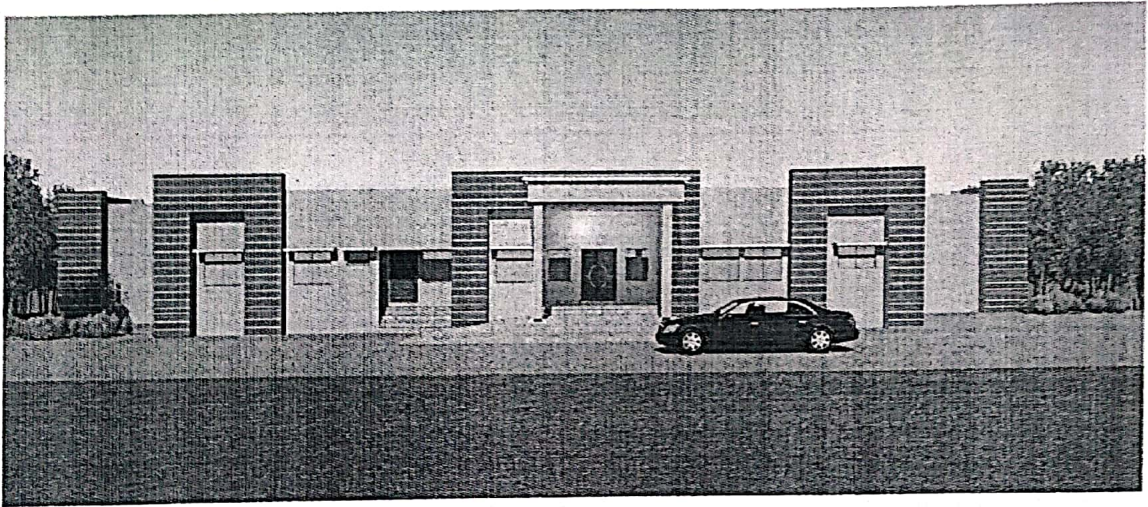


PROPOSAL

For

PRE-MATRIC ST BOYS' HOSTEL

श्री ॥ आश्विनी बालक कलावाह नावाधारी टेण्डा, क. ०२.
नवन निर्माण कार्य वि० ख० ड०. किला - रायपुर.



For

DEPTT. OF TRIBAL DEVELOPMENT,
RAIPUR, C. G.

Prepared by

BHARTI & ASSOCIATES

NEAR LEFWORTH HOSPITAL,
SAMTA COLONY, RAIPUR, C.G.


CELL - 94252 14343


MAIL - upadhyaybharti@yahoo.com

Y. S. Bairagi - District Engineer
 Date: 29/02/2024
 No. 29/2024

| SUMMARY OF ESTIMATE FOR 50 BED PRE-MATRIC SC/ST HOSTEL FOR TRIBAL DEVELOPMENT DEPARTMENT | | |
|---|--|-----------------|
| 1 | BUILDING WORKS | Rs. 10657000.00 |
| 2 | SANITARY & WATER SUPPLY | Rs. 655000.00 |
| 3 | ELECTRIFICATION (@ 9% OF CIVIL WORK) | Rs. 959000.00 |
| 4 | SEPTIC TANK | Rs. 61000.00 |
| 5 | BORE WELL | Rs. 71000.00 |
| 6 | SUBMERSIBLE PUMP | Rs. 83000.00 |
| 7 | SUMP WELL | Rs. 84000.00 |
| 8 | RAIN WATER HARVESTING | Rs. 48000.00 |
| 9 | PERMANENT RCC BED | Rs. 559000.00 |
| 10 | CHAUKIDAR QUARTER | Rs. 334000.00 |
| 11 | BOUNDARY WALL | Rs. 1288000.00 |
| 12 | DRAIN | Rs. 202000.00 |
| 13 | ENTRANCE ROAD | Rs. 182000.00 |
| 14 | SITE DEVELOPMENT (Flower beds, horticulture, etc.) L/S | Rs. 64000.00 |
| SUB-TOTAL | | Rs. 15247000.00 |
| Add for Contingencies | | Rs. 50000.00 |

| | | | |
|--|-------------|-----|-------------|
| | GRAND TOTAL | Rs. | 15297000.00 |
| | | | |
| | SAY | Rs. | 152.97 Lakh |


Assistant Engineer
Tribal Develop.
Raigarh (C.G.)



Executive Engineer
S.T. & S.C. Department
Raipur (C. G.)

I.S. No. 105/28-27 Date 12/06/2026

Technically Sanction Rs. 15297000 = IN

In No.

one crore fifty two lakhs sixty seven thousand only
Detailed estimate for construction of 50 seater precast
tribal boys hostel building at Nawa Parg Tenda no-02 Dist Raigarh


Chief Engineer
& Nodal Officer Tribal Department
Panchayat & Rural Development
C.G. Raipur

DETAILED ESTIMATE FOR 50 BED PRE-MATRIC SC/ST HOSTEL

FOR TRIBAL DEVELOPMENT DEPARTMENT

AS PER PWD BUILDING SOR, w.e.f. 01.01.2015

| SN | REF | DESCRIPTION | NO | L | W | H/D | QTY | UNIT | RATE | AMOUNT |
|----|------|--|-----|--------|-------|------|--------|------|--------|-----------|
| 1 | 1.1 | Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits. | | | | | | | | |
| | 1 | In all types of soils. | | | | | | | | |
| | | beam excavation | 1 | 498.40 | 0.40 | 0.30 | 59.81 | | | |
| | | F1 C1 | 58 | 2.20 | 2.20 | 2.00 | 561.44 | | | |
| | | F2 C2 | 11 | 2.60 | 2.40 | 2.00 | 137.28 | | | |
| | | F3 C3 | 24 | 1.80 | 1.80 | 2.00 | 155.52 | | | |
| | | F4 C4 | 2 | 2.00 | 2.00 | 2.00 | 16.00 | | | |
| | | | | | | | 930.05 | cum | 185.00 | 172058.88 |
| 2 | 1.6 | Extra for every additional lift of 1.5 m or part thereof. | | | | | | | | |
| | 1 | All types of soils | | | | | | | | |
| | | F1 C1 | 58 | 2.20 | 2.20 | 0.50 | 140.36 | | | |
| | | F2 C2 | 11 | 2.60 | 2.40 | 0.50 | 34.32 | | | |
| | | F3 C3 | 24 | 1.80 | 1.80 | 0.50 | 38.88 | | | |
| | | F4 C4 | 2 | 2.00 | 2.00 | 0.50 | 4.00 | | | |
| | | | | | | | 217.56 | cum | 26.50 | 5765.34 |
| 3 | 1.17 | Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering with a lead upto 50 M. and lift upto 1.5 M. | | | | | | | | |
| | | Plinth filling | | | | | | | | |
| | | left+right wing rooms | 6 | 7.00 | 5.00 | 1.00 | 210.00 | | | |
| | | corridor | 2 | 1.80 | 11.80 | 1.00 | 42.48 | | | |
| | | back wing rooms | 3 | 5.00 | 7.00 | 1.00 | 105.00 | | | |
| | | back +front wing corridor | 2 | 29.20 | 1.80 | 1.00 | 105.12 | | | |
| | | toilets | 2 | 3.70 | 5.00 | 1.00 | 37.00 | | | |
| | | | 2 | 3.10 | 5.00 | 1.00 | 31.00 | | | |
| | | front wing wing bed rooms | 2 | 3.30 | 3.60 | 1.00 | 23.76 | | | |
| | | ots + kitchen | 2 | 3.30 | 2.40 | 1.00 | 15.84 | | | |
| | | toilet | 1 | 2.20 | 1.20 | 1.00 | 2.64 | | | |
| | | store | 1 | 1.20 | 2.40 | 1.00 | 2.88 | | | |
| | | toilet | 1 | 1.20 | 5.00 | 1.00 | 6.00 | | | |
| | | hall | 1 | 3.00 | 6.00 | 1.00 | 18.00 | | | |
| | | verandah | 1 | 3.00 | 1.40 | 1.00 | 4.20 | | | |
| | | staircase block | 1 | 3.00 | 4.00 | 1.00 | 12.00 | | | |
| | | sick room | 1 | 3.00 | 3.40 | 1.00 | 10.20 | | | |
| | | entrance | 1 | 5.00 | 6.00 | 1.00 | 30.00 | | | |
| | | porch | 1 | 4.90 | 5.60 | 0.40 | 10.98 | | | |
| | | dinning hall | 1 | 6.00 | 7.60 | 1.00 | 45.60 | | | |
| | | store + wash | 2 | 1.70 | 2.40 | 1.00 | 8.16 | | | |
| | | kitchen | 1 | 3.60 | 5.00 | 1.00 | 18.00 | | | |
| | | total filling required in plinth | | | | | 738.86 | | | |
| | | only 20% of total required filling in plinth done with excavated stuff | 20% | 738.86 | | | 147.77 | cum | 65.00 | 9605.13 |
| 4 | 1.18 | Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc. complete. | | | | | | | | |

