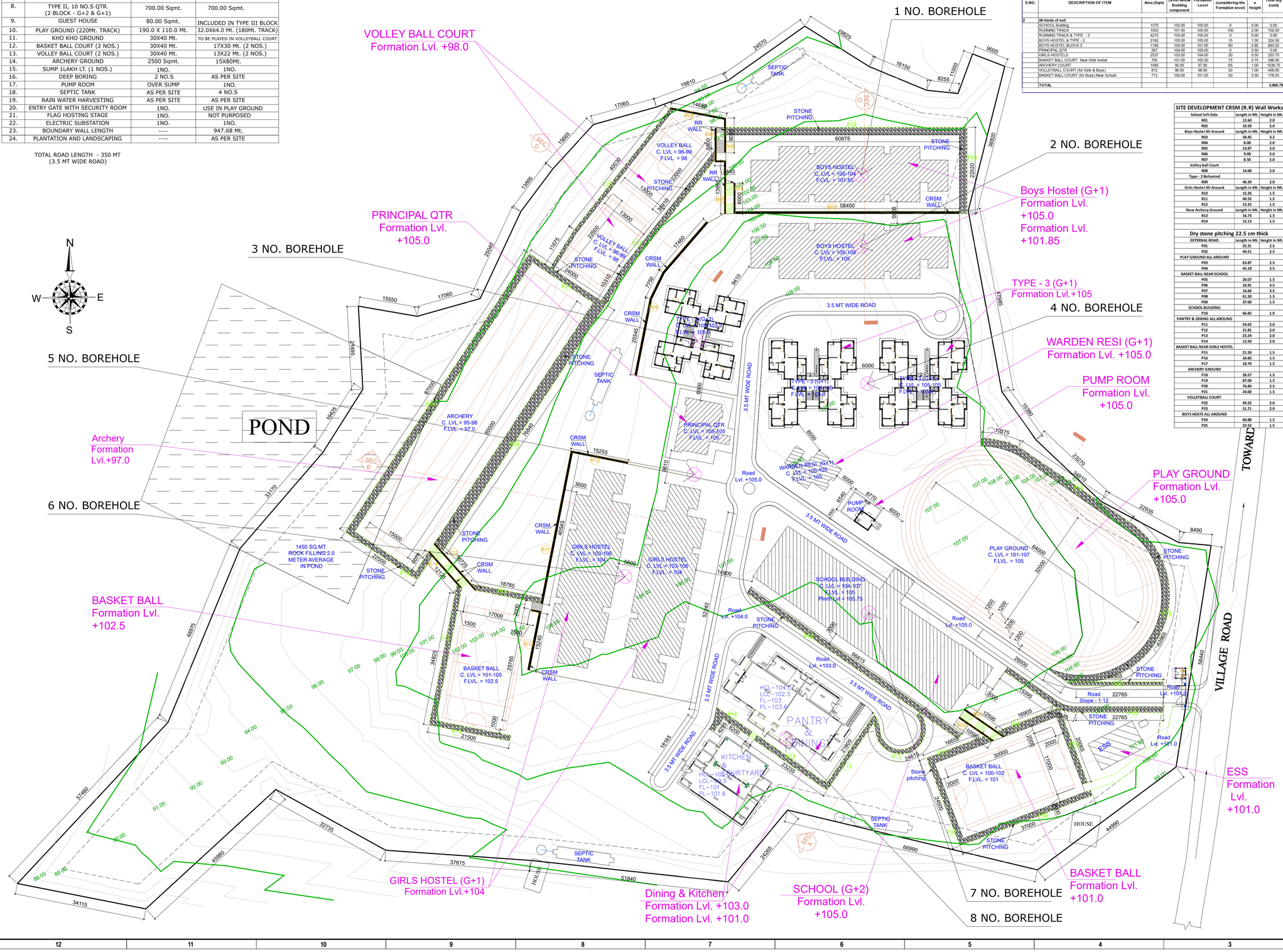
AREA DETAIL

SR. NO.	NAME OF THE BUILDING/AREA	APPROVED AREA FROM EMRS	PROVIDED AREA
1.	SITE AREA	60703 (15 Acres)	39741 (9.82 Acres)
2.	SCHOOL BUILDING (G+2)	2580.00 Sqmt.	2580.00 Sqmt.
3.	BOY'S HOSTEL (G+1)+(G+1)	2280.00 Sqmt.	1140+1140=2280 Sqmt.
3a.	WARDEN RESIDENCE (G+1) (BOY'S & GIRLS)	160.00 Sqmt.	160.00 Sqmt.
4.	GIRL'S HOSTEL (G+1)+(G+1)	2280.00 Sqmt.	1140+1140=2280 Sqmt.
5.	KITCHEN & DINING BLOCK DIVIDED IN TWO PART AS PER SITE CONSTRAINTS	550.00 Sqmt.	550.00 Sqmt.
6.	PRINCIPAL'S QTR.	130.00 Sqmt.	130.00 Sqmt.
7.	TYPE III, 18 NO.S QTR. (G+1) WITH GUEST HOUSE & TOTAL 2 BLOCKS	1280.00 Sqmt.	1280.00 Sqmt.
8.	TYPE II, 10 NO.S QTR. (2 BLOCK - G+2 & G+1)	700.00 Sqmt.	700.00 Sqmt.
9.	GUEST HOUSE	80.00 Sqmt.	INCLUDED IN TYPE III BLOCK
10.	PLAY GROUND (220Mt. TRACK)	190.0 X 110.0 Mt.	32.0X64.0 Mt. (180Mt. TRACK)
11.	KHO KHO GROUND	30X40 Mt.	TO BE PLAYED IN VOLLEYBALL COURT
12.	BASKET BALL COURT (2 NOS.)	30X40 Mt.	17X30 Mt. (2 NOS.)
13.	VOLLEY BALL COURT (2 NOS.)	30X40 Mt.	13X22 Mt. (2 NOS.)
14.	ARCHERY GROUND	2500 Sqmt.	15X80Mt.
15.	SUMP 1LAKH LT. (1 NOS.)	1NO.	1NO.
16.	DEEP BORING	2 NO.S	AS PER SITE
17.	PUMP ROOM	OVER SUMP	1NO.
18.	SEPTIC TANK	AS PER SITE	4 NO.S
19.	RAIN WATER HARVESTING	AS PER SITE	AS PER SITE
20.	ENTRY GATE WITH SECURITY ROOM	1NO.	USE IN PLAY GROUND
21.	FLAG HOSTING STAGE	1NO.	NOT PURPOSED
22.	ELECTRIC SUBSTATION	1NO.	1NO.
23.	BOUNDARY WALL LENGTH	----	947.68 Mt.
24.	PLANTATION AND LANDSCAPING	----	AS PER SITE

TOTAL ROAD LENGTH - 350 MT
(3.5 MT WIDE ROAD)



Name of ""Single-Phase EMRS at Nagri, Distt. Ranchi, Jharkhand						
Client	National Education Society for Tribal Students (NESTS)					
Area	9.82 Acre = 39741.54 Sqm					
Measurement Details						
