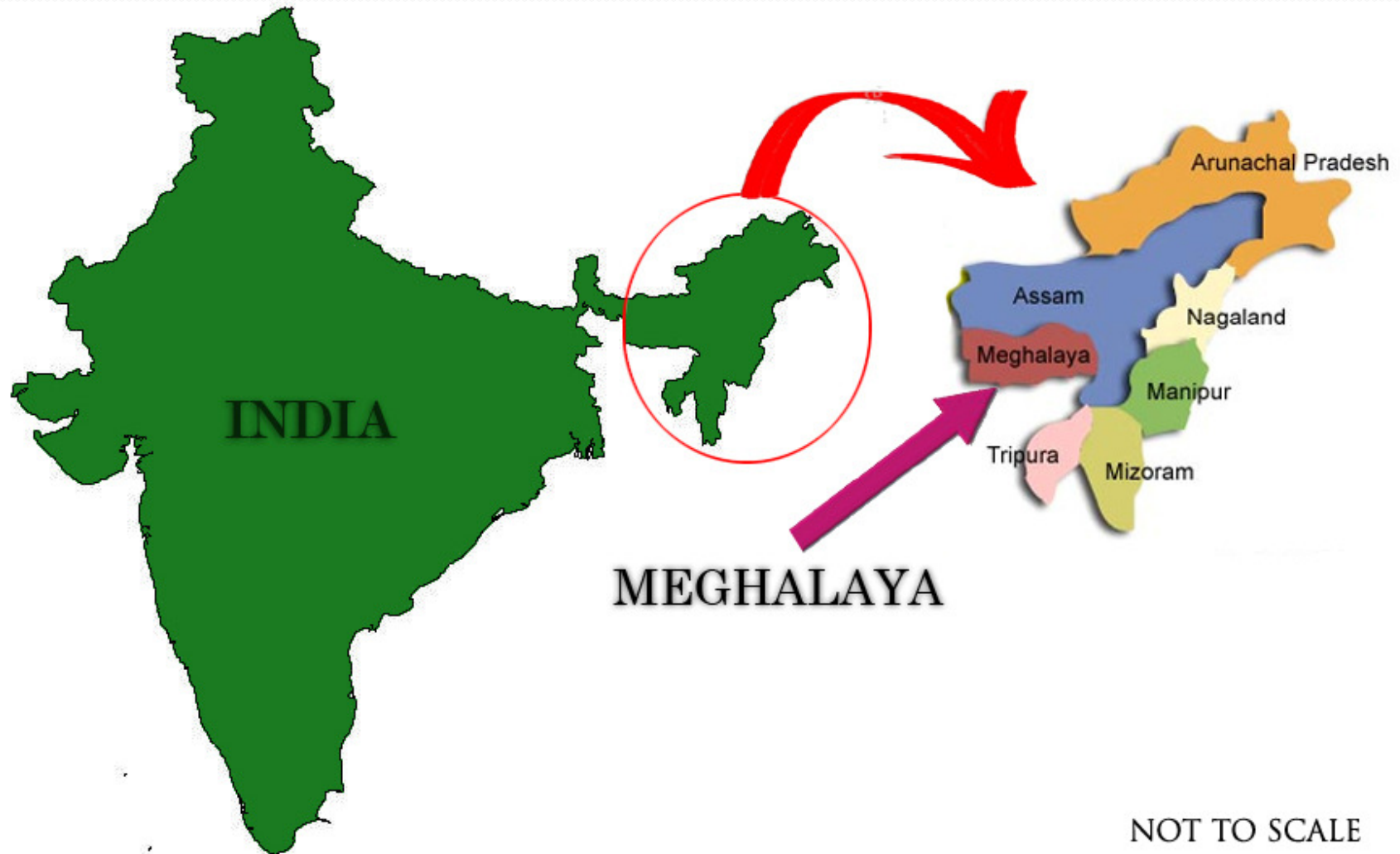


Presentation on Girls Hostel Scheme

MEGHALAYA

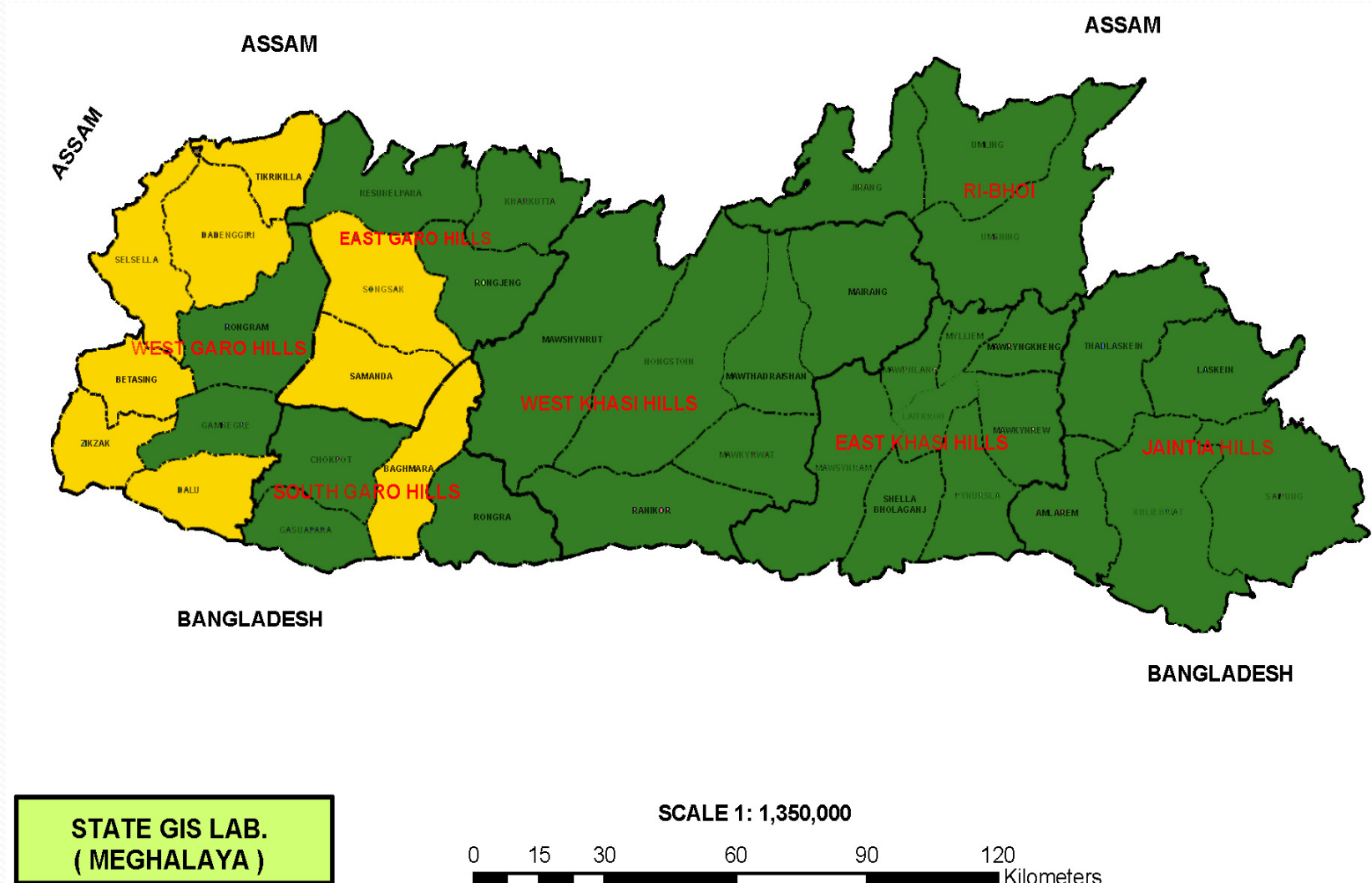
MAP OF INDIA

(Showing Meghalaya)



Map of Meghalaya

(Yellow indicates EBB)



Profile Of Meghalaya

❖ No. of Districts	=	7
❖ Area	=	22720 KM ²
❖ No. of Sub-Division	=	8
❖ State Capital	=	Shillong
❖ No. of Villages	=	5990
❖ No. of Habitation	=	8095
❖ No. of RD/CD Block	=	39
❖ Sex Ratio	=	975/1000
❖ No. of EBBs	=	9
❖ Name of Districts having EBBs	=	1) East Garo Hills 2) South Garo Hills 3) West Garo Hills

Number of EBB Blocks

<u>District</u>	<u>No. of EBBs</u>
1) East Garo Hills	: 2 EBBs
2) South Garo Hills	: 1 EBB
3) West Garo Hills	: 6 EBB
Total : 9 EBBs	

Information regarding 9 EBBs in Meghalaya

Sl. No	Name of District	Name of EBBs	Population of the Block			Female Literacy as per 2001 census
			SC	ST	Minority	
1	East Garo Hills	Samanda	5	24637	500	44.61
2	East Garo Hills	Songsak	0	41519	350	37.99
3	Souh Garo Hills	Baghmara	8	35160	0	42.87
4	West Garo Hills	Betasing	121	60564	1850	42.19
5	West Garo Hills	Dadenggiri	1	30379	0	23.90
6	West Garo Hills	Dalu	580	51585	0	42.94
7	West Garo Hills	Selsella	2656	67307	0	35.13
8	West Garo Hills	Tikrikilla	403	45080	1750	38.87
9	West Garo Hills	Zikzak	1569	47086	2700	38.19

Information regarding 9 EBBs in Meghalaya

SI No	Name of EBBs	No. of Villages in the Block		Selected Village for establishment of Girls Hostel	No. of Govt. Schools			
		Below 1000 Popn.	Above 1000 Popn.		PS	MS	HS	HSS
1	Samanda	138	0	Samanda	132	41	1	1
2	Songsak	198	1	Tebil Bonegre	168	48	0	0
3	Baghmara	152	1	Siju Songmong	108	5	2	2
4	Betasing	211	1	Chondon	159	30	0	0
5	Dadenggre	122	1	Dadenggre	76	19	1	1
6	Dalu	258	6	Kherapara	118	23	1	1
7	Selsella	297	34	Selsella	199	46	0	0