| SN | REF | DESCRIPTION | NO | L | W | H/D | QTY | UNIT | RATE | AMOUNT |
|----|-----|---|-----|--------|-------|-------|---------|------|---------|-----------|
| | | Filling in column pits | | | | | | | | |
| | | total excavation as in 1.1.1 | 1 | 930.05 | | | 930.05 | | | |
| | | base concrete in column pit as in 3.1.3 | 1 | 85.20 | | | -85.20 | | | |
| | | rcc in footing as in 3.2.1 | 1 | 135.93 | | | -135.93 | | | |
| | | balance 80% of filling in plinth | 80% | 738.86 | | | 591.08 | | | |
| | | filling in central courtyard | 1 | 25.80 | 11.40 | 0.75 | 220.59 | | | |
| | | | | | | | 1520.59 | cum | 371.00 | 564138.72 |
| 5 | 3.1 | Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. | | | | | | | | |
| | 3 | 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size). | | | | | | | | |
| | | below beam | 1 | 498.40 | 0.40 | 0.10 | 19.94 | | | |
| | | F1 C1 | 58 | 2.20 | 2.20 | 0.15 | 42.11 | | | |
| | | F2 C2 | 11 | 2.60 | 2.40 | 0.15 | 10.30 | | | |
| | | F3 C3 | 24 | 1.80 | 1.80 | 0.15 | 11.66 | | | |
| | | F4 C4 | 2 | 2.00 | 2.00 | 0.15 | 1.20 | | | |
| | | | | | | A = | 85.20 | | | |
| | | left+right wing rooms | 6 | 7.00 | 5.00 | 0.10 | 21.00 | | | |
| | | corridor | 2 | 1.80 | 11.80 | 0.10 | 4.25 | | | |
| | | back wing rooms | 3 | 5.00 | 7.00 | 0.10 | 10.50 | | | |
| | | back +front wing corridor | 2 | 29.20 | 1.80 | 0.10 | 10.51 | | | |
| | | toilets | 2 | 3.70 | 5.00 | 0.10 | 3.70 | | | |
| | | | 2 | 3.10 | 5.00 | 0.10 | 3.10 | | | |
| | | front wing wing bed rooms | 2 | 3.30 | 3.60 | 0.10 | 2.38 | | | |
| | | ots + kitchen | 2 | 3.30 | 2.40 | 0.10 | 1.58 | | | |
| | | toilet | 1 | 2.20 | 1.20 | 0.10 | 0.26 | | | |
| | | store | 1 | 1.20 | 2.40 | 0.10 | 0.29 | | | |
| | | toilet | 1 | 1.20 | 5.00 | 0.10 | 0.60 | | | |
| | | hall | 1 | 3.00 | 6.00 | 0.10 | 1.80 | | | |
| | | verandah | 1 | 3.00 | 1.40 | 0.10 | 0.42 | | | |
| | | staircase block | 1 | 3.00 | 4.00 | 0.10 | 1.20 | | | |
| | | sick room | 1 | 3.00 | 3.40 | 0.10 | 1.02 | | | |
| | | entrance | 1 | 5.00 | 6.00 | 0.10 | 3.00 | | | |
| | | porch | 1 | 4.90 | 5.60 | 0.10 | 2.74 | | | |
| | | dinning hall | 1 | 6.00 | 7.60 | 0.10 | 4.56 | | | |
| | | store + wash | 2 | 1.70 | 2.40 | 0.10 | 0.82 | | | |
| | | kitchen | 1 | 3.60 | 5.00 | 0.10 | 1.80 | | | |
| | | central courtyard | 0.5 | 25.80 | 11.40 | 0.10 | 14.71 | | | |
| | | | | | | B = | 90.24 | | | |
| | | | | | | A+B = | 175.44 | cum | 2970.00 | 521062.74 |
| 6 | 3.2 | Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. | | | | | | | | |
| | 1 | 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size). | | | | | | | | |
| | | RCC in plinth | | | | | | | | |
| | | Column footing - F1 C1 | 58 | 1.90 | 1.90 | 0.20 | 41.88 | | | |
| | | F2 C2 | 11 | 2.30 | 2.10 | 0.20 | 10.63 | | | |
| | | F3 C3 | 24 | 1.50 | 1.50 | 0.20 | 10.80 | | | |
| | | F4 C4 | 2 | 1.70 | 1.70 | 0.20 | 1.16 | | | |
| | | trepazoid- F1, A1 = (1.9 x 1.9 = 3.61), A2 = (0.35 x 0.55 = 0.19), Am = (1.9 + 0.35)/2 x (1.9 + 0.55)/2 = 1.38, 1/6(A1 + A2 + 4Am) = 1.55 | 58 | 1.55 | | 0.45 | 40.46 | | | |
| | | trepazoid- F2, A1 = (2.3 x 2.1 = 4.83), A2 = (0.45 x 0.6 = 0.27), Am = (2.3 + 0.60)/2 x (2.1 + 0.45)/2 = 1.85, 1/6(A1 + A2 + 4Am) = 2.08 | 11 | 2.08 | | 0.6 | 13.73 | | | |
| | | trepazoid- F3, A1 = (1.5 x 1.5 = 2.25), A2 = (0.35 x 0.45 = 0.16), Am = (1.5 + 0.35)/2 x (1.5 + 0.45)/2 = 0.9, 1/6(A1 + A2 + 4Am) = 1.00 | 24 | 1.00 | | 0.30 | 7.20 | | | |

| SN | REF | DESCRIPTION | NO | L | W | H/D | QTY | UNIT | RATE | AMOUNT |
|----|-----|---|----|------|------|---------|--------|------|------|--------|
| | | trapezoid- F4, $A1 = (1.7 \times 1.7 = 2.89)$, $A2 = (0.45 \times 0.45 = 0.20)$, $Am = (1.7 + 0.45)/2 \times (1.7 + 0.45)/2 = 1.16$, $1/6(A1 + A2 + 4Am) = 1.29$ | 2 | 1.29 | | 0.3 | 0.77 | | | |
| | | column upto ground -C1 | 58 | 0.20 | 0.40 | 1.20 | 5.57 | | | |
| | | C2 | 11 | 0.30 | 0.45 | 1.05 | 1.56 | | | |
| | | C3 | 24 | 0.20 | 0.30 | 1.35 | 1.94 | | | |
| | | C4 | 2 | 0.30 | 0.30 | 1.35 | 0.24 | | | |
| | | | | | | a = | 135.93 | | | |
| | | Column in plinth - C1 | 58 | 0.20 | 0.40 | 1.10 | 5.10 | | | |
| | | C2 | 11 | 0.30 | 0.45 | 1.10 | 1.63 | | | |
| | | C3 | 24 | 0.20 | 0.30 | 1.10 | 1.58 | | | |
| | | C4 | 2 | 0.30 | 0.30 | 0.50 | 0.09 | | | |
| | | GROUND/PLINTH BEAM | | | | | | | | |
| | | HORIZONTAL - left + right wing | | | | | | | | |
| | | GB1, rooms | 16 | 3.10 | 0.20 | 0.40 | 3.97 | | | |
| | | bracket | 14 | 0.60 | 0.20 | 0.40 | 0.67 | | | |
| | | bracket | 2 | 1.60 | 0.20 | 0.40 | 0.26 | | | |
| | | back wing GB2, rooms | 6 | 5.00 | 0.20 | 0.40 | 2.40 | | | |
| | | GB2, toilet | 2 | 3.30 | 0.20 | 0.40 | 0.53 | | | |
| | | | 4 | 3.70 | 0.20 | 0.40 | 1.18 | | | |
| | | | 2 | 3.50 | 0.20 | 0.40 | 0.56 | | | |
| | | GB1, toilet | 4 | 3.10 | 0.20 | 0.40 | 0.99 | | | |
| | | back + front corridor, GB5 | 4 | 2.85 | 0.20 | 0.30 | 0.68 | | | |
| | | | 14 | 3.00 | 0.20 | 0.30 | 2.52 | | | |
| | | front wing, bed rooms, GB1 | 8 | 3.30 | 0.20 | 0.40 | 2.11 | | | |
| | | GB5, toilet + store | 3 | 1.20 | 0.20 | 0.30 | 0.22 | | | |
| | | GB1, hall + stair + sick | 6 | 3.00 | 0.20 | 0.40 | 1.44 | | | |
| | | GB 2, entrance | 2 | 5.00 | 0.20 | 0.40 | 0.80 | | | |
| | | GB2, porch | 1 | 4.70 | 0.20 | 0.40 | 0.38 | | | |
| | | GB1, dinning | 4 | 2.80 | 0.20 | 0.40 | 0.90 | | | |
| | | GB2, store + wash | 2 | 3.60 | 0.20 | 0.40 | 0.58 | | | |
| | | GB1, kitchen | 1 | 3.60 | 0.20 | 0.40 | 0.29 | | | |
| | | bracket | 6 | 1.00 | 0.20 | 0.40 | 0.48 | | | |
| | | VERTICAL - left + right wing | | | | | | | | |
| | | GB2, rooms | 12 | 5.00 | 0.20 | 0.40 | 4.80 | | | |
| | | GB5, corridor | 4 | 2.80 | 0.20 | 0.30 | 0.67 | | | |
| | | | 4 | 2.35 | 0.20 | 0.30 | 0.56 | | | |
| | | bracket | 6 | 1.00 | 0.20 | 0.40 | 0.48 | | | |
| | | bracket | 2 | 1.60 | 0.20 | 0.40 | 0.26 | | | |
| | | back wing, toilet, GB3 | 4 | 5.00 | 0.20 | 0.45 | 1.80 | | | |
| | | GB5 | 8 | 1.50 | 0.20 | 0.30 | 0.72 | | | |
| | | GB2, rooms | 2 | 3.10 | 0.20 | 0.40 | 0.50 | | | |
| | | GB1 | 6 | 3.10 | 0.20 | 0.40 | 1.49 | | | |
| | | front wing, bed room, GB1 | 3 | 3.20 | 0.20 | 0.40 | 0.77 | | | |
| | | GB2, ots + kitchen | 4 | 3.60 | 0.20 | 0.40 | 1.15 | | | |
| | | GB2, hall + verandah | 2 | 3.20 | 0.20 | 0.40 | 0.51 | | | |
| | | GB1 | 1 | 3.20 | 0.20 | 0.40 | 0.26 | | | |
| | | GB1, entrance | 2 | 3.55 | 0.20 | 0.40 | 0.57 | | | |
| | | GB2 | 2 | 3.10 | 0.20 | 0.40 | 0.50 | | | |
| | | GB2, kitchen + store | 2 | 3.55 | 0.20 | 0.40 | 0.57 | | | |
| | | GB1 | 2 | 3.10 | 0.20 | 0.40 | 0.50 | | | |
| | | bracket | 12 | 0.60 | 0.20 | 0.40 | 0.58 | | | |
| | | GB2, porch | 2 | 3.90 | 0.20 | 0.40 | 0.62 | | | |
| | | | | | | b = | 46.65 | | | |
| | | | | | | A(a+b)= | 182.58 | | | |
| | | RCC ABOVE PLINTH | | | | | | | | |
| | | Column above plinth - C1 | 58 | 0.20 | 0.40 | 3.60 | 16.70 | | | |
| | | C2 | 11 | 0.30 | 0.45 | 3.60 | 5.35 | | | |
| | | C3 | 24 | 0.20 | 0.30 | 3.60 | 5.18 | | | |
| | | C4 | 2 | 0.30 | 0.30 | 4.20 | 0.76 | | | |
| | | SLAB BEAM | | | | | | | | |
| | | HORIZONTAL - left + right wing | | | | | | | | |

