.42	Sqm	1123.80	203,879.80	
	mortai 1.7 (1 comont . 7 coarse sanu)	0.13.2	101.42	Squi	1120.00	203,077.00	
17	Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every						
	third course of half brick masonry.	6.15	181.42	SQM	104.80	19,012.82	
18	Brick work with non modular fly ash bricks conforming to IS:12894, class						
	designation 10 average compressive strength in super structure above plinth level						
	up to floor V level in : Cement mortar 1:6 (1 cement : 6 Coarse sand)						
		6.34.2	31.54	CUM	8752.55	276,055.43	
10	Deiale work with common burnt alor EDC (and an duta) builter C 1						
19	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:Cement mortar 1:6 (1 cement : 6						
	designation 7.5 in foundation and plinth in:Cement mortar 1:6 (1 cement : 6 coarse sand)	6.1.2	3.87	CUM	7132.25	27,601.81	
	vouroe suituj	5.1.2	5.07	0.0141	,	27,001.01	
Е	Cladding Work						
	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and						
	prepolished, machine cut for kitchen platforms, vanity counters, window sills ,						
	facias and similar locations of required size, approved shade, colour and texture						
	laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints						
	treated with white cement, mixed with matching pigment, epoxy touch ups,						
	including rubbing, curing, moulding and polishing to edges to give high gloss						
	finish etc. complete at all levels.						
		8.2					
	Granite stone slab colour black, Cherry/Ruby red	8.2.2			F 4 - 5		
20	Area of slab upto 0.50 sqm	8.2.2.1	1.38	SQM	5413.50	7,470.63	
21	Area of slab over 0.50 sqm Providing edge moulding to 18mm thick marble stone counters, Vanities etc.	8.2.2.2	10.44	SQM	5136.30	53,622.97	
22							
	including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge.	8.3					
	Granite work	8.3.2	13.80	RM	510.95	7,051.11	
						.,	
23	Extra for fixing marble /granite stone over and above corresponding basic item, in						
	facia and drops of width upto 150 mm with epoxy resin based adhesive including						
	cleaning etc. complete.	8.4	13.80	RM	568.55	7,845.99	
24	Extra for providing opening of required size & shape for wash basins/ kitchen						
	sink in kitchen platform, vanity counters and similar location in						
	marble/Granite/stone work including necessary holes for pillar taps etc. including	85	6.00	NO	978.70	5,872.20	
	moulding, rubbing and polishing of cut edges etc. complete.	8.5	0.00	NU	7/0./0	5,672.20	
25	Providing and fixing Ist quality ceramic glazed wall tiles conforming to IS: 15622						
20	(thickness to be specified by the manufacturer), of approved make, in all colours,						
	shades except burgundy, bottle green, black of any size as approved by Engineer-						
	in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement						
	mortar 1:3 (1 cement : 3 coarse sand) and jointing with grev cement shurry @						
	mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of						
	3.3kg per sqm, including pointing in white cement mixed with pigment of	8.31	49.38	SQM	1267.95	62,611.37	

F	Wood and PVC Work						
26	Providing and fixing ISI marked flush door shutters conforming to IS :2202 (Part						
	I) non-decorative type, core of block board construction with frame of 1st class						
	hard wood and well matched commercial 3 ply veneering with vertical grains or						
	cross bands and face veneers on both faces of shutters:						
	35 mm thick including ISI markedStainless Steel butt hinges with necessary						
	screws						
		9.21.1	69.72	SQM	2392.65	166,815.56	
27	Free for an idia line with 2nd also taken and hetters 25 mm minimum						
27	Extra for providing lipping with 2nd class teak wood battens 25 mm minimum						
	depth on all edges of flush door shutters (over all area of door shutter to be measured).	9.23	69.72	SQM	462.35	32,235.04	
	ineasureu).	9.25	07.12	5QM	402.55	52,255.04	
28	Providing and fixing M.S. grills of required pattern in frames of windows etc.						
	with M.S. flats, square or round bars etc. including priming coat with approved						
	steel primer all complete. Fixed to steel windows by welding.						
		9.48.1	54.72	KG	219.10	11,989.15	
29	Providing and fixing oxidised M.S. casement stays (straight peg type) with						
<i>(</i>)	necessary screws etc. complete.	0.69.1	54.00	NOC	(7.40	2 (20 (0	
(i)	300 mm weighing not less than 200 gms	9.68.1 9.68.2	54.00 12.00	NOS NOS	67.40 61.05	3,639.60 732.60	
(ii)	250 mm weighing not less than 150 gms	9.00.2	12.00	NO3	01.05	732.00	
30	Providing and fixing aluminium hanging floor door stopper ISI marked anodised						
50	(anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to						
	required colour or shade with necessary screws etc. complete. Twin rubber						
	stopper	9.101.2	45.00	NOS	72.35	3,255.75	
					. =	5,200.10	
31	Providing and fixing factory made door frame (single rebate) made out of single						
	piece extruded solid PVC foam profile with homogenous fine cellular structure						
	having smooth outer integral skin having 62 mm width & 32 mm thickness,						
	frame will be mitred & Jointed with self driven self tapping screws of size 38 mm						
	x 4 mm & PVC solvent cement, including fixing the frame to wall with suitable						
	dia & length anchor fastener as per manufacturer's specification and direction of						
	Engineer-in-charge.						
		9.123	59.40	RM	696.00	41,342.40	
32	Providing & Fixing decorative high pressure laminated sheet of plain / wood grain						
	in gloss / matt/ suede finish with high density protective surface layer and reverse						
	side of adhesive						
	bonding quality conforming to IS : 2046 Type S, including cost of adhesive of approved quality. 1.0 mm thick	9.127.2	18.90	SQM	897.30	16,958.97	
	approved quality. 1.0 mm unck	9.127.2	10.50	5QIII	077.50	10,550.57	
33	Providing and fixing wire gauge shutters using stainless steel grade 304 wire						
	gauge with wire of dia 0.5 mm and average width of aperture 1.4 mm in both						
	directions for doors, windows and clerestory windows with necessary screws : 30						
	mm thick shutters With ISI marked stainless steel butt hinges of required size						
	Kiln seasoned and chemically treated hollock wood	9.134.2.2.2	11.34	SQM	3619.60	41,046.26	
24	Descriptions and fining for most statistics start and 204						
34	Providing and fixing fly proof stainless steel grade 304 wire gauge, to windows						
	and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of dia 0.50 mm all complete With 12 mm mild steal						
	in both directions with wire of dia. 0.50 mm all complete.With 12 mm mild steel U beading	0 125 2	50.22	SOM	1228 10	71 (22 70	
	U beaung	9.135.2	58.32	SQM	1228.10	71,622.79	
35	Providing and fixing bright /matt finished Stainless Steel handles of approved						
55	quality & make with necessary screws etc all complete. (a) 125 mm.						
	quanty of make with necessary serves etc an complete. (a) 125 mm.	9.165.1	90.00	NOS	119.20	10,728.00	
36	Providing & fixing Stainless steel sliding door bolts ISI marked anodised (anodic						
	coating not less than grade AC 10 as per IS : 1868) transparent or dyed to						
	required colour or shade with nuts and screws etc complete. (a) 250mm x 16mm .						
	-	M.R.	45.00	NOS	560.00		25,200.00
37	Providing and fixing stainless steel towerbolts (barrel type) with necessary screws						
	etc. complete. 300 x 10mm	M.R.	45.00	NOS	448.00		20,160.00
	150 x 10mm	M.R.	45.00	NOS	392.00		17,640.00
							17,010.00
G	Steel Work						
38	Providing and fixing factory made ISI marked steel glazed doors, windows and						
	ventilators, side /top /centre hung, with beading and all members such as F7D,						
	F4B, K11 B and K12 B etc. complete of standard rolled steel sections, joints						
	mitred and flash butt welded and sash bars tenoned and riveted, including						
	providing and fixing of hinges, pivots, including priming coat of approved steel						
	primer, but excluding the cost of other fittings, complete all as per approved						
	design, (sectional weight of only steel members shall be measured for payment).						
				1			
	Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block						
	15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate						
		10.11.1	622.08	KG	131.05	81,523.58	

39	Providing and fixing T-iron frames for doors, windows and ventilators of mild steel Tee-sections, joints mitred and welded, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate						
	20 mm nominal size	10.13.1	640.80	KG	141.70	90,801.36	
40	Providing and fixing M.S. Tubular frames for doors, windows, ventilators and cupboard with rectangular/ L-Type sections, made of 1.60 mm thick M.S. Sheet, joints mitred, welded and grinded finish, with profiles of required size, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer. Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)						
		10.15.1	1271.07	Kg	195.20	248,112.86	
41	SS RALING Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners, stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge.						
		10.28.1	166.68	KG	772.40	128,743.63	
42	Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with : 4.0 mm thick glass panes.	10.30.1	64.92	SQM	1064.65	69,117.08	
H 42	Flooring Kata stone slob flooring over 20 mm (everges) thick base laid over and isinted						
43	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) : 25 mm thick	11.26.1	28.70	SQM	1948.25	55,914.78	
44	Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete.	11.27	9.59	SQM	2354.70	22,581.57	
45	Providing and laying Vitrified tiles in floor in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid on 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) jointing with grey cement slurry @3.3 kg/sqm including grouting the joints with white cement and matching pigments etc. The tiles must be cut with the zero chipping diamond cutter only . Laying of tiles will be done with the notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet for placing the tiles gently and easily.Glazed Vitrified tiles Matt/Antiskid finish of size Size of Tile 600 x 600 mm						
		11.41A.3.1	28.68	SQM	1464.85	42,011.90	
46	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including grouting the joints with white cement and matching pigments etc., complete.size of tile 600x600 mm						
		11.41.2	200.85	SQM	1553.45	312,010.43	
47	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including grouting the joint with white cement						
	& matching pigments etc. complete.size of tile 600x600 mm	11.46.2	31.95	SQM	1623.05	51,856.45	
		11.46.2	31.95	SQM	1623.05	51,856.45	
<u>I</u> 48	& matching pigments etc. complete.size of tile 600x600 mm Finishing 15 mm cement plaster on the rough side of single or half brick wall of mix : 1:6	11.46.2	31.95	SQM	1623.05	51,856.45	

					y Rs. In Lacs	143.64	1.85
					ST OF 13 Qtr	14,364,221.44	184,665.35
					OST OF 6 Qtrs	6,629,640.66 1,104,940.11	85,230.10 14,205.03
					Total	6,629,640.66	85,230.10
00	r roviding and mining of AAC Lightweight broken blocks sunken portions.	WI.IX.	5.58		132.00		22,230.10
60	Providing and filling of AAC Lightweight Broken Blocks sunken portions.	M.R.	5.38	CUM	4132.00		22,230.10
59	Providing and laying brick tiles over mumty roofs, grouted with cement mortar 1:3 (1 cement : 3 fine sand) mixed with 2% of integral water proofing compound by weight of cement, over 12 mm layer of cement mortar 1:3 (1 cement : 3 fine sand) and finished neat: With common burnt clay F.P.S. (non modular) brick tiles of class designation 10	12.19	78.85	SQM	607.40	47,893.49	
50		14.86	78.85	SQM	730.55	57,603.87	
	sandwiched on both sides with polymeric mix and the polymeric mix is protected on both side with 20 micron HMHDPE film. 7th, the top most layer shall be finished with brick tiles of class designation 10 grouted with cement mortar 1:3 (1cement : 3 fine sand) mixed with 2% integral water proofing compound by weight of cement over a 12 mm layer of cement mortar 1:3 (1 cement : 3 fine sand) and finished neat (item of laying brick tiles shall be paid for separately).						
58	Providing and laying in situ seven course water proofing treatment with APP (Atactic poly-propylene) modified Polymeric memberane over roof consisting of first coat of bitumen primer @ 0.40 litre per sqm, 2nd, 4th & 6th courses of bonding material @ 1.20 Kg/sqm, which shall consist of blown type bitumen of grade 85/25 conforming to IS : 702, 3rd and 5th layers of roofing membrane APP modified Polymeric membrane 1.5 mm thick of 2.25 Kg/sqm weight consisting of five layers prefabricated with centre core as 20 micron HMHDPE film sandwiched on both sides with polymeric mix and the polymeric mix is protected						
		22.5	20.68	SQM	617.05	12,760.59	
57	Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with water proofing cement compound consisting of applying : a) First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/sqm. This layer will be allowed to air cure for 4 hours. b) Second layer of slurry of cement @ 0.242 kg/sqm mixed with water proofing cement compound @ 0.126 kg/sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours. The rate includes preparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry.						
J	Water Proofing						
56	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	13.80	311.83	SQM	156.05	48,661.07	
55	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade: Two or more coats on new work.	13.61 13.61.1	456.61	SQM	155.90	71,185.50	
	manufacture on steel galvanised iron/steel works.	13.50.3	306.92	SQM	67.40	20,686.41	
54	resinous wood and plywood With ready mixed red oxide zink chromate primer of approved brand and	13.50.2	149.69	SQM	74.65	11,174.36	
53	Steel Painting:Applying priming coat With ready mixed aluminium primer of approved brand and manufacture on uninequed and hermoid	13.50					
	sqm. over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm).	13.47.1	779.48	SQM	171.10	133,369.03	
52	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade. New work (Two or more coats applied @ 1.43 ltr/10 com ouver and including mining acret of exterior amplied @ 2.20 kg/10						
51	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade : New work (two or more coats) over and including water thinnable priming coat with cement primer.	13.41.1	1301.37	SQM	185.65	241,599.34	
50	6 mm cement plaster on celling (a) 1:3(1 cement:3 fine sand)	13.16.1	43.48	SQM	300.45	13,063.57	
	and smooth no extra for mixing any additive. 1:6 (1 cement: 6 coarse sand)	13.4.2	989.54	SQM	343.65	340,055.42	
	12mm cement plaster in single coat on fair side of single or half brick wall for exterior plastering up to floor two level including internal rounded angles chamfers, and/or rounded angles not exceeding 80mm in girth and finished even						

ESTIMATE OF FOR CONSTRUCTION OF ADDITIONAL DORMITORY & STAFF QUARTERS AT JNV **KUPWARA, JAMMU AND KASHMIR** PLUMBING INTERNAL ESTIMATE (Type-2,6 Nos.) G+2 Sl. No. Description Amount DSR Items -2023 **NS Items** Sanitary Installation 569,112.35 37,092.00 1 2 Water Supply 302,067.55 87,271.00 3 Drainage 81,810.98 23,220.00 Total 952,990.88 147,583.00 158,831.81 24,597.17 COST OF 1 Qtr COST OF 13 Qtr 2,064,813.57 319,763.17 Say Rs. In Lacs 20.65 3.20

		TE OF FOR CONSTRUCTION OF ADDITIONAL DORMITORY & STAFF QUARTERS PLUMBING INTERNAL ESTIMATE (Type-2,6 Nos.)				
S.No.	DSR '23	Description	Rate	Unit	Qty A	mount Amount
		Sub Head – I Sanitary Installation				
1.1	17.1	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures				
	17.1.1	complete, including cutting and making good the walls and floors wherever required:. White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests.				
	17.1.1		6,767.40	each	6	40,604.40
1.2	17.3	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required :				
	17.3.1	W.C. pan with ISI marked white solid plastic seat and lid	8,006.60	each	6	48,039.60
1.3	17.81	Providing and fixing floor mounted, white vitreous china single piece, double traps syphonic water closet of approved brand/make, shape, size and pattern including integrated white vitreous china cistern of capacity 10 litres with dual flushing system, including all fittings and fixtures with seat cover, cistern fittings, nuts, bolts and gasket etc including making connection with the existing P/S trap, complete in all respect as per directions of Engineer-in-Charge.	18,212.90	each	0	
			18,212.90	each	0	-
1.4	17.80	Providing and fixing white vitreous china battery based infrared sensor operated urinal of approx. size 610 x 390 x 370 mm having pre & post flushing with water (250 ml & 500 ml consumption), having water inlet from back side, including fixing to wall with suitable brackets all as per manufacturers specification and direction of Engineer-in-charge.	7,979.20	each	0	_
			1,979120	ouon		
1.5	17.7	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:				
1.5.1	17.7.3	White Vitreous China Wash basin size 550x400 mm with a pair of 15 mm C.P. brass pillar taps	2,301.75	each	12.00	27,621.00
1.6	NSI-1	Providing and fixing white vitreous china wash basin under counter basin, with C.I. concealed type brackets fixed to walls with GI rag bolts or approved fasteners etc., including 32 mm CP brass waste coupling, including painting of fittings and brackets, cutting and making good the walls wherever required all complete (Granite counter top will be measured and paid separately				
	15.01	under relevent item): as per approved make and decision of engineer-in-charge	4,689.00	each	0	-
1.7	17.34 17.34.1	Providing and fixing toilet paper holder : C.P. brass	803.70	each	0	-
1.8	NSI-2	Providing and fixing CP brass auto closing system basin pillar tap / hand wash of Jaquar PRS - 001 or Equivalent as approved by Engineer- In Charge	5,092.00	each	0	_
1.9	NSI-3	Providing and fixing CP brass single lever basin mixer without popo with 450mm long braided hose (connection pipe) basin pillar tap of Jaquar LYR-38001B or Equivalent as approved by Engineer- In Charge.	7,406.00	each	0	-
1.10	17.22A	Providing and fixing 32mm C.P brass bottle Trap of approved quality & make as per the direction of engineer-in-incharge.	1,034.80	each	12	12,417.60
1.11	17.31	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	1,607.95	Sqm	12	19,295.40
1.12	17.10	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS : 13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required :				
	17.10.1 17.10.1.1	Kitchen sink with drain board 510x1040 mm bowl depth 250mm	6945.60	each	0	-
	17.10.2	Kitchen sink without drain board				
	17.10.2.2	610x460 mm bowl depth 200 mm	3,873.80	each	6	23,242.80
1.13	17.11	Providing and fixing white vitreous china laboratory sink with C.I. brackets, C.P. brass chain with rubber plug, 40 mm C.P brass waste and 40mm C.P. brass trap with necessary C.P. brass unions complete, including painting of fittings and brackets, cutting and making good the wall				
	17.11.1	wherever reauired : Size 450x300x150 mm	5,020.85	each	0	-
1.14	17.28	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.				
	17.28.2 17.28.2.2	Flexible pipe 40 mm dia	119.55	each	6	717.30
1.15	17.35	Providing and fixing soil, waste and vent pipes :				
	17.35.1 17.35.1.3	100 mm dia Hubless centrifugally cast (spun) iron pipes epoxy coated inside & outside IS:15905	1,169.30	meter	144	168,379.20
1.16	17.38	Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete.				
	17.38.1	100 mm	5/7 00	1	10	10.000.00
	17.38.1.3	Hubless centrifugally cast (spun) iron epoxy coated inside & outside I.S. 15905	567.20	each	18	10,209.60
1.17	17.39 17.39.1	Providing and fixing plain bend of required degree. 100 mm				
1.18	17.39.1.3 17.40 17.40.1	Hubless centrifugally cast (spun) iron pipe epoxy inside & outside IS: 15905 Providing and fixing heel rest sanitary bend 100 mm dia	368.00	each	30	11,040.00
	17.40.1	Sand cast iron S&S as per IS - 3989	548.70	each	8	4,389.60

		TE OF FOR CONSTRUCTION OF ADDITIONAL DORMITORY & STAFF QUARTERS A PLUMBING INTERNAL ESTIMATE (Type-2,6 Nos.)	G+2			
S.No.	DSR '23	Description	Rate	Unit	A Oty	Amount Amount
					Ųţ	Amount
1.19	17.42 17.42.1	Providing and fixing double equal plain junction of required degree 100x100x100x100 mm				
	17.42.1.3	Hubless centrifugally cast (spun) iron pipe epoxy inside & outside IS: 15905	760.70	each	6	4,564.20
		Providing and fixing single equal plain junction of required degree with access door, insertion				
1.20	17.43	rubber washer 3 mm thick, bolts and nuts complete.				
	17.43.1	100x100x100 mm	025 70	1	0	
	17.43.1.2	sand cast Iron S&S as per IS: 3989	925.70	each	0	-
1.21	17.44	Providing and fixing single equal plain junction of required degree				
	17.44.1 17.44.1.3	100x100x100 mm Hubless centrifugally cast (spun) iron pipe epoxy inside & outside IS: 15905	581.45	each	0	-
1.22	17.56 17.56.1	Providing and fixing terminal guard: 100 mm				
	17.56.1.3	Hubless centrifugally cast (spun) iron pipe epoxy inside & outside IS: 15905	427.80	each	8	3,422.40
1.23	17.57A	Providing and fixing shielded coupling for Hubless centrifugally cast iron pipes				
1120	17.57A.1	100 mm				
	17.57A.1.1	S S 304 grade coupling with EPDM rubber gasket	432.05	each	150	64,807.50
1.24	17.59	Providing and fixing M.S. stays and clamps for sand cast iron/centrifugally cast (spun) iron				
1.24	17.59.1	pipes of diameter : 100 mm	139.70	each	0	-
	17.59.1	100 mm	139.70	each	0	-
		Painting sand cast iron/ centrifugally cast (spun) iron soil, waste vent pipes and fittings with two				
1.25	17.65	coats of synthetic enamel paint of any colour such as chocolate grey, or buff etc. over a coat of primer (of approved quality) for new work :				
	17.65.1	100 mm diameter pipe	82.80	meter	96	7,948.80
		Desition of Control of the second desired Control of the				
		Providing and fixing M.S. holder-bat clamps of approved design to Sand Cast iron/cast iron (spun) pipe embedded in and including cement concrete blocks 10x10x10cm of 1:2:4 mix (1				
1.26	17.37	cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) including cost of cutting				
	17.37.1	holes and making good the walls etc. : 100 mm diameter pipe	362.85	each	96	34,833.60
	17.57.1		502.05	caen	70	54,055.00
1.27	18.10	Providing and fixing G.I. soil / waste pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc.				
	18.10.4	32 mm dia. nominal bore	667.00	metre	15	10,005.00
	18.10.5	40 mm dia. nominal bore	811.90	metre	10	8,119.00
	18.10.6	50 mm dia. nominal bore	1,048.35	metre	15	15,725.25
		Providing and fixing trap of self cleansing design with screwed down or hinged grating with or				
1.28	17.60	without vent arm complete, including cost of cutting and making good the walls and floors :				
	17.60.1	100 mm inlet and 100 mm outlet				
	17.60.1.3	Hubless centrifugally cast (spun) iron epoxy				
		coated inside & outside as per IS:15905	854.55	each	18	15,381.90
		Cutting holes up to 15 x 15 cm in R.C.C. floors and roofs for passing drain pipe etc. and				
1.29	18.77	repairing the hole after insertion of drain pipe etc. with cement concrete 1:2:4 (1 Cement : 2				
		course sand : 4 graded stone aggregate 20 mm nominal size), including finishing complete so as to make it leak proof.	452.00	each	0	-
1.30	NSI-4	Providing & fixing in position GI 100x50 elbow floor drain including cost of cutting and making good the walls and floors wherever required.	1,541.00	each	12	18,492.00
		making good the wans and noors wherever required.	1,541.00	caen	12	10,492.00
1.31	NSI-5	Providing and fixing 125 mm dia S/S grating (with or without hole)for floor or Nahani	620.00	aaah	20	18,600.00
		trap.	620.00	each	30	18,600.00
1.32	NSI-6	Providing and fixing soap dish holder from wall of standard shape with fittings of approved				
1.02	1151-0	quality with all complete. Make Jaquar - ACN-1131N & Equivalent	1,159.00	each	0	-
		Providing and fixing soap dispenser with glass bottle from wall of standard shape with fittings				
1.33	NSI-7	of approved quality with all complete. Make Jaquar - ACN-1135N & Equivalent				
			2,095.00	each	0	-
		Providing & fixing 600 mm towel rail long stanless steel from wall face with concealed				
1.34	NSI-8	fittings arrangement of approved quality with all complete. Make Jaquar - CAN-1111SM	2,025.00	each	0	
			2,025.00	cacii	0	-
	40.67	Providing and fixing PTMT soap Dish Holder having length of 138mm, breadth 102mm, height				
1.35	18.65	of 75mm with concealed fitting arrangements, weighing not less than 106 gms.	111.45	each	12	1,337.40
136	17.73	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour.				
150	11.13	or as servers with conceased metings arrangement of approved quality and colour.				
	17.73.2	600 mm long towel rail with total length of 645 mm, width 78 mm and effective height of 88	700 05		12	0 507 40
	<u> </u>	mm, weighing not less than 190 gms.	708.95	each	12	8,507.40
		Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1				
1.37	12.22	cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1				
1.5/	14.44	m x1 m x 400 micron, finished with 12 mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete.				
			298.25	each	4	1,193.00
		Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS :				+
1.38	12.41.2	13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for				
1.00	14.71.4	thermal expansion,		1		1
		(i) Single socketed pipes. 110 mm dia	377.40	metre	40	15,096.00