8	Tikrikilla	170	2	Bonduk mali	130	20	0	0
9	Zikzak	195	7	Songjampara demdemakona	159	27	1	1

Outline of the Proposal

- 9 Girls Hostels will be set up in each EBB.
- Unit cost for construction will be Rs. 238 Lakhs per Hostel.
- Total Project cost estimated at Rs. 2197 Lakhs.
- Civil works estimates is based on current State PWD SOR.
- The Scheme will be implemented within the current Financial year.
- State share of Rs. 2.20 Crore will be provided.
- The Scheme will be implemented through SEMAM.
- Detailed costings and prices for furnitures and fixtures are based on local market rates.

Project Implementation Arrangements (1/2)

- Capacity of the hostel will be 100 girls per hostel.
- The Scheme shall be implemented through SEMAM which has strengthened its Engineering Wing.
- Detailed building estimate based on current State PWD SoR is used for estimation of buildings.
- Necessary convergences with the Schemes of Central and State Govts.
- Independent Third Party Monitoring and Evaluation will also be ensured.
- The State matching shares shall be provided at the appropriate time.
- Recurring cost will be proposed from next financial year.

Project Implementation Arrangements (2/2)

- Selection of girls will be done on merit cum means basis by giving preference to ST, Minority communities and BPL families.
- Life skill, sports, vocational, cultural activities, moral education etc. will be given due emphasis.
- Remedial Teaching for weaker and slow learners will be arranged.
- Steps will be taken to impart sense of patriotism, confidence, respect for parents and elders.
- Health checkup and awareness on personal hygiene.
- Programs on Sex education and AIDS awareness will be conducted.