S.NO.	**DESCRIPTION OF ITEM**	**Area (Sqm)**	**Highest Level below Building component**	**Formation Level**	**Cutting Area in % (considering the Formation level)**	**Average Height**	**Total Qty (cum)**
1	**All kinds of soil**						
	SCHOOL Building	1570	107.00	105.00	100	1.00	1570.00
	RUNNING TRACK	1053	105.00	105.00	0	0.00	0.00
	RUNNING TRACK & TYPE - 3	4273	106.00	105.00	100	1.50	2848.67
	BOYS HOSTEL & TYPE - 2	2162	108.00	105.00	85	1.50	2756.55
	BOYS HOSTEL BLOCK 2	1195	104.00	101.85	40	1.08	513.85
	PRINCIPAL QTR	267	107.00	105.00	100	1.00	267.00
	GIRLS HOSTELS	2537	106.00	104.00	80	1.00	2029.60
	BASKET BALL COURT Near Girls hostel	705	105.00	102.50	80	1.25	705.00
	ARCHERY COURT	1595	98.00	97.00	35	0.50	279.13
	VOLLEYBALL COURT (for Girls & Boys)	812	99.00	98.00	50	0.50	203.00
	BASKET BALL COURT (for Boys) Near School	713	102.00	101.00	50	0.50	356.50
	TOTAL						**11,529.29**
	Less LS qty. for E/w in rock @ 10%						**-1,152.93**
	Net qty of E/work in soil						**10,376.36**
						say	**10,376.00**

S.NO.	DESCRIPTION OF ITEM	Area (Sqm)	Lowest Level below Building component	Formation Level	Filling Area in % (considering the Formation level)	Average Height	Total Qty (cum)
2	**All kinds of soil**						
	SCHOOL Building	1570	105.00	105.00	0	0.00	0.00
	RUNNING TRACK	1053	101.00	105.00	100	2.00	702.00
	RUNNING TRACK & TYPE - 3	4273	105.00	105.00	0	0.00	0.00
	BOYS HOSTEL & TYPE - 2	2162	103.00	105.00	15	1.00	324.30
	BOYS HOSTEL BLOCK 2	1195	100.00	101.85	60	0.92	663.22
	PRINCIPAL QTR	267	104.00	105.00	0	0.50	0.00
	GIRLS HOSTELS	2537	103.00	104.00	20	0.50	253.70
	BASKET BALL COURT Near Girls hostel	705	101.00	102.50	75	0.75	396.56
	ARCHERY COURT	1595	95.00	97.00	65	1.00	1036.75
	VOLLEYBALL COURT (for Girls & Boys)	812	96.00	98.00	50	1.00	406.00
	BASKET BALL COURT (for Boys) Near School	713	100.00	101.00	50	0.50	178.25
	TOTAL						**3,960.79**