| SN | REF | DESCRIPTION | NO | L | W | HD | QTY | UNIT | RATE | AMOUNT |
|----|-----|--|----|------|------|------|------|------|------|--------|
| | | | | | | | | | | |
| | | B1, rooms | 16 | 3.10 | 0.20 | 0.40 | 3.97 | | | |
| | | bracket | 14 | 0.60 | 0.20 | 0.40 | 0.57 | | | |
| | | bracket | 2 | 1.60 | 0.20 | 0.40 | 0.26 | | | |
| | | back wing B2, rooms | 9 | 5.00 | 0.20 | 0.45 | 4.05 | | | |
| | | B2, toilet | 4 | 3.70 | 0.20 | 0.45 | 1.33 | | | |
| | | B1 | 4 | 3.10 | 0.20 | 0.40 | 0.99 | | | |
| | | back + front corridor, B4 | 4 | 2.85 | 0.20 | 0.30 | 0.68 | | | |
| | | | 14 | 3.00 | 0.20 | 0.30 | 2.52 | | | |
| | | front wing, bed rooms, B1 | 6 | 3.30 | 0.20 | 0.40 | 1.58 | | | |
| | | B4, toilet + store | 2 | 1.20 | 0.20 | 0.30 | 0.14 | | | |
| | | B1, hall + sick | 4 | 3.00 | 0.20 | 0.40 | 0.96 | | | |
| | | B 2, stair | 2 | 3.00 | 0.20 | 0.45 | 0.54 | | | |
| | | B 2, entrance + porch | 4 | 5.00 | 0.20 | 0.45 | 1.80 | | | |
| | | B3, dinning | 1 | 5.85 | 0.20 | 0.50 | 0.59 | | | |
| | | B1 | 4 | 2.80 | 0.20 | 0.40 | 0.90 | | | |
| | | B1, store + wash + kitchen | 3 | 3.60 | 0.20 | 0.40 | 0.86 | | | |
| | | bracket | 6 | 1.00 | 0.20 | 0.40 | 0.48 | | | |
| | | VERTICAL - left + right wing | | | | | | | | |
| | | B2, rooms | 18 | 5.00 | 0.20 | 0.45 | 8.10 | | | |
| | | B4, coridor | 4 | 2.80 | 0.20 | 0.30 | 0.67 | | | |
| | | | 4 | 2.35 | 0.20 | 0.30 | 0.56 | | | |
| | | bracket | 6 | 1.00 | 0.20 | 0.40 | 0.48 | | | |
| | | bracket | 2 | 1.60 | 0.20 | 0.40 | 0.26 | | | |
| | | back wing, toilet, B3 | 4 | 5.00 | 0.20 | 0.50 | 2.00 | | | |
| | | B2, rooms | 2 | 3.10 | 0.20 | 0.45 | 0.56 | | | |
| | | B1 | 6 | 3.10 | 0.20 | 0.40 | 1.49 | | | |
| | | front wing, bed room, B1 | 4 | 3.20 | 0.20 | 0.40 | 1.02 | | | |
| | | kitchen + store, B1 | 4 | 3.60 | 0.20 | 0.40 | 1.15 | | | |
| | | B2, stair | 2 | 3.20 | 0.20 | 0.45 | 0.58 | | | |
| | | B1, sick | 2 | 3.20 | 0.20 | 0.40 | 0.51 | | | |
| | | B1, entrance | 1 | 3.55 | 0.20 | 0.40 | 0.28 | | | |
| | | | 1 | 3.10 | 0.20 | 0.40 | 0.25 | | | |
| | | B1, mess | 1 | 3.55 | 0.20 | 0.40 | 0.28 | | | |
| | | | 1 | 3.35 | 0.20 | 0.40 | 0.27 | | | |
| | | B1, kitchen + store | 2 | 3.55 | 0.20 | 0.40 | 0.57 | | | |
| | | B1 | 2 | 3.10 | 0.20 | 0.40 | 0.50 | | | |
| | | bracket | 12 | 0.60 | 0.20 | 0.40 | 0.58 | | | |
| | | B2, porch | 2 | 3.90 | 0.20 | 0.45 | 0.70 | | | |
| | | beam above 100 mm wall | 4 | 3.70 | 0.10 | 0.20 | 0.30 | | | |
| | | beam above 100 mm wall | 12 | 1.50 | 0.10 | 0.20 | 0.36 | | | |
| | | Lintel, horizontal, left + right wing, rooms | 16 | 3.10 | 0.20 | 0.20 | 1.98 | | | |
| | | bracket | 14 | 0.60 | 0.20 | 0.20 | 0.34 | | | |
| | | bracket | 2 | 1.60 | 0.20 | 0.20 | 0.13 | | | |
| | | back wing, rooms | 6 | 5.00 | 0.20 | 0.20 | 1.20 | | | |
| | | toilet | 4 | 3.70 | 0.20 | 0.20 | 0.59 | | | |
| | | | 4 | 3.10 | 0.20 | 0.20 | 0.50 | | | |
| | | back + front corridor | 4 | 2.85 | 0.20 | 0.30 | 0.68 | | | |
| | | | 14 | 3.00 | 0.20 | 0.30 | 2.52 | | | |
| | | front wing, bed rooms | 8 | 3.30 | 0.20 | 0.20 | 1.06 | | | |
| | | toilet + store | 3 | 1.20 | 0.20 | 0.20 | 0.14 | | | |
| | | sick | 1 | 3.00 | 0.20 | 0.20 | 0.12 | | | |
| | | entrance | 1 | 5.00 | 0.20 | 0.20 | 0.20 | | | |
| | | dinning | 2 | 5.85 | 0.20 | 0.20 | 0.47 | | | |
| | | store + wash + kitchen | 3 | 3.60 | 0.20 | 0.20 | 0.43 | | | |
| | | bracket | 6 | 1.00 | 0.20 | 0.20 | 0.24 | | | |
| | | vertical, lintel, left + right wing, rooms | 12 | 5.00 | 0.20 | 0.20 | 2.40 | | | |
| | | corridor | 4 | 2.80 | 0.20 | 0.30 | 0.67 | | | |
| | | | 4 | 2.35 | 0.20 | 0.30 | 0.56 | | | |
| | | bracket | 6 | 1.00 | 0.20 | 0.20 | 0.24 | | | |
| | | bracket | 2 | 1.60 | 0.20 | 0.20 | 0.13 | | | |
| | | back wing, toilet | 2 | 5.00 | 0.20 | 0.20 | 0.40 | | | |

| SN | REF | DESCRIPTION | NO | L | W | H/D | QTY | UNIT | RATE | AMOUNT |
|----|-----|---|----|-------|------|------|--------|------|------|--------|
| | | rooms | 8 | 3.10 | 0.20 | 0.20 | 0.99 | | | |
| | | front wing, bed room, hall | 5 | 3.20 | 0.20 | 0.20 | 0.64 | | | |
| | | kitchen.+ store + ots | 3 | 2.20 | 0.20 | 0.20 | 0.26 | | | |
| | | entrance | 2 | 3.55 | 0.20 | 0.20 | 0.28 | | | |
| | | | 2 | 3.10 | 0.20 | 0.20 | 0.25 | | | |
| | | kitchen + store | 2 | 3.55 | 0.20 | 0.20 | 0.28 | | | |
| | | | 2 | 3.10 | 0.20 | 0.20 | 0.25 | | | |
| | | store-wash partition | 1 | 2.40 | 0.20 | 0.20 | 0.10 | | | |
| | | bracket | 12 | 0.60 | 0.20 | 0.20 | 0.29 | | | |
| | | Chajja, left + right wing, room | 4 | 4.00 | 0.60 | 0.10 | 0.96 | | | |
| | | | 2 | 5.00 | 0.60 | 0.10 | 0.60 | | | |
| | | back wing room | 2 | 4.00 | 0.60 | 0.10 | 0.48 | | | |
| | | | 1 | 5.00 | 0.60 | 0.10 | 0.30 | | | |
| | | toilet | 2 | 7.80 | 0.60 | 0.10 | 0.94 | | | |
| | | | 2 | 5.20 | 0.60 | 0.10 | 0.62 | | | |
| | | front wing, toilet | 1 | 1.20 | 0.60 | 0.10 | 0.07 | | | |
| | | bed room, toilet, verandah, sick | 1 | 15.00 | 0.60 | 0.10 | 0.90 | | | |
| | | dinning + kitchen | 1 | 10.20 | 0.60 | 0.10 | 0.61 | | | |
| | | kitchen, WK | 1 | 2.00 | 0.60 | 0.10 | 0.12 | | | |
| | | wash | 1 | 2.60 | 0.60 | 0.10 | 0.16 | | | |
| | | corridor | 2 | 26.20 | 0.60 | 0.10 | 3.14 | | | |
| | | | 2 | 11.40 | 0.60 | 0.10 | 1.37 | | | |
| | | Loft, room | 18 | 2.00 | 0.60 | 0.10 | 2.16 | | | |
| | | kitchen platform | 1 | 3.60 | 0.60 | 0.10 | 0.22 | | | |
| | | | 1 | 3.20 | 0.60 | 0.10 | 0.19 | | | |
| | | kitchen platform, warden | 1 | 3.30 | 0.60 | 0.10 | 0.20 | | | |
| | | | 1 | 1.80 | 0.60 | 0.10 | 0.11 | | | |
| | | room almirah shelf (9 rooms x 2 shelf) | 18 | 2.00 | 0.60 | 0.10 | 2.16 | | | |
| | | store shelf | 4 | 2.40 | 0.45 | 0.10 | 0.43 | | | |
| | | | 4 | 1.25 | 0.45 | 0.10 | 0.23 | | | |
| | | | 4 | 2.40 | 0.45 | 0.10 | 0.43 | | | |
| | | SLAB | | | | | | | | |
| | | rooms | 18 | 7.00 | 3.40 | 0.12 | 51.41 | | | |
| | | common toilet | 2 | 3.70 | 5.00 | 0.15 | 5.55 | | | |
| | | | 2 | 3.10 | 5.00 | 0.15 | 4.65 | | | |
| | | bed rooms | 2 | 3.30 | 3.60 | 0.12 | 2.85 | | | |
| | | kitchen | 1 | 3.30 | 3.80 | 0.12 | 1.50 | | | |
| | | store + toilet | 1 | 1.20 | 7.60 | 0.12 | 1.09 | | | |
| | | hall | 1 | 3.80 | 3.00 | 0.12 | 1.37 | | | |
| | | | 1 | 3.60 | 3.00 | 0.12 | 1.30 | | | |
| | | sick room | 1 | 3.40 | 3.00 | 0.12 | 1.22 | | | |
| | | entrance | 1 | 5.00 | 3.80 | 0.12 | 2.28 | | | |
| | | | 1 | 5.00 | 3.60 | 0.12 | 2.16 | | | |
| | | dinning | 2 | 2.90 | 3.80 | 0.12 | 2.64 | | | |
| | | | 2 | 2.90 | 3.60 | 0.12 | 2.51 | | | |
| | | kitchen | 1 | 3.60 | 3.60 | 0.12 | 1.56 | | | |
| | | store + wash | 1 | 3.80 | 3.60 | 0.12 | 1.64 | | | |
| | | steps (triandle 0.30 x 0.15 x 1/2 = 0.02) | 24 | 1.40 | | 0.02 | 0.67 | | | |
| | | waist slab | 1 | 4.1 | 1.4 | 0.15 | 0.86 | | | |
| | | | 1 | 3 | 1.4 | 0.15 | 0.63 | | | |
| | | | | | | B = | 192.42 | | | |
| | | RCC WORK ON FF | | | | | | | | |
| | | Column - C1 | 3 | 0.20 | 0.40 | 2.60 | 0.62 | | | |
| | | C2 | 3 | 0.30 | 0.45 | 2.60 | 1.05 | | | |
| | | slab beam B2 | 2 | 3.00 | 0.20 | 0.45 | 0.54 | | | |
| | | B1 | 2 | 3.00 | 0.20 | 0.40 | 0.48 | | | |
| | | B2 | 2 | 3.60 | 0.20 | 0.45 | 0.65 | | | |
| | | B1 | 2 | 3.20 | 0.20 | 0.40 | 0.51 | | | |
| | | slab | 1 | 3.70 | 3.00 | 0.12 | 1.33 | | | |
| | | | 1 | 3.40 | 3.00 | 0.12 | 1.22 | | | |
| | | chhajja | 1 | 1.40 | 0.60 | 0.10 | 0.08 | | | |