DESIGN REPORT (BUILDING COMPONENTS) FOR CONSTRUCTION OF GIRLS HOSTEL IN MEGHALAYA

Sl. No.	Items of reference	Area as per Norms	Proposed Area
1	Hostel rooms for 25 Rooms, each room will have 4 cots viz 25X4X62.5 sq.ft.)	6250.00	5983.22
2	Bath rooms with WC (16 nos for general @ 30 sq.ft and 01 no. for differently able students @ 45 sq.ft.)	480.00	445.44
3	Bath rooms with WC for differently able children (1 No.)	45.00	47.52
4	Kitchen with Store	300.00	293.04
5	Dining Hall	400.00	392.04
6	Warden's room - cum - office	450.00	397.36
7	Mini library - cum - reading room	200.00	192.24
8	Recreation room	200.00	192.24
9	Security room	100.00	96.04
10	Generator room	100.00	96.04
11	Medical checkup cum visitor's room	100.00	95.16
Sub-Total :		8625.00	8230.34
	Adding Circulation area (corridor) and wall thickness [Circulation Area + Wall thickness = Total plinth area – (Total area of all rooms) – (Total areas of all column sections)] = 11620.87 – 8230.34 – 91 = 3299.53 sq.ft.	3019.00	3299.53
Grand Total :		11644.00	11529.87
Say		11650.00	11529.87
Difference =		(120.13sq.ft) 1.03%	

Note: The difference between the Norms area and Proposed area is 120.13 sq.ft. (1.03%) which is within 5% point, thus acceptable as per usual practice.

Detailed Costing of Furniture & Fixture including Kitchen Devices for Girls Hostel, (As per Local Rates) (1/2)

Rs in Lakhs

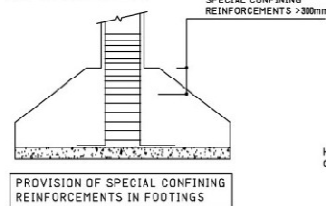
Sl. No	Particulars/Items	Rate	Phy.	Amount
1	HOSTEL ROOM			
1.1	Beds	0.025	100	2.500
1.2	Learning Tables	0.010	100	1.000
1.3	Chairs	0.003	100	0.300
1.4	Wardrobe	0.040	50	2.000
1.5	Book Shelves	0.030	50	1.500
1.6	Bedding Set	0.060	100	6.000
Sub-Total :				13.300
2	KITCHEN DEVICES			
2.1	Dinning Tables	0.050	6	0.300
2.2	Single Chairs	0.003	110	0.330
2.3	Gas Stove	0.025	5	0.125
2.4	Steel Plate		110	0.100
2.5	Set of Spoons		110	0.080
2.6	Pan Set	0.040	10	0.400
2.7	Spatula Sets	0.012	10	0.120
2.8	Containers	0.003	20	0.060
2.9	Pressure Cooker	0.030	10	0.300
2.10	Bowl Sets	0.025	10	0.250
Sub-Total :				2.065

Detailed Costing of Furniture & Fixture including Kitchen Devices for Girls Hostel, (As per Local Rates) (2/2)

Sl. No	Particulars/Items	Rate	Phy.	Amount
3	FURNITURE FOR COMMON/RECREATION ROOM			
3.1	Tables	0.020	4	0.080
3.2	Set of Chairs/Benches	0.003	5	0.015
3.3	Television Set (including DVD Player)	0.250	1	0.250
Sub-Total :				0.345
4	WARDEN ROOM-CUM-OFFICE			
4.1	Bed	0.025	2	0.050
4.2	Table	0.050	2	0.100
4.3	Chair	0.003	2	0.006
4.4	Steel Almirah	0.100	2	0.200
4.5	Computer Set	0.500	1	0.500
4.6	Wardrobe	0.050	2	0.100
4.7	Book Shelves	0.050	2	0.100
4.8	Dressing Table	0.040	1	0.040
4.9	Bedding Set	0.070	2	0.140
Sub-Total :				1.236
5	LIBRARY-CUM-READING ROOM			
5.1	Tables (Hand-made)	0.040	25	1.000
5.2	Chairs	0.003	50	0.150
5.3	Book Shelves	0.050	10	0.500
Sub-Total :				1.650
6	Tables & Chairs for Visitors Room	0.050	3	0.150
7	Tables & Chairs for Security Room	0.023	1	0.023
8	Purchase of Generator	1.000	1	1.000
9	Miscellenious			0.231
GRAND TOTAL :				20.000

Details of Columns & Joints

1. FOUNDATION



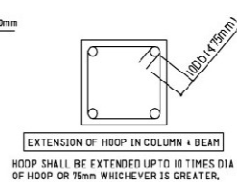
- (i). PCC 1:3:6 100mm THICK SHALL BE LAID FOR LEVELLING COURSE BELOW FOUNDATION.
(ii). WHEN COLUMN TERMINATES INTO A FOOTING, OR MAT, SPECIAL CONFINING REINFORCEMENT SHALL EXTEND AT LEAST 300mm INTO THE FOOTING OR MAT.

2. COLUMN

- (i). SPECIAL CONFINING REINFORCEMENT SHALL BE PROVIDED OVER A LENGTH 'L_o' FROM EACH JOINT FACE, TOWARDS MID SPAN. THE LENGTH 'L_o' SHALL NOT BE LESS THAN (a) LARGER LATERAL DIMENSION OF THE MEMBER AT THE SECTION WHERE YIELDING OCCURS, (b) 1/6 OF THE CLEAR SPAN OF THE MEMBER, (c) 450mm THE SPACING OF HOOPS USED AS SPECIAL CONFINING STEEL SHALL NOT EXCEED 1/6 OF THE MINIMUM MEMBER DIMENSION BUT NOT LESS THAN 75mm NOR MORE THAN 100mm.
(ii). THE SPACING OF HOOPS WITHIN 'H_c-2L_o' SHALL NOT EXCEED HALF THE LEAST LATERAL DIMENSION OF THE COLUMN EXCEPT WHERE SPECIAL CONFINING REINFORCEMENT PROVIDED FOR SPLICE.
(iii). LAP SPLICE SHALL BE PROVIDED ONLY IN THE CENTRAL HALF OF THE MEMBER LENGTH. HOOPS SHALL BE PROVIDED OVER THE ENTIRE SPLICE LENGTH AT A SPACING NOT MORE THAN 150mm C/C NOT MORE THAN 50% OF THE BARS SHALL BE SPLICE AT ONE SECTION.
(iv). A JOINT WHICH HAS BEAM FRAMING INTO ONE/TWO SIDES SHALL BE PROVIDED WITH SPECIAL CONFINING STEEL WITH A SPACING EQUAL TO SL NO (i) WITHIN THE JOINT.
(v). A JOINT WHICH HAS BEAM FRAMING INTO ALL FOUR FACES SHALL BE PROVIDED WITH A SPACING DOUBLE THE SPECIAL CONFINING STEEL REQUIRED AT THE END OF THE COLUMN. THE SPACING OF THE HOOP WITHIN THE JOINT SHALL NOT EXCEED 150mm.
(vi). LAP LENGTH SHALL BE 68 TIMES DIAMETER OF LONGITUDINAL REINFORCEMENTS.