S.No.		PLUMBING INTERNAL ESTIMATE (Type-2,6 Nos.) G	+2			
	DSR '23	Description	Rate	Unit	At Oty	mount Amount
1.39	12.42	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion.			~~~	
	12.42.1 12.42.1.2	Coupler 110 mm	136.15	each	20	2,723.00
	12.42.3	Single tee with door				
	12.42.3.2 12.42.5	110x110x110 mm Bend 87.5°	234.15	each	4	936.60
	12.42.5.2	110 mm	150.35	each	4	601.40
	12.42.6	Shoe (Plain) 110 mm Shoe	131.85	each	4	527.40
1.40	12.43	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50 mm hard wood plugs, screwed with M.S. screws of required length, including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete.	191109			
	12.43.2	110 mm	371.30	each	20	7,426.00
1.41	NSI-9	Supplying and fixing of HDPE pipe (PE grade 63 - PN-8) confirming to IS 14333-1996 chemical waste pipes jointed with rubber ring with good quality lubricant with fittings inclussive of all necessary specials like bends, tees, offsets,junctions etc laid under floor/under ceiling/on walls with suitable clamps and specials curing, necessary chasing, jointing and restoring to original conditions, testing etc. including all other incidental charges etc. complete for successful completion of work as per specifications, and as directed by Engineer -in- Charge				
	a) b)	110 mm outer dia 50 mm outer dia	1,543.00 558.00	metre metre	0	-
1.42	NSI-10	Providing & fixing in position upvc P"or S" trap of self cleaning design of following sizes for the embedded areas Making proper connection with chemical sealent joint, cutting chase / hole in floors /slabs and bringing the same in proper condition in cement concrete 1:2:4 mix complete as required, including cost of cutting and making good the walls and floors wherever required.	627.00	each	0	-
1.43	NSI-11	Providing & Fixing water cooler wth stainless steel having storage capacity of 80 liter & cooling capacity 60 liter / hour with Reverse osmosis system & ultra voilet membrane TDS reduction 90% having automatic back wash system with filteration unit & all other required accessories complete in all respect as per direction of the engineer in charge .	65,604.00	each	0	-
		TOTAL			836.00	606,204.35
		DSR Items				569,112.35 37,092.00
		110				51,072.00
2.1	18.10	Sub Head – II Water Supply Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc. Internal work – Exposed on wall.				
	18.10.2	20 mm nominal outer dia Pipes	437.30	metre	15	6,559.50
	18.10.3 18.10.4	25 mm nominal outer dia Pipes 32 mm nominal outer dia Pipes	551.70 667.00	metre	15 25	8,275.50 16,675.00
	18.10.4	40 mm nominal outer dia Pipes	811.90	metre	30	24,357.00
				metre	50	
	18.10.6	50 mm nominal outer dia Pipes	1,048.35	metre metre	0	-
	NSI-12a	50 mm nominal outer dia Pipes 65 mm nominal outer dia Pipes	1,048.35 1,084.00	metre metre	0 0	· · · · · ·
2.2		50 mm nominal outer dia Pipes	1,048.35	metre	0	-
2.2	NSI-12a NSI-12b 18.8	50 mm nominal outer dia Pipes 65 mm nominal outer dia Pipes 80 mm nominal outer dia Pipes 90 mm nominal outer dia Pipes 91 mm nominal outer dia Pipes 92 mm nominal outer dia Pipes 93 mm nominal outer dia Pipes 94 mm nominal outer dia Pipes 95 mm nominal outer dia Pipes 95 mm nominal outer dia Pipes 95 mm nominal outer dia Pipes 96 mm nominal outer dia Pipes 97 oviding and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for 104 k cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed including cutting chases and making good the wall etc.	1,048.35 1,084.00 1,276.00	metre metre metre	0 0 0	
2.2	NSI-12a NSI-12b	50 mm nominal outer dia Pipes 65 mm nominal outer dia Pipes 80 mm nominal outer dia Pipes Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge.	1,048.35 1,084.00	metre metre	0 0	29,030.40
2.2	NSI-12a NSI-12b 18.8 18.82	50 mm nominal outer dia Pipes 65 mm nominal outer dia Pipes 80 mm nominal outer dia Pipes Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, <i>i/c</i> fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed including cutting chases and making good the wall etc. 15 mm nominal outer dia Pipes	1,048.35 1,084.00 1,276.00 537.60	metre metre metre	0 0 54	
2.2	NSI-12a NSI-12b 18.8 18.8 18.8.2 18.8.3 18.8.4 18.17	50 mm nominal outer dia Pipes 65 mm nominal outer dia Pipes 80 mm nominal outer dia Pipes Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed including cutting chases and making good the wall etc. 15 mm nominal outer dia Pipes 20 mm nominal outer dia Pipes 25 mm nominal outer dia Pipes 25 mm nominal outer dia Pipes 25 mm nominal outer dia Pipes 26 mm nominal outer dia Pipes 27 mm nominal outer dia Pipes 28 mm nominal outer dia Pipes 29 mm nominal outer dia Pipes 20 mm nominal outer dia Pipes	1,048.35 1,084.00 1,276.00 537.60 627.25 739.30	metre metre metre metre metre	0 0 0 54 45 36	29,030.40 28,226.25 26,614.80
	NSI-12a NSI-12b 18.8 18.8 18.8.2 18.8.3 18.8.4	50 mm nominal outer dia Pipes 65 mm nominal outer dia Pipes 80 mm nominal outer dia Pipes 9 roviding and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, <i>i/c</i> fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed including cutting chases and making good the wall etc. 15 mm nominal outer dia Pipes 20 mm nominal outer dia Pipes 25 mm nominal outer dia Pipes	1,048.35 1,084.00 1,276.00 537.60 627.25	metre metre metre metre	0 0 0 54 45	29,030.40 28,226.25 26,614.80 9,719.10
	NSI-12a NSI-12b 18.8 18.8 18.8.2 18.8.3 18.8.4 18.17 18.17,14 18.17,14	50 mm nominal outer dia Pipes 65 mm nominal outer dia Pipes 80 mm nominal outer dia Pipes 90 roviding and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fitting with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed including cutting chases and making good the wall etc. 15 mm nominal outer dia Pipes 20 mm nominal outer dia Pipes 25 mm nominal outer dia Pipes 20 mm nominal outer dia Pipes 20 mm nominal outer dia Pipes 25 mm nominal outer dia Pipes 20 mm dia. nominal bore 25 mm dia. nominal bore 25 mm dia. nominal bore	1,048.35 1,084.00 1,276.00 537.60 627.25 739.30 539.95 622.40 689.60	metre metre metre metre metre metre metre each each	0 0 0 54 45 36 18	29,030.40 28,226.25 26,614.80 9,719.10 3,734.40 1,379.20
	NSI-12a NSI-12b 18.8 18.8 18.8.2 18.8.3 18.8.4 18.17 18.17 18.17.1A	50 mm nominal outer dia Pipes 65 mm nominal outer dia Pipes 80 mm nominal outer dia Pipes Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed including cutting chases and making good the wall etc. 15 mm nominal outer dia Pipes 20 mm nominal outer dia Pipes 25 mm nominal outer dia Pipes 25 mm nominal outer dia Pipes 20 mm dia, nominal outer dia Pipes 21 mm dia, nominal bore 23 mm dia, nominal bore 23 mm dia, nominal bore 32 mm dia, nominal bore 32 mm dia, nominal bore	1,048.35 1,084.00 1,276.00 537.60 627.25 739.30 539.95 622.40	metre metre metre metre metre metre metre each	0 0 0 54 45 36 18 6	29,030.40 28,226.25 26,614.80 9,719.10 3,734.40 1,379.20
	NSI-12a NSI-12b 18.8 18.8 18.8.3 18.8.3 18.8.4 18.17 18.17.1A 18.17.1A 18.17.1A 18.17.1A	50 mm nominal outer dia Pipes 65 mm nominal outer dia Pipes 80 mm nominal outer dia Pipes 9 nominal outer dia Pipes 0 nominal outer dia Pipes 20 nominal outer dia Pipes 25 mm nominal outer dia Pipes 20 nominal outer dia Pipes 25 mm dia. nominal bore 25 mm dia. nominal bore 32 mm dia. nominal bore 32 mm dia. nominal bore 32 mm dia. nominal bore 35 mm dia. nominal bore 30 mm dia. nominal bore 31 mm dia. nominal bore 32 mm dia. nominal bore 33 mm dia. nominal bore 34 mm dia. nominal bore 35 mm dia. nominal bore	1,048.35 1,084.00 1,276.00 537.60 627.25 739.30 539.95 622.40 689.60 826.10	metre metre metre metre metre each each each	0 0 0 54 45 36 18 6 2 1	29,030.40 28,226.25 26,614.80 9,719.10 3,734.40 1,379.20 826.10
2.3	NSI-12a NSI-12b 18.8 18.8 18.8.3 18.8.3 18.8.4 18.17 18.17.1A 18.17.1A 18.17.1A 18.17.1A	50 mm nominal outer dia Pipes 65 mm nominal outer dia Pipes 80 mm nominal outer dia Pipes 9 moninal outer dia Pipes 9 on moninal outer dia Pipes 20 mm nominal outer dia Pipes 22 mm dia. nominal bore 23 mm dia. nominal bore 24 mm dia. nominal bore 32 mm dia. nominal bore 34 mm dia. nominal bore 35 mm dia. nominal bore 50 mm dia. nominal	1,048.35 1,084.00 1,276.00 537.60 627.25 739.30 539.95 622.40 689.60 826.10	metre metre metre metre metre each each each	0 0 0 54 45 36 18 6 2 1	29,030.40 28,226.25 26,614.80 9,719.10 3,734.40 1,379.20 826.10
	NSI-12a NSI-12b 18.8 18.8 18.8.3 18.8.3 18.8.4 18.17 18.17.1 18.17.1 18.17.3 18.17.3 18.17.3	50 mm nominal outer dia Pipes 65 mm nominal outer dia Pipes 80 mm nominal outer dia Pipes 9 nominal outer dia Pipes 0 nominal outer dia Pipes 20 nominal outer dia Pipes 25 mm nominal outer dia Pipes 20 nominal outer dia Pipes 25 mm dia. nominal bore 25 mm dia. nominal bore 32 mm dia. nominal bore 32 mm dia. nominal bore 32 mm dia. nominal bore 35 mm dia. nominal bore 30 mm dia. nominal bore 31 mm dia. nominal bore 32 mm dia. nominal bore 33 mm dia. nominal bore 34 mm dia. nominal bore 35 mm dia. nominal bore	1,048.35 1,084.00 1,276.00 537.60 627.25 739.30 539.95 622.40 689.60 826.10	metre metre metre metre metre each each each	0 0 0 54 45 36 18 6 2 1	29,030.40 28,226.25 26,614.80 9,719.10 3,734.40 1,379.20 826.10
2.3	NSI-12a NSI-12b 18.8 18.8 18.8.3 18.8.3 18.8.4 18.17 18.17.1 18.17.1 18.17.3 18.17.3 18.17.4 18.17.4	50 mm nominal outer dia Pipes 65 mm nominal outer dia Pipes 80 mm nominal outer dia Pipes Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed including cutting chases and making good the wall etc. 15 mm nominal outer dia Pipes 20 mm nominal outer dia Pipes 25 mm nominal outer dia Pipes 25 mm dia. nominal bore 25 mm dia. nominal bore 32 mm dia. nominal bore 32 mm dia. nominal bore 32 mm dia. nominal bore 40 mm dia. nominal bore 50 mm dia. nominal bore	1,048.35 1,084.00 1,276.00 537.60 627.25 739.30 539.95 622.40 689.60 826.10 1,026.65	metre metre metre metre metre metre each each each each each	0 0 0 54 45 36 18 6 2 1 0	29,030.40 28,226.25 26,614.80 9,719.10 3,734.40 1,379.20 826.10 - - 2,784.30
2.3	NSI-12a NSI-12b 18.8 18.8 18.8.3 18.8.3 18.8.4 18.17 18.17.1 18.17.1 18.17.1 18.17.3 18.17.4 18.17.3 18.17.4 18.18.18.3	50 mm nominal outer dia Pipes 65 mm nominal outer dia Pipes 80 mm nominal outer dia Pipes Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed including cutting chases and making good the wall etc. 15 mm nominal outer dia Pipes 20 mm nominal outer dia Pipes 25 mm dia. nominal bore 25 mm dia. nominal bore 25 mm dia. nominal bore 32 mm dia. nominal bore 32 mm dia. nominal bore 40 mm dia. nominal bore 25 mm dia. nominal bore 26 mm dia nominal bore 27 mm dia. nominal bore 32 mm dia. nominal bore 30 mm di	1,048.35 1,084.00 1,276.00 537.60 627.25 739.30 539.95 622.40 689.60 826.10 1,026.65 464.05	metre metre metre metre metre metre each each each each each each	0 0 0 54 45 36 18 6 2 1 0 0	29,030.40 28,226.25 26,614.80 9,719.10 3,734.40 1,379.20 826.10
2.3	NSI-12a NSI-12b 18.8 18.8 18.8.3 18.8.4 18.17 18.17.1 18.17.1 18.17.3 18.17.3 18.17.4 18.17.3 18.17.4 18.18.3 NSI-13	50 mm nominal outer dia Pipes 65 mm nominal outer dia Pipes 80 mm nominal outer dia Pipes 80 mm nominal outer dia Pipes Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed including cutting chases and making good the wall etc. 15 mm nominal outer dia Pipes 20 mm nominal outer dia Pipes 20 zon mominal outer dia Pipes 25 mm nominal outer dia Pipes 22 mm nominal outer dia Pipes 25 mm dia. nominal bore 23 mm dia. nominal bore 25 mm dia. nominal bore 32 mm dia. nominal bore 32 mm dia. nominal bore 32 mm dia. nominal bore 40 mm dia. nominal bore 32 mm dia. nominal bore 25 mm dia. nominal bore 32 mm dia. nominal bore 26 mm dia. nominal bore 37 mm dia. nominal bore 27 mm dia. nominal bore 37 mm dia. nominal bore 28 mm dia. nominal bore 37 mm dia. nominal bore 29 mm dia. nominal bore 30 mm dia. nominal bore 20 mm dia. nominal bore 30 mm dia. nomina	1,048.35 1,084.00 1,276.00 537.60 627.25 739.30 539.95 622.40 689.60 826.10 1,026.65 464.05 2,373.00	metre metre metre metre metre metre each each each each each each each	0 0 0 	29,030.40 28,226.25 26,614.80 9,719.10 3,734.40 1,379.20 826.10 2,784.30 28,476.00

S.No.		PLUMBING INTERNAL ESTIMATE (Type-2,6 Nos.) (G+2		IU AND KASHN	
	DSR '23	Description	Rate	Unit	Oty Am	ount Amount
	18.51.1	15 mm nominal bore	798.95	each	24	19,174.80
	10.52	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make				
2.9	18.52	conforming to IS:8931.	670.45			1 6 000 00
	18.52.1	15 mm nominal bore	670.45		24	16,090.80
2.10	18.53	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved				
	18.53.1	quality conforming to IS:8931 15mm nominal bore	574.30	each	84	48,241.20
						,
2.11	18.21 18.21.2	Providing and fixing uplasticised PVC connection pipe with brass unions : 45 cm length				
	18.21.2.1	15 mm nominal bore	97.75	each	84	8,211.00
2.12	18.22	Providing and fixing C.P. brass shower rose with 15 or 20 mm inlet :				
2.12	18.22.2	150 mm diameter	222.35	each	12	2,668.20
		Providing and fixing CP Brass Single lever telephonic wall mixer of quality & make as				
2.13	17.22B	approved by Engineer in charge.				
		(a) 15 mm nominal dia	6,940.75	each	0	-
		Providing, Fixing, testing and commissioning of CP Brass 150 mm x 150 mm Shower head				
2.14	NSI-15	with wall flange with all accessories as required and making good the walls wherever required.	4.875.00	1	0	
		(MAKE-JAQUAR -Model No- OHS-35495 or EQUIVALENT.)	4,875.00	each	0	-
		Supply ,Erection , Testing & Commissioning of Automatic water level control panel & related				
2.15	NSI-16	accessories for pumping automation with consisting of automatic water level controller , level sensor with stainless steel probe, motorized butterfly valve, motorized valve controller with				
		complete in all respect.				
	a	upto 50 mm dia. nominal bore	26,947.00	each	1	26,947.00
		TOTAL DSR Items			5,006.00	<u>389,338.55</u> 302,067.55
		NS				87,271.00
		SUBHEAD – III Drainage				
		SUBHEAD – III Drainage Supply and fixing HDPE double wall corrugated (DWC) I.S 16098 (Part - 2) 3013 for soil /				
		waste pipe under ground drainage system with jointed with rubber ring with good quality				
3.1	NSI-17	lubricant for fittings, inclusive of all necessary specials like bends, tees, offsets, junctions, re				
		excavtion and refillig etc complete.				
	а	150 mm diameter	1,024.00	metre	10	10,240.00
	b	200 mm diameter	1,298.00	metre	10	12,980.00
		Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick				
3.2	19.4	masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the				
		weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design :				
	19.4.3	180x150 mm size P type				
	19.4.3.1	With fly ash bricks (non modular) bricks of class designation 7.5	2,802.15	each	4	11,208.60
		Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed				
3.3	19.6	with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including				
	19.6.2	testing of joints etc. complete : 150 mm dia. R.C.C. pipe	556.45	metre	10	5,564.50
	19.6.3	250 mm dia, R.C.C. pipe	899.80	metre	5	4,499.00
	19.6.4	300 mm dia. R.C.C. pipe	994.30	metre	5	4,971.50
		Constructing brick masonry manhole in cement mortar 1:4 (1 cement :4 coarse sand) with				
		RCC top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 stone aggregate 20 mm nominal size				
), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 stone aggregate 40 mm nominal size) inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand)				
3.4	19.7	finished with a floating coat of neat cement, foundation cocreate 1:3:6 mix (1 cement :3 coarse				
		sand : 6 graded stone aggregate 40 mm norminal size), and making necessary channel in cement				
		concrete 1:2:4 (1 cement :2 coarse sand :4 graded stone aggregate 20 mm norminal size) finished with a floating coat of neat cement complete as per standard design.				
		ministed with a notating coat of near cement complete as per standard design .				
		inside size 90x80 cms and 45 cms deep including CL cover with frame (light duty) 455x610				
	19.7.1	inside size 90x80 cms and 45 cms deep including CI cover with frame (light duty) 455x610 mm internal dimensions total weight of cover & frame to be not less than 38 kg (weight of				
	19.7.1					
	19.7.1	mm internal dimensions total weight of cover & frame to be not less than 38 kg (weight of	12,770.55	Each	2.00	25,541.10
	19.7.1.1	mm internal dimensions total weight of cover & frame to be not less than 38 kg (weight of cover 23 kg & weight of frame 15 kg) with common brunt clay FPS (non modular) bricks of class designation 7.5	12,770.55	Each	2.00	25,541.10
3.5		mm internal dimensions total weight of cover & frame to be not less than 38 kg (weight of cover 23 kg & weight of frame 15 kg)	12,770.55	Each	2.00	25,541.10
3.5	19.7.1.1	mm internal dimensions total weight of cover & frame to be not less than 38 kg (weight of cover 23 kg & weight of frame 15 kg) with common brunt clay FPS (non modular) bricks of class designation 7.5	8,825.40	Each	2.00	
3.5	19.7.1.1 19.8	mm internal dimensions total weight of cover & frame to be not less than 38 kg (weight of cover 23 kg & weight of frame 15 kg) with common brunt elay FPS (non modular) bricks of class designation 7.5 Extra depth for manhole 90x80 cm With FPS bricks class designation 7.5 Providing orange colour safety foot rest of minimum 6 mm thick plastic encapsulated as per IS :				
3.5	19.7.1.1 19.8	mm internal dimensions total weight of cover & frame to be not less than 38 kg (weight of cover 23 kg & weight of frame 15 kg) with common brunt clay FPS (non modular) bricks of class designation 7.5 Extra depth for manhole 90x80 cm With FPS bricks class designation 7.5 Providing orange colour safety foot rest of minimum 6 mm thick plastic encapsulated as per IS : 10910, on 12 mm dia steel bar conforming to IS:1786, having minimum cross section as 23				
3.5	19.7.1.1 19.8	mm internal dimensions total weight of cover & frame to be not less than 38 kg (weight of cover 23 kg & weight of frame 15 kg) with common brunt elay FPS (non modular) bricks of class designation 7.5 Extra depth for manhole 90x80 cm With FPS bricks class designation 7.5 Providing orange colour safety foot rest of minimum 6 mm thick plastic encapsulated as per IS :				
3.5	19.7.1.1 19.8	mm internal dimensions total weight of cover & frame to be not less than 38 kg (weight of cover 23 kg & weight of frame 15 kg) with common brunt clay FPS (non modular) bricks of class designation 7.5 Extra depth for manhole 90x80 cm With FPS bricks class designation 7.5 Providing orange colour safety foot rest of minimum 6 mm thick plastic encapsulated as per IS : 10910, on 12 mm dia steel bar conforming to IS:1786, having minimum cross section as 23 mmx25 mm and over all minimum length 263 mm and width as 165 mm with minimum 112 mm space between protruded legs having 2 mm tread on top surface by ribbing or chequering esides necessary and adequate anchoring projections on tail length on 138 mm as per standard				
	19.7.1.1 19.8 19.8.1.1	mm internal dimensions total weight of cover & frame to be not less than 38 kg (weight of cover 23 kg & weight of frame 15 kg) with common brunt elay FPS (non modular) bricks of elass designation 7.5 Extra depth for manhole 90x80 cm With FPS bricks class designation 7.5 Providing orange colour safety foot rest of minimum 6 mm thick plastic encapsulated as per IS : 10910, on 12 mm dia steel bar conforming to IS:1786, having minimum cross section as 23 mmx25 mm and over all minimum length 263 mm and width as 165 mm with minimum 112 mm space between protruded legs having 2 mm tread on top surface by ribbing or chequering esides necessary and adequate anchoring projections on tail length on 138 mm as per standard drawing and suitable to with stand the bend test and chemical resistance test as per pecifications				
	19.7.1.1 19.8 19.8.1.1	mm internal dimensions total weight of cover & frame to be not less than 38 kg (weight of cover 23 kg & weight of frame 15 kg) with common brunt clay FPS (non modular) bricks of class designation 7.5 Extra depth for manhole 90x80 cm With FPS bricks class designation 7.5 Providing orange colour safety foot rest of minimum 6 mm thick plastic encapsulated as per IS : 10910, on 12 mm dia steel bar conforming to IS:1786, having minimum cross section as 23 mmx25 mm and over all minimum length 263 mm and width as 165 mm with minimum 112 mm space between protruded legs having 2 mm tread on top surface by ribbing or chequering esides necessary and adequate anchoring projections on tail length on 138 mm as per standard				
	19.7.1.1 19.8 19.8.1.1	mm internal dimensions total weight of cover & frame to be not less than 38 kg (weight of cover 23 kg & weight of frame 15 kg) with common brunt clay FPS (non modular) bricks of class designation 7.5 Extra depth for manhole 90x80 cm With FPS bricks class designation 7.5 Providing orange colour safety foot rest of minimum 6 mm thick plastic encapsulated as per IS : 10910, on 12 mm dia steel bar conforming to IS:1786, having minimum cross section as 23 mmx25 mm and over all minimum length 263 mm and width as 165 mm with minimum 112 mm space between protruded legs having 2 mm tread on top surface by ribbing or chequering esides necessary and adequate anchoring projections on tail length on 138 mm as per standard drawing and suitable to with stand the bend test and chemical resistance test as per pecifications and having manufacture's permanent identification mark to be visible even after fixing, including	8,825.40	Metre	0.20	1,765.08
	19.7.1.1 19.8 19.8.1.1	mm internal dimensions total weight of cover & frame to be not less than 38 kg (weight of cover 23 kg & weight of frame 15 kg) with common brunt clay FPS (non modular) bricks of class designation 7.5 Extra depth for manhole 90x80 cm With FPS bricks class designation 7.5 Providing orange colour safety foot rest of minimum 6 mm thick plastic encapsulated as per IS : 10910, on 12 mm dia steel bar conforming to IS:1786, having minimum cross section as 23 mmx25 mm and over all minimum length 263 mm and width as 165 mm with minimum 112 mm space between protruded legs having 2 mm tread on top surface by ribbing or chequering esides necessary and adequate anchoring projections on tail length on 138 mm as per standard drawing manufacture's permanent identification mark to be visible even after fixing, including fixing in manholes with 30x20x15 cm cement concrete block 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) complete as per design.				1,765.08
	19.7.1.1 19.8 19.8.1.1	mm internal dimensions total weight of cover & frame to be not less than 38 kg (weight of cover 23 kg & weight of frame 15 kg) with common brunt clay FPS (non modular) bricks of class designation 7.5 Extra depth for manhole 90x80 cm With FPS bricks class designation 7.5 Providing orange colour safety foot rest of minimum 6 mm thick plastic encapsulated as per IS : 10910, on 12 mm dia steel bar conforming to IS:1786, having minimum cross section as 23 mmx25 mm and over all minimum length 263 mm and width as 165 mm with minimum 112 mm space between protruded legs having 2 mm tread on top surface by ribbing or chequering esides necessary and adequate anchoring projections on tail length on 138 mm as per standard drawing manufacture's permanent identification mark to be visible even after fring, including fixing in manholes with 30x20x15 cm cement concrete block 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) complete as per design. Constructing brick masonry road gully chamber 50x45x60 cm with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) including 500x450 mm pre-cast R.C.C. horizontal grating with	8,825.40	Metre	0.20	25,541.10
3.6	19.7.1.1 19.8 19.8.1.1 19.16 19.27	mm internal dimensions total weight of cover & frame to be not less than 38 kg (weight of cover 23 kg & weight of frame 15 kg) with common brunt clay FPS (non modular) bricks of class designation 7.5 Extra depth for manhole 90x80 cm With FPS bricks class designation 7.5 Providing orange colour safety foot rest of minimum 6 mm thick plastic encapsulated as per IS : 10910, on 12 mm dia steel bar conforming to IS:1786, having minimum cross section as 23 mmx25 mm and over all minimum length 263 mm and width as 165 mm with minimum 112 mm space between protruded legs having 2 mm tread on top surface by ribbing or chequering esides necessary and adequate anchoring projections on tail length on 138 mm as per standard drawing manufacture's permanent identification mark to be visible even after fixing, including fixing in manholes with 30x20x15 cm cement concrete block 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) complete as per design. Constructing brick masonry road gully chamber 50x45x60 cm with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) including 500x450 mm pre-cast R.C.C. horizontal grating with frame complete as per standard design :	8,825.40	Metre Each	0.20	1,765.08 4,429.60
3.6	<u>19.7.1.1</u> <u>19.8</u> <u>19.8.1.1</u> 19.16	mm internal dimensions total weight of cover & frame to be not less than 38 kg (weight of cover 23 kg & weight of frame 15 kg) with common brunt clay FPS (non modular) bricks of class designation 7.5 Extra depth for manhole 90x80 cm With FPS bricks class designation 7.5 Providing orange colour safety foot rest of minimum 6 mm thick plastic encapsulated as per IS : 10910, on 12 mm dia steel bar conforming to IS:1786, having minimum cross section as 23 mmx25 mm and over all minimum length 263 mm and width as 165 mm with minimum 112 mm space between protruded legs having 2 mm tread on top surface by ribbing or chequering esides necessary and adequate anchoring projections on tail length on 138 mm as per standard drawing manufacture's permanent identification mark to be visible even after fring, including fixing in manholes with 30x20x15 cm cement concrete block 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) complete as per design. Constructing brick masonry road gully chamber 50x45x60 cm with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) including 500x450 mm pre-cast R.C.C. horizontal grating with	8,825.40	Metre	0.20	1,765.08

ESTIMA	CSTIMATE OF FOR CONSTRUCTION OF ADDITIONAL DORMITORY & STAFF QUARTERS AT JNV									
	SUMMARY SHEET OF TYPE II RESIDENCE ,G+2 (6 Nos)									
Sl.No.	Name of Work	TOTAL AMOUN'	Γ(IN RS.)							
51.110.	Name of work	DSR-2022	MR							
Ι	SUB HEAD - I: CIRCUIT CUM POINT WIRING	837,741.00	12,698.74							
II	SUBHEAD -II - FITTINGS & FIXTURES	49,140.00	100,156.26							
III	SUBHEAD - III - DISTRIBUTION BOARDS	103,502.00	-							
IV	SUB HEAD-IV , LIGHTNING CONDUCTOR	43,510.00								
	TOTAL	1,033,893.00	112,855.00							
	COST OF 1 Qtr	172,315.50	18,809.17							
	COST OF 13 Qtr	2,240,101.50	244,519.17							
	Say Rs. In Lacs	22.40	2.45							

	ESTI	MATE OF FOR CONSTRUCTION OF ADDITIONAL DORMITORY & STAFF Q				A, JAMMU ANI	KASHMIR			
S.No.	DSR-2022/NSI	Detailed Estimate for ELECTRICAL Works TYPE-2 Description	Unit		Ra	te				
5.110.	DSR-2022/1151	Description	Um		DSR-2022	NSI	DSR-2022	NSI		
		SUB HEAD - I: CIRCUIT CUM POINT WIRING			DSR 2022	1151	D5R 2022	1101		
		SWITCH CONTROL LIGHT POINTS								
		Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm								
		FRLS PVC insulated copper conductor single core cable in surface / recessed medium								
1	DSR 1.10	class PVC conduit, with modular switch, modular plate, suitable GI box and earthing								
		the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc.								
		as required.								
1.1	DSR 1.10.3	Group C	Point	108	1,467.00		158,436.00			
		Wiring for group controlled (looped) light point/fan point/exhaust fan point/ call bell								
		point (without Independent switch etc.) with 1.5 sq. mm FRLS PVC insulated copper								
		conductor single core cable in surface/ recessed PVC conduit, and earthing the								
2	DSR-1.55	point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable etc	Point		858.00		-			
		as required. (Switch Control Secondary Points)								
2.1	DSR-1.55.3	Group C								
		Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm								
2	DSR-1.3	FRLS PVC insulated copper conductor single core cable in surface / recessed steel								
3	DSK-1.5	conduit, with modular switch, modular plate, suitable GI box and earthing the								
		point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc.								
3.1	DSR-1.3.3	as required. (Switch Control Primary Points) Group C	Point	0	1,845.00		-			
0.1	Don now			L V	-,					
		Wiring for group controlled (looped) light point/fan point/exhaust fan point/ call bell								
		point (without Independent switch etc.) with 1.5 sq. mm FRLS PVC insulated copper								
4	DSR-1.54	conductor single core cable in surface/ recessed steel conduit, and earthing the								
7	D5R-1.54	point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable etc								
		as required. (Switch Control Secondary Points)								
4.1	DCD 1 54.2		D : (1 00 4 00					
4.1	DSR-1.54.3	Group C	Point	0	1,094.00		-			
		MCB CONTROL LIGHT POINTS								
		Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm								
		FRLS PVC insulated copper conductor single core cable in surface / recessed steel								
5	NSI-1	conduit, with modular switch, modular plate, suitable GI box and earthing the								
		point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc.								
		as required. (Switch Control Primary Points)								
5.1	NSI-1.1	Primary point controlled by one MCB.	Point	3		1,523.13		4,569.38		
5.2	NSI-1.2	Same as item above but Secondary point . i.e. Points to be looped with Primary point	Point	6		1,354.89		8,129.36		
		with 2.5 sqmm wire and Point wiring								
		Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copper conductor								
		single core cable in surface/ recessed steel conduit alongwith 1 No. 4 sq. mm FRLS		275	122.00		1 (2 275 00			
6	DSR 1.5	PVC insulated copper conductor single core cable for loop earthing as required.	Metre	375	433.00		162,375.00			
_	DCD 1	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of								
7	DSR 1.7	FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel								
7.1	DSR 1.7.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	Metre	0	327.00					
7.1	DSR 1.7.1 DSR 1.7.2	2×1.5 sq. mm + 1 $\times 1.5$ sq. mm earth wire 2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	Metre	475	327.00		175,275.00			
7.3	DSR 1.7.2 DSR 1.7.4	$2 \times 2.5 \text{ sq. mm} + 1 \times 2.5 \text{ sq. mm}$ earth wire	Metre	275	589.00		161,975.00			
7.4	DSR 1.7.5	2×10 sq. mm + 1 x 10 sq. mm earth wire 2 x 10 sq. mm + 1 x 10 sq. mm earth wire	Metre	0	710.00		-			
7.5	DSR 1.7.10	4 X 10 sq. mm + 2 X 6 sq. mm earth wire	Metre	95	1,166.00		110,770.00			
7.6	DSR 1.7.11	4 X 16 sq. mm + 2 X 6 sq. mm earth wire	Metre	0	1,645.00		-			
		Supplying and fixing suitable size GI box with modular plate and cover in front on								
8	DSR 1.31	surface or in recess including providing and fixing 3 pin 5/6 Amp modular socket	Each	42	477.00		20,034.00			
		outlet and 5/6 A modular switch, connection etc. as required.								