| SN | REF | DESCRIPTION | NO | L | W | H/D | QTY | UNIT | RATE | AMOUNT |
|----|------|--|----|--------|------|--------|----------|--------|---------|------------|
| | | | | | | | C = | 0.50 | | |
| | | | | | | | A+B+C = | 381.50 | cum | 4163.00 |
| | | | | | | | | | | 1588177.83 |
| 7 | 3.4 | Extra for laying PCC/RCC of any grade in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and plinth: | | | | | | | | |
| | | GF, Qty of total "B" in 3.2.1 | 1 | 192.42 | | | 192.42 | cum | 97.50 | 18761.01 |
| | | FF, Qty of total "C" in 3.2.1, rate 2 times | 2 | 6.50 | | | 12.99 | cum | 97.50 | 1266.92 |
| 8 | 3.12 | Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and plinth all complete: | | | | | | | | |
| | 1 | Thermo-Mechanically treated bars FE 415 | | | | | | | | |
| | | wt. @ 115 kg/cum, | 1 | 381.50 | | 115.00 | 43872.31 | kg | 54.50 | 2391040.91 |
| 9 | 3.13 | Providing and laying damp proof course (upto 50mm thick) with plain cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded crushed stone aggregate 20mm nominal size) including form work. | | | | | | | | |
| | | HORIZONTAL - left + right wing | | | | | | | | |
| | | rooms | 16 | 3.10 | 0.20 | 0.05 | 0.50 | | | |
| | | bracket | 14 | 0.60 | 0.20 | 0.05 | 0.08 | | | |
| | | bracket | 2 | 1.60 | 0.20 | 0.05 | 0.03 | | | |
| | | back wing, rooms | 6 | 5.00 | 0.20 | 0.05 | 0.30 | | | |
| | | toilet | 4 | 3.70 | 0.20 | 0.05 | 0.15 | | | |
| | | | 4 | 3.10 | 0.20 | 0.05 | 0.12 | | | |
| | | back + front corridor | 4 | 2.85 | 0.20 | 0.05 | 0.11 | | | |
| | | | 14 | 3.00 | 0.20 | 0.05 | 0.42 | | | |
| | | front wing, bed rooms | 8 | 3.30 | 0.20 | 0.05 | 0.26 | | | |
| | | toilet + store | 3 | 1.20 | 0.20 | 0.05 | 0.04 | | | |
| | | hall | 3 | 3.00 | 0.20 | 0.05 | 0.09 | | | |
| | | stair | 2 | 3.00 | 0.20 | 0.05 | 0.06 | | | |
| | | entrance | 2 | 5.00 | 0.20 | 0.05 | 0.10 | | | |
| | | dinning | 2 | 5.85 | 0.20 | 0.05 | 0.12 | | | |
| | | store + wash + kitchen | 3 | 3.60 | 0.20 | 0.05 | 0.11 | | | |
| | | bracket | 6 | 1.00 | 0.20 | 0.05 | 0.06 | | | |
| | | VERTICAL - left + right wing | | | | | | | | |
| | | rooms | 12 | 5.00 | 0.20 | 0.05 | 0.60 | | | |
| | | corridor | 4 | 2.80 | 0.20 | 0.05 | 0.11 | | | |
| | | | 4 | 2.35 | 0.20 | 0.05 | 0.09 | | | |
| | | bracket | 6 | 1.00 | 0.20 | 0.05 | 0.06 | | | |
| | | bracket | 2 | 1.60 | 0.20 | 0.05 | 0.03 | | | |
| | | back wing, toilet | 2 | 5.00 | 0.20 | 0.05 | 0.10 | | | |
| | | rooms | 8 | 3.10 | 0.20 | 0.05 | 0.25 | | | |
| | | front wing, bed room + hall | 5 | 3.20 | 0.20 | 0.05 | 0.16 | | | |
| | | ots + toilet | 1 | 3.60 | 0.20 | 0.05 | 0.04 | | | |
| | | kitchen + store | 3 | 2.40 | 0.20 | 0.05 | 0.07 | | | |
| | | hall | 1 | 3.60 | 0.20 | 0.05 | 0.04 | | | |
| | | entrance | 2 | 3.55 | 0.20 | 0.05 | 0.07 | | | |
| | | | 2 | 3.10 | 0.20 | 0.05 | 0.06 | | | |
| | | kitchen + store | 2 | 3.55 | 0.20 | 0.05 | 0.07 | | | |
| | | | 2 | 3.10 | 0.20 | 0.05 | 0.06 | | | |
| | | bracket | 12 | 0.60 | 0.20 | 0.05 | 0.07 | | | |
| | | common toilet | 4 | 3.90 | 0.20 | 0.05 | 0.16 | | | |
| | | partition walls | 12 | 1.50 | 0.20 | 0.05 | 0.18 | | | |
| | | | | | | | 4.78 | cum | 4237.00 | 20240.15 |

| SN | REF | DESCRIPTION | NO | L | W | H/D | QTY | UNIT | RATE | AMOUNT |
|----|------|--|----|------|------|------|--------|------|-------|---------|
| 10 | 3.15 | Applying a coat of hot bitumen VG-10 using @ 1.7kg/ sqm on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil. | | | | | | | | |
| | | rooms | 16 | 3.10 | 0.20 | | 9.92 | | | |
| | | bracket | 14 | 0.60 | 0.20 | | 1.68 | | | |
| | | bracket | 2 | 1.60 | 0.20 | | 0.64 | | | |
| | | back wing, rooms | 6 | 5.00 | 0.20 | | 6.00 | | | |
| | | toilet | 4 | 3.70 | 0.20 | | 2.96 | | | |
| | | | 4 | 3.10 | 0.20 | | 2.48 | | | |
| | | back + front corridor | 4 | 2.85 | 0.20 | | 2.28 | | | |
| | | | 14 | 3.00 | 0.20 | | 8.40 | | | |
| | | front wing, bed rooms | 8 | 3.30 | 0.20 | | 5.28 | | | |
| | | toilet + store | 3 | 1.20 | 0.20 | | 0.72 | | | |
| | | hall | 3 | 3.00 | 0.20 | | 1.80 | | | |
| | | stair | 2 | 3.00 | 0.20 | | 1.20 | | | |
| | | entrance | 2 | 5.00 | 0.20 | | 2.00 | | | |
| | | dinning | 2 | 5.85 | 0.20 | | 2.34 | | | |
| | | store + wash + kitchen | 3 | 3.60 | 0.20 | | 2.16 | | | |
| | | bracket | 6 | 1.00 | 0.20 | | 1.20 | | | |
| | | rooms | 12 | 5.00 | 0.20 | | 12.00 | | | |
| | | corridor | 4 | 2.80 | 0.20 | | 2.24 | | | |
| | | | 4 | 2.35 | 0.20 | | 1.88 | | | |
| | | bracket | 6 | 1.00 | 0.20 | | 1.20 | | | |
| | | bracket | 2 | 1.60 | 0.20 | | 0.64 | | | |
| | | back wing, toilet | 2 | 5.00 | 0.20 | | 2.00 | | | |
| | | rooms | 8 | 3.10 | 0.20 | | 4.96 | | | |
| | | front wing, bed room + hall | 5 | 3.20 | 0.20 | | 3.20 | | | |
| | | ots + toilet | 1 | 3.60 | 0.20 | | 0.72 | | | |
| | | kitchen + store | 3 | 2.40 | 0.20 | | 1.44 | | | |
| | | hall | 1 | 3.60 | 0.20 | | 0.72 | | | |
| | | entrance | 2 | 3.55 | 0.20 | | 1.42 | | | |
| | | | 2 | 3.10 | 0.20 | | 1.24 | | | |
| | | kitchen + store | 2 | 3.55 | 0.20 | | 1.42 | | | |
| | | | 2 | 3.10 | 0.20 | | 1.24 | | | |
| | | bracket | 12 | 0.60 | 0.20 | | 1.44 | | | |
| | | common toilet | 4 | 3.90 | 0.20 | | 0.00 | | | |
| | | partition walls | 12 | 1.50 | 0.20 | | 0.00 | | | |
| | | | | | | | 88.82 | sqm | 93.50 | 8304.67 |
| 11 | 2.1 | Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: | | | | | | | | |
| | 1 | Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level. | | | | | | | | |
| | | Column footing - F1 C1 | 58 | 7.60 | | 0.20 | 88.16 | | | |
| | | F2 C2 | 11 | 8.80 | | 0.20 | 19.36 | | | |
| | | F3 C3 | 24 | 6.00 | | 0.20 | 28.80 | | | |
| | | F4 C4 | 2 | 6.80 | | 0.20 | 2.72 | | | |
| | | column upto plinth -C1 | 58 | 1.20 | | 2.30 | 160.08 | | | |
| | | C2 | 11 | 1.50 | | 2.15 | 35.48 | | | |
| | | C3 | 24 | 1.00 | | 2.45 | 58.80 | | | |
| | | C4 | 2 | 1.20 | | 1.85 | 4.44 | | | |
| | | GB1, rooms | 16 | 3.10 | 1.00 | | 49.60 | | | |
| | | bracket | 14 | 0.60 | 1.00 | | 8.40 | | | |
| | | bracket | 2 | 1.60 | 1.00 | | 3.20 | | | |
| | | back wing GB2, rooms | 6 | 5.00 | 1.00 | | 30.00 | | | |
| | | GB2, toilet | 2 | 3.30 | 1.00 | | 6.60 | | | |
| | | | 4 | 3.70 | 1.00 | | 14.80 | | | |