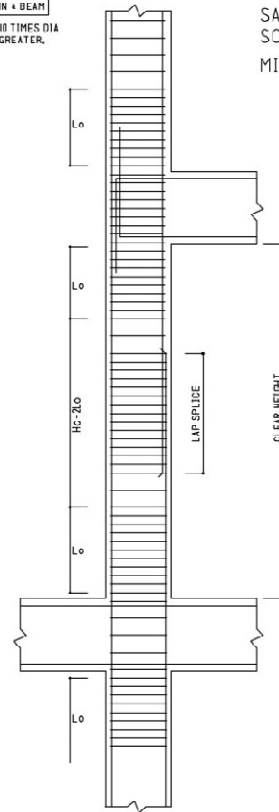
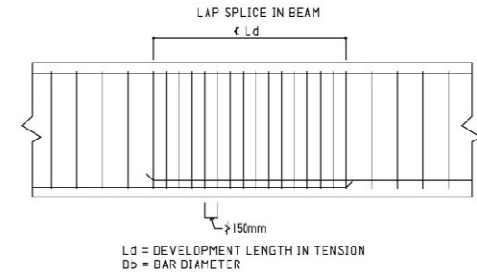
3. BEAMS

- (i). THE LONGITUDINAL BARS IN BEAMS SHALL BE SPLICED, ONLY IF HOOPS ARE PROVIDED OVER THE ENTIRE SPLICE LENGTH AT A SPACING NOT EXCEEDING 50mm C/C.
(ii). THE LAP LENGTH SHALL NOT BE LESS THAN THE DEVELOPMENT LENGTH 'L_d' IN TENSION AND SHALL NOT BE LESS THAN 59 TIMES THE DIA OF THE BAR.
(iii). THE LAP LENGTH SHALL NOT BE LESS THAN THE DEVELOPMENT LENGTH 'L_d' IN TENSION AND SHALL NOT BE LESS THAN 59 TIMES THE DIA OF THE BAR.



MATERIALS

1. CEMENT CONCRETE = M20
2. STEEL = Fe 415 (conforming to IS:1786)
SAFE BEARING CAPACITY OF SOIL = 250 KN/SqM
MINIMUM CURING PERIOD = 28 DAYS



COLUMN AND JOINT DETAILS

CLEAR COVERS

1. FOUNDATION = 50mm
2. COLUMNS = 40mm
3. BEAMS = 25mm
4. SLAB = 15mm
5. STAIRCASES = 15mm
6. CHAJJAH = 15mm

NO.	REVISION	DATE
1	1. DESIGN REVISIONS: (i) FOUNDATION	
2	2. COLUMN REVISIONS: (i) FOUNDATION	
3	3. BEAM REVISIONS: (i) FOUNDATION	
4	4. JOINT REVISIONS: (i) FOUNDATION	
5	5. STAIRCASE REVISIONS: (i) FOUNDATION	
6	6. CHAJJAH REVISIONS: (i) FOUNDATION	
7	7. FOUNDATION REVISIONS: (i) FOUNDATION	
8	8. COLUMN REVISIONS: (i) FOUNDATION	
9	9. BEAM REVISIONS: (i) FOUNDATION	
10	10. JOINT REVISIONS: (i) FOUNDATION	
11	11. STAIRCASE REVISIONS: (i) FOUNDATION	
12	12. CHAJJAH REVISIONS: (i) FOUNDATION	

PROJECT :

CONSTRUCTION OF GIRLS HOSTEL WITH
100 CHILDREN IN SELSELLA, WEST
GARO HILLS, MEGHALAYA.