SITE DEVELOPMENT CRSM (R.R) Wall Works

School left Side	Length in Mt.	Height in Mt.
R01	12.60	2.0
R02	10.59	2.0
Boys Hostel All Around	**Length in Mt.**	**Height in Mt.**
R03	58.45	3.2
R04	8.00	2.0
R05	13.87	2.0
R06	9.09	2.0
R07	8.50	2.0
Volley ball Court		
R08	14.68	2.0
Type - 2 Behaind		
R09	46.39	2.0
Girls Hostel All Around	**Length in Mt.**	**Height in Mt.**
R10	15.26	1.5
R11	40.55	1.5
R12	15.25	1.5
Near Archery Ground	**Length in Mt.**	**Height in Mt.**
R13	16.73	1.5
R14	12.13	1.5

Dry stone pitching 22.5 cm thick

EXTERNAL ROAD	Length in Mt.	Height in Mt.
P01	25.31	2.5
P02	44.51	2.5
PLAY GROUND ALL AROUND		
P03	63.87	2.5
P04	45.18	2.5
BASKET BALL NEAR SCHOOL		
P05	20.07	1.5
P06	16.91	3.5
P07	16.66	3.5
P08	61.50	1.5
P09	37.00	1.5
SCHOOL BUILDING		
P10	66.82	1.0
PANTRY & DINING ALL AROUND		
P11	24.62	2.0
P12	21.81	2.0
P13	23.24	2.0
P14	12.50	2.0
BASKET BALL NEAR GIRLS HOSTEL		
P15	21.50	1.5
P16	34.83	1.5
P17	18.79	1.5
ARCHERY GROUND		
P18	28.57	1.5
P19	87.00	1.5
P20	76.84	2.5
P21	24.00	1.5
VOLLEYBALL COURT		
P22	49.22	2.0
P23	51.71	2.0
BOYS HOSTE ALL AROUND		
P24	60.88	1.5
P25	22.52	1.5

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KEY PLAN

GENERAL NOTES:
1. UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS.
2. DRAWING SHALL NOT BE SCALED. ONLY WRITTEN DIMENSIONS SHOULD BE FOLLOWED.
3. THE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL RELEVANT MEP,STRUCTURAL DWGS AND PROJECT SPECIFICATIONS. ANY DISCREPANCY SHOULD BE BROUGHT TO THE NOTICE OF ARCHITECT BEFORE IMPLEMENTATION.
4. ALL DOORS & OPENINGS ARE 115 & 230 mm OFFSET FROM THE CORNER U.N.O.
5. ALL INTERNAL TOILETS ARE MECHANICALLY VENTILATED.
6. SHAFT TERMINATION AS PER TYPICAL DETAIL.

LEGEND

FOR PLANS
- TOP — TOP OF PARAPET
- FFL — FLOOR FINISH LEVEL
- SSL — SLAB STRUCTURE LEVEL
- FPL — FINISH PAVING LEVEL
- FRL — FINISH ROAD LEVEL
- FGL — FINISH GROUND LEVEL
- E1 / B1-1-001 — ELEVATION NO. SHEET NO. — ELEVATION MARK

FOR ELEVATIONS & SECTIONS
- TOP — TOP OF PARAPET
- FFL — FLOOR FINISH LEVEL
- SSL — SLAB STRUCTURE LEVEL
- FPL — FINISH PAVING LEVEL
- FRL — FINISH ROAD LEVEL
- FGL — FINISH GROUND LEVEL
- S1 / B1-1-001 — SECTION NO. SHEET NO. — SECTION MARK

REFERENCE DRAWINGS

DRAWING NO.	TITLE
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–	–
–	–

REV.NO.	DESCRIPTION	DRAWN	CHECKED	DATE
1.				
0	FOR APPROVAL			

REVISIONS

CLIENT:
NATIONAL EDUCATION SOCIETY FOR TRIBAL STUDENTS (NESTS)

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PROJECT
EKLAVYA MODEL RESIDENTIAL SCHOOL,
AT:NAGRI,RANCHI, JHARKHAND

NORTH:

BUILDING NAME: MASTER LAYOUT PLAN

DRAWING TITLE: MASTER LAYOUT PLAN

DRAWING NUMBER: EMRS-JH19-AR-MLP-01

SCALE: 1:500 | SHEET SIZE: A1 | DATE: 19.12.2023 | REV NO: R0

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