| SN | REF | DESCRIPTION | NO | L | W | H/D | QTY | UNIT | RATE | AMOUNT |
|----|-----|---|----|------|------|------|--------|------|--------|-----------|
| | | | 2 | 3.50 | 1.00 | | 7.00 | | | |
| | | GB1, toilet | 4 | 3.10 | 1.00 | | 12.40 | | | |
| | | back + front corridor, GB5 | 4 | 2.85 | 0.80 | | 9.12 | | | |
| | | | 14 | 3.00 | 0.80 | | 33.60 | | | |
| | | front wing, bed rooms, GB1 | 8 | 3.30 | 1.00 | | 26.40 | | | |
| | | GB5, toilet + store | 3 | 1.20 | 0.80 | | 2.88 | | | |
| | | GB1, hall + stair + sick | 6 | 3.00 | 1.00 | | 18.00 | | | |
| | | GB2, entrance | 2 | 5.00 | 1.00 | | 10.00 | | | |
| | | GB2, porch | 1 | 4.70 | 1.00 | | 4.70 | | | |
| | | GB1, dinning | 2 | 2.80 | 1.00 | | 5.60 | | | |
| | | GB2, store + wash | 2 | 3.60 | 1.00 | | 7.20 | | | |
| | | GB1, kitchen | 1 | 3.60 | 1.00 | | 3.60 | | | |
| | | bracket | 6 | 1.00 | 1.00 | | 6.00 | | | |
| | | GB2, rooms | 12 | 5.00 | 1.00 | | 60.00 | | | |
| | | GB5, corridor | 4 | 2.80 | 0.80 | | 8.96 | | | |
| | | | 4 | 2.35 | 0.80 | | 7.52 | | | |
| | | bracket | 6 | 1.00 | 1.00 | | 6.00 | | | |
| | | bracket | 2 | 1.60 | 1.00 | | 3.20 | | | |
| | | back wing, toilet, GB3 | 4 | 5.00 | 1.10 | | 22.00 | | | |
| | | GB5 | 8 | 1.50 | 0.80 | | 9.60 | | | |
| | | GB2, rooms | 2 | 3.10 | 1.00 | | 6.20 | | | |
| | | GB1 | 6 | 3.10 | 1.00 | | 18.60 | | | |
| | | front wing, bed room, GB1 | 3 | 3.20 | 1.00 | | 9.60 | | | |
| | | GB2, ota + kitchen | 4 | 3.60 | 1.00 | | 14.40 | | | |
| | | GB2, hall + verandah | 2 | 3.20 | 1.00 | | 6.40 | | | |
| | | GB1 | 1 | 3.20 | 1.00 | | 3.20 | | | |
| | | GB1, entrance | 2 | 3.55 | 1.00 | | 7.10 | | | |
| | | GB2 | 2 | 3.10 | 1.00 | | 6.20 | | | |
| | | GB2, kitchen + store | 2 | 3.55 | 1.00 | | 7.10 | | | |
| | | GB1 | 2 | 3.10 | 1.00 | | 6.20 | | | |
| | | bracket | 12 | 0.60 | 1.00 | | 7.20 | | | |
| | | GB2, porch | 2 | 3.90 | 1.00 | | 7.80 | | | |
| | | | | | | | 874.22 | sqm | 139.00 | 121515.89 |
| 5 | | Columns, Pillars, Piers and likes- rectangular or square in shape | | | | | | | | |
| | | Column above plinth - C1 | 58 | 1.20 | | 3.60 | 250.56 | | | |
| | | C2 | 11 | 1.50 | | 3.60 | 59.40 | | | |
| | | C3 | 24 | 1.00 | | 3.60 | 86.40 | | | |
| | | C4 | 2 | 1.20 | | 4.20 | 10.08 | | | |
| | | staircase tower - C1 | 3 | 1.20 | | 2.60 | 9.36 | | | |
| | | C2 | 3 | 1.50 | | 2.60 | 11.70 | | | |
| | | | | | | | 427.50 | sqm | 297.00 | 126967.50 |
| 7 | | Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ) | | | | | | | | |
| | | rooms | 18 | 7.00 | 3.40 | | 428.40 | | | |
| | | common toilet | 2 | 3.70 | 5.00 | | 37.00 | | | |
| | | | 2 | 3.10 | 5.00 | | 31.00 | | | |
| | | bed rooms | 2 | 3.30 | 3.60 | | 23.76 | | | |
| | | kitchen | 1 | 3.30 | 3.80 | | 12.54 | | | |
| | | store + toilet | 1 | 1.20 | 7.60 | | 9.12 | | | |
| | | hall | 1 | 3.80 | 3.00 | | 11.40 | | | |
| | | | 1 | 3.60 | 3.00 | | 10.80 | | | |
| | | sick room | 1 | 3.40 | 3.00 | | 10.20 | | | |
| | | entrance | 1 | 5.00 | 3.80 | | 19.00 | | | |
| | | | 1 | 5.00 | 3.60 | | 18.00 | | | |
| | | dinning | 2 | 2.90 | 3.80 | | 22.04 | | | |
| | | | 2 | 2.90 | 3.60 | | 20.88 | | | |
| | | kitchen | 1 | 3.60 | 3.60 | | 12.96 | | | |
| | | store + wash | 1 | 3.80 | 3.60 | | 13.68 | | | |
| | | staircase tower slab | 1 | 3.70 | 3.00 | | 0.00 | | | |
| | | | 1 | 3.40 | 3.00 | | 0.00 | | | |

| SN | REF | DESCRIPTION | NO | L | W | H/D | QTY | UNIT | RATE | AMOUNT |
|----|-----|--|----|------|------|-----|--------|------|--------|-----------|
| | | Loft, room | 18 | 2.00 | 0.60 | | 21.60 | | | |
| | | kitchen platform | 1 | 3.60 | 0.60 | | 2.16 | | | |
| | | | 1 | 3.20 | 0.60 | | 1.92 | | | |
| | | kitchen platform, warden | 1 | 3.30 | 0.60 | | 1.98 | | | |
| | | room almirah shelf (9rooms x 2 shelf) | 18 | 2.00 | 0.60 | | 21.60 | | | |
| | | | 1 | 1.80 | 0.60 | | 1.08 | | | |
| | | store shelf | 4 | 2.40 | 0.60 | | 5.76 | | | |
| | | | 4 | 1.25 | 0.60 | | 3.00 | | | |
| | | | 4 | 2.40 | 0.60 | | 5.76 | | | |
| | | | | | | | 745.64 | sqm | 235.00 | 175225.40 |
| | 8 | Beams, lintels, cantilevers & walls | | | | | | | | |
| | | B1, rooms | 16 | 3.10 | 1.00 | | 49.60 | | | |
| | | bracket | 14 | 0.60 | 1.00 | | 8.40 | | | |
| | | bracket | 2 | 1.60 | 1.00 | | 3.20 | | | |
| | | back wing B2, rooms | 9 | 5.00 | 1.10 | | 49.50 | | | |
| | | B2, toilet | 4 | 3.70 | 1.10 | | 16.28 | | | |
| | | B1 | 4 | 3.10 | 1.00 | | 12.40 | | | |
| | | back + front corridor, B4 | 4 | 2.85 | 0.80 | | 9.12 | | | |
| | | | 14 | 3.00 | 0.80 | | 33.60 | | | |
| | | front wing, bed rooms, B1 | 6 | 3.30 | 1.00 | | 19.80 | | | |
| | | B4, toilet + store | 2 | 1.20 | 0.80 | | 1.92 | | | |
| | | B1, hall + sick | 4 | 3.00 | 1.00 | | 12.00 | | | |
| | | B 2, stair | 2 | 3.00 | 1.10 | | 6.60 | | | |
| | | B 2, entrance + porch | 4 | 5.00 | 1.10 | | 22.00 | | | |
| | | B3, dinning | 1 | 5.85 | 1.20 | | 7.02 | | | |
| | | B1 | 2 | 2.80 | 1.00 | | 5.60 | | | |
| | | | 2 | 2.85 | 1.00 | | 5.70 | | | |
| | | B1, store + wash + kitchen | 3 | 3.60 | 1.00 | | 10.80 | | | |
| | | bracket | 6 | 1.00 | 1.00 | | 6.00 | | | |
| | | VERTICAL - left + right wing | | | | | | | | |
| | | B2, rooms | 18 | 5.00 | 1.10 | | 99.00 | | | |
| | | B4, corridor | 4 | 2.80 | 0.80 | | 8.96 | | | |
| | | | 4 | 2.35 | 0.80 | | 7.52 | | | |
| | | bracket | 6 | 1.00 | 1.00 | | 6.00 | | | |
| | | bracket | 2 | 1.60 | 1.00 | | 3.20 | | | |
| | | back wing, toilet, B3 | 4 | 5.00 | 1.20 | | 24.00 | | | |
| | | B2, rooms | 2 | 3.10 | 1.10 | | 6.82 | | | |
| | | B1 | 6 | 3.10 | 1.00 | | 18.60 | | | |
| | | front wing, bed room, B1 | 4 | 3.20 | 1.00 | | 12.80 | | | |
| | | kitchen + store, B1 | 4 | 3.60 | 1.00 | | 14.40 | | | |
| | | B2, stair | 2 | 3.20 | 1.10 | | 7.04 | | | |
| | | B1, sick | 2 | 3.20 | 1.00 | | 6.40 | | | |
| | | B1, entrance | 1 | 3.55 | 1.00 | | 3.55 | | | |
| | | | 1 | 3.10 | 1.00 | | 3.10 | | | |
| | | B1, mess | 1 | 3.55 | 1.00 | | 3.55 | | | |
| | | | 1 | 3.35 | 1.00 | | 3.35 | | | |
| | | B1, kitchen + store | 2 | 3.55 | 1.00 | | 7.10 | | | |
| | | B1 | 2 | 3.10 | 1.00 | | 6.20 | | | |
| | | bracket | 12 | 0.60 | 1.00 | | 7.20 | | | |
| | | B2, porch | 2 | 3.90 | 1.10 | | 8.58 | | | |
| | | beam above 100 mm wall | 4 | 3.70 | 0.50 | | 7.40 | | | |
| | | beam above 100 mm wall | 12 | 1.50 | 0.50 | | 9.00 | | | |
| | | horizontal, lintel, left + right wing, rooms | 16 | 3.10 | 0.60 | | 29.76 | | | |
| | | bracket | 14 | 0.60 | 0.60 | | 5.04 | | | |
| | | bracket | 2 | 1.60 | 0.60 | | 1.92 | | | |
| | | back wing, rooms | 6 | 5.00 | 0.60 | | 18.00 | | | |
| | | toilet | 4 | 3.70 | 0.60 | | 8.88 | | | |
| | | | 4 | 3.10 | 0.60 | | 7.44 | | | |
| | | back + front corridor | 4 | 2.85 | 0.80 | | 9.12 | | | |
| | | | 14 | 3.00 | 0.80 | | 33.60 | | | |
| | | front wing, bed rooms | 8 | 3.30 | 0.60 | | 15.84 | | | |