9 NSI-2 Supply and Wiring for 250 volts single phase and neutral 2 Nos 6 amps socket outlate with control by 1 No switched with 2.5 sq.mm PVC insulated copper conductor 1100 volts grade stranded flexible FRLS wires in concealed or surface mounted 25 mm dia 2mm thick PVC conduit including providing and fixing of 6 amps 3 pin switch socket outlet of aproved make and design in 2 mm thick GI box with grid plate and earthing of third pin of the socket with 2.5 Sq. mm PVC insulated copper conductor stranded flexible FRLS wire.(maximum four no. of switches socket shall be connected on one circuit) Each 0 1,782		-
10 DSR 1.32 Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required. Each 42 586.00	24,612.00	
11 NSI-3 Supplying and fixing 63 A, 415 V, TPN Industrial type socket outlet, with 4 pole and earth, metal enclosed plug top alongwith 63 A "C" curve, TPMCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket outlet and complete with connections, testing and commissioning etc. as required. Each 0 11,284.98		-
12 NSI-4 Supplying and fixing 80 A, 415 V, TPN Industrial type socket outlet, with 4 pole and earth, metal enclosed plug top alongwith 80 A "C" curve, TPMCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket outlet and complete with connections, testing and commissioning etc. as required. Each 0 17,343.23		-
I3 DSR-1.33 Supplying and fixing 3 pin, 5 A ceiling rose on the existing junction box/ wooden block including connections etc. as required. Each 18 87	1,566.00	
14 DSR-1.57 Supplying & fixing suitable size GI box wih modular plate and cover in front on surface or in recess <i>i/c</i> providing and fixing 25 amp modular socket outlet and 25 Amps modular SP MCB, "C" curve including connection, painting etc. as required. Each 30 727	21,810.00	
15 DSR 1.24 Supplying and fixing following modular switch/ socket on the existing modular plate etc. as required.		
15.1 DSR 1.24.6 Telephone socket outlet Nos 6 148.00	888.00	
Information Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required.		
16.1 DSR 1.27.1 1 or 2 Module (75mmX75mm) Nos 0 298.00	-	
16.2 DSR 1.27.4 6 module (78mm X 205 mm X 50 mm) Nos 0 402.00	-	
17 DSR 1.24 Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required.		
17.1 DSR 1.24.4 3 pin , 5/6 amps socket outlet Each 0 122.00 17.1 DSR 1.24.4 3 pin , 5/6 amps socket outlet Each 0 122.00	-	
17.1 DSR 1.24.1 5/6 amps switch Each 0 103.00	-	
18 Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.		
18.1 DSR 1.21.2 25 mm Mtr 0 145.00	-	
18.2 DSR 1.21.3 32 mm Mtr 0 184.00	-	
TOTAL CARRIED TO SUMMARY FOR SUBHEAD - I	837,741.00	12,698.74
SUBHEAD -II - FITTINGS & FIXTURES		
1 NSI-1 Supply, Installation, Testing and Commissioning of 10 W Bulk head Light. Each 0 1,158.20		-
2 NSI-2 Supply, Installation, Testing and Commissioning of 5W Mirror Light. Each 0 1,150.20		-

3	NSI-3	Supply, Installation, Testing and Commissioning of 18W Surface/Recessed Mounted LED circular Downlighter.	Each	0		1,470.02		-
4	NSI-4	Supply, Installation, Testing and Commissioning of 18/20W Wall/Surface mouted 4 ft. LED	Each	24		1,336.38		32,073.10
5	NSI-5	Supply, Installation, Testing and Commissioning of 15W Surface mounted LED Square Downlighter.	Each	15		1,380.93		20,713.88
6	NSI-6	Supply, Installation, Testing and Commissioning of 150 W CHANDELIER	Each	0		89,091.94		-
7	NSI-7	Supply, Installation, Testing and Commissioning of 12/9W Recessed mounted LED circular Downlighter.	Each	0		1,069.10		-
8	NSI-8	Supply, Installation, Testing and Commissioning of 9W (Nominal) Wall Bracket Light	Each	30		222.73		6,681.90
9	DSR 19.1	Supply, Installation, Testing and Commissioning of 1200 mm sweep, BEE 5 star rated, ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. blades, 30 cm long down rod, 2nos. canopies, shackle kit, safety rope, copper winding, Power Factor not less than 0.9, Service Value (CM/M/W) minimum 6.00, Air delivery minimum 210 Cum/Min, 350 RPM (tolerance as per IS : 374-2019),THD less than 10%, remote or electronic regulator unit for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 degree C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC Supply, earthing etc. complete as required.	Each	18	2,730.00		49,140.00	-
10	NSI-9	Supply Installation, Testing and Commissioning of 250 mm dia Domestic Exhaust Fan	Each	18		2,260.41		40,687.40
		TOTAL CARRIED TO SUMMARY FOR SUBHEAD - II					49,140.00	100,156.26
		SUBHEAD - III - DISTRIBUTION BOARDS						
1	DSR 2.3	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)						
1.1	DSR 2.3.1	6 way, Double door	Each	0	2206		-	
1.2	DSR 2.3.2	8 way, Double door	Each	0	2573		-	
1.3	DSR 2.3.3	12 way, Double door	Each	0	2315		-	
2	DSR 2.4	Supplying and fixing following way, three pole and neutral, sheet steel, MCB distribution board, 415 volts, on surface/ recess complete with tinned copper busbar, neutral busbar, earth bar, din bar, detachable gland plate, interconnections, phosphatized and powder painted including earthing etc. as required. (But without MCB/ RCCB/ Isolator)						
2.1	DSR 2.4.1	4 way (4 + 12), Double door	Each	0	4,091.00		-	
2.2	DSR 2.4.2	6 way (4 + 18), Double door	Each	6	4,974.00		29,844.00	
2.3	DSR 2.4.3	8 way (4 + 24), Double door	Each	0	5,967.00		-	
3	DSR 2.5	Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 V, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 A tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCBs (but without MCBs and incomer) as required . (Note :Vertical type MCB TPDB is normally used where 3 phase outlets are required.)						
3.1	DSR 2.5.3	12 way (4 + 36), Double door	Each	0	12833		-	
4	DSR 2.10	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.						

4.1	2.10.1	Single Pole	Each	72	256		18,432.00	
4.2	2.10.1	Single Pole Neutral	Each	0	599		-	
	±+10+2		Laon		577			
		Supplying and fixing following rating, double pole, 240 V, isolator in the existing						
5	DSR 2.12	MCB DB complete with connections, testing and commissioning etc. as required.						
Ũ	D5R 2.12	MOD DD complete with connections, testing and commissioning etc. as required.						
5.1	DSR 2.12.1	40 A	Each	0	435		-	
5.2	DSR 2.12.1 DSR 2.12.2	63 A	Each	0	527		-	
5.2	D5K 2.12.2	03 A	Luch		521			
		Supplying and fixing following rating, four pole, 415 V, isolator in the existing MCB						
6	DSR 2.13							
U U	D3K 2.15	DB complete with connections, testing and commissioning etc. as required.						
6.1	DSR 2.13.1	25 A	Each	0	970		-	
6.1	DSR 2.13.1	40 A	Each	0	970		-	
6.2	DSR 2.13.1 DSR 2.13.2	40 A 63 A	Each	6	1034		6,204.00	
0.2	DSK 2.15.2	63 A	Each	0	1034		0,204.00	
		Completing and fining fallowing acting double and (single above and action) 240 M						
		Supplying and fixing following rating, double pole, (single phase and neutral), 240 V,						
7	DSR 2.14	residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the						
		existing MCB DB complete with connections, testing and commissioning etc. as						
		required.						
7.1	DSR 2.14.1	25 A	Each	0	2028		-	
7.2	DSR 2.14.2	40 A	Each	0	2642		-	
7.3	DSR 2.14.3	63 A	Each	18	2722		48,996.00	
8	DSR 2.11	Supplying and fixing single pole blanking plate in the existing MCB DB complete etc.	Each	2	13		26.00	
Ů	DOR 2.11	as required.	Laci	<u> </u>	1.5		20.00	
		TOTAL CARRIED TO SUMMARY FOR SUBHEAD - III				1	03,502.00	-
VI		SUB HEAD-IV, LIGHTNING CONDUCTOR						
		LIGHTNING CONDUCTOR						
1	6.2	Providing and fixing of lightning conductor finial, made of 25 mm dia 300 mm long,						
		G.I. tube, having single prong at top, with 85 mm dia 6 mm thick G.I. base plate						
		including holes etc. complete as required.	Each	4.0	518.00		2,072.00	
		herdding heres eter comprete de required.						
2	6.3	Fixing of lightning conductor finial (single prong) with base plate including holes etc.						
		complete as required.	Each	4.0	360.00		1,440.00	
		complete us required.					-,	
3	6.4	Jointing copper / G.I. tape (with another copper/ G I tape, base of the finial or any						
-		other metallic object) by riveting / nut bolting/ sweating and soldering etc as required.						
		outer metalite object) by fivening, nut obtaing sweating and soldering etc as required.	Metre	10.0	113.00		1,130.00	
			metre	10.0	115.00		1,150.00	
4	6.7	Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for						
7	0.7		Matra	60.0	126.00		7 560 00	
		lightning conductor complete as required.(For horizontal run)	Metre	60.0	126.00		7,560.00	
	6.9	Densidian and fining C I tare 20 mm V 2 mm thick on annual C C C II C						
5	6.8	Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for		10.0	107.00		7 000 00	
		lightning conductor complete as required.(For vertical run)	Metre	40.0	197.00		7,880.00	
	<i>c</i> + 0							
6	6.10	Fixing of copper/ G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for		0.00				
		lightning conductor complete as required.(For vertical run)	Metre	20.0	162.00		3,240.00	
7	6.12	Providing and fixing testing joint, made of 20 mm X 3 mm thick G.I. strip, 125 mm						
		long, with 4 nos. of G.I. bolts, nuts, chuck nuts and spring washers etc. complete as						
		required.	Each	20.0	121.00		2,420.00	
8	5.4	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories,						
0								
0		and providing masonry enclosure with cover plate having locking arrangement and						
0		and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required. Details of						
0		watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required. Details of		2.0	7,472.00		14,944.00	
°				2.0	7,472.00		14,944.00	
		watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required. Details of cost for one Set	Each	2.0	7,472.00		14,944.00	
9	5.11	watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required. Details of cost for one Set Providing and fixing 25 mm X 5 mm G.I. strip in 40 mm dia G.I. pipe from earth	Each	2.0	7,472.00		14,944.00	
		watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required. Details of cost for one Set Providing and fixing 25 mm X 5 mm G.I. strip in 40 mm dia G.I. pipe from earth electrode including connection with G.I. nut, bolt, spring, washer excavation and re-	Each					
		watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required. Details of cost for one Set Providing and fixing 25 mm X 5 mm G.I. strip in 40 mm dia G.I. pipe from earth	Each	2.0	7,472.00		2,824.00	
		watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required. Details of cost for one Set Providing and fixing 25 mm X 5 mm G.I. strip in 40 mm dia G.I. pipe from earth electrode including connection with G.I. nut, bolt, spring, washer excavation and re-filling etc. as required.	Each				2,824.00	
		watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required. Details of cost for one Set Providing and fixing 25 mm X 5 mm G.I. strip in 40 mm dia G.I. pipe from earth electrode including connection with G.I. nut, bolt, spring, washer excavation and re-	Each					
		watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required. Details of cost for one Set Providing and fixing 25 mm X 5 mm G.I. strip in 40 mm dia G.I. pipe from earth electrode including connection with G.I. nut, bolt, spring, washer excavation and re-filling etc. as required.	Each				2,824.00	

	GUES	T HOUSE	1				
S.N.	DESCRIPTION OF ITEM	DSR 2023	QUANTITY	UNIT	RATES	AMOUNT DSR ITEM	AMOUN [M.R. ITEN
A	Earth Work	2025					
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus						
	excavated soil as directed, within a lead of 50 m.						
a.) 2	All kinds of soil Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth,consolidating each	2.8.1	70.19	CUM	260.30	18,270.46	
	deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5 m.	2.25	56.15	CUM	196.00	11,005.79	
3	Extra for every additional lift of 1.5 m or part thereof in excavation / banking excavated or stacked materials.						
4	All kinds of soil	2.26.1	17.00	CUM	126.80	2,155.60	
4	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	2.27	3.83	CUM	2123.75	8,133.96	
5	Excavating, supplying and filling of local earth (including royalty) by mechanical transport up to a lead of 5km also including ramming and watering of the earth in layers not exceeding 20 cm in trenches, plinth, sides of foundation etc. complete.	2.25a	2.25	CUM	700.50	1,576.13	
B 6	Concrete Work Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level 1:5:10 (1 Cement : 5 coarse sand (zone-III) derived from natural sources : 10 graded stone aggregate 40 mm nominal size derived from natural sources)						
-		4.1.10	6.82	CUM	6518.60	44,456.85	
7	Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 12.5mm nominal size derived from natural sources)						
	graded stone aggregate 12.5mm nommar size derived from natural sources)	4.10	9.23	SQM	410.85	3,792.15	
8	Providing & applying a coat of residual petroleum bitumen of grade of VG-10 of approved quality using 1.7kg per square metre on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil.	4.13	9.23		146.15	1,348.96	
9	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand,including necessary excavation,levelling & dressing & finishing the top smooth.	4.15	7.23	SQM	140.13	1,546.70	
	inising de op snooti.	4.17	21.78	SQM	749.30	16,319.75	
10	Brick edging in full brick width and half brick depth including excavation refilling and disposal of surplus earth lead upto 50 metres. With common burnt clay F.P.S.(non modulur) bricks of class designation 75	1671	26.20	DM	104 20	7.051.15	
С	Reinforced Cement Concrete	16.7.1	36.29	RM	194.30	7,051.15	
11	Centering and shuttering including strutting, propping etc. and removal of form for all heights :						
(a)	Foundations, footings, bases of columns, etc. for mass concrete.	5.9.1	27.18	SQM	392.15	10,658.64	
(b)	Suspended floors, roofs, landings, balconies and access platform.	5.9.3	57.18	SQM	927.25	53,020.16	
(c) (d)	Lintels, beams, plinth beams, girders, bressumers Columns,Pillars, Piers, Abutments, Posts and Struts.	5.9.5 5.9.6	79.81 74.88	SQM SQM	736.40 961.30	58,772.08 71,982.14	
(u) (e)	Edges of slabs and breaks in floors and walls Under 20 cm wide.	5.9.16.1	51.89	RM	208.55	10,821.66	
12	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Thermo-						
13	Mechanically Treated bars of grade Fe-500D or more. Steel reinforcement for R.C.C. work including straightening, cutting, bending,	5.22.6	13.71	QTL.	10785.00	147,862.35	
14	placing in position and binding all complete above plinth level. Thermo- Mechanically Treated bars of grade Fe-500 D or more. Add for plaster drip course/ groove in plastered surface or moulding to R.C.C.	5.22.A.6	12.86	QTL.	10785.00	138,695.10	
15	projections. Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana	5.30	60.00	RM	78.40	4,704.00	
	/ Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge; for the following grades of concrete. Note: Extra cement up to 10% of the minimum specified cement content in						
	Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 110% of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement.						
	טו כאוומ נכוווכוונ.	5.33					

(I)	All works upto plinth level	5.33.1					
(-)	Concrete of M25 grade with minimum cement						
	content of 330 kg /cum	5.33.1.1					
	(i) R.C.C. work in Footing	5.33.1.1	9.40	CUM	9504.75	89,344.65	
	(ii) R.C.C. work in Beam	5.33.1.1	2.85	CUM	9504.75	27,088.54	
(11)	(iii) R.C.C. work in Columns	5.33.1.1 5.33.2	2.16	CUM	9504.75	20,530.26	
(II)	All works above plinth level upto floor V level Concrete of M25 grade with minimum cement	5.55.2					
	content of 330 kg/cum	5.33.2.1					
	(i) R.C.C. work in Lintel	5.33.2.1	0.13	CUM	9860.40	1,281.85	
	(ii) R.C.C. work in Beam	5.33.2.1	2.06	CUM	9860.40	20,312.42	
	(iii) R.C.C. work in Columns	5.33.2.1	3.45	CUM	9860.40	34,018.38	
-	(iv) R.C.C. work in Slab	5.33.2.1	7.12	CUM	9860.40	70,206.05	
D 16	Masonry Work Half brick masonry with common burnt clay F.P.S. (non modular) bricks of						
10	class designation 7.5 in foundations and plinth in : cement mortar 1:4 (1						
	cement : 4 coarse sand)	6.13.2	13.10	Sqm	1123.80	14,721.78	
17	Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every						
	third course of half brick masonry.	6.15	13.10	SQM	104.80	1,372.88	
18	Brick work with non modular fly ash bricks conforming to IS:12894, class						
	designation 10 average compressive strength in superstructure above plinth level up to floor V level in :	6.34					
	Cement mortar 1:6 (1 cement : 6 coarse sand)	6.34.2	11.50	CUM	8752.55	100,654.33	
19	Brick work with common burnt clay F.P.S. (non modular) bricks of class	0.0 1.2	11100	00111	0702100	100,00 1100	
	designation 7.5 in foundation and plinth in:Cement mortar 1:6 (1 cement : 6						
	coarse sand)	6.1.2	3.19	CUM	7132.25	22,751.88	
Е	Cladding Work						
20	Providing and fixing Ist quality ceramic glazed wall tiles conforming to IS:						
	15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as						
	approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12						
	mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointin						
	with grey cement slurry @ 3.3kg per sqm, including pointing in white cement						
	mixed with pigment of matching shade complete.						
		8.31	15.64	SQM	1267.95	19,830.74	
F	Wood and PVC Work						
21	Providing and fixing ISI marked flush door shutters conforming to IS : 2202						
	(Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with						
	vertical grains or cross bands and face veneers on both						
	faces of shutters:35 mm thick including ISI marked Stainless Steel butt hinges						
	with necessary screws	9.21.1	9.03	SQM	2392.65	21,605.63	
22	Extra for providing lipping with 2nd class teak wood battens 25 mm						
	minimum depth on all edges of flush door shutters (over all area of door						
23	shutter to be measured). Providing and fixing M.S. grills of required pattern in frames of windows etc.	9.23	9.03	SQM	462.35	4,175.02	
23	with M.S. flats, square or round bars etc. including priming coat with						
	approved steel primer all complete. Fixed to steel windows by welding.						
		9.48.1	14.64	KG	219.10	3,207.62	
24	Providing and fixing oxidised M.S. casement stays (straight peg type) with						
	necessary screws etc. complete.	0.50.5	12.07		(= 10	000.55	
(i)	300 mm weighing not less than 200 gms	9.68.1	12.00	NOS	67.40	808.80	
(ii) 25	250 mm weighing not less than 150 gms Providing and fixing aluminium hanging floor door stopper ISI marked	9.68.2	2.00	NOS	61.05	122.10	
23	anodised (anodic coating not less than grade AC 10 as per IS : 1868)						
	transparent or dyed to required colour or shade with necessary screws etc.						
	complete. Twin rubber stopper	9.101.2	6.00	NOS	72.35	434.10	
26	Providing and fixing factory made door frame (single rebate) made out of						
	single piece extruded solid PVC foam profile with homogenous fine						
	cellular structure having smooth outer integral skin having 62 mm width & 32						
	mm thickness, frame will be mitred & Jointed with self driven self						
	tapping screws of size 38 mm x 4 mm & PVC solvent cement, including fixing the frame to wall with suitable dia & length anchor fastener as per						
	manufacturer's specification and direction of Engineer-in-charge.						
		9.123	9.90	RM	696.00	6,890.40	
27	Providing & Fixing decorative high pressure laminated sheet of plain / wood						
	grain in gloss / matt/ suede finish with high density protective surface layer						
	and reverse side of adhesive bonding quality conforming to IS : 2046 Type S, including cost of adhesive of americal quality 1.0 mm thick						
	including cost of adhesive of approved quality. 1.0 mm thick	9.127.2	18.06	SQM	897.30	16,205.24	
28	Providing and fixing wire gauge shutters using stainless steel grade	1.121.2	10.00	52111	071.50	10,203.27	
	304 wire gauge with wire of dia 0.5 mm and average width of						
	aperture 1.4 mm in both directions for doors, windows and clerestory						
	windows with necessary screws : 30 mm thick shutters With ISI						
	marked stainless steel butt hinges of required size. Kiln seasoned				1		
	marked stainless steel butt hinges of required size, Kiln seasoned and chemically treated hollock wood	9.134.2.2.2	2.10	SQM	3619.60	7,601.16	

29	Providing and fixing fly proof stainless steel grade 304 wire gauge, to windows and clerestory windows using wire gauge with average						
	width of aperture 1.4 mm in both directions with wire of dia. 0.50 mm all complete. With 12 mm mild steel U beading						
30	Providing and fixing bright /matt finished Stainless Steel handles of approved	9.135.2	7.92	SQM	1228.10	9,726.55	
21	quality & make with necessary screws etc all complete. (a) 125 mm.	9.165.1	12.00	NOS	119.20	1,430.40	
31	Providing & fixing Stainless steel sliding door bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with nuts and screws etc complete. (a)						
32	250mm x 16mm. Providing and fixing stainless steel towerbolts (barrel type) with necessary	M.R.	6.00	NOS	560.00		3,360.00
	screws etc. complete. 300 x 10mm	M.R.	6.00	NOS	448.00		2,688.00
	150 x 10mm	M.R.	6.00	NOS	392.00		2,352.00
<u>G</u> 33	Steel Work Providing and fixing factory made ISI marked steel glazed doors, windows and ventilators, side /top /centre hung, with beading and all members such as F7D, F4B, K11 B and K12 B etc. complete of standard rolled steel sections, joints mitred and flash butt welded and sash bars tenoned and riveted, including providing and fixing of hinges, pivots, including priming coat of approved steel primer, but excluding the cost of other fittings, complete all as per approved design, (sectional weight of only steel members shall be measured for payment). Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size).	10.11.1	142.56	KG	131.05	18.682.49	
34	Providing and fixing T-iron frames for doors, windows and ventilators of mild	10.11.1	142.30	NU	151.05	10,062.49	
54	steel Tee-sections, joints mitred and welded, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size	10.13.1	72.60	KG	141.70	10,287.42	
35	Providing and fixing M.S. Tubular frames for doors, windows, ventilators and						
36	cupboard with rectangular/ L-Type sections, made of 1.60 mm thick M.S. Sheet, joints mitred, welded and grinded finish, with profiles of required size, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer. Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) Providing & fixing glass panes with putty and glazing clips in steel doors,	10.15.1	386.19	Kg	195.20	75,384.29	
	windows, clerestory windows, all complete with : 4.0 mm thick glass panes.	10.30.1	17.92	SQM	1064.65	19,078.53	
Н	Flooring						
37	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) : 25 mm thick	11.26.1	4.49	SQM	1948.25	8,747.64	
38	Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid						
	on 12 mm (average) thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete.	11.27	5.47	SQM	2354.70	12.880.21	
39	Providing and laying Vitrified tiles in floor in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laidon 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) jointing with grey cement slurry @3.3 kg/sqm including grouting the joints with white cement and matching pigments etc. The tiles must be cut with the zero chipping diamond cutter only . Laying of tiles will be done with the notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet for placing the tiles gently and easily.Glazed Vitrified tiles Matt/Antiskid finish of size of Tile 600 x 600 mm						
		11.41A.3.1	6.40	SQM	1464.85	9,375.04	
40	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including grouting the joints with white cement and matching pigments etc., complete. Size of Tile 600x600 mm.	11.41.5	(2.07		1000 00		
41	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including grouting the joint with white cement & matching pigments etc. complete. Size of Tile 600x600	11.41.2	43.07	SQM	1553.45	66,907.09	
	mm	11.46.2	4.55	SQM	1623.05	7,384.88	
Т	Finishing						