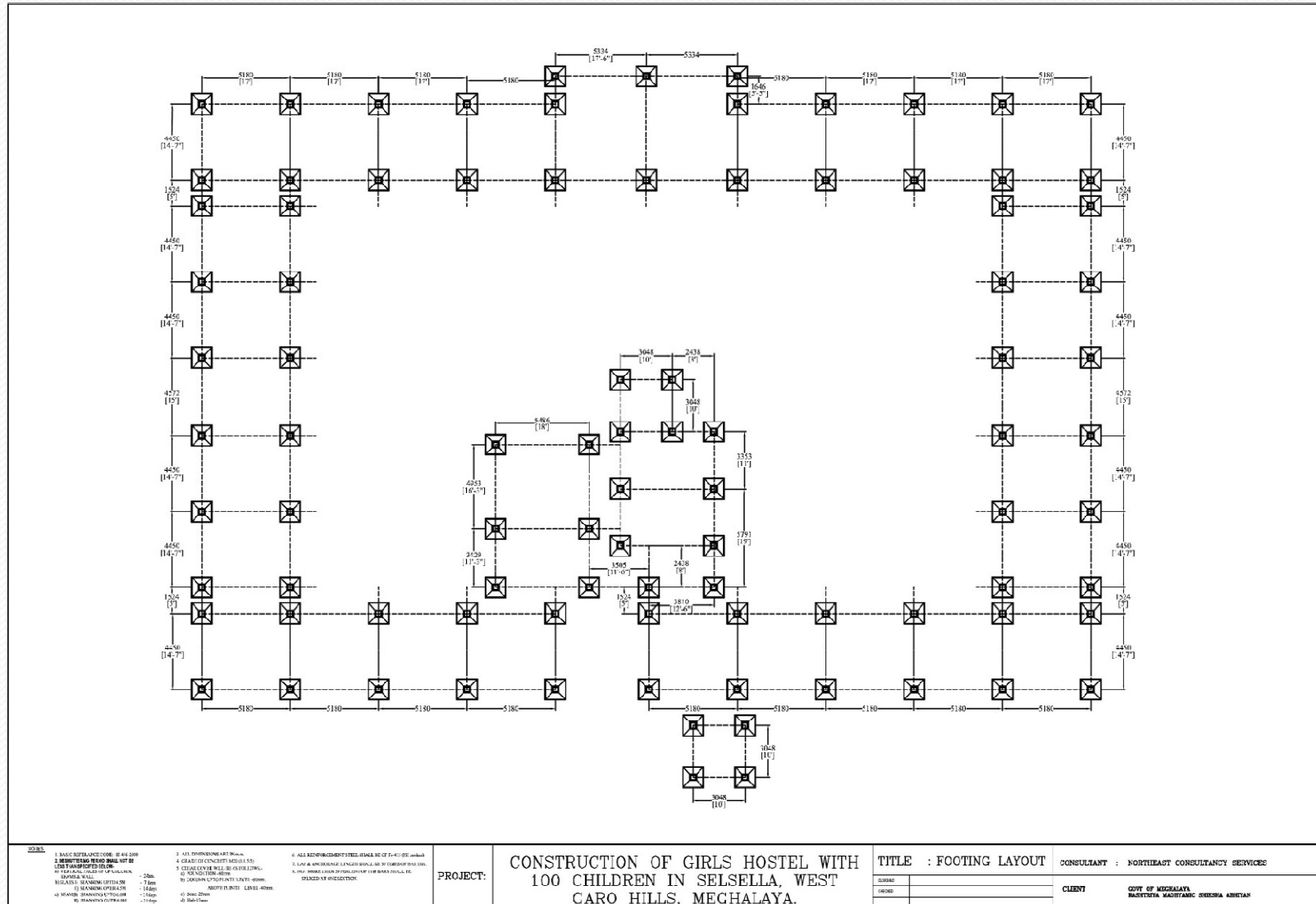
GENERAL NOTES

NO.	REVISION	DATE
1	1. DESIGN REVISIONS: (i) FOUNDATION	
2	2. COLUMN REVISIONS: (i) FOUNDATION	
3	3. BEAM REVISIONS: (i) FOUNDATION	
4	4. JOINT REVISIONS: (i) FOUNDATION	
5	5. STAIRCASE REVISIONS: (i) FOUNDATION	
6	6. CHAJJAH REVISIONS: (i) FOUNDATION	

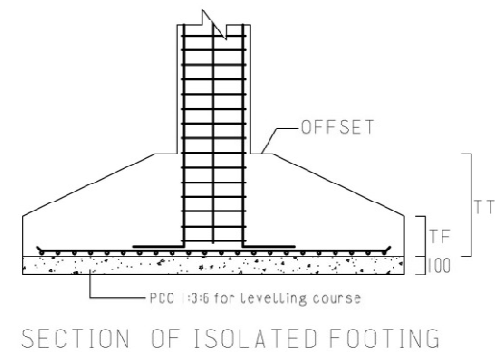
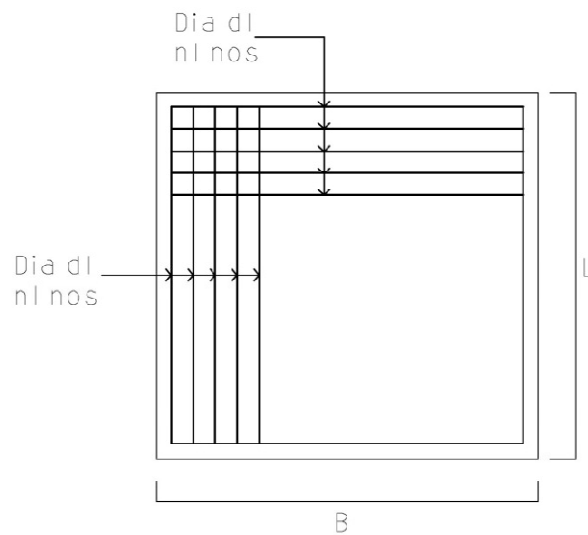
CONSULTANT : NORTHEAST CONSULTANT SERVICES

CLIENT : GOVT OF MEGHALAYA,
BARISHRETA MAHATMA GANDHI SESSULA ARISTON

Column Footing Layout



Column Footing Details



FOOTING	SIZE (LxB) mm	THICKNESS AT FREE END (TF)	TOTAL THICKNESS (TT)	REINFORCEMENTS			
				Along 'L'		Along 'B'	
				Dia d1	No n1	Dia d2	No n2
F	1219 X 1219	100	300	12 ϕ	6	12 ϕ	6

NOTES:

1. ALL DIMENSIONS ARE IN MM.
2. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.
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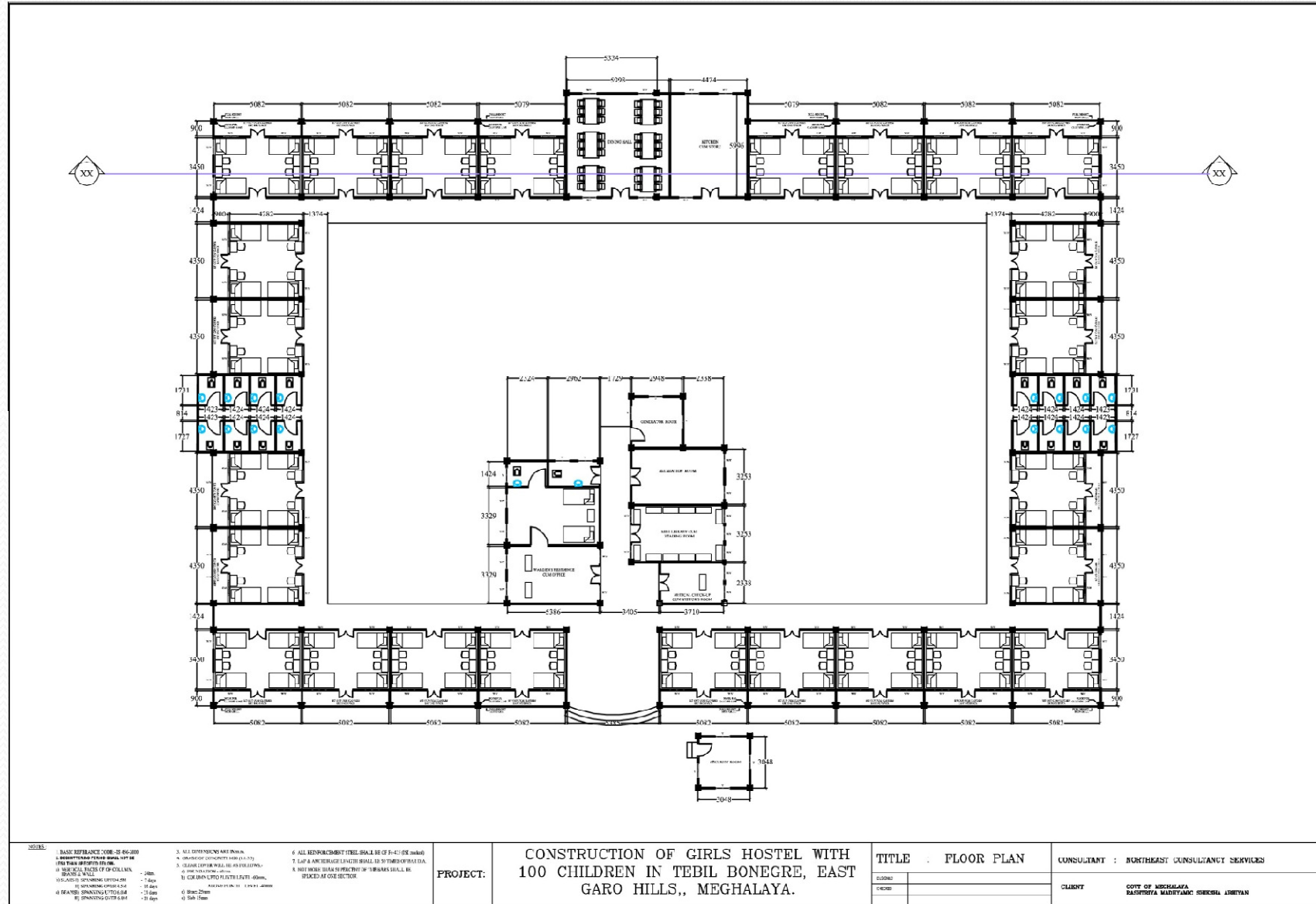
8. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.
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CONSTRUCTION OF GIRLS HOSTEL WITH
100 CHILDREN IN SELSELLA, WEST
GARO HILLS, MEGHALAYA.