| SN | REF | DESCRIPTION | NO | L | W | H/D | QTY | UNIT | RATE | AMOUNT |
|----|-----|--|----|--------|------|------|--------|------|--------|-----------|
| | | toilet + store | 3 | 1.20 | 0.60 | | 2.16 | | | |
| | | sick | 1 | 3.00 | 0.60 | | 1.80 | | | |
| | | entrance | 1 | 5.00 | 0.60 | | 3.00 | | | |
| | | dinning | 2 | 5.85 | 0.60 | | 7.02 | | | |
| | | store + wash + kitchen | 3 | 3.60 | 0.60 | | 6.48 | | | |
| | | bracket | 6 | 1.00 | 0.60 | | 3.60 | | | |
| | | vertical, lintel, left + right wing, rooms | 12 | 5.00 | 0.60 | | 36.00 | | | |
| | | corridor | 4 | 2.80 | 0.80 | | 8.96 | | | |
| | | | 4 | 2.35 | 0.80 | | 7.52 | | | |
| | | bracket | 6 | 1.00 | 0.60 | | 3.60 | | | |
| | | bracket | 2 | 1.60 | 0.60 | | 1.92 | | | |
| | | back wing, toilet | 2 | 5.00 | 0.60 | | 6.00 | | | |
| | | rooms | 8 | 3.10 | 0.60 | | 14.88 | | | |
| | | front wing, bed room, hall | 5 | 3.20 | 0.60 | | 9.60 | | | |
| | | kitchen + store + ots | 3 | 2.20 | 0.60 | | 3.96 | | | |
| | | entrance | 2 | 3.55 | 0.60 | | 4.26 | | | |
| | | | 2 | 3.10 | 0.60 | | 3.72 | | | |
| | | kitchen + store | 2 | 3.55 | 0.60 | | 4.26 | | | |
| | | | 2 | 3.10 | 0.60 | | 3.72 | | | |
| | | store-wash partition | 1 | 2.40 | 0.60 | | 1.44 | | | |
| | | bracket | 12 | 0.60 | 0.60 | | 4.32 | | | |
| | | | | | | | 821.13 | sqm | 202.00 | 165868.26 |
| | 13 | Weather shade, chhajja, Cornices and mouldings | | | | | | | | |
| | | Chajja, left + right wing, room | 4 | 4.00 | 0.60 | | 9.60 | | | |
| | | | 2 | 5.00 | 0.60 | | 6.00 | | | |
| | | back wing room | 2 | 4.00 | 0.60 | | 4.80 | | | |
| | | | 1 | 5.00 | 0.60 | | 3.00 | | | |
| | | toilet | 2 | 7.80 | 0.60 | | 9.36 | | | |
| | | | 2 | 5.20 | 0.60 | | 6.24 | | | |
| | | front wing, toilet | 1 | 1.20 | 0.60 | | 0.72 | | | |
| | | bed room, toilet, verandah, sick | 1 | 15.00 | 0.60 | | 9.00 | | | |
| | | dinning + kitchen | 1 | 10.20 | 0.60 | | 6.12 | | | |
| | | kitchen, WK | 1 | 2.00 | 0.60 | | 1.20 | | | |
| | | wash | 1 | 2.60 | 0.60 | | 1.56 | | | |
| | | corridor | 2 | 26.20 | 0.60 | | 31.44 | | | |
| | | | 2 | 11.40 | 0.60 | | 13.68 | | | |
| | | | | | | | 102.72 | sqm | 294.00 | 30199.68 |
| | 15 | Stair cases of all types excluding spiral and folded plate type, including risers and landings | | | | | | | | |
| | | steps, 2 sides = 24 nos x 2 = 48, (triangle 0.30 x 0.15 x 1/2 = 0.02) | 48 | | | 0.02 | 0.96 | | | |
| | | waist slab | 1 | 4.1 | 1.6 | | 6.56 | | | |
| | | | 1 | 3 | 1.6 | | 4.80 | | | |
| | | | | | | | 12.32 | sqm | 230.00 | 2833.60 |
| 12 | 7.5 | Brick work with modular fly-ash lime bricks (FaLG Bricks) conforming to IS:12894-2002 of class designation 4.0 in oundation and plinth in: | | | | | | | | |
| | 4 | Cement Mortar 1:6 (1 cement : 6 coarse sand) | | | | | | | | |
| | | Brick in plinth | | | | | | | | |
| | | brick work under ground beam | 1 | 498.40 | 0.20 | 0.20 | 19.94 | | | |
| | | brick work upto plinth | | | | | | | | |
| | | HORIZONTAL - left + right wing | | | | | | | | |
| | | GB1, rooms | 16 | 3.10 | 0.20 | 0.60 | 5.95 | | | |
| | | bracket | 14 | 0.60 | 0.20 | 0.60 | 1.01 | | | |
| | | bracket | 2 | 1.60 | 0.20 | 0.60 | 0.38 | | | |
| | | back wing GB2, rooms | 6 | 5.00 | 0.20 | 0.60 | 3.60 | | | |
| | | GB2, toilet | 2 | 3.30 | 0.20 | 0.60 | 0.79 | | | |
| | | | 4 | 3.70 | 0.20 | 0.60 | 1.78 | | | |