				Sav	Rs. In Lacs	15.81	0.0
					TOTAL	1,580,787.77	8,400.0
						,	-
	compound by weight of cement, over 12 mm layer of cement morar 1:5 (1 cement : 3 fine sand) and finished neat: With common burnt clay F.P.S. (non modular) brick tiles of class designation 10	12.19	52.26	SQM	607.40	31,742.72	
52	Providing and laying brick tiles over mumty roofs, grouted with cement mortar 1:3 (1 cement : 3 fine sand) mixed with 2% of integral water proofing compound by weight of cement, over 12 mm layer of cement mortar 1:3 (1						
50		14.86	52.26	SQM	730.55	38,178.54	
	polymeric mix is protected on both side with 20 micron HMHDPE film. 7th, the top most layer shall be finished with brick tiles of class designation 10 grouted with cement mortar 1:3 (1cement : 3 fine sand) mixed with 2% integral water proofing compound by weight of cement over a 12 mm layer of cement mortar 1:3 (1 cement : 3 fine sand) and finished neat (item of laying brick tiles shall be paid for separately).						
	weight consisting of five layers prefabricated with centre core as 20 micron HMHDPE film sandwiched on both sides with polymeric mix and the						
	of grade 85/25 conforming to IS : 702, 3rd and 5th layers of roofing membrane APP modified Polymeric membrane 1.5 mm thick of 2.25 Kg/sqm						
	(Atactic poly-propylene) modified Polymeric memberane over roof consisting of first coat of bitumen primer @ 0.40 litre per sqm, 2nd, 4th & 6th courses of bonding material @ 1.20 Kg/sqm, which shall consist of blown type bitumen						
J 51	Providing and laying in situ seven course water proofing treatment with APP						
J	prepare the surface even and smooth complete. Water Proofing	13.80	57.18	SQM	156.05	8,922.94	
50	of approved brand and manufacturer, over the plastered wall surface to						
50	Two or more coats on new work. Providing and applying white cement based putty of average thickness 1 mm,	13.61.1	48.76	SQM	155.90	7,601.53	
	to give an even shade:						
49	manufacture on steel galvanised iron/steel works. Painting with synthetic enamel paint of approved brand and manufacture	13.50.3	41.72	SQM	67.40	2,811.93	
48	resinous wood and plywood With ready mixed red oxide zink chromate primer of approved brand and	15.50.2	/.04	SQM	74.65	525.46	
47	With ready mixed aluminium primer of approved brand and manufacture on	13.50.2	7.04	SOM	74.65	525 46	
	Applying priming coat:	13.50				, · · ·	
46	additives of required shade. New work (Two or more coats applied @ 1.43 ltr/ 10 sqm. over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm).	13.47.1	130.69	SQM	171.10	22,361.06	
	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone	13.41.1	188.27	SQM	185.65	34,952.33	
-13	manufacture to give an even shade : New work (two or more coats) over and including water thinnable priming coat with cement primer.						
44 45	6 mm cement plaster on celling (a) 1:3(1 cement:3 fine sand) Distempering with oil bound washable distemper of approved brand and	13.16.1	10.91	SQM	300.45	3,277.91	
	1:6 (1 cement: 6 coarse sand)	13.5.2	131.09	SQM	395.35	51,826.43	
43	15 mm cement plaster on the rough side of single or half brick wall of mix :					,.	
	even and smooth no extra for mixing any additive. 1:6 (1 cement: 6 coarse sand)	13.4.2	130.69	SQM	343.65	44,911.62	
	exterior plastering up to floor two level including internal rounded angles chamfers, and/or rounded angles not exceeding 80mm in girth and finished						

ESTIMATE OF FOR CONSTRUCTION OF ADDITIONAL DORMITORY & STAFF QUARTERS AT JNV KUPWARA, JAMMU AND KASHMIR PLUMBING INTERNAL ESTIMATE (Guest House)

SI. No.	Description	Amo	ount	
		DSR Items - 2023	NS Items	
1	Sanitary Installation	88,581.15	27,850.00	
2	Water Supply	60,390.85	41,876.00	
	Total	148,972.00	69,726.00	
	Say in lacs	1 49	0.70	

	LOTIMATE	DF FOR CONSTRUCTION OF ADDITIONAL DORMITORY & STAFF QU, PLUMBING INTERNAL ESTIMATE (Gue					
S.No.	DSR '23	Description	Qty.	Unit	Rate	Amo	
		Out Hand - I Onniteme Installation				DSR-2023	MR
		Sub Head – I Sanitary Installation Providing and fixing water closet squatting pan (Indian type W.C. pan)					
		with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C.					
		flushing cistern, including flush pipe, with manually controlled device					
1.1		(handle lever) conforming to IS : 7231, with all fittings and fixtures					
	47.4	complete, including cutting and making good the walls and floors					
	17.1	wherever required:. White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with					
	17.1.1	integral type foot rests.	0	each	6,767.40	-	
		Providing and fixing white vitreous china pedestal type water closet					
		(European type) with seat and lid, 10 litre low level white vitreous china					
		flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm					
1.2		flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete,					
		including painting of fittings and brackets, cutting and making good the					
		walls and floors wherever required :					
	17.3				0.000.00		
	17.3.1	W.C. pan with ISI marked white solid plastic seat and lid Providing and fixing floor mounted, white vitreous china single piece,	0	each	8,006.60	-	
		double traps syphonic water closet of approved brand/make, shape,					
		size and pattern including integrated white vitreous china cistern of					
1.3		capacity 10 litres with dual flushing system, including all fittings and					
		fixtures with seat cover, cistern fittings, nuts, bolts and gasket etc					
		including making connection with the existing P/S trap, complete in all					
	17.81	respect as per directions of Engineer-in-Charge.	2	each	18,212.90	36,425.80	
		Providing and fixing white vitreous china battery based infrared sensor			,	.,	
		operated urinal of approx. size 610 x 390 x 370 mm having pre & post					
1.4		flushing with water (250 ml & 500 ml consumption), having water inlet					
		from back side, including fixing to wall with suitable brackets all as per manufacturers specification and direction of Engineer-in-charge.					
	17.80		0	each	7,979.20	-	
		Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass			,		
1.5		pillar taps, 32 mm C.P. brass waste of standard pattern, including					
	17.7	painting of fittings and brackets, cutting and making good the walls					
	17.7	wherever require: White Vitreous China Wash basin size 550x400 mm					
1.5.1	17.7.3	with a pair of 15 mm C.P. brass pillar taps	2.00	each	2,301.75	4,603.50	
		Providing and fixing white vitreous china wash basin under counter					
		basin, with C.I. concealed type brackets fixed to walls with GI rag bolts					
		or approved fasteners etc., including 32 mm CP brass waste coupling,					
1.6		including painting of fittings and brackets, cutting and making good the					
		walls wherever required all complete (Granite counter top will be measured and paid separately under relevent item): as per approved					
		make and decision of engineer-in-charge					
	NSI-1		0	each	4,689.00		-
1.7	17.34	Providing and fixing toilet paper holder :			000 70	4 007 40	
	17.34.1	C.P. brass Providing and fixing CP brass auto closing system basin pillar tap /	2	each	803.70	1,607.40	
1.8		hand wash of Jaquar PRS - 001 or Equivalent as approved by					
	NSI-2	Engineer- In Charge	0	each	5,092.00		-
		Providing and fixing CP brass single lever basin mixer without popo					
1.9		with 450mm long braided hose (connection pipe) basin pillar tap of					
	NSI-3	Jaquar LYR-38001B or Equivalent as approved by Engineer- In Charge.	2	each	7,406.00		14,812.00
4.45		Providing and fixing 32mm C.P brass bottle Trap of approved quality &	-	50011	.,100.00		,012.00
1.10	17.22A	make as per the direction of engineer-in-incharge.	2	each	1,034.80	2,069.60	
		Providing and fixing 600x450 mm beveled edge mirror of superior glass					
1.11		(of approved quality) complete with 6 mm thick hard board ground fixed					
	17.31	to wooden cleats with C.P. brass screws and washers complete.	2	Sqm	1,607.95	3,215.90	
		Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per	-		.,501.00	5,210.00	
1.12		IS : 13983 with C.I. brackets and stainless steel plug 40 mm, including					
1.12	/= /-	painting of fittings and brackets, cutting and making good the					
	17.10	walls wherever required :					
	<u>17.10.1</u> 17.10.1.1	Kitchen sink with drain board 510x1040 mm bowl depth 250mm	0	ooch	6045.00	-	
	17.10.1.1 17.10.2	Kitchen sink without drain board	U	each	6945.60	-	
	17.10.2.2	610x460 mm bowl depth 200 mm	0	each	3,873.80	-	
		Providing and fixing white vitreous china laboratory sink with C.I.					
		brackets, C.P. brass chain with rubber plug, 40 mm C.P brass waste					
1.13		and 40mm C.P. brass trap with necessary C.P. brass unions complete,					
	17.11	including painting of fittings and brackets, cutting and making good the wall wherever required :					
	17.11.1	Size 450x300x150 mm	0	each	5,020.85	-	
1 4 4		Providing and fixing P.V.C. waste pipe for sink or wash basin including	-		.,,		
1.14	17.28	P.V.C. waste fittings complete.					
	17.28.2	Flexible pipe			440.55		
4.45	17.28.2.2	40 mm dia Providing and fixing soil, wasta and yont pipes :	0	each	119.55	-	
1.15	17.35 17.35.1	Providing and fixing soil, waste and vent pipes : 100 mm dia					
	11.30.1	Hubless centrifugally cast (spun) iron pipes epoxy coated inside &					
	17.35.1.3	outside IS:15905	10	meter	1,169.30	11,693.00	
1.16		Providing and fixing bend of required degree with access door,					
	17.38 17.38.1	insertion rubber washer 3 mm thick, bolts and nuts complete.					
		100 mm		1			

	ESTIMATE C	OF FOR CONSTRUCTION OF ADDITIONAL DORMITORY & STAFF QU		I JNV KU	PWARA, JAN	MU AND KASH	IMIR
S No.	000 122	PLUMBING INTERNAL ESTIMATE (Gue		Unit	Poto	Amou	
S.No.	DSR '23	Description Hubless centrifugally cast (spun) iron epoxy coated inside & outside	Qty.	Unit	Rate	Amot	int
	17.38.1.3	I.S. 15905	0	each	567.20	-	
1.17	17.39	Providing and fixing plain bend of required degree.					
	17.39.1	100 mm Hubless centrifugally cast (spun) iron pipe epoxy inside & outside IS:					
	17.39.1.3	15905	5	each	368.00	1,840.00	
1.18	17.40	Providing and fixing heel rest sanitary bend				,	
	17.40.1	100 mm dia					
1.19	<u>17.40.1.2</u> 17.42	Sand cast iron S&S as per IS - 3989 Providing and fixing double equal plain junction of required degree	0	each	548.70	-	
1.19	17.42	100x100x100x100 mm					
		Hubless centrifugally cast (spun) iron pipe epoxy inside & outside IS:					
	17.42.1.3	15905	0	each	760.70	-	
1.20		Providing and fixing single equal plain junction of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts					
	17.43	complete.					
	17.43.1	100x100x100 mm					
4.04	<u>17.43.1.2</u> 17.44	sand cast Iron S&S as per IS: 3989 Providing and fixing single equal plain junction of required degree	0	each	925.70	-	
1.21	17.44	100x100x100 mm					
		Hubless centrifugally cast (spun) iron pipe epoxy inside & outside IS:					
	17.44.1.3	15905	0	each	581.45	-	
1.22	17.56 17.56.1	Providing and fixing terminal guard: 100 mm					
	17.00.1	Hubless centrifugally cast (spun) iron pipe epoxy inside & outside IS:					
	17.56.1.3	15905	0	each	427.80	-	
1.23	47 574	Providing and fixing shielded coupling for Hubless centrifugally cast					
	17.57A 17.57A.1	iron pipes 100 mm					
	17.57A.1.1	S S 304 grade coupling with EPDM rubber gasket	10	each	432.05	4,320.50	
1.24		Providing and fixing M.S. stays and clamps for sand cast				,	
	17.59	iron/centrifugally cast (spun) iron pipes of diameter :	0		100 70		
	17.59.1	100 mm Painting sand cast iron/ centrifugally cast (spun) iron soil, waste vent	0	each	139.70	-	
1.25		pipes and fittings with two coats of synthetic enamel paint of any colour					
1.25		such as chocolate grey, or buff etc. over a coat of primer (of approved					
	17.65 17.65.1	quality) for new work : 100 mm diameter pipe	0	meter	82.80	-	
	17.00.1	Providing and fixing M.S. holder-bat clamps of approved design to	0	meter	02.00		
		Sand Cast iron/cast iron (spun) pipe embedded in and including					
1.26		cement concrete blocks 10x10x10cm of 1:2:4 mix (1 cement : 2 coarse					
	17.37	sand : 4 graded stone aggregate 20mm nominal size) including cost of cutting holes and making good the walls etc. :					
	17.37.1	100 mm diameter pipe	0	each	362.85	-	
1.27	40.40	Providing and fixing G.I. soil / waste pipes complete with G.I. fittings					
	18.10 18.10.4	and clamps, i/c cutting and making good the walls etc. 32 mm dia. nominal bore	5	metre	667.00	3,335.00	
	18.10.5	40 mm dia. nominal bore	5	metre	811.90	4,059.50	
	18.10.6	50 mm dia. nominal bore	5	metre	1,048.35	5,241.75	
		Providing and fixing trap of self cleansing design with screwed down or					
1.28	17.60	hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors :					
	17.60.1	100 mm inlet and 100 mm outlet					
		Hubless centrifugally cast (spun) iron epoxy	_		05 - 5-		
┝──┤	17.60.1.3	coated inside & outside as per IS:15905 Cutting holes up to 15 x 15 cm in R.C.C. floors and roofs for passing	2	each	854.55	1,709.10	
		drain pipe etc. and repairing the hole after insertion of drain pipe etc.					
1.29		with cement concrete 1:2:4 (1 Cement : 2 course sand : 4 graded					
	18.77	stone aggregate 20 mm nominal size), including finishing complete so	0	000	452.00		
	10.//	as to make it leak proof. Providing & fixing in position GI 100x50 elbow floor drain including	0	each	452.00	-	
1.30		cost of cutting and making good the walls and floors wherever					
\mid	NSI-4	required.	0	each	1,541.00		-
1.31	NSI-5	Providing and fixing 125 mm dia S/S grating (with or without	4	each	620.00		2,480.00
	0-1011	hole)for floor or Nahani trap. Providing and fixing soap dish holder from wall of standard shape with	4	Cauli	020.00		∠,400.00
1.32		fittings of approved quality with all complete. Make Jaquar - ACN-					
└──┤	NSI-6	1131N & Equivalent	2	each	1,159.00		2,318.00
1.33		Providing and fixing soap dispenser with glass bottle from wall of standard shape with fittings of approved quality with all complete.					
	NSI-7	Make Jaquar - ACN-1135N & Equivalent	2	each	2,095.00		4,190.00
		Providing & fixing 600 mm towel rail long stanless steel from wall face					
1.34	NSI-8	with concealed fittings arrangement of approved quality with all	2	each	2,025.00		4,050.00
\vdash	0-1611	complete. Make Jaquar - CAN-1111SM Providing and fixing PTMT soap Dish Holder having length of 138mm,	۷	each	2,025.00		4,000.00
1.35		breadth 102mm, height of 75mm with concealed fitting arrangements,					
	18.65	weighing not less than 106 gms.	0	each	111.45	-	
136		Providing and fixing PTMT towel rail complete with brackets fixed to					
130	17.73	wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour.					
		600 mm long towel rail with total length of 645 mm, width 78 mm and					
	17.73.2	1000 min long lower rai war lotar lengar of 040 min, waar 70 min and	0	each	708.95	1	

	ESTIMATEC	DF FOR CONSTRUCTION OF ADDITIONAL DORMITORY & STAFF QUA PLUMBING INTERNAL ESTIMATE (Gues		I JNV KU	PWARA, JAMN	IU AND KASHN	/IR
S.No.	DSR '23	Description	<u>st House)</u> Qty.	Unit	Rate	Amoun	nt
	DON 23	Making khurras 45x45 cm with average minimum thickness of 5 cm	હાપુ.	Jint	ivale	Alloun	
		cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone					
		aggregate of 20 mm nominal size) over P.V.C. sheet 1 m x1 m x 400					
1.37		micron, finished with 12 mm cement plaster 1:3 (1 cement : 3 coarse					
		sand) and a coat of neat cement, rounding the edges and making and					
	12.22	finishing the outlet complete.	2	each	298.25	596.50	
		Providing and fixing on wall face unplasticised Rigid PVC rain water	-		200.20	000.00	
		pipes conforming to IS : 13592 Type A, including jointing with seal ring					
1.38		conforming to IS : 5382, leaving 10 mm gap for thermal expansion,					
		(i) Single socketed pipes.					
	12.41	() enigie conteteu pipoei	12	metre	377.40	4,528.80	
		Providing and fixing on wall face unplasticised - PVC moulded fittings/					
		accessories for unplasticised Rigid PVC rain water pipes conforming to					
1.39		IS : 13592 Type A, including jointing with seal ring conforming to IS :					
		5382, leaving 10 mm gap for thermal expansion.					
	12.42						
	12.42.1	Coupler					
	12.42.1.1	110 mm	6	each	136.15	816.90	
	12.42.3	Single tee with door					
	12.42.3.2	110x110x110 mm	2	each	234.15	468.30	
	12.42.5	Bend 87.5°	_	ouon	201110		
	12.42.5.2	110 mm	2	each	150.35	300.70	
	12.42.6	Shoe (Plain)	4		100.00	300.70	
	12.42.6.1	110 mm Shoe	2	each	131.85	263.70	
	12.42.0.1		۷	CaUII	101.00	203.70	
		Providing and fixing unplasticised -PVC pipe clips of approved design					
		to unplasticised - PVC rain water pipes by means of 50x50x50 mm					
1.40		hard wood plugs, screwed with M.S. screws of required length, including cutting brick work and fixing in cement mortar 1:4 (1 cement :)					
	12.43	4 coarse sand) and making good the wall etc. complete.					
	12.43	110 mm	4	each	371.30	1,485.20	
	12.43.2	Supplying and fixing of HDPE pipe (PE grade 63 - PN-8) confirming	4	Cauli	571.50	1,405.20	
		to IS 14333-1996 chemical waste pipes jointed with rubber ring with					
1.41		good quality lubricant with fittings inclussive of all necessary specials					
		like bends, tees, offsets,junctions etc laid under floor/under ceiling/on					
		walls with suitable clamps and specials curing, necessary chasing,					
		jointing and restoring to original conditions, testing etc. including all					
		other incidental charges etc. complete for successful completion of					
		work as per specifications, and as directed by Engineer -in- Charge.					
	NSI-9		0		4 5 40 00		
	a)	110 mm outer dia	0	metre	1,543.00		
	b)	50 mm outer dia	0	metre	558.00		
		Providing & fixing in position upvc P"or S" trap of self cleaning design of					
		following sizes for the embedded areas Making proper connection					
1.42		with chemical sealent joint , cutting chase / hole in floors /slabs and					
		bringing the same in proper condition in cement concrete 1:2:4 mix					
	NOI 40	complete as required. including cost of cutting and making good the	•		007.00		
	NSI-10	walls and floors wherever required.	0	each	627.00		
		Providing & Fixing water cooler wth stainless steel having storage					
		capacity of 80 liter & cooling capacity 60 liter / hour with Reverse					
1.43		osmosis system & ultra voilet membrane TDS reduction 90% having					
		automatic back wash system with filteration unit & all other required					
		accessories complete in all respect as per direction of the engineer in	•		05 00 4 00		
	NSI-11	charge .	0	each	65,604.00	00 504 45	07.050
		TOTAL				88,581.15	27,850
		Sub Head – II Water Supply					
21		Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c					
2.1	18.10	cutting and making good the walls etc.					
2.1	18.10						
2.1	18.10 18.10.2	cutting and making good the walls etc.	10	metre	437.30	4,373.00	
2.1		cutting and making good the walls etc. Internal work – Exposed on wall.	<u>10</u> 10	metre metre	437.30 551.70	4,373.00 5,517.00	
2.1	18.10.2	cutting and making good the walls etc. Internal work – Exposed on wall. 20 mm nominal outer dia Pipes					
2.1	18.10.2 18.10.3	cutting and making good the walls etc. Internal work – Exposed on wall. 20 mm nominal outer dia Pipes 25 mm nominal outer dia Pipes 32 mm nominal outer dia Pipes	10	metre metre	551.70 667.00	5,517.00	
2.1	18.10.2 18.10.3 18.10.4 18.10.5	cutting and making good the walls etc. Internal work – Exposed on wall. 20 mm nominal outer dia Pipes 25 mm nominal outer dia Pipes 32 mm nominal outer dia Pipes 40 mm nominal outer dia Pipes	10 5	metre metre metre	551.70 667.00 811.90	5,517.00 3,335.00	
2.1	18.10.2 18.10.3 18.10.4 18.10.5 18.10.6	cutting and making good the walls etc. Internal work – Exposed on wall. 20 mm nominal outer dia Pipes 25 mm nominal outer dia Pipes 32 mm nominal outer dia Pipes 40 mm nominal outer dia Pipes 50 mm nominal outer dia Pipes 50 mm nominal outer dia Pipes	10 5 0 0	metre metre metre metre	551.70 667.00 811.90 1,048.35	5,517.00 3,335.00 -	
2.1	18.10.2 18.10.3 18.10.4 18.10.5 18.10.6 NSI-12a	cutting and making good the walls etc. Internal work – Exposed on wall. 20 mm nominal outer dia Pipes 25 mm nominal outer dia Pipes 32 mm nominal outer dia Pipes 40 mm nominal outer dia Pipes 50 mm nominal outer dia Pipes 65 mm nominal outer dia Pipes 65 mm nominal outer dia Pipes	10 5 0 0 0	metre metre metre metre metre	551.70 667.00 811.90 1,048.35 1,084.00	5,517.00 3,335.00 - - -	
2.1	18.10.2 18.10.3 18.10.4 18.10.5 18.10.6	cutting and making good the walls etc. Internal work – Exposed on wall. 20 mm nominal outer dia Pipes 25 mm nominal outer dia Pipes 32 mm nominal outer dia Pipes 40 mm nominal outer dia Pipes 50 mm nominal outer dia Pipes 65 mm nominal outer dia Pipes 80 mm nominal outer dia Pipes 80 mm nominal outer dia Pipes	10 5 0 0	metre metre metre metre	551.70 667.00 811.90 1,048.35	5,517.00 3,335.00 - -	
2.1	18.10.2 18.10.3 18.10.4 18.10.5 18.10.6 NSI-12a	cutting and making good the walls etc. Internal work – Exposed on wall. 20 mm nominal outer dia Pipes 25 mm nominal outer dia Pipes 32 mm nominal outer dia Pipes 40 mm nominal outer dia Pipes 50 mm nominal outer dia Pipes 65 mm nominal outer dia Pipes 65 mm nominal outer dia Pipes 80 mm nominal outer dia Pipes 95 mm nominal outer dia Pipes 96 mm nominal outer dia Pipes 97 moninal outer dia Pipes 98 mm nominal outer dia Pipes Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes,	10 5 0 0 0	metre metre metre metre metre	551.70 667.00 811.90 1,048.35 1,084.00	5,517.00 3,335.00 - - -	
2.1	18.10.2 18.10.3 18.10.4 18.10.5 18.10.6 NSI-12a	cutting and making good the walls etc. Internal work – Exposed on wall. 20 mm nominal outer dia Pipes 25 mm nominal outer dia Pipes 32 mm nominal outer dia Pipes 40 mm nominal outer dia Pipes 50 mm nominal outer dia Pipes 50 mm nominal outer dia Pipes 65 mm nominal outer dia Pipes 80 mm nominal outer dia Pipes 80 mm nominal outer dia Pipes Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC	10 5 0 0 0	metre metre metre metre metre	551.70 667.00 811.90 1,048.35 1,084.00	5,517.00 3,335.00 - - -	
	18.10.2 18.10.3 18.10.4 18.10.5 18.10.6 NSI-12a	cutting and making good the walls etc. Internal work – Exposed on wall. 20 mm nominal outer dia Pipes 25 mm nominal outer dia Pipes 32 mm nominal outer dia Pipes 40 mm nominal outer dia Pipes 50 mm nominal outer dia Pipes 65 mm nominal outer dia Pipes 65 mm nominal outer dia Pipes 80 mm nominal outer dia Pipes Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m	10 5 0 0 0	metre metre metre metre metre	551.70 667.00 811.90 1,048.35 1,084.00	5,517.00 3,335.00 - - -	
	18.10.2 18.10.3 18.10.4 18.10.5 18.10.6 NSI-12a	cutting and making good the walls etc. Internal work – Exposed on wall. 20 mm nominal outer dia Pipes 25 mm nominal outer dia Pipes 32 mm nominal outer dia Pipes 40 mm nominal outer dia Pipes 50 mm nominal outer dia Pipes 65 mm nominal outer dia Pipes 65 mm nominal outer dia Pipes 80 mm nominal outer dia Pipes 90 mm nominal outer dia Pipes 91 mm nominal outer dia Pipes 92 mm nominal outer dia Pipes 93 mm nominal outer dia Pipes 94 mm nominal outer dia Pipes 95 mm nominal outer dia Pipes 95 nm nominal outer dia Pipes 96 nm stability for hot & cold water supply, including all CPVC 91ain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC	10 5 0 0 0	metre metre metre metre metre	551.70 667.00 811.90 1,048.35 1,084.00	5,517.00 3,335.00 - - -	
	18.10.2 18.10.3 18.10.4 18.10.5 18.10.6 NSI-12a	cutting and making good the walls etc. Internal work – Exposed on wall. 20 mm nominal outer dia Pipes 25 mm nominal outer dia Pipes 32 mm nominal outer dia Pipes 32 mm nominal outer dia Pipes 40 mm nominal outer dia Pipes 50 mm nominal outer dia Pipes 65 mm nominal outer dia Pipes 80 mm nominal outer dia Pipes 80 mm nominal outer dia Pipes 80 mm nominal outer dia Pipes 90 mm stability for hot & cold water supply, including all CPVC 91ain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m 91ain cludes jointing of pipes & fittings with one step CPVC 91ain cludes jointing of pipes & fittings with one step CPVC 91ain cludes jointing of pipes & fittings with one step CPVC 91ain cludes jointing of pipes & fittings with one step CPVC	10 5 0 0 0	metre metre metre metre metre	551.70 667.00 811.90 1,048.35 1,084.00	5,517.00 3,335.00 - - -	
	18.10.2 18.10.3 18.10.4 18.10.5 18.10.6 NSI-12a	cutting and making good the walls etc. Internal work – Exposed on wall. 20 mm nominal outer dia Pipes 25 mm nominal outer dia Pipes 32 mm nominal outer dia Pipes 32 mm nominal outer dia Pipes 50 mm nominal outer dia Pipes 65 mm nominal outer dia Pipes 65 mm nominal outer dia Pipes 80 mm nominal outer dia Pipes 80 mm nominal outer dia Pipes 90 mm nominal outer dia Pipes 91 moninal outer dia Pipes 92 mm nominal outer dia Pipes 93 mm nominal outer dia Pipes 94 mm nominal outer dia Pipes 95 mm nominal outer dia Pipes 95 mm nominal outer dia Pipes 96 mm nominal outer dia Pipes 90 mm spacing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in	10 5 0 0 0	metre metre metre metre metre	551.70 667.00 811.90 1,048.35 1,084.00	5,517.00 3,335.00 - - -	
2.1	18.10.2 18.10.3 18.10.4 18.10.5 18.10.6 NSI-12a NSI-12b	cutting and making good the walls etc. Internal work – Exposed on wall. 20 mm nominal outer dia Pipes 25 mm nominal outer dia Pipes 32 mm nominal outer dia Pipes 32 mm nominal outer dia Pipes 40 mm nominal outer dia Pipes 50 mm nominal outer dia Pipes 65 mm nominal outer dia Pipes 80 mm nominal outer dia Pipes 80 mm nominal outer dia Pipes 80 mm nominal outer dia Pipes 90 mm stability for hot & cold water supply, including all CPVC 91ain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m 91ain cludes jointing of pipes & fittings with one step CPVC 91ain cludes jointing of pipes & fittings with one step CPVC 91ain cludes jointing of pipes & fittings with one step CPVC 91ain cludes jointing of pipes & fittings with one step CPVC	10 5 0 0 0	metre metre metre metre metre	551.70 667.00 811.90 1,048.35 1,084.00	5,517.00 3,335.00 - - -	
	18.10.2 18.10.3 18.10.4 18.10.5 18.10.6 NSI-12a	cutting and making good the walls etc. Internal work – Exposed on wall. 20 mm nominal outer dia Pipes 25 mm nominal outer dia Pipes 32 mm nominal outer dia Pipes 32 mm nominal outer dia Pipes 40 mm nominal outer dia Pipes 50 mm nominal outer dia Pipes 65 mm nominal outer dia Pipes 80 mm nominal outer dia Pipes Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge.	10 5 0 0 0	metre metre metre metre metre	551.70 667.00 811.90 1,048.35 1,084.00	5,517.00 3,335.00 - - -	
	18.10.2 18.10.3 18.10.4 18.10.5 18.10.6 NSI-122 NSI-12b	cutting and making good the walls etc. Internal work – Exposed on wall. 20 mm nominal outer dia Pipes 25 mm nominal outer dia Pipes 32 mm nominal outer dia Pipes 34 mm nominal outer dia Pipes 50 mm nominal outer dia Pipes 65 mm nominal outer dia Pipes 80 mm nominal outer dia Pipes 80 mm nominal outer dia Pipes 90 mm nominal outer dia Pipes 91 mm nominal outer dia Pipes 92 mm nominal outer dia Pipes 93 mm nominal outer dia Pipes 94 mm nominal outer dia Pipes 95 mm nominal outer dia Pipes 90 mm nominal outer dia Pipes 91 mm nominal outer dia Pipes 92 mm nominal outer dia Pipes 93 mm nominal outer dia Pipes 94 mm nominal outer dia Pipes 95 mm nominal outer dia Pipes 95 mm nominal outer dia Pipes 90 mm nominal outer dia Pipes 91 mm nominal outer dia Pipes 92 mm nominal outer dia Pipes 93 mm nominal outer dia Pipes 94 mm nominal outer	10 5 0 0 0 0	metre metre metre metre metre	551.70 667.00 811.90 1,048.35 1,084.00 1,276.00	5,517.00 3,335.00 - - - - -	
	18.10.2 18.10.3 18.10.4 18.10.5 18.10.6 NSI-12a NSI-12b 18.8.8 18.8.2	cutting and making good the walls etc. Internal work – Exposed on wall. 20 mm nominal outer dia Pipes 25 mm nominal outer dia Pipes 32 mm nominal outer dia Pipes 40 mm nominal outer dia Pipes 50 mm nominal outer dia Pipes 65 mm nominal outer dia Pipes 80 mm nominal outer dia Pipes 80 mm nominal outer dia Pipes 80 mm nominal outer dia Pipes 90 mm nominal outer dia Pipes 91 mm nominal outer dia Pipes 92 mm nominal outer dia Pipes 93 mm nominal outer dia Pipes 94 mm nominal outer dia Pipes 95 mm nominal outer dia Pipes 95 mm nominal outer dia Pipes 96 mm nominal outer dia Pipes 97 monter dia Pipes 98 omm nominal outer dia Pipes 90 mm nominal outer dia Pipes 91 monter dia Pipes 92 mm a distability for hot & cold water supply, including all CPVC 93 pianter dia Pipes 94 mm a bipes 95 mm nominal outer dia Pipes 95 onter dia the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. 95 Concealed including cutting chases and making good the wall etc. 15	10 5 0 0 0 0 0	metre metre metre metre metre metre	551.70 667.00 811.90 1,048.35 1,084.00 1,276.00 , , , , , , , , , , , , , , , , , ,	5,517.00 3,335.00 - - - - - - - - - - - - - - - - - -	
	18.10.2 18.10.3 18.10.4 18.10.5 18.10.6 NSI-12a NSI-12b 18.8 18.8 18.8.2 18.8.3	cutting and making good the walls etc. Internal work – Exposed on wall. 20 mm nominal outer dia Pipes 25 mm nominal outer dia Pipes 32 mm nominal outer dia Pipes 50 mm nominal outer dia Pipes 50 mm nominal outer dia Pipes 65 mm nominal outer dia Pipes 80 mm nominal outer dia Pipes 80 mm nominal outer dia Pipes 80 mm nominal outer dia Pipes 9 outer dia Pipes 20 mm nominal outer dia Pipes	10 5 0 0 0 0 0 0	metre metre metre metre metre metre metre	551.70 667.00 811.90 1,048.35 1,084.00 1,276.00 1,276.00 537.60 627.25	5,517.00 3,335.00 - - - - - - - 5,376.00 5,645.25	
	18.10.2 18.10.3 18.10.4 18.10.5 18.10.6 NSI-12a NSI-12b 18.8.8 18.8.2	cutting and making good the walls etc. Internal work – Exposed on wall. 20 mm nominal outer dia Pipes 25 mm nominal outer dia Pipes 32 mm nominal outer dia Pipes 50 mm nominal outer dia Pipes 50 mm nominal outer dia Pipes 65 mm nominal outer dia Pipes 80 mm nominal outer dia Pipes Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed including cutting chases and making good the wall etc. 15 mm nominal outer dia Pipes 20 mm nominal outer dia Pipes 25 mm nominal outer dia Pipes	10 5 0 0 0 0 0	metre metre metre metre metre metre	551.70 667.00 811.90 1,048.35 1,084.00 1,276.00 , , , , , , , , , , , , , , , , , ,	5,517.00 3,335.00 - - - - - - - - - - - - - - - - - -	
2.2	18.10.2 18.10.3 18.10.3 18.10.5 18.10.6 NSI-12a NSI-12b 18.8 18.8 18.8 18.8.2 18.8.3 18.8.4	cutting and making good the walls etc. Internal work – Exposed on wall. 20 mm nominal outer dia Pipes 25 mm nominal outer dia Pipes 32 mm nominal outer dia Pipes 40 mm nominal outer dia Pipes 50 mm nominal outer dia Pipes 65 mm nominal outer dia Pipes 80 mm nominal outer dia Pipes 80 mm nominal outer dia Pipes 97 providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed including cutting chases and making good the wall etc. 15 mm nominal outer dia Pipes 20 mm nominal outer dia Pipes 25 mm nominal outer dia Pipes	10 5 0 0 0 0 0 0	metre metre metre metre metre metre metre	551.70 667.00 811.90 1,048.35 1,084.00 1,276.00 1,276.00 537.60 627.25	5,517.00 3,335.00 - - - - - - - 5,376.00 5,645.25	
2.2	18.10.2 18.10.3 18.10.4 18.10.5 18.10.6 NSI-12a NSI-12b 18.8 18.8 18.8.2 18.8.3 18.8.4 18.17	cutting and making good the walls etc. Internal work – Exposed on wall. 20 mm nominal outer dia Pipes 25 mm nominal outer dia Pipes 32 mm nominal outer dia Pipes 50 mm nominal outer dia Pipes 50 mm nominal outer dia Pipes 65 mm nominal outer dia Pipes 80 mm nominal outer dia Pipes Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed including cutting chases and making good the wall etc. 15 mm nominal outer dia Pipes 20 mm nominal outer dia Pipes 25 mm nominal outer dia Pipes	10 5 0 0 0 0 0	metre metre metre metre metre metre metre	551.70 667.00 811.90 1,048.35 1,084.00 1,276.00 1,276.00 537.60 627.25	5,517.00 3,335.00 - - - - - - - 5,376.00 5,645.25	
	18.10.2 18.10.3 18.10.3 18.10.5 18.10.6 NSI-12a NSI-12b 18.8 18.8 18.8 18.8.2 18.8.3 18.8.4	cutting and making good the walls etc. Internal work – Exposed on wall. 20 mm nominal outer dia Pipes 25 mm nominal outer dia Pipes 32 mm nominal outer dia Pipes 40 mm nominal outer dia Pipes 50 mm nominal outer dia Pipes 65 mm nominal outer dia Pipes 80 mm nominal outer dia Pipes 80 mm nominal outer dia Pipes 97 providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed including cutting chases and making good the wall etc. 15 mm nominal outer dia Pipes 20 mm nominal outer dia Pipes 25 mm nominal outer dia Pipes	10 5 0 0 0 0 0 0	metre metre metre metre metre metre metre	551.70 667.00 811.90 1,048.35 1,084.00 1,276.00 1,276.00 537.60 627.25	5,517.00 3,335.00 - - - - - - - 5,376.00 5,645.25	
2.2	18.10.2 18.10.3 18.10.4 18.10.5 18.10.6 NSI-12a NSI-12b 18.8 18.8 18.8.2 18.8.3 18.8.4 18.17	cutting and making good the walls etc. Internal work – Exposed on wall. 20 mm nominal outer dia Pipes 25 mm nominal outer dia Pipes 32 mm nominal outer dia Pipes 32 mm nominal outer dia Pipes 40 mm nominal outer dia Pipes 65 mm nominal outer dia Pipes 80 mm nominal outer dia Pipes 80 mm nominal outer dia Pipes 90 mm nominal outer dia Pipes 91 mm nominal outer dia Pipes 92 mm nominal outer dia Pipes 93 mm nominal outer dia Pipes 94 mm nominal outer dia Pipes 95 pin & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed including cutting chases and making good the wall etc. 15 mm nominal outer dia Pipes 20 mm nominal outer dia Pipes 25 mm nominal outer dia Pipes	10 5 0 0 0 0 0	metre metre metre metre metre metre metre metre	551.70 667.00 811.90 1,048.35 1,084.00 1,276.00 1,276.00 537.60 627.25 739.30	5,517.00 3,335.00 - - - - - - - - - - - - - - - - - -	
2.2	18.10.2 18.10.3 18.10.4 18.10.5 18.10.6 NSI-12a NSI-12b 18.8 18.8 18.8.2 18.8.3 18.8.4 18.17 18.17.1A	cutting and making good the walls etc. Internal work – Exposed on wall. 20 mm nominal outer dia Pipes 25 mm nominal outer dia Pipes 32 mm nominal outer dia Pipes 50 mm nominal outer dia Pipes 50 mm nominal outer dia Pipes 65 mm nominal outer dia Pipes 80 mm nominal outer dia Pipes 80 mm nominal outer dia Pipes Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed including cutting chases and making good the wall etc. 15 mm nominal outer dia Pipes 20 mm dia. nominal outer dia Pipes 20 mm dia. nominal outer dia Pipes	10 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	metre metre metre metre metre metre metre metre metre each	551.70 667.00 811.90 1,048.35 1,084.00 1,276.00 1,276.00 537.60 627.25 739.30 539.95	5,517.00 3,335.00 - - - - - - - - - - - - - - - - - -	
2.2	18.10.2 18.10.3 18.10.4 18.10.5 18.10.6 NSI-12a NSI-12b 18.8 18.8 18.8.2 18.8.3 18.8.4 18.17 18.17.1A	cutting and making good the walls etc. Internal work – Exposed on wall. 20 mm nominal outer dia Pipes 25 mm nominal outer dia Pipes 32 mm nominal outer dia Pipes 50 mm nominal outer dia Pipes 65 mm nominal outer dia Pipes 80 mm nominal outer dia Pipes 80 mm nominal outer dia Pipes 80 mm nominal outer dia Pipes 9 roviding and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed including cutting chases and making good the wall etc. 15 mm nominal outer dia Pipes 20 mm nominal outer dia Pipes Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end):	10 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	metre metre metre metre metre metre metre metre metre each each	551.70 667.00 811.90 1,048.35 1,084.00 1,276.00 1,276.00 537.60 627.25 739.30 539.95 622.40	5,517.00 3,335.00 - - - - - - - - - - - - - - - - - -	