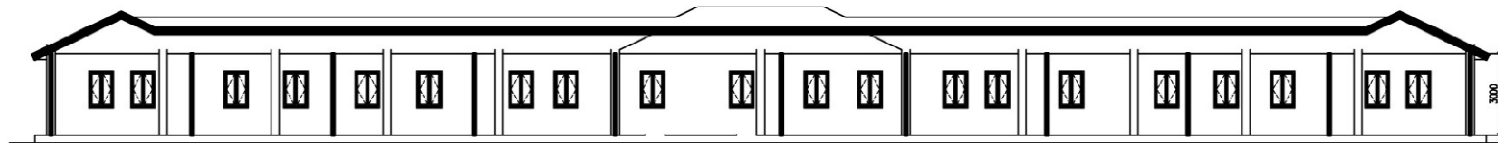
FOOTING DETAILS

CONSULTANT:- NORTHEAST CONSULTANCY SERVICES
CLIENT:- GOVERNMENT OF MEGHALAYA
BASHTIYA MADHYAMIC SHERSHA ABHIYAN

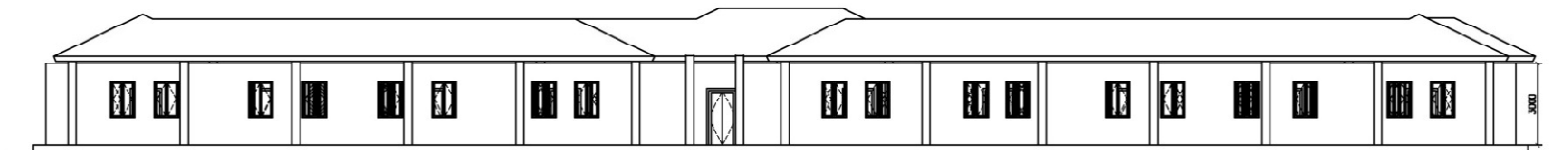
Floor Plan of Girls Hostel



Section & Elevation of Girls Hostel



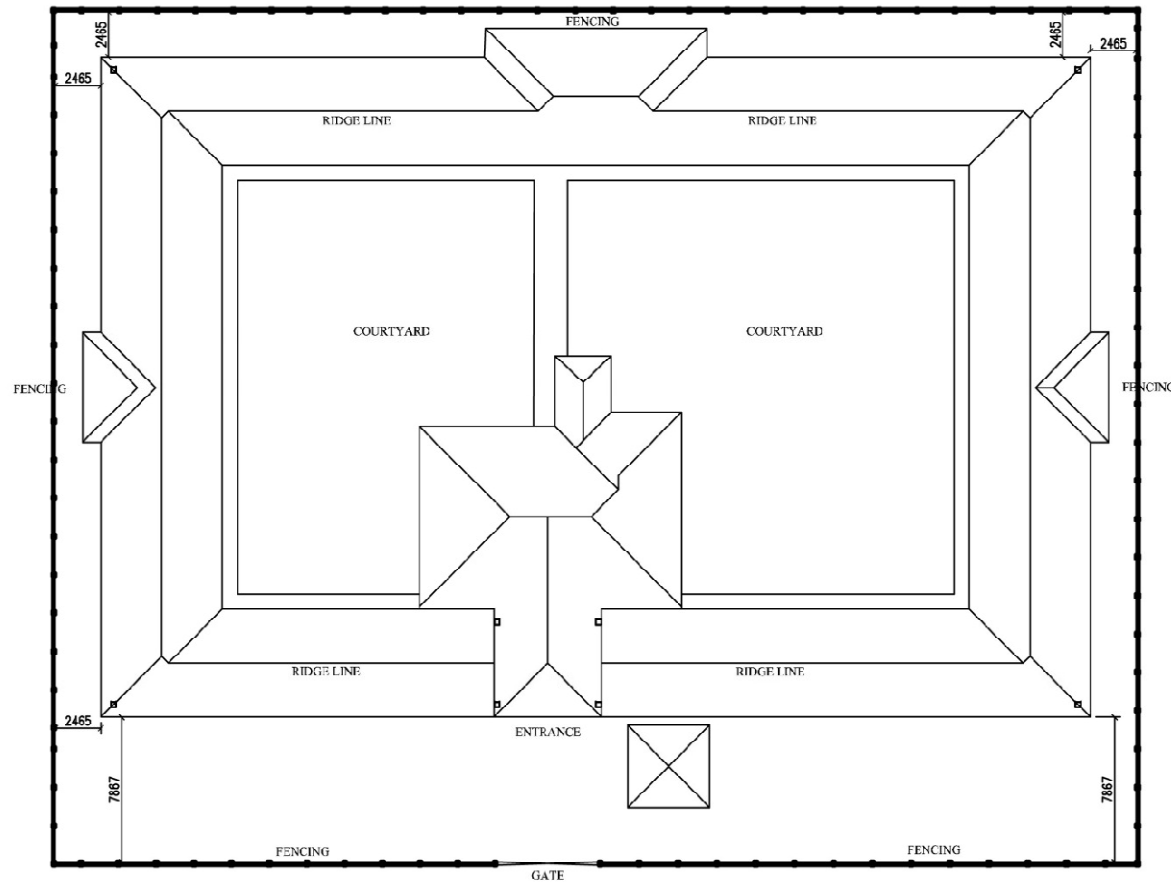
SECTION - XX



FRONT ELEVATION

<p>1. DRAWN BY: JAYANTH K. S. 11/01/2020 2. DESIGN: JAYANTH K. S. 11/01/2020 3. CHECK: JAYANTH K. S. 11/01/2020 4. SCALE: 1/4" = 1'-0"</p>	<p>5. ALL DIMENSIONS ARE IN mm. 6. GRADE OR FINISH: 1.000 7. GRADE OR FINISH: 1.000 8. GRADE OR FINISH: 1.000 9. GRADE OR FINISH: 1.000 10. GRADE OR FINISH: 1.000 11. GRADE OR FINISH: 1.000 12. GRADE OR FINISH: 1.000 13. GRADE OR FINISH: 1.000 14. GRADE OR FINISH: 1.000 15. GRADE OR FINISH: 1.000 16. GRADE OR FINISH: 1.000 17. GRADE OR FINISH: 1.000 18. GRADE OR FINISH: 1.000 19. GRADE OR FINISH: 1.000 20. GRADE OR FINISH: 1.000 21. GRADE OR FINISH: 1.000 22. GRADE OR FINISH: 1.000 23. GRADE OR FINISH: 1.000 24. GRADE OR FINISH: 1.000 25. GRADE OR FINISH: 1.000 26. GRADE OR FINISH: 1.000 27. GRADE OR FINISH: 1.000 28. GRADE OR FINISH: 1.000 29. GRADE OR FINISH: 1.000 30. GRADE OR FINISH: 1.000 31. GRADE OR FINISH: 1.000 32. GRADE OR FINISH: 1.000 33. GRADE OR FINISH: 1.000 34. GRADE OR FINISH: 1.000 35. GRADE OR FINISH: 1.000 36. GRADE OR FINISH: 1.000 37. GRADE OR FINISH: 1.000 38. GRADE OR FINISH: 1.000 39. GRADE OR FINISH: 1.000 40. GRADE OR FINISH: 1.000 41. GRADE OR FINISH: 1.000 42. GRADE OR FINISH: 1.000 43. GRADE OR FINISH: 1.000 44. GRADE OR FINISH: 1.000 45. GRADE OR FINISH: 1.000 46. GRADE OR FINISH: 1.000 47. GRADE OR FINISH: 1.000 48. GRADE OR FINISH: 1.000 49. GRADE OR FINISH: 1.000 50. GRADE OR FINISH: 1.000 51. GRADE OR FINISH: 1.000 52. GRADE OR FINISH: 1.000 53. GRADE OR FINISH: 1.000 54. GRADE OR FINISH: 1.000 55. GRADE OR FINISH: 1.000 56. GRADE OR FINISH: 1.000 57. GRADE OR FINISH: 1.000 58. GRADE OR FINISH: 1.000 59. GRADE OR FINISH: 1.000 60. GRADE OR FINISH: 1.000 61. GRADE OR FINISH: 1.000 62. GRADE OR FINISH: 1.000 63. GRADE OR FINISH: 1.000 64. GRADE OR FINISH: 1.000 65. GRADE OR FINISH: 1.000 66. GRADE OR FINISH: 1.000 67. GRADE OR FINISH: 1.000 68. GRADE OR FINISH: 1.000 69. GRADE OR FINISH: 1.000 70. GRADE OR FINISH: 1.000 71. GRADE OR FINISH: 1.000 72. GRADE OR FINISH: 1.000 73. GRADE OR FINISH: 1.000 74. GRADE OR FINISH: 1.000 75. GRADE OR FINISH: 1.000 76. GRADE OR FINISH: 1.000 77. GRADE OR FINISH: 1.000 78. GRADE OR FINISH: 1.000 79. GRADE OR FINISH: 1.000 80. GRADE OR FINISH: 1.000 81. GRADE OR FINISH: 1.000 82. GRADE OR FINISH: 1.000 83. GRADE OR FINISH: 1.000 84. GRADE OR FINISH: 1.000 85. GRADE OR FINISH: 1.000 86. GRADE OR FINISH: 1.000 87. GRADE OR FINISH: 1.000 88. GRADE OR FINISH: 1.000 89. GRADE OR FINISH: 1.000 90. GRADE OR FINISH: 1.000 91. GRADE OR FINISH: 1.000 92. GRADE OR FINISH: 1.000 93. GRADE OR FINISH: 1.000 94. GRADE OR FINISH: 1.000 95. GRADE OR FINISH: 1.000 96. GRADE OR FINISH: 1.000 97. GRADE OR FINISH: 1.000 98. GRADE OR FINISH: 1.000 99. GRADE OR FINISH: 1.000 100. GRADE OR FINISH: 1.000</p>	<p>PROJECT: CONSTRUCTION OF GIRLS HOSTEL WITH 100 CHILDREN IN TEBIL BONEGRE, EAST GARO HILLS, MEGHALAYA.</p>	<p>TITLE : SECTION & ELEVATION</p> <p>CONSULTANT : NORTHEAST CONSULTANCY SERVICES</p> <p>CLIENT : GOVT. OF MEGHALAYA, RAJIBUHA RAJIBUHA SHANBA ARUNTA</p>
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Site Plan Showing Fencing of Girls Hostel