| SN | REF | DESCRIPTION | NO | L | W | H/D | QTY | UNIT | RATE | AMOUNT |
|----|-----|---|----|------|------|------|-------|------|------|--------|
| | | | 2 | 3.50 | 0.20 | 0.60 | 0.84 | | | |
| | | GB1, toilet | 4 | 3.10 | 0.20 | 0.60 | 1.49 | | | |
| | | back + front corridor, GB5 | 4 | 2.85 | 0.20 | 0.70 | 1.60 | | | |
| | | | 14 | 3.00 | 0.20 | 0.70 | 5.88 | | | |
| | | front wing, bed rooms, GB1 | 8 | 3.30 | 0.20 | 0.60 | 3.17 | | | |
| | | GB5, toilet + store | 3 | 1.20 | 0.20 | 0.70 | 0.50 | | | |
| | | GB1, hall + stair + sick | 6 | 3.00 | 0.20 | 0.60 | 2.16 | | | |
| | | GB 2, entrance | 2 | 5.00 | 0.20 | 0.60 | 1.20 | | | |
| | | GB2, porch | 1 | 4.70 | 0.20 | 0.60 | 0.56 | | | |
| | | GB4, dining | 2 | 5.85 | 0.20 | 0.50 | 1.17 | | | |
| | | GB2, store + wash | 2 | 3.60 | 0.20 | 0.60 | 0.86 | | | |
| | | GB1, kitchen | 1 | 3.60 | 0.20 | 0.60 | 0.43 | | | |
| | | bracket | 6 | 1.00 | 0.20 | 0.60 | 0.72 | | | |
| | | VERTICAL - left + right wing | | | | | | | | |
| | | GB2, rooms | 12 | 5.00 | 0.20 | 0.60 | 7.20 | | | |
| | | GB5, corridor | 4 | 2.80 | 0.20 | 0.60 | 1.34 | | | |
| | | | 4 | 2.35 | 0.20 | 0.60 | 1.13 | | | |
| | | bracket | 6 | 1.00 | 0.20 | 0.60 | 0.72 | | | |
| | | bracket | 2 | 1.60 | 0.20 | 0.60 | 0.38 | | | |
| | | back wing, toilet, GB3 | 4 | 5.00 | 0.20 | 0.55 | 2.20 | | | |
| | | GB5 | 8 | 1.50 | 0.20 | 0.70 | 1.68 | | | |
| | | GB2, rooms | 2 | 3.10 | 0.20 | 0.60 | 0.74 | | | |
| | | GB1 | 6 | 3.10 | 0.20 | 0.60 | 2.23 | | | |
| | | front wing, bed room, GB1 | 3 | 3.20 | 0.20 | 0.60 | 1.15 | | | |
| | | GB2, ots + kitchen | 4 | 3.60 | 0.20 | 0.60 | 1.73 | | | |
| | | GB2, hall + verandah | 2 | 3.20 | 0.20 | 0.60 | 0.77 | | | |
| | | GB1 | 1 | 3.20 | 0.20 | 0.60 | 0.38 | | | |
| | | GB1, entrance | 2 | 3.55 | 0.20 | 0.60 | 0.85 | | | |
| | | GB2 | 2 | 3.10 | 0.20 | 0.60 | 0.74 | | | |
| | | GB2, kitchen + store | 2 | 3.55 | 0.20 | 0.60 | 0.85 | | | |
| | | GB1 | 2 | 3.10 | 0.20 | 0.60 | 0.74 | | | |
| | | bracket | 12 | 0.60 | 0.20 | 0.60 | 0.86 | | | |
| | | GB2, porch | 2 | 3.90 | 0.20 | 0.60 | 0.94 | | | |
| | | | | | | A = | 80.69 | | | |
| | | Brick above plinth | | | | | | | | |
| | | HORIZONTAL - left + right wing | | | | | | | | |
| | | B4, rooms | 16 | 3.10 | 0.20 | 3.20 | 31.74 | | | |
| | | bracket | 14 | 0.60 | 0.20 | 3.20 | 5.38 | | | |
| | | bracket | 2 | 1.60 | 0.20 | 3.20 | 2.05 | | | |
| | | back wing, B2, rooms | 6 | 5.00 | 0.20 | 3.15 | 18.90 | | | |
| | | B2, toilet | 2 | 3.70 | 0.20 | 3.15 | 4.66 | | | |
| | | B1 | 4 | 3.10 | 0.20 | 3.20 | 7.94 | | | |
| | | brick above lintel, back + front corridor, B4 | 4 | 2.85 | 0.20 | 1.20 | 2.74 | | | |
| | | brick above lintel, back + front corridor, B4 | 14 | 3.00 | 0.20 | 1.20 | 10.08 | | | |
| | | front wing, bed rooms, B1 | 8 | 3.30 | 0.20 | 3.20 | 16.90 | | | |
| | | B4, toilet + store | 3 | 1.20 | 0.20 | 3.30 | 2.38 | | | |
| | | B1, hall + sick | 4 | 3.00 | 0.20 | 3.20 | 7.68 | | | |
| | | B 2, entrance | 1 | 5.00 | 0.20 | 3.15 | 3.15 | | | |
| | | B3, dining | 2 | 5.85 | 0.20 | 3.10 | 7.25 | | | |
| | | B1, store + wash + kitchen | 3 | 3.60 | 0.20 | 3.20 | 6.91 | | | |
| | | bracket | 6 | 1.00 | 0.20 | 3.20 | 3.84 | | | |
| | | VERTICAL - left + right wing | | | | | | | | |
| | | B2, rooms | 12 | 5.00 | 0.20 | 3.15 | 37.80 | | | |
| | | brick above lintel, B4, corridor | 4 | 2.80 | 0.20 | 1.20 | 2.69 | | | |
| | | brick above lintel, B4, corridor | 4 | 2.35 | 0.20 | 1.20 | 2.26 | | | |
| | | bracket | 6 | 1.00 | 0.20 | 3.20 | 3.84 | | | |
| | | bracket | 2 | 1.60 | 0.20 | 3.20 | 2.05 | | | |
| | | back wing, toilet, B3 | 2 | 5.00 | 0.20 | 3.10 | 6.20 | | | |
| | | rooms | 8 | 3.10 | 0.20 | 3.15 | 15.62 | | | |
| | | front wing, bed room + toilet + hall | 5 | 3.20 | 0.20 | 3.20 | 10.24 | | | |
| | | ots + hall | 2 | 3.60 | 0.20 | 3.20 | 4.61 | | | |

| SN | REF | DESCRIPTION | NO | L | W | H/D | QTY | UNIT | RATE | AMOUNT |
|----|------|--|----|--------|------|-----------|--------|------|---------|------------|
| | | kitchen + store | 3 | 3.60 | 0.20 | 3.20 | 6.91 | | | |
| | | B1, entrance | 2 | 3.55 | 0.20 | 3.20 | 4.54 | | | |
| | | | 2 | 3.10 | 0.20 | 3.20 | 3.97 | | | |
| | | store + wash | 2 | 3.55 | 0.20 | 3.20 | 4.54 | | | |
| | | | 1 | 2.40 | 0.20 | 3.20 | 1.54 | | | |
| | | kitchen, B1 | 2 | 3.10 | 0.20 | 3.20 | 3.97 | | | |
| | | bracket | 12 | 0.60 | 0.20 | 3.20 | 4.61 | | | |
| | | Deduction | | | | B = | 246.97 | | | |
| | | D1 | 1 | 2.00 | 0.20 | 3.00 | -1.20 | | | |
| | | D2 | 2 | 1.20 | 0.20 | 2.10 | -1.01 | | | |
| | | D3 | 12 | 1.00 | 0.20 | 2.10 | -5.04 | | | |
| | | D4 | 5 | 0.90 | 0.20 | 2.10 | -1.89 | | | |
| | | W1 | 7 | 1.50 | 0.20 | 1.30 | -2.73 | | | |
| | | W2 | 22 | 1.00 | 0.20 | 1.30 | -5.72 | | | |
| | | WK | 4 | 1.50 | 0.20 | 0.90 | -1.08 | | | |
| | | V | 20 | 0.90 | 0.20 | 0.60 | -2.16 | | | |
| | | Brick on FF | | | | C = | -20.83 | | | |
| | | parapet | 1 | 234.00 | 0.20 | 0.90 | 42.12 | | | |
| | | slab beam B2 | 2 | 3.00 | 0.20 | 2.15 | 2.58 | | | |
| | | B1 | 2 | 3.00 | 0.20 | 2.20 | 2.64 | | | |
| | | B2 | 2 | 3.60 | 0.20 | 2.15 | 3.10 | | | |
| | | B1 | 2 | 3.20 | 0.20 | 2.20 | 2.82 | | | |
| | | deduct door | 1 | 1.00 | 0.20 | 2.10 | -0.42 | | | |
| | | | | | | D = | 52.83 | | | |
| | | | | | | A+B+C+D = | 359.67 | cum | 3263.00 | 1173596.68 |
| 13 | 7.6 | Extra for brick work in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and plinth: | | | | | | | | |
| | | Brick on GF, Qty B+C as in 7.5.4 | 1 | 226.15 | | | 226.15 | cum | 121.00 | 27363.67 |
| | | Brick on FF, Qty D as in 7.5.4, Rate 2 times | 2 | 52.83 | | | 105.66 | cum | 121.00 | 12785.34 |
| 14 | 7.11 | Half brick thick brick masonry with fly-ash lime bricks (FaLG Bricks) conforming to IS:12894-2002 of class designation 4.0 in superstructure above plinth level upto plinth level: | | | | | | | | |
| | 2 | Cement Mortar 1:4 (1 cement : 4 coarse sand) | 4 | 3.90 | 2.10 | | 32.76 | | | |
| | | | 12 | 1.50 | 2.10 | | 37.80 | | | |
| | | warden | 2 | 1.20 | 3.60 | | 8.64 | | | |
| | | cupboard support in rooms, (9 x 6 = 54 nos) | 54 | 0.60 | 2.10 | | 68.04 | | | |
| | | store shelf support | 2 | 0.60 | 2.10 | | 2.52 | | | |
| | | kitchen platform support | 7 | 0.60 | 0.60 | | 2.52 | | | |
| | | Deduct door | 7 | 0.75 | 2.10 | | -11.03 | | | |
| | | | | | | | 141.26 | sqm | 382.00 | 53959.41 |
| 15 | 7.12 | Extra for half brick work in superstructure above plinth level for every story or part thereof in addition to rate for upto plinth level: | | | | | 141.26 | sqm | 11.00 | 1553.81 |
| 16 | 7.20 | Extra for providing and placing in position hopping 25x1.60 mm or 2 Nos 6mm dia MS bars reinforcement at every third course of half brick masonry. | | | | | 141.26 | sqm | 62.50 | 8828.44 |

| SN | REF | DESCRIPTION | NO | L | W | H/D | QTY | UNIT | RATE | AMOUNT |
|----|-------|--|----|------|------|------|--------|-------|---------|-----------|
| 17 | 8.148 | Providing and fixing factory made UPVC door frame made of UPVC profile section having an overall dimension as below (tolerance ± 1 mm) with wall thickness 2.0mm ± 0.2 mm, corners of the door frame to be jointed with galvanized brackets and stainless steel screws, joints miltred and plastic welded. The hinge side vertical of the frames reinforced by galvanized M.S. tube of size 19 X 19mm and 1mm ± 0.1 mm wall thickness and 3 nos. stainless steel hinges fixed to the frame complete as per manufacturers specification and direction of Engineer-in-charge | | | | | | | | |
| | 2 | Extruded section Profile size 42x50 mm. | | | | | | | | |
| | | For toilet doors | 8 | 4.95 | | | 39.60 | metre | 196.00 | 7761.60 |
| 18 | 8.154 | Providing and fixing 30mm thick fibreglass reinforced plastic (F.R.P.) flush door shutter in different plain and wood finish made with fire retardant grade unsaturated polyester resin, moulded to 3mm 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 : 2000, complete. | 8 | 0.75 | 2.10 | | 12.60 | sqm | 2595.00 | 32697.00 |
| 19 | 9.16 | Providing and fixing M.S. frames of doors, windows, ventilators and cupboards joints miltred and welded with 15x3 mm lugs 10cm long embedded in cement concrete blocks 15x10x10cm of grade M-10 or with wooden plugs and screws or with dash fastener or rawl plugs and screws or with fixing clips or with bolts and nuts as required Including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer. | | | | | | | | |
| | 2 | Angle-iron frames | | | | | | | | |
| | | Wt of ISA 50x50x5 steel @ 3.8 Kg / m | | | | | | | | |
| | | D1 | 1 | 8.00 | | 3.80 | 30.40 | | | |
| | | D2 | 2 | 5.40 | | 3.80 | 41.04 | | | |
| | | D3 | 12 | 5.20 | | 3.80 | 237.12 | | | |
| | | D4 | 5 | 5.10 | | 3.80 | 96.90 | | | |
| | | | | | | | 405.46 | Kg | 73.50 | 29801.31 |
| 20 | 8.12 | Providing and fixing flush door shutters, conforming to IS : 2202 (Part-I), decorative type core of block board construction with frame of first class hard wood and well matched teak ply veneering with vertical grains or cross bands and face veneers on both faces of shutters excluding hinges. | | | | | | | | |
| | 1 | 40 mm. thick (single leaf) | | | | | | | | |
| | | D1 | 1 | 1.80 | | 3.00 | 5.40 | | | |
| | | D2 | 2 | 1.20 | | 2.10 | 5.04 | | | |
| | | D3 | 12 | 1.00 | | 2.10 | 25.20 | | | |
| | | D4 | 5 | 0.90 | | 2.10 | 9.45 | | | |
| | | | | | | | 45.09 | sqm | 2467.00 | 111237.03 |
| 15 | 8.15 | Extra for double leaf shutter instead of single leaf. | | | | | | | | |
| | | D1 | 1 | 1.80 | | 3.00 | 5.40 | | | |
| | | D2 | 2 | 1.20 | | 2.10 | 5.04 | | | |
| | | | | | | | 10.44 | sqm | 52.00 | 542.88 |