	ESTIMATE O	DF FOR CONSTRUCTION OF ADDITIONAL DORMITORY & STAFF QU/ PLUMBING INTERNAL ESTIMATE (Gue		T JNV KU	PWARA, JAN	IMU AND KASH	IMIR
S.No.	DSR '23	Description	Qty.	Unit	Rate	Amou	unt
2.4	18.18	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete :					
	18.18.3	25 mm nominal bore		each	464.05		
2.5	NSI-13	Providing and fixing hand held ablution fitting (health faucet) with 1.2 meter long flexible tube and wall hook, all complete approved engineer- in-charge	2	each	2,373.00		4,746.00
2.6	NSI-14	Supply and fixing of 15mm CP brass 2 -Way Bib Cock with wall flange and suitable length CP brass extension pipe all of approved engineer-in- charge	2	each	2,654.00		5,308.00
2.7	18.48	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank	1,000	per litre	11.00	11,000.00	
2.8	18.51	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms.					
	18.51.1	15 mm nominal bore		each	796.95		
2.9	18.52	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931.					
	18.52.1	15 mm nominal bore			670.45		
2.10	18.53	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931					
	18.53.1	15mm nominal bore	10	each	574.30	5,743.00	
2.11	18.21	Providing and fixing uplasticised PVC connection pipe with brass unions :					
	18.21.2	45 cm length					
	18.21.2.1	15 mm nominal bore	10	each	97.75	977.50	
2.12	18.22	Providing and fixing C.P. brass shower rose with 15 or 20 mm inlet :					
	18.22.2	150 mm diameter	0	each	222.35	-	
2.13	17.22B	Providing and fixing CP Brass Single lever telephonic wall mixer of quality & make as approved by Engineer in charge.					
2.14		 (a) 15 mm nominal dia Providing, Fixing, testing and commissioning of CP Brass 150 mm x 150 mm Shower head with wall flange with all accessories as required and making good the walls wherever required. (MAKE-JAQUAR - 	2	each	6,940.75	13,881.50	
2.15	NSI-15	Model No- OHS-35495 or EQUIVALENT.) Supply ,Erection , Testing & Commissioning of Automatic water level control panel & related accessories for pumping automation with consisting of automatic water level controller , level sensor with stainless steel probe, motorized butterfly valve, motorized valve	1	each	4,875.00		4,875.00
	NSI-16 a	controller with complete in all respect. upto 50 mm dia. nominal bore	1	each	26,947.00		26,947.00
	a	TOTAL	I	eauit	20,947.00	60,390.85	26,947.00 41,876.00

ESTIN	ESTIMATE OF FOR CONSTRUCTION OF ADDITIONAL DORMITORY & STAFF QUARTERS AT JNV KUPWARA, JAMMU AND KASHMIR									
	SUMMARY SHEET OF Guest House Electrical Work									
Sl.No.	Name of Work	TOTAL AMOU	NT(IN RS.)							
51.110.		DSR-2022	MR							
Ι	SUB HEAD - I: CIRCUIT CUM POINT WIRING	144,713.00	-							
II	SUBHEAD -II - FITTINGS & FIXTURES	10,920.00	13,741.84							
III	SUBHEAD - III - DISTRIBUTION BOARDS	16,765.00	-							
IV	SUB HEAD-IV , LIGHTNING CONDUCTOR	23,257.00								
	TOTAL	195,655.00	13,741.84							
	Say in lacs	1.96	0.14							

	EST	IMATE OF FOR CONSTRUCTION OF ADDITIONAL DORMITORY & STAFF QUARTERS		V KU	PWARA, JAM	IMU AND KA	SHMIR	
S.No.	DSR-2022/NSI	Detailed Estimate for ELECTRICAL Works GUEST H Description	OUSE Unit	Qty	Ra		Amou	int
		SUB HEAD - I: CIRCUIT CUM POINT WIRING			DSR-2022	NSI	DSR-2022	NSI
1	DSR 1.10	SWITCH CONTROL LIGHT POINTS Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.	D : (21	1 467 00		20.007.00	
1.1	DSR 1.10.3	Group C	Point	21	1,467.00		30,807.00	
2	DSR-1.55	Wiring for group controlled (looped) light point/fan point/exhaust fan point/ call bell point (without Independent switch etc.) with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed PVC conduit, and earthing the point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable etc as required. (Switch Control Secondary Points)	Point	2	858.00		1,716.00	
2.1	DSR-1.55.3	Group C		_			-,,	
3	DSR-1.3	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required. (Switch Control Primary Points)						
3.1	DSR-1.3.3	Group C	Point	0	1,845.00		-	
4	DSR-1.54	Wiring for group controlled (looped) light point/fan point/exhaust fan point/ call bell point (without Independent switch etc.) with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit, and earthing the point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable etc as required. (Switch Control Secondary Points)						
4.1	DSR-1.54.3	Group C	Point	0	1,094.00		-	
5	NSI-1	MCB CONTROL LIGHT POINTS Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required. (Switch Control Primary Points)						
5.1	NSI-1.1	Primary point controlled by one MCB.	Point	0		1,523.13		-
5.2	NSI-1.2	Same as item above but Secondary point . i.e. Points to be looped with Primary point with 2.5 sqmm wire and Point wiring	Point	0		1,354.89		-
6	DSR 1.5	Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit alongwith 1 No. 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	Metre	30	433.00		12,990.00	
7	DSR 1.7	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC						
7.1	DSR 1.7	insulated copper conductor, single core cable in surface/ recessed steel conduit as required. 2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	Metre	0	327.00			
7.1	DSR 1.7.1 DSR 1.7.2	$2 \times 1.5 \text{ sq. mm} + 1 \times 1.5 \text{ sq. mm}$ earth wire 2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	Metre		327.00		33,210.00	
7.3	DSR 1.7.4	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	Metre	45	589.00		26,505.00	
7.4	DSR 1.7.5 DSR 1.7.10	2 x 10 sq. mm + 1 x 10 sq.mm earth wire 4 X 10 sq. mm + 2 X 6 sq. mm earth wire	Metre Metre	0 25	710.00 1,166.00		- 29,150.00	
7.6	DSR 1.7.11	4×16 sq. mm + 2×6 sq. mm earth wire	Metre		1,645.00		-	
8	DSR 1.31	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess including providing and fixing 3 pin 5/6 Amp modular socket outlet and 5/6 A modular switch, connection etc. as required.	Each	6	477.00		2,862.00	
9	NSI-2	Supply and Wiring for 250 volts single phase and neutral 2 Nos 6 amps socket outlate with control by 1 No switched with 2.5 sq.mm PVC insulated copper conductor 1100 volts grade stranded flexible FRLS wires in concealed or surface mounted 25 mm dia 2mm thick PVC conduit including providing and fixing of 6 amps 3 pin switch socket outlet of aprpoved make and design in 2 mm thick GI box with grid plate and earthing of third pin of the socket with 2.5 Sq. mm PVC insulated copper conductor stranded flexible FRLS wire.(maximum four no. of switches socket shall be connected on one circuit)	Each	0		1,781.84		-
10	DSR 1.32	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.	Each	6	586.00		3,516.00	
11	NSI-3	Supplying and fixing 63 A, 415 V, TPN Industrial type socket outlet, with 4 pole and earth, metal enclosed plug top alongwith 63 A "C" curve, TPMCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket outlet and complete with connections, testing and commissioning etc. as required.	Each	0		11,284.98		-
12	NSI-4	Supplying and fixing 80 A, 415 V, TPN Industrial type socket outlet, with 4 pole and earth, metal enclosed plug top alongwith 80 A "C" curve, TPMCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket outlet and complete with connections, testing and commissioning etc. as required.	Each	0		17,343.23		-
13	DSR-1.33	Supplying and fixing 3 pin, 5 A ceiling rose on the existing junction box/ wooden block including						
15	D3K-1.33	connections etc. as required.	Each	2	87.00		174.00	
14	DSR-1.57	Supplying & fixing suitable size GI box wih modular plate and cover in front on surface or in recess i/c providing and fixing 25 amp modular socket outlet and 25 Amps modular SP MCB, "C" curve including connection, painting etc. as required. (AC's & Gysers)	Each	5	727.00		3,635.00	
15	DSR 1.24	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box						
15.1	DSR 1.24	including connections but excluding modular plate etc. as required. Telephone socket outlet	Nos	1	148.00		148.00	
16	DSR 1.27	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required.						
16.1 16.2	DSR 1.27.1 DSR 1.27.4	1 or 2 Module (75mmX75mm) 6 module (78mm X 205 mm X 50 mm)	Nos Nos	0	298.00 402.00		-	
10.4	DOX 1.47.4			Ŭ	.02.00			

		Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for						
17	DSR 1.24	modular switches in recess etc. as required.						
17.1 17.1	DSR 1.24.4 DSR 1.24.1	3 pin, 5/6 amps socket outlet 5/6 amps switch	Each Each	0	122.00 103.00		-	
18	DSR 1.21	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as						
18.1	DSR 1.21.2	required. 25 mm	Mtr	0	145.00		-	
18.2	DSR 1.21.2 DSR 1.21.3	32 mm	Mtr	0	145.00		-	
		TOTAL CARRIED TO SUMMARY FOR SUBHEAD - I					144,713.00	-
		SUBHEAD -II - FITTINGS & FIXTURES						
		SUBHEAD -II - FITTINGS & FIXTURES						
1	NSI-1	Supply, Installation, Testing and Commissioning of 10 W Bulk head Light.	Each	0		1,158.20		-
2	NSI-2	Supply, Installation, Testing and Commissioning of 5W Mirror Light.	Each	2		445.46		890.92
3	NSI-3	Supply, Installation, Testing and Commissioning of 18W Surface/Recessed Mounted LED circular						
5	1131-3	Downlighter.	Each	0		1,470.02		-
4	NSI-4	Supply, Installation, Testing and Commissioning of 18/20W Wall/Surface mouted 4 ft. LED	Each	3		1,336.38		4,009.14
5	NSI-5	Supply, Installation, Testing and Commissioning of 15W Surface mounted LED Square						
5	N81-5	Downlighter.	Each	2		1,380.93		2,761.85
6	NSI-6	Supply, Installation, Testing and Commissioning of 150 W CHANDELIER	Each	0		89,091.94		-
-	NO	Supply, Installation, Testing and Commissioning of 12/9W Recessed mounted LED circular						
7	NSI-7	Downlighter.	Each	0		1,069.10		-
8	NSI-8	Supply, Installation, Testing and Commissioning of 9W (Nominal) Wall Bracket Light	Each	7		222.73		1,559.11
		Supply, Installation, Testing and Commissioning of 1200 mm sweep, BEE 5 star rated, ceiling fan						
		with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. blades, 30 cm long						
9	DSR 1.21	down rod, 2nos. canopies, shackle kit, safety rope, copper winding, Power Factor not less than 0.9, Service Value (CM/M/W) minimum 6.00, Air delivery minimum 210 Cum/Min , 350 RPM						
,	D3K 1.21	(tolerance as per IS : 374-2019),THD less than 10%, remote or electronic regulator unit for speed						
		control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 degree C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single						
		nhase AC Sunnly earthing etc. complete as required	Each	4	2,730.00		10,920.00	-
10	NSI-9	Supply Installation, Testing and Commissioning of 250 mm dia Domestic Exhaust Fan	Each	2		2,260.41		4,520.82
		TOTAL CARRIED TO SUMMARY FOR SUBHEAD - II					10,920.00	13,741.84
		SUBHEAD - III - DISTRIBUTION BOARDS						
		Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board,						
1	DSR 2.3	240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without						
		MCB/RCCB/Isolator)						
1.1	DSR 2.3.1 DSR 2.3.2	6 way, Double door 8 way, Double door	Each Each	0	2,206.00 2,573.00		-	
1.3	DSR 2.3.3	12 way, Double door	Each	0	2,315.00		-	
		Supplying and fixing following way, three pole and neutral, sheet steel, MCB distribution board,						
2	DSR 2.4	415 volts, on surface/ recess complete with tinned copper busbar, neutral busbar, earth bar, din bar, detachable gland plate, interconnections, phosphatized and powder painted including earthing etc.						
2.1	DOD 0 44	as required. (But without MCB/ RCCB/ Isolator)	East	0	4.091.00			
2.1 2.2	DSR 2.4.1 DSR 2.4.2	4 way (4 + 12), Double door 6 way (4 + 18), Double door	Each Each	1	4,974.00		4,974.00	
2.3	DSR 2.4.3	8 way (4 + 24), Double door	Each	0	5,967.00		-	
		Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 V, TPN						
	DODAT	MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 A tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCBs (but without						
3	DSR 2.5	MCBs and incomer) as required . (Note :Vertical type MCB TPDB is normally used where 3 phase						
		outlets are required.)						
3.1	DSR 2.5.3	12 way (4 + 36), Double door	Each	0	12,833.00		-	
	DCD 2 10	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker						
4	DSR 2.10	suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.						
4.1 4.2	2.10.1 2.10.2	Single Pole Single Pole Neutral	Each Each	12 0	256.00 599.00		3,072.00	
	2.10.2		Lacii	v	579.00		-	
5	DSR 2.12	Supplying and fixing following rating, double pole, 240 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.						
5.1 5.2	DSR 2.12.1 DSR 2.12.2	40 A 63 A	Each Each	0	435.00 527.00		- 527.00	
	DON 2.12.2		Luvii		527.00		527.00	
6	DSR 2.13	Supplying and fixing following rating, four pole, 415 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.						
6.1 6.1	DSR 2.13.1	25 A 40 A	Each Each	0	970.00 970.00		-	
6.1 6.2	DSR 2.13.1 DSR 2.13.2	40 A 63 A	Each Each	0	970.00		-	
		Supplying and fixing following rating, double pole, (single phase and neutral), 240 V, residual						
7	DSR 2.14	current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB						
7.1	DSR 2.14.1	complete with connections, testing and commissioning etc. as required. 25 A	Each	0	2,028.00		-	
7.2	DSR 2.14.2	40 A	Each	0	2,642.00 2,722.00		- 8,166.00	
	DSR 2.14.3	63 A	Each	3	2,722.00		8,100.00	
8	DSR 2.11	Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as required.	Each	2	13.00		26.00	

		TOTAL CARRIED TO SUMMARY FOR SUBHEAD - III				16,765.00	-
VI		SUB HEAD-IV, LIGHTNING CONDUCTOR					
		LIGHTNING CONDUCTOR					
1	6.2	Providing and fixing of lightning conductor finial, made of 25 mm dia 300 mm long, G.I. tube, having single prong at top, with 85 mm dia 6 mm thick G.I. base plate including holes etc. complete as required.	Each	2.0	518.00	1,036.00	
2	6.3	Fixing of lightning conductor finial (single prong) with base plate including holes etc. complete as required.	Each	2.0	360.00	720.00	
3	6.4	Jointing copper / G.I. tape (with another copper/ G I tape, base of the finial or any other metallic object) by riveting / nut bolting/ sweating and soldering etc as required.	Metre	5.0	113.00	565.00	
4	6.7	Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For horizontal run)	Metre	40.0	126.00	5,040.00	
5	6.8	Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required. (For vertical run)	Metre	20.0	197.00	3,940.00	
6	6.10	Fixing of copper/ G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For vertical run)	Metre	10.0	162.00	1,620.00	
7	6.12	Providing and fixing testing joint, made of 20 mm X 3 mm thick G.I. strip, 125 mm long, with 4 nos. of G.I. bolts, nuts, chuck nuts and spring washers etc. complete as required.	Each	12.0	121.00	1,452.00	
8	5.4	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required. Details of cost for one Set	Each	1.0	7,472.00	7,472.00	
9	5.11	Providing and fixing 25 mm X 5 mm G.I. strip in 40 mm dia G.I. pipe from earth electrode including connection with G.I. nut, bolt, spring, washer excavation and re-filling etc. as required.	Metre	2.0	706.00	1,412.00	
		TOTAL SUB HEAD (VI)				23,257.00	

COST OF DEVELOPEMNT WORK

	COST OF DEVELOTEMINT WORK												
S.N.	DSR-23	Description	Qty	Unit	Rate	Amount on DSR-2023 (In RS.)	Amount on Non-DSR (In RS.)						
1		Cost of CC Road											
1.1	AOR	Earth Filling for Road				73,713.62							
1.2	AOR	Cost of CC Road	1,208.17	Sqm	3,569.06	4,312,013.37							
						4,385,726.99							
1	AOR	Cost of CC PATHWAY	1,047.30	Sqm	2,613.00	2,736,594.90							

	Analysis for I	Road Ear	th Filling			
S.N.	DESCRIPTION OF ITEM	DSR- 2023	QTY	UNIT	RATE (In Rs.)	AMOUNT (In Rs.)
1	Excavating, supplying and filling of local earth (including royalty) by mechanical transport upto a lead of 5km also including ramming and watering of the earth in layers not exceeding 20 cm in trenches, plinth, sides of foundation etc. complete					
	Near By Type 2, Type-3,Boys and Girls					
	Dormitory		3.63			
	-		19.44			
	-		15.92			
			13.14			
	-		13.09			
			40.01			
			105.23	Cum	700.50	73,713.62
						73,713.62