NOTES

1. BOUNDARY WALL: 2.40m
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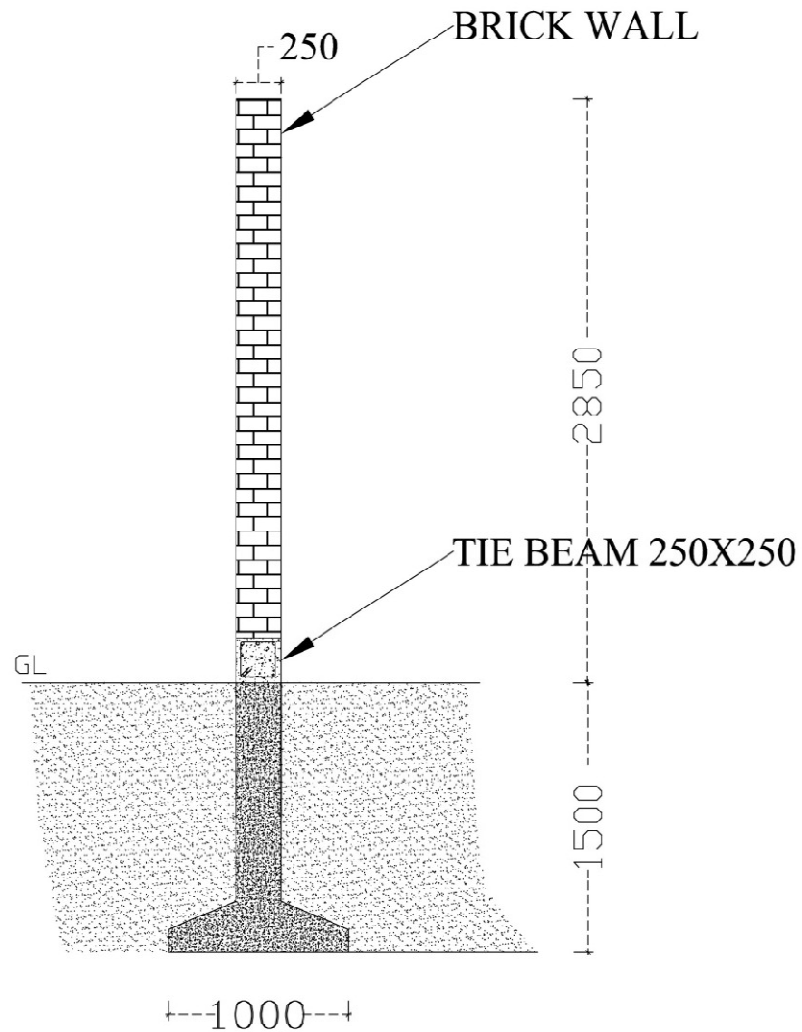
PROJECT: CONSTRUCTION OF GIRLS HOSTEL WITH 100 CHILDREN IN TEBIL BONEGRE, EAST GARO HILLS, MEGHALAYA.

TITLE : SITE PLAN SHOWING FENCING

CONSULTANT : NORTHEAST CONSULTANCY SERVICES

CLIENT : GOVT OF MEGHALAYA

Structural Design for Compound Wall



TITLE :

TYPICAL SECTION OF
BOUNDARY WALL

All dimensions are in mm.

PROJECT :

CONSTRUCTION OF GIRLS
HOSTEL WITH 100
CHILDREN IN TEBIL
BONEGRE, EAST GARO
HILLS, MEGHALAYA.

CONSULTANT :

NORTHEAST CONSULTANCY
SERVICES

CLIENT :

GOVT. OF MEGHALAYA,
RASTRIYA MADHYAMIC
SHIKSHA ABHIYAN

Costing for Construction of Girls Hostels in Meghalaya

In lakhs of Rupees

Sl. No	Items/Particulars	Proposal		
		Phy	Unit Cost	Fin
1	Construction of Hostel Buildings including Administrative cost, works charge & consultancy charges.	9	162.06	1,458.58
2	Compound Wall	9	9.00	81.00
3	Sanitary & Water Supply	9	13.47	121.21
4	Internal Electrification	9	13.47	121.21
5	Fire fighting equipments	9	3.00	27.00
6	Furniture and Fixture	9	20.00	180.00
7	Installation of Solar energy equipment	9	17.00	153.00
8	3% MMER			55.00
Sub Total :				2197.00

District-wise Proposal for Construction of Girls Hostel

Based on State Meghalaya PWD SoR, 2010 (latest)

Sl. No	Name of District	Proposal (Rs in lakhs)				
		Phy.	Unit Cost	Fin	3% MMER	Total
1	East Garo Hills	2	238.00	467.00	55	2197.00
2	South Garo Hills	1	238.00	238.00		
3	West Garo Hills	6	238.00	1428.00		
Total :		9		2142.00	55.00	2197.00

Block/Village-wise Proposal for Construction of Girls Hostel in Meghalaya

Sl. No	Name of EBB	Cost of Construction as per SOR,PWD Meghalaya (Rs in lakh)	3% MMER (Rs in lakh)	Amount Proposed (Rs in lakhs)
1	Samanda	238.00	55.00	2197.00
2	Songsak	238.00		
3	Baghmara	238.00		
4	Betasing	238.00		
5	Dadenggiri	238.00		
6	Dalu	238.00		
7	Selsella	238.00		
8	Tikrikila	238.00		
9	Zikzak	238.00		



THANK YOU