Image: Second Struct Tion OF ADDITIONAL DORMITOR's STAFF QUARTERS AT INV KUWARA, JAN Analysis of Road 10.00 mtr Length 3.50 mtr wide Image: Second Struct Tion and consolidation of sub grade with power road roller of 8 to 12 tonne capacity after excavating earth to an average of 22.5 cm depth, dressing to camber and consolidating with road roller including making good the undulations etc. and re-rolling the sub grade and disposal of surplus earth with lead upto 50 metres. 16.1 35.00 Sqm 218.90 7,661.5 Image: Second S	S.N.	DESCRIPTION OF ITEM	DSR-	QTY	UNIT	RATE	AMOUNT
Analysis of Road 10.00 mtr Length 3.50 mtr wide 1 Proparation and consolidation of sub grade with power road roller of 8 to 12 tome capacity after excavating earth to an average of 22.5 cm depth, dressing to camber and consolidating with road roller including making good the undulations etc. and re-rolling the sub grade and disposal of surplus earth with lead upto 50 metres. 16.1 35.00 Sqm 218.90 7,661.3 2 Earth work in excavation by mechanical means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated for the excavate soil as directed, within a lead of 50 m. 2.8			2023	-	DTEDS	(In Rs.)	(In Rs.)
1 Preparation and consolidation of sub grade with power road roller of 8 to 12 tonne capacity after excavating earth to an average of 22.5 cm depth, dressing to camber and consolidating with road roller including making good the unchlations etc. and re-rolling the sub grade and disposal of surplus earth with lead upto 50 metres. 16.1 35.00 Sqm 218.90 7,661.5 2 Larth work in excavation by mechanical means (Hydraulic excavator) /manual means in foundation trenches or drains (not exceeding 15 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including gressing of sides and ramming of Sqm 2.8 L L L L 2 All kinds of soil. 2.8.1 1.02 L </th <th></th> <th></th> <th></th> <th></th> <th></th> <th>AIJNVKU</th> <th>FVARA, JANIN</th>						AIJNVKU	FVARA, JANIN
excavating earth to an average of 22.5 cm depth, or depth including making good the unuluations set, and re-rolling the sub grade and disposal of surplus earth with lead upto 50 metres. 16.1 35.00 Sqm 218.90 7.661.5 1 1 35.00 Sqm 218.90 7.661.5 2 Earth work in excavation by mechanical means in foundation trenches or drains (not exceeding 1.5 m in kidth or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. 2.8	1) mtr Len	igth 5.50 mt	r wide		
dressing to camber and consolidating with road and re-rolling the sub grade and disposal of surplus earth with lead upto 50 metres. 16.1 35.00 Sqm 218.90 7,661.5 2 Earth work in excavation by mechanical means (Hydraulic excavator) /manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. 2.8							
roller including making good the undulations etc. and re-rolling the sub grade and disposal of surplus earth with lead up to 50 metres. 16.1 35.00 Sum 218.90 7,661.5 2 Farth work in excavation by mechanical means foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. 2.8							
and re-rolling the sub grade and disposal of surplus earth with lead up to 50 metres. 16.1 35.00 Sqm 218.90 $7,661.5$ \sim \sim 35.00 Sqm 218.90 $7,661.5$ \sim		U U					
surplus earth with lead up to 50 metres. 16.1 35.00 Sqm 218.90 7,661.3 2 Earth work in excavation by mechanical means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. 2.8							
16.1 35.00 Sqm 218.90 7,661.5 2 Earth work in excavation by mechanical means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. 2.8							
2 Earth work in excavation by mechanical means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. 2.8		surplus earth with lead upto 50 metres.	16.1	35.00			
(Hydraulic excavator) / nanual means in foundation trenches or drains (not exceeding 1.5 n in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.Lass 2.8Lass aLass 				35.00	Sqm	218.90	7,661.50
(Hydraulic excavator) / nanual means in foundation trenches or drains (not exceeding 1.5 n in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.Lass 2.8Lass a <thl< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></thl<>							
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m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.substance 2.8substance 4.8substance 4.8substance 4.8substance 4.8substance 4.8substance 4.8substance 4.8substance 4.8substance 4.8substance 4.8substance 							
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excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. 2.8 Image: second structure in the second struc		ş					
soil as directed, within a lead of 50 m. 2.8 Image: soil as directed, within a lead of 50 m. 2.8 2.8 Image: soil as directed, within a lead of 50 m. All kinds of soil. 2.8 10.02 Image: soil as directed, within a lead of 50 m. All kinds of soil. 2.81 10.02 Cum 260.30 3 Supplying and stacking at site. 16.3 Image: soil as directed, within a lead of 50 m. 200 m. 90 mm to 45 mm size stone aggregate 16.31 4.55 Cum 2,098.40 9,9547.1 4 63 mm to 45 mm size stone aggregate 16.32 3.50 Image: soil as directed, additional size 16.32 3.50 Image: soil additional size 4 63 mm to 45 mm size stone aggregate 16.32 3.50 Image: soil additional size Image: soil add							
All kinds of soil. 2.8.1 1.02 Image: Constraint of the second sec							
All kinds of soil. 2.8.1 1.02 Image: Constraint of the second sec			2.0				
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$		All kinds of soil		1.02			
3 Supplying and stacking at site. 16.3			2.0.1		Cum	260.30	265.51
Image: starting of the second system of t	3	Supplying and stacking at site.	16.3				
Image: Marking and shuttering - All work up to plinth level : Image: Marking		90 mm to 45 mm size stone aggregate	16.3.1	4.55			
Image: construction of the second system				4.55	Cum	2,098.40	9,547.72
Image: construction of the second system	4		1(0.0	2.50			
Image: stone screening 13.2 mm nominal size 16.3.6 0.35 Image: stone screening 13.2 mm nominal size 5 stone screening 13.2 mm nominal size 16.3.6 0.35 Image: stone screening 13.2 mm nominal size 6 Red stone screening 13.2 mm nominal size 16.3.8 0.35 Image: stone screening 13.2 mm nominal size 6 Red bajri Image: stone screening 13.2 mm nominal size Image: stone screening 13.2 mm nominal size Image: stone screening 13.2 mm nominal size 6 Red bajri Image: stone screening 13.2 mm nominal size Image: stone screening 14.2 mm nominal size Image: stone screening 14.2 mm nominal size Image: stone screening 14.1 mm nominal screening 14.1 mm nominal scre Image: stone screening 14.	4	63 mm to 45 mm size stone aggregate	16.3.2		Cum	1 626 05	5 726 19
Image: constraint of the systemImage: constraint of				3.50	Culli	1,030.03	5,720.10
Image: constraint of the systemImage: constraint of	5	stone screening 13.2 mm nominal size	16.3.6	0.35			
Image: constraint of the second state of the secon		-		0.35			
Image: state of the system				0.70	Cum	2,034.35	1,424.05
Image: state of the system							
Image: constraint of the second systemImage: constraint of the second system7Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :Image: constraint of the second systemImage: constraint of the second systemImage: constraint of the second systemImage: constraint of the second system1:5:10 (1 cement : 5 coarse sand (zone-III): 10 graded stone aggregate 40 mm nominal size)Image: constraint of the second systemImage: constraint of the second systemImage: constraint of the second system4.1.100.45Image: constraint of the second systemImage: constraint of the second systemImage: constraint of the second systemImage: constraint of the second system	6	Red bajri	16.3.8				
7 Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 4.1 4.1 1:5:10 (1 cement : 5 coarse sand (zone-III): 10 graded stone aggregate 40 mm nominal size) 4.1.10 0.45						1 5 (1 0 0	1 0 40 40
of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 4.1 1:5:10 (1 cement : 5 coarse sand (zone-III): 10 graded stone aggregate 40 mm nominal size) 4.1.10 0.45				0.67	Cum	1,564.90	1,048.48
of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 4.1 1:5:10 (1 cement : 5 coarse sand (zone-III): 10 graded stone aggregate 40 mm nominal size) 4.1.10 0.45	7	Providing and laving in position cement concrete					
4.1 1:5:10 (1 cement : 5 coarse sand (zone-III): 10 graded stone aggregate 40 mm nominal size) 4.1.10	-	0 , 0 1					
1:5:10 (1 cement : 5 coarse sand (zone-III): 10 graded stone aggregate 40 mm nominal size)4.1.100.45		and shuttering - All work up to plinth level :					
graded stone aggregate 40 mm nominal size) 4.1.10 0.45			4.1				
4.1.10 0.45							
		graded stone aggregate 40 mm nominal size)	4.1.10	0.45			
			-		Cum	6,518.60	2,933.37

S.N.	DESCRIPTION OF ITEM	DSR- 2023	QTY	UNIT	RATE (In Rs.)	AMOUNT (In Rs.)
8	Laying, spreading and compacting stone aggregate of specified sizes to WBM specifications in uniform thickness, hand picking, rolling with 3 wheeled road / vibratory roller 8- 10 tonne capacity in stages to proper grade and camber, applying and brooming requisite type of screening / binding material to fill up interstices of coarse aggregate, watering and compacting to the required density.					
		16.4				
	Qty same as 63-45 mm size Stone Aggregate	1011	3.50			
	Qty same as 90-45 mm size Stone Aggregate		4.55			
			8.05	Cum	1,046.95	8,427.95
9	Providing and laying at or near ground level factory made kerb stone of M-25 grade cement concrete in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement: 3 coarse sand), including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm), including making drainage opening wherever required complete etc. as per direction of Engineer-in- charge (length of finished kerb edging shall be measured for payment). (Precast C.C. kerb stone shall be approved by Engineer-in charge).	16.69	1.35			
			1.35	Cum	10,117.60	13,658.76
10	Providing and laying C.C. pavement of mix M-25 with ready mixed concrete from batching plant. The ready mixed concrete shall be laid and finished with screed board vibrator , vacuum dewatering process and finally finished by floating, brooming with wire brush etc. complete as per specifications and directions of Engineer-incharge. (The panel shuttering work shall be paid for separately). (Note:- Cement content considered in this item is @ 330 kg/cum. Excess/less cement used as per design mix is payable/ recoverable separately).					
		16.75				
			5.25 5.25	Cum	9,823.80	51,574.95
			5.25	Culli	2,023.00	51,074.90
11	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.					
	15 v 51.	5.22				

S.N.	DESCRIPTION OF ITEM	DSR- 2023	QTY	UNIT	RATE (In Rs.)	AMOUNT (In Rs.)
	Thermo-Mechanically Treated bars of grade Fe- 500D or more.	5.22.6	210.00			
			210.00	Cum	107.85	22,648.50
	Total Cost for 35.00 Sqm					124,916.97
	Cost For Per Sqm Area					3,569.06

	JAMMU AND KASHMIF	_	. (1			
S1.	Analysis of 10 mtr Length and 2.00 mtr. DESCRIPTION OF ITEM	DSR-	athway		RATE	AMOUNT
No.		2023	QTY	UNIT	(In Rs.)	(In Rs.)
	Take 10.00x2.0 mtr =20.00 Sqm				, ,	, ,
1	Earth work in excavation by mechanical means (Hydraulic excavator)	1				
	/ manual means over areas (exceeding 30cm in depth. 1.5m in width as well as 10 sqm on plan) including disposal of excavated earth, lead					
	up to 50m and lift up to 1.5m, disposed earth to be levelled and nearly					
	dressed.					
		2.6				
	All kinds of soil	2.6.1	2.04			
			2.04	Cum	177.50	362.10
2	Filling available excavated earth (excluding rock) in trenches, plinth,					
	sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up					
	to 50 m and lift upto 1.5 m.					
		2.25	• • •			
	Total Excavation		2.04	Cum		
	Qty. of PCC 1.5.10		-0.60 1.44	Cum	106.00	282.24
			1.44	Cum	196.00	202.24
3	Providing and laying in position cement concrete of specified grade					
	excluding the cost of centering and shuttering. All work upto plinth level.					
	1:5:10 (1 cement : 5 coarse sand (zone-III): 10 graded stone aggregate					
	40 mm nominal size).	4.1.10	0.60	Cum		
			2.00	Cum		
			2.60	Cum	6,518.60	16,948.36
4	C/s for Mass Concrete	5.9.1	4.00	Sqm	392.15	1,568.60
5	Providing and laying 60mm thick faciory made cement concrete interlocking paver block of M -30 grade made by block making					
	machine with strong vibratory compaction, of approved s;ze, design	1				
	& shape, laid in required colour and pattern over and including 50mm					
	thick compacted bed of coarse sand, filling the joints with line sand					
	etc. all complete as per the direction of Engineer-in-charge.					
		16.68	20.00	Sqm	972.00	19,440.00
6	Providing and laying at or near ground level factory made kerb stone					
	of M-25 grade cement concrete in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement: 3 coarse					
	sand), including making joints with or without grooves (thickness of					
	joints except at sharp curve shall not to more than 5mm), including					
	making drainage opening wherever required complete etc. as per					
	direction of Engineer-in-charge (length of finished kerb edging shall					
	be measured for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge).					
		16.69	1.35	Cum	10,117.60	13,658.76
	1			ı	Total=	52,260.06
		CO	ST OF 2	0.00 Sqm	. Footpath =	52,260.06
			Cost of	1.00 Sqm	. Footpath =	2,613.00
					SAY RS. =	2,613.0

S1. No.	DESCRIPTION OF ITEM	DSR- 2023	QTY	UNIT	RATE (In Rs.)	AMOUNT (In Rs.)

	<u>BILL OF QUANTITY</u>	FOR INT	ERNAL	<u>DRAIN</u>					
S.N.	DESCRIPTION OF ITEM	QTY	UNIT	RATE RS.	AMOUNT RS.				
	APRON DRAIN								
1	COST FOR DRAIN 230mm X 300mm								
	depth	435.00	Rm	2,319.95	1,009,180.21				
	EXTERNAL DRAIN								
1	COST FOR DRAIN 300mm X 450mm								
	depth	68.00	Rm	3,692.11	251,063.45				
				TOTAL	1,260,243.65				

		Analysis of Rate for Drain (230mm	x 300m	г <u>́</u> г		
S.N.	DSR-23	Description	Qty	Unit	Rate	Amount
1	2.8	Earth work in excavation by mechanical means				
		(Hydraulic excavator) / manual means in				
		foundation trenches or drains (not exceeding 1.5 m				
		in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m,				
		including getting out the excavated soil and				
		disposal of surplus excavated soil as directed,				
		within a lead of 50 m.				
	2.8.1	All kinds of soil.	0.62			
			0.62	Cum	260.30	161.39
2	2.25	Filling available excavated earth (excluding rock)				
		in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating				
		each deposited layer by ramming and watering,				
		lead up to 50 m and lift upto 1.5 m. (40% of Item				
		No. 1)	0.25	Cum	196.00	49.00
3	4.1	Providing and laying in position cement concrete				
		of specified grade excluding the cost of centering				
		and shuttering - All work up to plinth level :				
	4.1.3	1:2:4 (1 cement : 2 coarse sand : 4 graded stone				
		aggregate 20 mm nominal size)	0.01	Cum		
			0.02	Cum		
		Total	0.03	Cum	7 <i>,</i> 878.50	236.36
4	4110	1.5.10 (1 Computer 5 course and 1.10 graded store				
4	4.1.10	1:5:10 (1 Cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size).	0.08	cum	6,518.60	521.49
		aggregate 40 min nonman size).	0.00		-,	0_111/
5	6.1	Brick work with F.P.S. bricks of class designation				
		75 in foundation and plinth in:				
	6.1.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	0.14			
			0.14	cum	7,132.25	998.52
	10 -					
6	13.7	12 mm cement plaster on rough side of single or				
		half brick wall finished with a floating coat of neat cement of mix :				
	13.7.2	1:4 (1 cement: 4 fine sand)	0.60			
		, , ,	0.23			
			0.83	sqm	425.55	353.21
		Total		T		2,319.95

		Analysis of Rate for Drain (300mm				
S.N.	DSR-23	Description	Qty	Unit	Rate	Amount
			-			
1		Earth work in excavation by mechanical means				
		(Hydraulic excavator) / manual means in				
		foundation trenches or drains (not exceeding 1.5 m				
		in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m,				
		including getting out the excavated soil and				
		disposal of surplus excavated soil as directed,				
	2.8	within a lead of 50 m.				
	2.8.1	All kinds of soil.	1.06			
			1.06	Cum	260.30	275.92
2	2.25	Filling available excavated earth (excluding rock)				
		in trenches, plinth, sides of foundations etc. in				
		layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering,				
		lead up to 50 m and lift upto 1.5 m. (40% of Item				
		No. 1)				
			0.06	Cum		
			0.12	Cum		
			0.35	Cum		
				6	106.00	
			0.53	Cum	196.00	103.88
		Providing and laving in position compart concrete				
3		Providing and laying in position cement concrete of specified grade excluding the cost of centering				
		and shuttering - All work up to plinth level :				
	4.1					
	110	1:2:4 (1 cement : 2 coarse sand : 4 graded stone				
	4.1.3	aggregate 20 mm nominal size)	0.01	Cum		
			0.02	Cum		
		Total	0.03	Cum	7,878.50	236.36
4	4.1.10	1:5:10 (1 cement : 5 coarse sand : 10 graded stone				
т	4.1.10	aggregate 40 mm nominal size)	0.12			
			0.12	cum	6,518.60	782.23
5	6.1	Brick work with F.P.S. bricks of class designation				
		75 in foundation and plinth in:				
	6.1.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	0.14			
			0.11			
			0.25	cum	7,132.25	1,783.06
		10 mm compatible tar an analysis to the total				
6		12 mm cement plaster on rough side of single or half brick wall finished with a floating coat of neat				
	13.7	cement of mix :				
	13.7.2	1:4 (1 cement: 4 fine sand)	0.90			
			0.30			
			1.20	sqm	425.55	510.66
			1.40	9411	120.00	510.00
		Total				3,692.11

	SUMMARY OF COST									
S.NO	NAME OF SUB-HEAD	DSR-2023	NON-DSR							
1	EXTERNAL WATER SUPPLY									
а	EXTERNAL FRESH WATER SUPPLY	748,897.33								
	Total C/F To Summary	748,897.33	-							

	EXTERNAL WATER SUPPLY								
S. No	DSR-2023	DESCRIPTION	UNIT	TOTAL QTY	RATE DSR	RATE NDSR	DSR-2021	NDSR	
1	2.1	Excavating trenches upto 1.5 meter depth in all kind of soil of required width for pipes. including excavation for sockets and dressing of sides ramming of bottoms including getting out the excavated soil & then returning the soil as required, in layers not exceeding 20 cm in depth including consolidating each deposited layer by ramming, watering, etc & disposing of surplus excavated soil as directed within a lead of 50m or as directed at site by engg-in-charge.							
	2.10.1	All kinds of soil							
	2.10.1.1	Pipes, cables etc, not exceeding 80 mm dia.	Rmt	344.40	215.60		74,252.64		
2	18.09	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings. This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge : External work							
	18.9.4	External work 32 mm dia nominal bore for horizontal surface	Rmt	291.83	438.60		127,996.64		
		for vertical							
	а	Boys Dormi;- (3.2x4+20)=32.80 meter	Rmt	32.80	438.60		14,386.08		
	b	Type-III (3.2x2+10= 16.40 meter	Rmt	16.40	438.60		7,193.04		
	с	Girls Dormi;- (3.2x2+10)=16.40 meter	Rmt	16.40	438.60		7,193.04		
	18.9.5	40 mm dia nominal bore	Rmt	52.57	563.05		29,599.54		
3	18.19	Providing and fixing gun metal non- return valve of approved quality (screwed end) :							
		40 mm nominal bore	NL	2.00	052 (0		1.005.20		
	18.19.3.1	Horizontal	Nos	2.00	952.60		1,905.20		
4	18.33	Construction of Masonary Chamber 60x60x75 inside in Brickwork Cement Mortar 1.6							
	18.33.1	With common burnt clay F.P.S.(non modular) bricks of class designation 7.5	Nos	42.00	10,862.40		456,220.80		
5	18.17	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :							
	18.17.2	32 mm nominal bore	Each	10.00	689.60		6,896.00		
6	18.17.3	40 mm nominal bore	Each	2.00	826.10		1,652.20		
U	18.46	Providing and fixing G.I. Union in GI pipe including cutting and threading the pipe and making long screws etc. complete(New work)							
	18.46.5	40 mm nominal bore	Each	2.00	631.30		1,262.60		
7	19.19	Providing and fixing in position pre-cast R.C.C. manhole cover and frame of required shape and approved quality							
	19.19.1 19.19.1.1	LD- 2.5 Rectangular shape 600*450 mm internal dimensions	Each	12.00	1,437.65		17,251.80		
					, ,00				
		TOTAL SECTION					748,897.33		

		ABSTRACT OF EXTERNAL SEWER				
S.N.	DSR-2023		UNIT	QTY	RATE DSR	AMOUNT
1	2.10	Excavating trenches of required width for pipes, cable, etc including excavation for sockets and dressing of sides, ramming of bottoms, depth upto 1.50m including getting out the excavated soil & then returning the soil as required, in layers not exceeding 20 cm in depth including consolidating each deposited layer by ramming, watering, etc & disposing of surplus excavated soil as				
	0 10 1	directed within a lead of 50m.				
	2.10.1 2.10.1.2	All kinds of soil Pipes cables etc. exceeding 80 mm dia. But not exceeding 300mm dia.	Mtr	256.30	352.15	90,256.05
2	19.6	Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete :				
	19.6.2	150 mm dia. R.C.C. pipe	Mtr	133.91	556.45	74,514.22
3	19.6.3	250 mm dia. R.C.C. pipe	Mtr	70.77	899.80	63,678.85
4	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
	4.1.10	1:5:10 (1 cement : 5 coarse sand (zone-III): 10 graded stone aggregate 40 mm nominal size).	Cum	11.37	6,518.60	74,116.48
5	5.9	Centering and shuttering including strutting, propping etc. and removal of form for :				
	5.9.1	Foundations, footings, bases of columns, etc. for mass concrete.	Sqm	60.93	392.15	23,893.70
6	19.7	Constructing brick masonry manhole in cement mortar 1 : 4 (1 cement : 4 coarse sand) with RCC top slab with 1 : 2 : 4 mix (1 cement : 2 coarse sand : 4 grade stone aggregate 20mm nominal size); foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size) inside plastering 12 mm thick with cement mortar 1:3 (1cement 3 coarse sand) finished with a floating coat of neat cement and making channels in cement concrete 1:2:4 (1cement : 2 coarse sand: 4 graded stone aggregate 20 mm nominal size) finishd with a floating coat of neat cement complete as per standard design				
	19.7.1	Inside size 90 x 80 cm & 45 cm deep including CI cover with frame (light duty) 455 x 610mm internal dimensions, total weight of cover & frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg)				
	19.7.1.1	With common burnt clay F.P.S.(non modular) bricks of classic designation 7.5	each	17.00	12,770.55	217,099.35
7	19.7.3	Inside size 120 x 90 cm & 90 cm deep including CI cover with frame (Medium duty) 560mm internal diameter, total wt. of cover & frame to be not less than 208 kg (wt. of cover 108 kg and wt. of frame 100 kg)				
	19.7.3.1	With common burnt clay F.P.S.(non modular) bricks of classic designation 7.5	each	6.00	32,857.85	197,147.10
8	19.8	Extra for depth for manholes:				
	19.8.1	size 90 X 80 cm				
	19.8.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	metre	4.25	8,825.40	37,507.95
9	19.8.2	size 120 X 90 cm				
	19.8.2.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	metre	1.50	10,585.50	15,878.25

S.N.	DSR-2023	DESCRIPTION	UNIT	QTY	RATE DSR	AMOUNT
10	19.4	Providing and fixing square mouth S. W. Gully trap class SP-1				
		complete with C.I. grating brick masonry chamber with water				
		tight CI cover with frame of 300 x 300 mm size (inside) the weight				
		of cover to be not less than 4.50 kg and frame to be not less than				
		2.70 kg as per standard design				
	19.4.3	180 x 150 mm. size P type				
	19.4.3.1	With common burnt clay F.P.S. (non modular) bricks of class				
		designation 7.5	each	10.00	2,802.15	28,021.50
11	19.15	Providing M.S. foot rests including fixing in manholes with				
		20x20x10 cm cement concrete blocks 1:3:6 (1 cement : 3 coarse sand				
		: 6 graded stone aggregate 20 mm nominal size) as per standard				
		design :				
	19.15.2	With 20 mm diameter round bar	each	29.00	496.50	14,398.50
		TOTAL OF SUB HEAD				836,511.94

ESTIN	MATE OF FOR CONSTRUCTION OF ADDITIONAL DO QUARTERS AT JNV KUPWARA, JAMMU AND KA						
	Cost of Septic Tank						
S.N.	DESCRIPTION OF WORK						
1	Septic Tank 100 User (1 nos)	563,186.98					
	Total	563,186.98					

E	STIMATE	OF FOR CONSTRUCTION OF ADDITIONAL DO KUPWARA, JAMMU AND K ABSTRACT FOR SEPTIC TANI	ASHMIR		QUARTERS	AI JNV
S No	DSR-23		-	Unit	Rate	Amount
<u>3.100.</u> 1	2.8	Description Earth work in excavation by mechanical means	Qty	Unit	Kate	Amount
1	2.0	(Hydraulic excavator) <i>I</i> manual means in				
		foundation trenches or drains (not exceeding 1.5				
		m in width or 10 sqm on plan) including dressing				
		of sides and ramming of bottoms, lift up to 1.5 m,				
		including getting out the excavated soil and				
		disposal of surplus excavated soil as directed,				
		within a lead of 50 m.				
	2.8.1	All kinds of soil. 0.00-1.50m	88.740	Cum	260.30	23,099.0
2	2.26.1	Earth work in excavation by mechanical means				
2	2.20.1	(Hydraulic excavator) <i>I</i> manual means in				
		foundation trenches or drains (not exceeding 1.5				
		m in width or 10 sqm on plan) including dressing				
		of sides and ramming of bottoms, lift up to 1.5 m,				
		including getting out the excavated soil and				
		disposal of surplus excavated soil as directed,				
		within a lead of 50 m.				
		All kinds of soil. 1.50-3.00m	38.510	Cum	126.80	4,883.0
3	2.25	Filling available excavated earth (excluding rock) in				
0	2.20	trenches, plinth, sides of foundations etc. in layers not				
		exceeding 20cm in depth, consolidating each deposited				
		layer by ramming and watering, lead up to 50 m and				
		lift up to 1.5 m.	22.190	Cum	196.00	4,349.2
4	4.1	Providing and laying in position cement concrete of				
4	4.1	specified grade excluding the cost of centering and				
		shuttering - All work up to plinth level :				
	4.1.10	1:5:10 (1 cement : 5 coarse sand (zone-III): 10 graded				
	4.1.10	stone aggregate 40 mm nominal size).	1.760	Cum	6,518.60	11,472.7
		store aggregate 40 min nonman size).			0,0 -0100	
	F 1	Droviding and laving in position aposition and of				
5	5.1	Providing and laying in position specified grade of				
		reinforced cement concrete excluding the cost of				
		centering, shuttering, finishing and reinforcement - All				
		work up to plinth level:				
	5.1.2	1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone				
		aggregate 20 mm nominal size)	17.920	Cum	9,045.75	162,099.8
6	5.9	Centering and shuttering including strutting, propping				
		etc. and removal of form for:				
a)	5.9.1	Foundations, footings, bases of columns, etc. for mass				
- /		concrete.	7.060	Sqm	392.15	2,768.5
b)	5.9.2	Walls (any thickness) including attached pilasters,				
,		butteresses, plinth and string courses etc.	94.440	Sqm	842.50	79,565.7
7	5.9.3	Suspended floors, roofs, landings, balconies and access				
,	0.9.0	platform.	11.070		007.05	11 000 1
		Philothin .	11.970	Sqm	927.25	11,099.1
8	5.9.5	Lintels, beams, plinth beams, girders, bressumers and				
		cantilevers.	3.486	Sqm	736.40	2,567.0
9	5.9.16	Edges of slabs and breaks in floors and walls.				
)		Under 20 cm wide	17.440	Meter	208.55	3,637.1
	5.9.16.1		UTT. II		200.00	5,057.1
10	5.00					
10	5.22	Reinforcement for R.C.C. work including straightening,				
		cutting, bending, placing in position and binding all				
	F 00 (complete.	4 505	1/-	1000	100 0/5 0
	5.22.6	Thermo-Mechanically Treated bars.	1,792.000	Kg	107.85	193,267.2
11	11.3	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand				
11	11.3	: 4 graded stone aggregate) finished with a floating coat				
		of neat cement, including				
		cement slurry, but excluding the cost of nosing of steps				
		etc. complete.				

S.No.	DSR-23	Description	Qty	Unit	Rate	Amount
	11.3.1	40 mm thick with 20 mm nominal size stone aggregate	11.970	Sqm	614.20	7,351.97
					011.20	7,001.77
12	13.16	6 mm cement plaster of mix :				
12	13.16.1	1:3 (1 cement : 3 fine sand)	52.980	Sqm	300.45	15,917.84
	15.10.1		52.900	Sqm	300.43	10,917.04
13	19.19	Providing and fixing in position pre-cast R.C.C. manhole cover and frame of required shape and approved quality				
	19.19.3	HD-20				
	19.19.3.1	Circular shape 560 mm internal diameter	2.00	Nos	1,675.70	3,351.40
14	19.16	Providing orange colour safety foot rest of minimum 6 mm thick plastic encapsulated as per IS : 10910 on 12mm dia steel bar conforming to IS : 1786 having minimum cross section as 23 mmx25mm and over all minimum length 263 mm and width as 165mm with minimum 112 mm space between protruded legs having 2 mm tread on top surface by ribbing or chequering besides necessary and adequate anchoring projections on tail length on 138 mm as per standard drawing and suitable to with stand the bend test and chemical resistance test as per specifications and having manufacture's permanent identification mark to be visible even after fixing, including fixing in manholes with 30x20x15 cm cement concrete block 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) complete as per design.	12.000	Nos	553.70	6,644.40
15	17.35	Providing and fixing soil, waste and vent pipes				
-	17.35.1	100 mm dia.				
	17.35.1.2	Centrifugally cast (spun) iron socketed pipe as per IS: 3989.	3.600	Meter	1,180.75	4,250.70
16	19.32	Making soak pit 2.5 m diameter 3.0 metre deep with 45 x 45 cm dry brick honey comb shaft with bricks and S.W. drain pipe 100 mm diameter, 1.8 m long complete as per standard design.				
	19.32.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	1.000	Nos	26,861.90	26,861.90
		Cost for 1 Nos Septic Tank				563,186.98

ESTIMATE OF FOR CONSTRUCTION OF ADDITIONAL DORMITORY & STAFF QUARTERS AT JNV KUPWARA, JAMMU AND KASHMIR

	Cost of Septic Tank							
S.N.	DESCRIPTION OF WORK							
1	Septic Tank 50 User (1 no)	362,622.54						
	Total	362,622.54						

ESTIMATE OF FOR CONSTRUCTION OF ADDITIONAL DORMITORY & STAFF QUARTERS AT JNV KUPWARA, JAMMU AND KASHMIR

		ABSTRACT FOR RCC SEPTIC	TANK 50 US	SERS		
S.N.	DSR-23	Description	Qty	Unit	Rate	Amount
1	2.8	Earth work in excavation by mechanical means (Hydraulic excavator) <i>I</i> manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.				
	2.8.1	All kinds of soil. 0.00-1.50m	24.180	Cum	260.30	6,294.05
2	2.26.1	Earth work in excavation by mechanical means (Hydraulic excavator) <i>I</i> manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.				
		All kinds of soil. 1.50-3.00m	20.150	Cum	126.80	2,555.02
3	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift up to 1.5 m.				
			2.980	Cum	196.00	584.08
4	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
	4.1.10	1:5:10 (1 Cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size).	1.280	Cum	6,518.60	8,343.81
5	5.33	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site				
	5.33.1	All works up to plinth level.	9.720	Cum	9,504.75	92,386.17
6	5.9	Centering and shuttering including strutting, propping etc. and removal of form for:				
	5.9.1	Foundations, footings, bases of columns, etc. for mass concrete.	6.100	Sqm	392.15	2,392.12
7	5.9.3	Suspended floors, roofs, landings, balconies and access platform.	37.370	Sqm	927.25	34,651.33
8	5.9.5	Lintels, beams, plinth beams, girders, bressumers and cantilevers.	0.610	Sqm	736.40	449.20
9	5.9.16	Edges of slabs and breaks in floors and walls.				
,	5.9.16.1	Under 20 cm wide	15.040	Meter	208.55	3,136.59
10	5.22	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.				
	5.22.6	Thermo-Mechanically Treated bars.	1,458.000	Kg	107.85	157,245.30

S.N.	DSR-23	Description	Qty	Unit	Rate	Amount
12	11.5	62 mm thick cement concrete flooring with concrete hardener topping under layer 50 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) and top layer 12mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6mm nominal size) by volume. Hardening compound is mixed @ 2 litre per 50kg of cement or as per manufactures specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete.				
			8.000	Sqm	1,056.15	8,449.20
13	13.16	6 mm cement plaster of mix :				
	13.16.1	1:3 (1 cement : 3 fine sand)	28.820	Sqm	300.45	8,658.97
14	19.19	Providing and fixing in position pre-cast R.C.C. manhole cover and frame of required shape and approved quality				
	19.19.3	HD-20				
	19.19.3.1	Circular shape 560 mm internal diameter	2.00	Nos	1,675.70	3,351.40
15	19.16	Providing orange colour safety foot rest of minimum 6 mm thick plastic encapsulated as per IS : 10910 on 12mm dia steel bar conforming to IS : 1786 having minimum cross section as 23 mmx25mm and over all minimum length 263 mm and width as 165mm with minimum 112 mm space between protruded legs having 2 mm tread on top surface by ribbing or chequering besides necessary and adequate anchoring projections on tail length on 138 mm as per standard drawing and suitable to with stand the bend test and chemical resistance test as per specifications and having manufacture's permanent identification mark to be visible even after fixing,	8.000	Nos	553.70	4,429.60
16	17.35	Providing and fixing soil, waste and vent pipes				
	17.35.1	100 mm dia.				
	17.35.1.2	Centrifugally cast (spun) iron socketed pipe as per IS: 3989.	2.400	Meter	1,180.75	2,833.80
17	19.32	Making soak pit 2.5 m diameter 3.0 metre deep with 45 x 45 cm dry brick honey comb shaft with bricks and S.W. drain pipe 100 mm diameter, 1.8 m long complete as per standard design.				
	19.32.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	1.000	Nos	26,861.90	26,861.90
		Cost for 1 Nos Septic Tank				362,622.54

		PRELIMINARY ESTIMATE F Abstract of						SCOM	PLEX		
SI. No.		Description	No	L	в	н	Qty.	Unit	Rates	Total DSR-2023	Total Non DSR
1	16.1	Preparation and consolidation of sub grade with power road roller of 8 to 12 tonne capacity after excavating earth to an average of 22.5 cm depth, dressing to camber and consolidating with road roller including making good the undulations etc. and re-rolling the sub grade and disposal of surplus earthwith lead upto 50									
		metres.	1	42.00	62.00		2604.00	Sqm	218.90	570,015.60 -	
2	16.3.2	Supplying and stacking at site 63 mm to 45 mm size stone aggregate Supplying and stacking at site	1	42.00	62.00	0.075	195.30	cum.	1636.05	319,520.57	
3	16.3.3	53 mm to 22.4 mm size stone aggregate Supplying and stacking at site	1	42.00	62.00	0.075	195.30	cum.	1,842.30	359,801.19	
4	16.3.6	Stone screening 13.2 mm nominal size (Type A) Supplying and stacking at site	1	42.00	62.00	0.050	130.20	cum.	2,034.35	264,872.37	
5	16.3.7	Stone screening 11.2 mm nominal size (Type B) Supplying and stacking at site	1	42.00	62.00	0.050	130.20	cum.	2,247.75	292,657.05	
7	16.3.10	Red bajri Supplying and stacking at site	1	42.00	62.00	0.050	130.20	cum.	1,564.90	203,749.98	
'	10.3.10	Moorum	1	42.00	62.00	0.050	130.20	cum.	768.25	100,026.15	
8	16.4	Laying, spreading and compacting stone aggregate of specified sizes to WBM pecifications in uniform thickness, hand picking, rolling with 3 wheeled road/vibratory roller 8-10 tonne capacity in stages to proper grade and camber, applying and brooming requisite type of screening / binding material to fill up interstices of coarse aggregate, watering and compacting to the required densi qty same item No. 16.3.2					195.30				
		qty same item No.16.3.3					195.30				
		qty same item No.16.3.6 qty same item No.16.3.7					130.20 130.20				
		qty same item No.16.3.8 qty same item No.16.3.10					130.20 130.20				
						Total	911.40	cum.	1,046.95	954,190.23	
		ACRYLIC FLOORING CONSISTING OF 8 LAYERS									
9		SYSTEMS: Specifications: a) 1 layer of re-surfacer b) 5 layers of Cushion c) 2 layers of color Line marking as per international standards	2	18.00	30.00		1080.00	Sqm	753.20		813,456.00
10		Hand Operated Hydraulic Moveable Basketball System with 20 mm thick. Transparent Acrylic board wtih Double Die made frame Aluminium Anodized with built in brackets for mounting, Dunking Rims, 3.2 mtrs Proejction From the Base pole, Special non marking wheels, Hand operated Hydraulic System for East lifting and bringing down the Backboard in a folded position as shown in the picture, System as per BFI Specifications.	1				1.00	Pair	630,000.00		630,000.00
11		HANDBALL GOAL POST POLES (MOVEABLE): Handball Goal Post size (3 Mtrs width 2 MTRs Ht.) Front Fascia of 80 mm Diameter of M.S. Pipe 3.2 mm + 0.1 mm Wall thickness, with Rear Pipes of 40/mm Dia with Hooks for holding Nets at the rear along with wheels. All Premiered & Painted along with Handball net (Heavy Duty).	1								
12		Volleyball poles Basic model with over lapping system for height adjustment. Volleyball Net Plastic Coated Steel Ware Net . Antenna for (Volley Ball Poles) Fiberglass, Detachable.	1				1.00	Pair Pair	34,200.00		34,200.00
13		Volleyball poles Basic model with over lapping system for height adjustment. Volleyball Net Plastic Coated Steel Ware Net . Antenna	4				4.00	Deia	05 000 00		05 000 00
14		for (Volley Ball Poles) Fiberglass, Detachable. Line Marking of Badminton Court on Kota stone flooring, as per international rules with Paint (Asian, Berger or Equivalent)	1				1.00	Pair Job	25,200.00		25,200.00
15		Installation Charges	1				1.00	Job	20,000.00		20,000.00
16	16.71	Providing and fixing G.I. chain link fabric fencing of required width in mesh size 25x25 mm made of G.I. wire of dia 3 mm including strengthening with 2 mm dia wire or nuts, bolts and washers as required complete as per the direction of Engineer-in-charge.	A	в	с	D	E				
		E=[A*(B+C)*2*D]	1	44	60	3.0	624.00	SQM	1,149.25	717,132.00	
									Total	3,781,965.14	1,563,056.00

	TIMATE OF FOR CONSTRUCTION OF ADDITIONAL DORMITORY BOQ TUBE WELL INCLUDIN		-	-			
S.N.	DESCRIPTION OF ITEM	DSR-21	QTY	UNIT	RATE	AMOUNT DSR	AMOUNT NON-DSR
1	Mobilization & Demoblilization of drilling rig at site along with other related equipments	NDSR	1	No	30,000.00		30,000.00
2	Geophysical study for calculations of zone wise aquifer characteristics along with the designs of tube well etc.	NDSR	1	No	40,000.00		40,000.00
3	Collection of drill cutting samples, analysis of samples, preparation of logs, logs analysis of all the drilling data for designing the well assembly for lowering.	NDSR	1	No	10,000.00		10,000.00
4	Geophysical logging (using Sp, 16-64-N & lateral) of the borehole to demarcate the exact aquifers for deciding well assembly in corroboration with lithologs	NDSR	1	No	30,000.00		30,000.00
5	Boring/drilling bore well of required dia for casing/ strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/ bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer-in-charge, upto 90 metre depth below ground level.						
	All types of soil	23.1.1					
A	300 mm dia Boring/drilling bore well of required dia for casing/ strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/ bore log, including hire & running charges of all equipments, tools, plants & machineries required for	23.1.1.1	90	M	707.75	63,697.50	
	the job, all complete as per direction of Engineer -in-charge, beyond 90 metre & upto 150 metre depth below ground level.	23.2					
	All types of soil	23.2.1					
В	300 mm dia (90 to 150 mts)	23.21.1	10	М	825.70	8,257.00	
6	Supplying, assembling, lowering and fixing in vertical position in bore well, unplasticized PVC medium well casing (CM) pipe of required dia, conforming to IS: 12818, including required hire and labour charges, fittings & accessories etc. all complete, for all depths, as per direction of Engineer -in-charge.					-	
Α	200 mm nominal size dia	23.3.3	70	М	1,113.35	77,934.50	
	Supplying, assembling, lowering and fixing in vertical position in bore well, ERW (Electric Resistance Welded) FE 410 plain slotted (having slot of size 1.6/3.2 mm) mild steel threaded and socketed/ plain bevel ended pipe (type A) of required dia, conforming to IS: 8110, of reputed and approved make, having wall thickness not less than 5.40 mm, including painted with outside surface with two coats of anticorrosive bitumestic paint of approved brand and manufacture, including hire & labour charges, fittings & accessories, all complete, for all depths, as per direction of Engineer -in-charge.	23.11					
В	200 mm nominal size dia	23.11.3	30	М	2,571.05	77,131.50	
	Providing and fixing Bail plug/ Bottom plug of required dia to the bottom of pipe assembly of tubewell as per IS:2800 (part I).	23.15					
С	200mm dia	23.15.3	2	Nos	357.60	715.20	
	Providing and fixing M.S. clamp of required dia to the top of casing/ housing pipe of tubewell as per IS: 2800 (part I), including necessary bolts & nuts of required size complete.						
D	200 mm clamp	23.14.3	3	Nos	1,827.00	5,481.00	
7	Gravel packing in tubewell construction in accordance with IS: 4097, including providing gravel fine/ medium/ coarse, in required grading & sizes as per actual requirement, all complete as per direction of Engineer-in-charge.	23.8	15.7	Cum	2,024.50	31,784.65	
8	Development of tube well in accordance with IS : 2800 (part I) and IS: 11189, to establish maximum rate of usable water yield without sand content (beyond permissible limit), with required capacity air compressor, running the compressor for required time till well is fully developed, measuring yield of well by "V" notch method or any other approved method, measuring static level & draw down etc. by step draw down method, collecting water samples & getting tested in approved laboratory, i/c disinfection of tubewell, all complete, including hire & labour charges of air compressor, tools & accessories etc., all as per requirement and direction of Engineer-in-charge.	23.12	100	Hour	1,085.05	- 108,505.00	
					1,000.00		-
9	Supply & installation of submersible pump of make KSB 7.5 HP with control panel, support wire etc. complete.	NDSR	2	Set	59,400.00		118,800.00

S.N.	DESCRIPTION OF ITEM	DSR-21	QTY	UNIT	RATE	AMOUNT DSR	AMOUNT NON-DSR
10	Providing & fixing 3 core 4 sqmm Copper stranded conductor submersible flat cable connected to pump with water proof joint and connection to submersible panel board with necessary lugs, etc.	NDSR	120	М	219.67		26,360.40
		NDSK	120	1V1	219.07		-
11	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) :						
	80 mm nominal bore	18.46.8	95	Mtr	1,207.95	114,755.25	
12	Installation and Commissioning of pump set and all other necessary fitting.	NDSR	1	No	5,000.00		5,000.00
13	Providing & fixing factory made out door type, weather proof Panel Board for submersible pump with 7.5 HP motor, fitted with DOL starter, ammeter, voltmeter, single phase preventer MCB's, on/ off switch push botton duly wired and made out of 14 SWG sheet, complete with locking arrangements, grouted on ground, complete as directed by Project Director / Architect.	MR	1	Each	25,000.00		25,000.00
15	Supplying, assembling, lowering and fixing in vertical position in bore well unplasticized PVC medium well screen (RMS) pipes with ribs, conforming to IS: 12818, including hire & labour charges, fittings & accessories etc. all complete, for all depths, as per direction of Engineer-in- charge.	23.4					-
	200 mm nominal size dia	23.4.3	70	М	1,255.70	87,899.00	
	TOTAL						
	TOTAL					576,160.60	285,160.40

	1	RUN	NINC	TRACK	SIZE 110	MX90M				
Sl. No.	DESCRIPTION OF ITEM	DSR-2023	NO	L	В	Н	QTY.	UNIT	RATE (In Rs.)	Amount (In Rs.)
	Excavating supply and filling									
	of local earth (including									
	royalty) by mechanical									
	transport upto a lead of 5Km									
	also including ramming and									
	watering of the earth in layers									
	not exceeding 20 cm in trnches									
	plinth sides of foundation etc									
1	complete.	2.25(a)	1	110	90	0.300	2970.00	Cum	700.50	2080485.00
									Total	2080485.00
								Say	In Lakhs	20.80

ESTIMATE OF FOR CONSTRUCTION OF ADDITIONAL DORMITORY & STAFF QUARTERS AT INV

ESTI	MATE OF FOR CONSTRUCTION OF ADDITION			& STAFF QUAF	RTERS AT JNV
	KUPWARA, JAMMU ESTIMATE FOR H.T./L.T. PAN			ARS	
1	BOYS / GIRLS DORMITORY PANEL				
	Incoming				
	100Amp MCCB TP 35 KA	1	Nos		
	Indication light R,Y,B	3	Nos		
	BUS-BAR FEEDERS				
	150Amp Aluminum bus-bar TPN	1	Set		
	Out going	-			
	63Amp MCB TPN 10KA	3	Nos		
	63Amp MCB TPN 10KA (SPARE)	1	Nos		
	Incoming	-	1100		
	63Amp MCB DP 10KA	1	Nos		
	25Amp MCB DP 10KA	3	Nos		
	32Amp MCB DP 10KA	1	Nos		
	ENCLOSURE	1	SETS		
		1	SEIS		
	1050*1450*150 (17 SFT) PANEL BODY FABRICATED IN 14/16 SWG CRCA SHEET ,				
	POWDER COA- TED IN SIEMENCE GREY COLOUR				
	COMPLETE IN ALL RESPECTS UNIVERSAL GLAND				
	PLATES.	3	Set	120,000.00	360,000.00
2	METER PANEL (Type 2)				
	Incoming				
	MCB 32A 10 KA TPN	2	Nos		
	Indication light R,Y,B	6	Nos		
	BUS-BAR FEEDERS				
	100AMP ALU.BUS-BAR TPN	2	SETS		
	Out going				
	Single Phase Energy Meter	2	Nos		
	MCB 25A DP	2	Nos		
	Emergency Section				
	Incoming				
	MCCB 32A DP	2	Nos		
	Out going				
	16A DP	2	Nos		
	ENCLOSURE	2	Set		
	PANEL BODY FABRICATED IN 14/16 SWG CRCA SHEET ,				
	POWDER COA- TED IN SIEMENCE GREY COLOUR				
	COMPLETE IN ALL RESPECTS UNIVERSAL GLAND				
	PLATES.	4	Set	44,500.00	178,000.00
			+		
3	METER PANEL (TYPE 3)		+		
	Incoming				
	MCB 63A 10 KA TPN	1	Nos		
	Indication light R,Y,B	3	Nos		
	BUS-BAR FEEDERS				
		1 1	CETC	1	

1

4

4

SETS

Nos

Nos

100AMP ALU.BUS-BAR TPN

Single Phase Energy Meter

Out going

Incoming

MCB 25A DP

Emergency Section

				I	
	MCCB 32A DP	1	Nos		
	Out going				
	16A DP	4	Nos		
	ENCLOSURE	1	Set		
	PANEL BODY FABRICATED IN 14/16 SWG CRCA SHEET ,				
	POWDER COA- TED IN SIEMENCE GREY COLOUR				
	COMPLETE IN ALL RESPECTS UNIVERSAL GLAND	1	Set		
	PLATES.	1	Set		
4	METER PANEL (TYPE 3)				
4	Incoming		$\left \right $		
	MCB 63A 10 KA TPN	1	NT		
		1	Nos		
	Indication light R,Y,B	3	Nos		
	BUS-BAR FEEDERS				
	100AMP ALU.BUS-BAR TPN	1	SETS		
	Out going				
	Single Phase Energy Meter	6	Nos		
	MCB 25A DP	6	Nos		
	Emergency Section				
	Incoming				
	MCCB 32A DP	1	Nos		
	Out going				
	16A DP	6	Nos		
	ENCLOSURE	1	Set		
	PANEL BODY FABRICATED IN 14/16 SWG CRCA SHEET ,				
	POWDER COA- TED IN SIEMENCE GREY COLOUR				
	COMPLETE IN ALL RESPECTS UNIVERSAL GLAND	1			
	PLATES.	1	Set		
					538,000.00
1	SUB FEEDER PANEL	2	Set	210,000.00	420,000.00
2	BOYS/GIRLS DORMITORY PANEL	2	Set	120,000.00	240,000.00
3	METER PANEL (TYPE 2)			120,000.00	
		1	Set	,	120,000.00
4	METER PANEL (TYPE 3)	1	Set	120,000.00	120,000.00
					900,000.00

ESTIMATE OF FOR CONSTRUCTION OF ADDITIONAL DORMITORY & STAFF QUARTERS AT JNV KUPWARA, JAMMU AND KASHMIR

S.No.	DSR-22	Name of Item	Qty	Unit	Rate	Amount
	_	G.I. Earth pipe electrode with salt/charcoal:	~')			
		G.n. Latti pipe electrode with salycharcoal.				
1	5.6	Earthing with copper earth plate 600 mm X 600 mm X 3				
1	5.0	mm thick including accessories, and providing				
		masonry enclosure with cover plate having locking				
		arrangement and watering pipe of 2.7 meter long etc.				
		with charcoal/ coke and salt as required.		.	12 929 00	02.020.00
		with charcoal/ coke and sait as required.	6	Set	13,838.00	83,028.00
2	5.2	Earthing with GI earth pipe 4.50 meter long 40mm dia				
		including accessories, and providing masonry enclosure with cover plate having locking arrangement and				
		watering pipe etc.with charcoal or coke and salt complete				
		as required.	6	Set	6,855.00	41,130.00
					0,000100	11,100100
3	5.4	Earthing with GI earth plate 600 x 600 x 3mm thick				
5	5.4	including accessories, and providing masonry enclosure				
		with cover plate having locking arrangement and				
		watering pipe etc.ith watering pipe of 2.7 meter long etc.				
		with charcoal or coke and salt complete as required. (for				
		MLTP & DG body)	6	Set	7,472.00	44,832.00
						-
4	5.10	Providing and fixing 25 mm x 5 mm copper strips in 40				
		mm dia G.I.pipe from earth electrode, including				
		connection with brass nut bolts , spring washer,				
		excavation and refilling etc, as required (copper plate				
		earthing)	90	Mtr	1,551.00	139,590.00
						-
5	5.11	Providing and fixing 25 mm x 5 mm GI strip in 40 mm				
		dia G.I.pipe from earth electrode, including connection				
		with brass nut bolts, spring washer, excavation and				
		refilling etc, as required (copper GI plate earthing)	90	Mtr	706.00	63,540.00
			70	IVILI	700.00	00,040.00
6	5.13	Providing & laying earth connection from earth				
U	0.10	electrode with 6 SWG dia GI wire in 15 mm Gi pipe				
		from earth electrode including connection with GI				
		thimble excavation and refilling etc as required. (for GI				
		pipe earthing of poles)	802.66	Mtr	369.00	296,181.54
						-
7	5.14	Supply & Laying of 25 x 5 mm copper earth strip in				
		surface /recess	90	Mtr	1,162.00	104,580.00
						-
8	5.15	Providing and fixing 25mm x 5 mm G.I. strips on surface	90	Mtr	244.00	21,960.00
		or in recess for connections etc. as required	90	IVILI	244.00	21,900.00
9	2.21	Providing and fixing MV danger notice plate of 200				-
9	2.21	mm x 150 mm made of mild steel atleast 2 mm thick				
		and vitreous enameled white on both sides & with				
		inscription in signal red colour on front side as required.				
		on 7mts poles & panels)	16	Nos	269.00	4,304.00
						,
		LT CABLES LAYING				
10	7.5	Laying of one number PVC insulated and PVC				
-0	1.5	sheathed / XLPE power cable of 1.1 KV grade of				
		following size in the existing RCC/ HUME/ METAL				
		pipe as required.				
	7.5.1	Upto 35 sq. mm	802.66	Rmt	37.00	29,698.42
		Above 35 sq. mm and upto 95 sq. mm				
	7.5.2	Above 55 sq. min and upto 95 sq. mm	363.56	Rmt	57.00	20,722.92

S.No.	DSR-22	Name of Item	Qty	Unit	Rate	Amount
11	14.16	Supplying and laying of following size DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part II complete with fitting and cutting, jointing etc.direct in ground (75 cm below ground level) including excavation and refilling the trench but excluding sand cushioning and protective covering etc., complete as required.				
	14.16.1	63 mm dia (OD-63 mm & ID-51 mm nominal)	802.66	Rmt	247.00	198,257.02
	14.16.3	120 mm dia (OD-120 mm & ID-103 mm nominal)	363.56	Rmt	368.00	133,790.08
12	9.1	Supplying and making end termination with brass comperession gland and aluminium lugs for following size of PVC insulated and PVC sheathed/ XLPE aluminium conductor cable of 1.1 KV grade as required				
	9.1.34	4 Core 25 Sqmm	3	Nos	315.00	945.00
	9.1.33	4 Core 16 Sqmm	2	Nos	309.00	618.00
	9.1.29	3.5 Core 240 Sqmm	1	Nos	1,027.00	1,027.00
	9.1.13	3.5 Core 95 Sqmm	2	Nos	542.00	1,084.00
	9.1.6	2 Core 50 Sqmm	3	Nos	351.00	1,053.00
	9.1.3	2 Core 16 Sqmm	3	Nos	256.00	768.00
	9.1.2	2 Core 10 Sqmm	52	Nos	241.00	12,532.00
13	2.13	Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 1.5 m including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m :				
	2.13.1	Ordinary rock				
	2.13.1.2	Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia.	69	Meter	998.65	68,906.85
14	19.6	Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc.				
	19.6.2	150 mm dia. R.C.C. pipe	69	Meter	556.45	38,395.05
		Total				1,306,942.88

ESTIMATE OF FOR CONSTRUCTION OF ADDITIONAL DORMITORY & STAFF QUARTERS AT JNV KUPWARA, JAMMU AND KASHMIR

			,								
ABSTRACT OF COST FOR BOUNDARY WALL											
SI. No	Description	Qty	Unit	Rate (In Rs.)	Amount (In Rs.) on DSR- 2023	Amount (In Rs.) on NON-DSR					
1	COST OF CONSTRUCTION OF BOUNDARY WALL WITH CONCERTINA COIL FENCING	648.00	Rmt	18658.67	12090818.16	0.00					
2	COST OF REPAIR WORK OF BOUNDARY WALL (1000 MTR)				3117953.69	0.00					
				TOTAL	15208771.85	0.00					
		Gł	RAND TO	TAL	15208771.85						

ESTIMATE OF FOR CONSTRUCTION OF ADDITIONAL DORMITORY & STAFF QUARTERS AT JNV KUPWARA, JAMMU AND KASHMIR

	JNV KUFWAKA	, , , , , , , , , , , , , , , , , , , ,					
	(ANALYSIS						
	BASI	ED ON D.S.R. 2	2023]				
S.N.	DESCRIPTION OF ITEM	DSR. NO. 2023	QUANTITY	UNIT	RATES	AMOUNT ON DSR	AMOUNT ON NON- DSR
1	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth up to 30 cm measured at a height of 1 m above ground level and removal of rubbish up to a distance of 50 m outside the periphery of the area cleared.	2.31	99.900	Sqm	17.60		
	Excavation work by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soils as directed, within a lead of 50 m.Ordinary rock	2.9.1	31.16	Cum	632.95	19722.72	
	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:5:10 (1 Cement : 5 coarse sand (zone-III) : 10 graded stone aggregate 40 mm nominal size)	4.1.10	3.500	Cum	6518.60	22815.10	
	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge."(Note :- Cement content considered in this item is @ 330 kg/cum."Excess/less cement used as per design mix is payable/recoverable separately).						
	Upto plinth level (i) R.C.C. work in Beam (ii) R.C.C. work in Footing	5.33.1 5.33.1	3.150 5.170	Cum Cum	9504.75 9504.75	29939.96 49139.56	
	(iii) R.C.C. work in Columns	5.33.1	0.920	Cum	9504.75	8744.37	
	Above plinth to floor-V lvl Same as above but R.C.C. work above plinth Lvl. (ii) R.C.C. work in Beam (iii) R.C.C. work in Columns	5.33.2 5.33.2	1.710 1.460	Cum Cum	9860.40 9860.40	16861.28 14396.18	
5	Form Work Edges of slabs and breaks in floors and walls	5.9.16			000.55		
	Under 20 cm wide	5.9.16.1	66.600	Rm	208.55	13889.43	
	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Thermo-Mechanically Treated bars of grade Fe-500D or more.	5.22.6	1241.000	Kg	107.85	133841.85	

	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:6 (1 cement : 6 coarse sand).	6.1.2	6.728	Cum	7132.25	47982.21	
	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in : Cement mortar 1:6 (1 cement : 6 coarse sand)						
		6.4.2	10.178	Cum	9105.95	92675.81	
	12 mm cement plaster on the fair side of single or half brick wall:- 1:6 (1 cement: 6 coarse sand)	13.4.2	74.100	Sqm	343.65	25464.47	
	15 mm cement plaster on rough side of single or half brick wall of mix:1:6 (1 cement: 6 coarse sand)	13.5.2	62.480	Sqm	395.35	24701.47	
	Finishing walls with water proofing cement paint of required shade : New work (Two or more coats applied @ 3.84 kg/10 sqm)	13.44.1	136.580	Sqm	116.90	15966.20	
	Providing and fixing concertina coil fencing with punched tape concertina coil 600 mm dia 10 metre openable length (total length 90 m), having 50 nos rounds per 6 metre length, upto 3 m height of wall with existing angle iron 'Y' shaped placed 2.4 m or 3.00 m apart and with 9 horizontal R.B.T. reinforced barbed wire, stud tied with G.I. staples and G.I. clips to retain horizontal, including necessary G.I. staples and G.I. clips to retain horizontal, including necessary bolts or G.I. barbed wire tied to angle iron, all complete as per direction of Engineer-in-charge, with reinforced barbed tape(R.B.T.) / Spring core (2.5mm thick) wire of high tensile strength of 165 kg/ sq.mm with tape (0.52 mm thick) and weight 43.478 gm/ metre (cost of M.S. angle, C.C. blocks shall be paid separately)						
		16.52	22 200	Dm	275 80	12514.14	
	Providing and fixing T-iron frames for doors, windows and ventilators of mild steel Tee-sections, joints mitred and welded, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer. Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm	16.53	33.300 94.330	KG	375.80	12514.14	
14	Steel Painting: Applying priming coat:						
	(a) With ready mixed red oxide zink chromate primer of approved brand and manufacture on steel galvanised iron/steel works.	13.50.3	19.80	Sqm	67.40	1334.52	
	(b) Painting with synthetic enamel paint of approved brand and manufacture to give an even shade: Two or more coats on new work.	13.62.2	19.80	Sqm	226.25	4479.75	
	Add for plaster drip course/ groove in plastered surface or moulding to R.C.C. projections	5.30	212.400	Rm	78.40	16652.16	
	Centering and shuttering including strutting, propping etc. and removal of form for all heights :						
(a)	Foundations, footings, bases of columns, etc. for mass			~	000 1 -	// *	
(b)	concrete. Lintels, beams, plinth beams, girders, bressumers and	5.9.1	17.010	Sqm	392.15	6670.47	
	cantilevers.	5.9.21	30.000	Sqm	841.95	25258.50	
(c)	Columns, Pillars, Piers, Abutments, Posts and Struts.	5.9.6	25.920	Sqm	961.30	24916.90	
			COST OF 3. COST F		. LENGTH . LENGTH	621333.61 18658.67	

ESTIMATE OF FOR CONSTRUCTION OF ADDITIONAL DORMITORY & STAFF QUARTERS AT JNV KUPWARA, JAMMU AND KASHMIR Boundary Wall Repair [BASED ON D.S.R. 2021]

S.N.	DESCRIPTION OF ITEM	DSR. NO. 2023	QUANTITY	UNIT	RATES	AMOUNT ON DSR	AMOUNT ON NON- DSR
1	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.						
	In cement mortar	15.7 15.7.4	115.40	Cum	2060.20	237747.08	
2	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in : Cement mortar 1:6 (1 cement : 6 coarse sand)						
			44.190	Cum	9105.95	402391.93	
3	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge."(Note :- Cement content considered in this item is @ 330 kg/cum."Excess/ less cement used as per design mix is payable/recoverable separately).						
(a)	Above plinth to floor-V lvl						
	(ii) R.C.C. work in Beam	5.33.2	24.410	Cum	9860.40	240692.36	
4	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.		642.53	Sqm	25.15	16159.63	
5	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.		642.53	Sqm	54.65	35114.26	
6	12 mm cement plaster on the fair side of single or half brick wall:- 1:6 (1 cement: 6 coarse sand)	13.4.2	923.290	Sqm	343.65	317288.61 0.00	
7	15 mm cement plaster on rough side of single or half brick wall of mix:1:6 (1 cement: 6 coarse sand)	13.5.2	923.290	Sqm	395.35	365022.70	
				1		0.00	

8	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	13.80	2439.88	Sqm	156.05	380743.27	
9	Finishing walls with water proofing cement paint of required shade : New work (Two or more coats applied @ 3.84 kg/10 sqm)	13.44.1	2439.890	Sqm	116.90	285223.14	
10	Providing and fixing concertina coil fencing with punched tape concertina coil 600 mm dia 10 metre openable length (total length 90 m), having 50 nos rounds per 6 metre length, upto 3 m height of wall with existing angle iron 'Y' shaped placed 2.4 m or 3.00 m apart and with 9 horizontal R.B.T. reinforced barbed wire, stud tied with G.I. staples and G.I. clips to retain horizontal, including necessary G.I. staples and G.I. clips to retain horizontal, including necessary bolts or G.I. barbed wire tied to angle iron, all complete as per direction of Engineer-in-charge, with reinforced barbed tape(R.B.T.) / Spring core (2.5mm thick) wire of high tensile strength of 165 kg/ sq.mm with tape (0.52 mm thick) and weight 43.478 gm/ metre (cost of M.S. angle, C.C. blocks shall be paid separately)						
		16.53	817.190	Rm.	375.80	307100.00	
11	Providing and fixing T-iron frames for doors, windows and ventilators of mild steel Tee-sections, joints mitred and welded, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer. Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement	10.13.1	1663.550	KG	141.70	235725.04	
12	Steel Painting: Applying priming coat:						
	(a) With ready mixed red oxide zink chromate primer of approved brand and manufacture on steel galvanised iron/steel works.	13.50.3	349.20	Sqm	67.40	23536.08	
	(b) Painting with synthetic enamel paint of approved brand and manufacture to give an even shade: Two or more coats on new work.	13.61.1	349.20	Sqm	226.25	79006.50	
13	Add for plaster drip course/ groove in plastered surface or moulding to R.C.C. projections	5.30	2451.570	Rm	78.40	192203.09	
	TOTAL	COST OF	REPAIR OF E	ROUNDA	RV WALL	3117953.69	0.00

	ABSTRACT OF COST (ENTRANCE GATE)										
[BASED ON D.S.R. 2023]											
S.N.	DESCRIPTION OF ITEM	DSR.2023	QUANTITY	UNIT	RATES	AMOUNT DSR ITEM	AMOUNT [M.R. ITEM]				
<u>A</u> 1	Earth Work Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.all kinds of soil	2.8.1	61.77	СЛМ	260.30	16,078.73					
2	Extra for every additional lift of 1.5 m or part thereof in excavation / banking excavated or stacked materials. All kinds of soil	2.26.1	24.47	CUM	126.80	3,102.80					
_											
<u>B</u> 3	Concrete Work Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:5:10 (1 Cement : 5 coarse sand (zone-III) derived from natural sources : 10 graded stone aggregate 40 mm nominal size derived from natural sources)	4.1.10	3.03	СЛМ	6518.00	19,749.54					
4	Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-III): 4 graded stone										
	aggregate 12.5mm nominal size)	4.10	3.150	SQM	410.85	1,294.18					
5	Providing & applying a coat of residual petroleum bitumen of grade of VG-10 of approved quality using 1.7kg per square metre on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil.	4.13	3.150	SQM	146.15	460.37					
6	Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength, including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge; for the following grades of concrete. Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 1.10 times of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement.										
(a)	Upto plinth level	5.33.1.1	6.280	CUM	9504.75	59,689.83					
	(i) R.C.C. work in Footing (ii) R.C.C. work in Beam	5.33.1.1	1.210	CUM	9504.75	11,500.75					
	(iii) R.C.C. work in Columns	5.33.1.1	2.440	CUM	9504.75	23,191.59					
(b)	Above plinth to floor-V IvI Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland /Portland Slagcement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curring, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge; for the following grades of concrete.Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 1.10 times of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement.										
	(i) R.C.C. work in Beam	5.33.2.1	4.550	CUM	9860.40	44,864.82					
	(ii) R.C.C. work in Columns (iii) R.C.C. work in Slab	5.33.2.1 5.33.2.1	4.540 10.970	CUM CUM	9860.40 9860.40	44,766.22 108,168.59					
7	Centering and shuttering including strutting, propping etc. and removal of form for all heights :										
(a)	Foundations, footings, bases of columns, etc. for mass concrete.	5.9.1	20.730	SQM	392.15	8,129.27	<u> </u>				
(b) (c)	Columns,Pillars, Piers, Abutments, Posts and Struts. Suspended floors, roofs, landings, balconies and access platform.	5.9.6	92.880	SQM	961.30	89,285.54					
(d)	with water proof ply 12 mm thick Lintels, beams, plinth beams, girders, bressumers and cantilevers.	5.9.20	73.150	SQM	1028.40	75,227.46					
(~)	with water proof ply 12 mm thick	5.9.21	58.530	SQM	841.95	49,279.33					

8	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level . Thermo-Mechanically Treated bars of grade Fe-500D or more.						
		5.22.6	1305.00	Kg	107.85	140,744.25	
9	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level. Thermo-Mechanically Treated bars of grade Fe-500 D or more.	5.22.A.6	2823.00	Kg	107.85	304,460.55	
D	Masonry Work						
10	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in : Cement mortar 1.6 (1 cement : 6 coarse sand)	6.4.2	19.260	СЛМ	9105.95	175,380.60	
F	Wood and PVC Work						
11	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters:35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws.	9.21.1	1.58	SQM	2392.65	3,780.39	
12	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to steel windows by welding.	9.48.1	9.72	KG	219.10	2,129.65	
	windows by welding.	J.40. I	3.12	- NG	213.10	2,129.00	
13	Providing and fixing aluminium hanging floor door stopper ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete. Twin rubber stopper	9.101.2	1.00	NOS	72.35	72.35	
14	Providing and fixing bright /matt finished Stainless Steel handles of approved quality & make with necessary screws etc all complete(a) 125 mm.	9.165.1	2.00	NOS	119.20	238.40	
15	Providing & fixing Stainless steel sliding door bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with nuts and screws etc complete. (a) 250mm x 16mm.	M.R.	1.00	NOS	560.00		560.00
							-
16	Providing and fixing stainless steel towerbolts (barrel type) with necessary screws etc. complete.						-
	300 x 10mm 200 x 10mm	M.R. M.R.	1.00	NOS NOS	448.00 392.00		448.00 392.00
							-
<u> </u>	Steel Work Providing and fixing factory made ISI marked steel glazed doors, windows and ventilators, side /top /centre hung, with beading and all members such as F7D, F4B, K11 B and K12 B etc. complete of standard rolled steel sections, joints mitred and flash butt welded and sash bars tenoned and riveted, including providing and fixing of hinges, pivots, including priming coat of approved steel primer, but excluding the cost of other fittings, complete all as per approved design, (sectional weight of only steel members shall be measured for payment). Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size).		12.96	КG	131.05	1,698.41	
			.2.00			.,	
18	Providing and fixing T-iron frames for doors, windows and ventilators of mild steel Tee-sections, joints mitred and welded, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C C 13% (1 Compute 2 coarse cond 2 cm)						
	block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size	10.13.1	32.850	KG	141.70	4,654.85	
19	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	10.25.2	1350.000	KG	172.60	233,010.00	
20	Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with : 4.0 mm thick glass panes.	10.30.1	0.540	SQM	1064.65	574.91	
н	Flooring						
21	Kata atoma alah flaaring ayar 20 mm (ayaraga) thiak haa- laid ayar						
21	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) :	11.26	4.240	SQM	1948.25	8,260.58	
		-	-		-		

22	Kota stone slabs 20 mm thick in risers of steps, skirting, dado and						
	pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement: 3						
	coarse sand) and jointed with grey cement slurry mixed with pigment						
	to match the shade of the slabs, including rubbing and polishing						
	complete	11.27	1.620	SQM	2354.70	3,814.61	
<u> </u>	Finishing						
23	12 mm cement plaster on the fair side of single or half brick wall (a)	12.4.0	140.000	0.014	242.05	40.040.00	
24	1:6 (1 cement: 6 coarse sand) 15 mm cement plaster on rough side of single or half brick wall of mix	13.4.2	142.060	SQM	343.65	48,818.92	
24	: 1:4 (1 cement: 4 coarse sand).	13.5.1	5.350	SQM	411.75	2,202.86	
25	15 mm cement plaster on the rough side of single or half brick wall of	10.0.1	5.550	O QIVI	411.75	2,202.00	
20	mix : 1:6 (1 cement: 6 coarse sand)	13.5.2	84.000	SQM	395.35	33,209.40	
		10.0.2	01.000		000.00	00,200.10	
				1			
26	6 mm cement plaster on celling (a) 1:3(1 cement:3 fine sand)	13.16.1	27.05	SQM	300.45	8,127.17	
27	Distempering with oil bound washable distemper of approved brand						
	and manufacture to give an even shade : New work (two or more						
	coats) over and including water thinnable priming coat with cement						
	primer.	13.41.1	111.050	SQM	185.65	20,616.43	
28	Finishing walls with water proofing cement paint of required shade :						
	New work (Two or more coats applied @ 3.84 kg/10 sqm)	12 / / /	142.060	8014	116.00	16 606 94	
	Applying priming cost:	13.44.1	142.060	SQM	116.90	16,606.81	
29	Applying priming coat: With ready mixed pink or Grey primer of approved brand and			-			
29	with ready mixed pink or Grey primer of approved brand and manufacture on wood work (hard and soft wood)	13.50.1	3.150	SQM	74.65	235.15	
30	With ready mixed red oxide zink chromate primer of approved brand	15.50.1	5.100		74.00	200.10	
50	and manufacture on steel galvanised iron/steel works.	13.50.3	37.49	SQM	67.40	2,526.83	
31	Painting with synthetic enamel paint of approved brand and		51.10		51.40	2,020.00	
0.	manufacture to give an even shade: Two or more coats on new work.						
	3	13.61.1	40.64	SQM	155.90	6,335.78	
32	Providing and applying white cement based putty of average						
	thickness 1 mm, of approved brand and manufacturer, over the						
	plastered wall surface to prepare the surface even and smooth						
	complete.	13.80	258.460	SQM	156.05	40,332.68	
J	Water Proofing						
22	Descriptions and leaving internal concert based water an efficient to stream the			-			
33	Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs,						
	balconies, terraces etc consisting of following operations:						
	balconies, terraces etc consisting of following operations.						
	(a) Applying a slurry coat of neat cement using 2.75 kg/sqm of cement						
	admixed with water proofing compound conforming to IS. 2645 and						
	approved by Engineer-in-charge over the RCC slab including						
	adjoining walls upto 300						
	(b) Laying brick bats with mortar using broken bricks/brick bats 25 mm						
	to 115 mm size with 50% of cement mortar 1:5 (1 cement : 5 coarse						
	sand) admixed with water proofing compound conforming to IS : 2645						
	and approved by Engineerin- charge over 20 mm thick layer of						
	cement mortar of mix 1:5 (1 cement :5 coarse sand) admixed with						
	water proofing compound conforming to IS: 2645 and approved by			1			
	Engineerin-			1			
	charge to required slope and treating similarly the adjoining walls upto			1			
	300 mm height including rounding of junctions of walls and slabs.						
	(c) After two days of proper curing applying a second coat of cement			1			
	slurry using 2.75 kg/ sqm of cement admixed with water proofing						
	compound conforming to IS : 2645 and approved by Engineer-in-						
	charge.						
	(d) Finishing the surface with 20 mm thick jointless cement mortar of						
	mix 1:4 (1 cement :4 coarse sand) admixed with water proofing			1			
	compound conforming to IS : 2645 and approved by Engineer-in-			1			
	charge including laying glass fibre cloth of approved quality in top						
	layer of plaster and finally finishing the surface with trowel with neat			1			
	cement slurry and making pattern of 300x300 mm square 3 mm deep.			1			
	(e) The whole terrace so finished shall be flooded with water for a			1			
	minimum period of two weeks for curing and for final test."All above						
	operations to be done in order and as directed and specified by the						
	Engineer-in-Charge : With average thickness of 120 mm and minimum thickness at khurra						
	With average thickness of 120 mm and minimum thickness at khurra as 65 mm.	22.7.1	54.570	SQM	1684.60	91,928.62	
		22.1.1	57.070		100-1.00	51,320.02	
					TOTAL	1,704,549.22	1,400.00
							,
				SAY	IN LACS	17.05	0.01

	SCH	BILL OF QUANTITIES FOR ELECTRICAL WORKS		GATE)	RATE	AMOUNT	AMOUNT
S.No	NO.	DESCRIPTION	UNIT	Quantity	(in Rs)	(in Rs)	(in Rs)
1		SUB HEAD (I) :- INTERNAL WIRING					
1		Point wiring in PVC conduit, with modular type switch :-					
	1.1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm					
		FRLS PVC insulated copper conductor single core cable in surface / recessed					
		medium class pvc conduit, with modular switch, modular plate, suitable GI box					
		and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor					
	1.1.1	single core cable etc. as required.	Point	4.00	1221.00	4,884.00	
	1.1.1	Group A	FOIL	4.00	1221.00	4,004.00	
		Wiring for group controlled (looped) light point/fan point/exhaust fan point/ call					
		bell point (without independent switch etc.) with 1.5 sq. mm FRLS PVC insulated					
	1.54	copper conductor single core cable in surface/ recessed PVC conduit, and					
		earthing the point with 1.5 sq. mm FRLS PVC insulated copper conductor single					
	1.54.1	core cable etc. as required. Group A	Point	1.00	777.00	777.00	
	1.01.1		1 Onit	1.00	111.00	111.00	
2		Twin Control Point wiring in PVC conduit, with modular type switch :-					
	1.9	Wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper					
		conductor single core cable in surface / recessed medium class pvc conduit, 2					
		way modular switch, modular switch, suitable M.S. box and earthing the point					
		with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.	Point	1.00	1457.00	1,457.00	
			- ont	1.00	1.07.00	1,-01.00	
3		Power plug wiring in PVC conduit (2 x 4 Sq.Mm.) :-					
Γ	1.12	Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copper					
		conductor single core cable in surface/ recessed medium class pvc conduit					
		alongwith 1 No. 4 sq. mm FRLS PVC insulated copper conductor single core		20.00	224.00	10,000,00	
		cable for loop earthing as required.	М	30.00	334.00	10,020.00	
4		Circuit / Sub main wiring in PVC conduit :-					
· F		Wiring for circuit/ submain wiring alongwith earth wire with the following sizes					
	1.14	of FRLS PVC insulated copper conductor, single core cable in surface/ recessed					
		medium class pvc conduit as required.					
ŀ		2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire.	M	5.00	233.00	1,165.00	
ŀ		2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire. 2 x 6 sq.mm. + 1 x 6 sq.mm. Earth wire	M	30.00 10.00	275.00 439.00	8,250.00 4,390.00	
ŀ		2 x 10 sq.mm. + 1 x 6 sq.mm. Earth wire	M	5.00	570.00	2,850.00	
F		4 x 10 sq.mm. + 2 x 6 sq.mm. Earth wire	M	0.00	1005.00	-	
6		S/F light plug point Modular type accessories :-					
	1.31	Supply and fixing of suitable size GI box with modular plate and cover in front on surface or in recess including providing and fixing 3 pin 5/6 amps modular					
		socket outlet and 5/6 amps. modular switch, connection etc. as required.					
			Each	2.00	477.00	954.00	
7		S/F power plug point modular type accessories :-					
	1.32	Supply and fixing of suitable size GI box with modular plate and cover in FRLSont					
		on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps. modular switch, connection etc. as					
		required.	Each	2.00	586.00	1,172.00	
						,	
8	2.18	Supplying and fixing 20 amps, 240 volts, SPN, industrial type socket outlet, with					
		2 poles and earth metal enclosed plug top along with 20 amps. "C" curve, SP					
		MCB in sheet steel enclosure, on surface or in recess, with chained metal cover					
		for the socket outlet, and complete with connections, testing and commissioning etc. as required.					
		וכנס. מס וכיעמווכע.	Each	2.00	1621.00	3,242.00	
9		S/F modular type electronic fan regulator :-					
	1.25	Supply and fixing two module stepped type electronic fan regulator on the					
		existing modular plate switch box including connections but excluding modular	Each	1.00	360.00	360.00	
		plate etc. as required.	Each	1.00	369.00	369.00	
10		S/F modular type blanking plate :-	<u> </u>				
	1.26	Supply and fixing modular blanking plate on the existing modular plate & switch					
		box excluding modular plate as required.	Each	1.00	40.00	40.00	
п		SUB HEAD (II) :- DISTRIBUTION BOARDS & MCB's					
			ļ				
1	2.3	Supplying and fixing following way, single pole and neutral, sheet steel,					
		MCB distribution board, 240 V, on surface/ recess, complete with tinned					
		copper bus bar, neutral bus bar, earth bar, din bar, interconnections,					
		powder painted including earthing etc. as required. (But without					
I		MCB/RCCB/Isolator)					
		8 way , Double door	Each	1.00	2573.00	2,573.00	
		/	Each Each	1.00 0.00	2573.00 2315.00	2,573.00	
		8 way , Double door				2,573.00	

4	2.14	Supplying and fixing following rating, double pole , (single phase and neutral), 240 volts, residual current circuit breaker (RCCB) , having a sensitivity current upto 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
	2.14.2	40 amps.	Each	0.00	2642.00	-	
5	2.10	Supplying and fixing 5 amps. to 32 amps. rating, 240 volts `C' series, miniature circuit breaker (MCB) suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
	2.10.1	single pole	Each	10.00	256.00	2,560.00	
6		Supplying & fixing single pole, blanking plate in the existing MCB DB complete					
0	2.11	etc. as required.	Each	1.00	13.00	13.00	
1		Supplying and fixing following rating, Single/ double/ three pole, 230/ 415 volts, MCB "C" curve in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
		40 amps DP MCB	Each	0.00	1012.00		-
	NDSR	63 amps DP MCB	Each	1.00	1121.00		1,121.00
11		SUB HEAD (III) :- MISCELLANEOUS					
1	2.21	Providing and fixing M.V. danger notice plate of 200mmx150mm made of mild steel, atleast 2mm thick and vitreous enamelled white on both sides and with inscription single red colour on FRLSont side as required.	Each	1.00	269.00	269.00	
2	1.38	Supplying and fixing call bell/buzzer suitable for single phase, 230 volts, complete as required.	NOS	1.00	99.00	99.00	
3	10.18 DSR- 2021 (Civil)	Providing and fixing circular/ Hexagonal cast iron or M.S. sheet box for ceiling fan clamp, of internal dia 140 mm, 73 mm height, top lid of 1.5 mm thick M.S. sheet with its top surface hacked for proper bonding, top lid shall be screwed into the cast iron/ M.S. sheet box by means of 3.3 mm dia round headed screws, one lock at the corners. Clamp shall be made of 12 mm dia M.S. bar bent to shape as per standard drawing.	Each	1.00	185.20	185.20	
IV		SUB HEAD(IV):-INTERNAL LIGHTING FIXTURES & FANS					
		SUPPLY OF LIGHTING FIXTURES					
1		Supply of 15W SURFACE MOUNTED LED with all accessories as per standard					
	NDSR	item.	Each	1.00	977.00		977.00
2	NDSR	Supply of 15W WALL BRACKET LED BULB with all accessories as per standard item.	Each	1.00	336.00		336.00
3	NDSR	Supply of 20W SURFACE MOUNTED LED TUBE with all accessories as per standard item.	Each	1.00	916.00		916.00
3	NDSR	Supply of 18W SURFACE MOUNTED LED TUBE with all accessories as per standard item.	Each	0.00	1494.00		-
		SUPPLY OF CEILING & EXHAUST FANS					
5		Supply of AC 230/250 volts, 50 HZ ceiling fan with standard down rod, blades, 2 nos. caps & regulator etc. ISI with 5 star marked & energy efficient complete as required. (Such as Havells Velocity/Velocity HS or Equivalent).					
	19.1	1200 mm sweep	Nos	1.00	2730.00	2,730.00	
6		Supply of AC 230/250 volts, 50 HZ exhaust fans including providing nuts, bolts, mounting FRLSame and other accessories etc. Complete as required (Such as Ventil Air - DX White or Equivalent).					
	NDSR	300 mm sweep 900 rpm	Nos	1.00	2800.00		2,800.00
		ERECTION OF LIGHTING FIXTURES AND FANS					
1	1.41	Installation, testing and commissioning of pre-wired, flourescent fitting / compact fluorescent fitting of all types, complete with all accessories and tubes etc. directly on ceiling / wall, including connection with 1.5 sq. mm. FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required.	Each	3.00	206.00	618.00	
2	1.45	Installation, testing and commissioning of ceiling fan including wiring the down rod of standard length (upto 30 cm.) with 1.5 sq. mm. FRLS PVC insulated, copper conductor, single core cable, including providing and fixing phenolic laminated sheet cover on the fan box etc. as required.	Each	1.00	339.00	339.00	
3	1.50	Installation of exhaust fan in the existing opening, including making good the					
		damage, connection, testing, commissioning etc. as required	East	1.00	450.00	450.00	
	1.50.1	Upto 450 mm sweep	Each	1.00	450.00	450.00	
		TOTAL SUB HEAD (IV)				49,406.20	6,150.00