| SN | REF | DESCRIPTION | NO | L | W | HD | QTY | UNIT | RATE | AMOUNT |
|----|------|--|----|------|------|-------|---------|------|---------|----------|
| 21 | 9.11 | Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2mm and braced with flat iron diagonals 20x5mm size with top and bottom rails of T-iron 40x40x5mm with 38mm steel pulleys complete with bolts, nuts, locking arrangement stoppers, handles including applying a priming coat of red oxide zinc chromate primer, | | | | | | | | |
| | | (1) | 1 | 1.80 | | 2.40 | 4.32 | sqm | 3330.00 | 14385.80 |
| 22 | 8.52 | Providing and fixing M.S. round and square bars with MS flat of required pattern in wooden frames for windows & clerestory windows including applying a priming coat of red oxide zinc chromate primer, welding etc complete | | | | | | | | |
| | 1 | Plain grill | | | | | | | | |
| | | Weight of steel @ 25 kg per sqm | | | | | | | | |
| | | W1 | 7 | 1.50 | 1.30 | 25.00 | 341.25 | | | |
| | | W2 | 22 | 1.00 | 1.30 | 25.00 | 715.00 | | | |
| | | WK | 4 | 1.50 | 0.90 | 25.00 | 135.00 | | | |
| | | V | 20 | 0.90 | 0.80 | 25.00 | 270.00 | | | |
| | | | | | | | 1461.25 | kg | 68.00 | 99365.00 |
| 23 | 8.77 | Providing and fixing antique/ SS finished brass butt hinges with antique/ SS polished MS screw complete; | | | | | | | | |
| | 1 | 125x85x5.50mm (Heavy Type) | 23 | 3.00 | | | 69.00 | each | 256.00 | 17664.00 |
| | 2 | 100x85x5.50 mm (Heavy Type) | 14 | 3.00 | | | 42.00 | each | 256.00 | 10752.00 |
| 24 | 8.79 | Providing and fixing antique/ SS finished brass sliding door bolt with necessary bolts, nuts and antique/ SS polished MS screw complete; | | | | | | | | |
| | 1 | 300x16mm | 20 | | | | 20.00 | each | 496.00 | 9920.00 |
| | 2 | 250 x 16mm | 14 | | | | 14.00 | each | 489.00 | 6846.00 |
| 25 | 8.80 | Providing and fixing antique/ SS finished brass door latch with antique/ SS polished MS screw complete; | | | | | | | | |
| | 1 | 300 x16x5 mm | 20 | | | | 20.00 | each | 424.00 | 8480.00 |
| | 2 | 250x16x5 mm | 14 | | | | 14.00 | each | 424.00 | 5936.00 |
| 26 | 8.81 | Providing and fixing antique/ SS finished brass lower bolts (Barrel type) with antique/ SS polished MS screw complete; | | | | | | | | |
| | 1 | 250 x10 mm | 37 | 1.00 | | | 37.00 | each | 297.00 | 10989.00 |
| 27 | 8.84 | Providing and fixing antique/ SS finished brass handles with antique/ SS polished MS screw complete; | | | | | | | | |
| | 1 | 125 mm | 37 | 2.00 | | | 74.00 | each | 58.50 | 4329.00 |
| 28 | 8.90 | Providing & fixing 150mm antique/ SS finished brass floor door stopper with rubber cushion and antique/ SS polished MS screw complete to suit the shutter thickness. | | | | | | | | |
| | 1 | 300x16mm | 23 | | | | 23.00 | each | 77.00 | 1771.00 |

| SN | REF | DESCRIPTION | NO | L | W | H/D | QTY | UNIT | RATE | AMOUNT |
|----|------|---|----|------|------|------|--------|------|--------|----------|
| 29 | 9.47 | Providing and fixing aluminium work for doors, windows, ventilators and partitions made out of extruded aluminium standard sections (main section with minimum 1.5mm thickness) conforming to IS: 733, IS: 1285 mitred and jointed mechanically including aluminium cleats, neoprene weather stripping gasket beveled edge beading, screws duly fixed in wall/ floor with fixing clips or hold fasteners or bolts and nuts as required aluminium sections shall be anodized transparent or dyed to approved shade according to IS: 1868, minimum anodic coating shall be of grade AC-15. (Glazing to be paid for separately). | | | | | | | | |
| | 1 | For fixed portion | | | | | | | | |
| | | Wt of frame @ 3.0 Kg/sqm | | | | | | | | |
| | | W1 | 7 | 1.50 | 1.30 | 3.00 | 40.95 | | | |
| | | W2 | 22 | 1.00 | 1.30 | 3.00 | 85.80 | | | |
| | | WK | 4 | 1.50 | 0.90 | 3.00 | 16.20 | | | |
| | | V | 20 | 0.90 | 0.60 | 3.00 | 32.40 | | | |
| | | | | | | | 175.35 | Kg | 331.00 | 58040.85 |
| | 2 | For shutter of doors, windows & ventilators including providing and making provision for fixing of fitting wherever required including the cost of PVC/ neoprene gasket required (Fittings shall be paid for separately). | | | | | | | | |
| | | Wt of frame @ 3.2 Kg/sqm, W1 | | | | | | | | |
| | | W1 | 7 | 1.50 | 1.30 | 3.20 | 43.68 | | | |
| | | W2 | 22 | 1.00 | 1.30 | 3.20 | 91.52 | | | |
| | | WK | 4 | 1.50 | 0.90 | 3.20 | 17.28 | | | |
| | | V | 20 | 0.90 | 0.60 | 3.20 | 34.56 | | | |
| | | | | | | | 187.04 | Kg | 338.00 | 63219.52 |
| 30 | 9.48 | Extra for powder coated (minimum 50 micron) aluminium sections instead of anodized, qty 9.47.1 +9.47.2 | | | | | 362.39 | Kg | 27.00 | 9784.53 |
| 31 | 9.51 | Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with PVC/ neoprene gasket etc. complete. (Cost of aluminium snap beading shall be paid in basic item): | | | | | | | | |
| | 2 | With float glass panes of 5 mm thickness | | | | | | | | |
| | | W1 | 7 | 1.50 | | 1.30 | 13.65 | | | |
| | | W2 | 22 | 1.00 | | 1.30 | 28.60 | | | |
| | | WK | 4 | 1.50 | | 0.90 | 5.40 | | | |
| | | V | 20 | 0.90 | | 0.60 | 10.80 | | | |
| | | | | | | | 58.45 | sqm | 708.00 | 41382.60 |
| 32 | 12.7 | Providing and fixing ceramic glazed wall tiles conforming to IS : 15622 of approved make, colours, shades and size on wall 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 matching | | | | | | | | |
| | 1 | Size upto 200x300mm | | | | | | | | |
| | | common toilet | 12 | 5.20 | | 2.40 | 149.76 | | | |
| | | | 4 | 3.90 | | 2.40 | 37.44 | | | |
| | | | 4 | 3.10 | | 2.40 | 29.76 | | | |
| | | | 2 | 1.80 | | 2.40 | 8.64 | | | |
| | | | 4 | 1.60 | | 2.40 | 15.36 | | | |
| | | | 2 | 5.00 | | 2.40 | 24.00 | | | |
| | | warden toilet | 1 | 6.80 | | 2.40 | 16.32 | | | |
| | | | 1 | 7.20 | | 2.40 | 17.28 | | | |

| SN | REF | DESCRIPTION | NO | L | W | H/D | QTY | UNIT | RATE | AMOUNT |
|----|---------|---|------|--------|-------|-------|--------|------|---------|-----------|
| | | kitchen (mess) | 1 | 7.40 | | 0.60 | 4.44 | | | |
| | | warden kitchen | 1 | 5.70 | | 0.60 | 3.42 | | | |
| | | deduct D4 | 2 | 0.90 | | 2.10 | -3.78 | | | |
| | | D5 | 14 | 1.20 | | 2.10 | -35.28 | | | |
| | | | | | | | 267.36 | sqm | 587.00 | 156940.32 |
| 33 | 12.9 | Providing and laying ceramic glazed floor tiles conforming to IS : 15622 of approved size, make, colour, shade laid on 20 mm thick Cement Mortar 1:4 (1 cement : 4 coarse sand) including pointing the joints with white cement mixed with matching pigment etc., complete. | | | | | | | | |
| | 12.9.2 | Size above 300x300mm | | | | | | | | |
| | | Toilet | 12 | 1.10 | 1.50 | | 19.80 | | | |
| | | | 2 | 3.90 | 1.80 | | 14.04 | | | |
| | | | 2 | 3.10 | 5.00 | | 31.00 | | | |
| | | warden toilet | 1 | 2.20 | 1.20 | | 2.64 | | | |
| | | | 1 | 2.40 | 1.20 | | 2.88 | | | |
| | | | | | | | 70.36 | sqm | 728.00 | 51222.08 |
| 34 | 12.79 | Providing and laying double charge/ multi charge (minimum 2.0mm thick layer) vitrified floor tiles with water absorption less than 0.5% and conforming to IS : 15622-2017 of first quality of approved make in all colours and shades and size mentioned below (+/- 10mm), laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc. complete. | | | | | | | | |
| | 12.79.1 | Size 600x600mm thickness 9 to 10mm | | | | | | | | |
| | | left+right wing rooms | 6 | 7.00 | 5.00 | | 210.00 | | | |
| | | back wing rooms | 3 | 7.00 | 5.00 | | 105.00 | | | |
| | | bed room | 2 | 3.30 | 3.60 | | 23.76 | | | |
| | | passage | 1 | 6.10 | 1.20 | | 7.32 | | | |
| | | kitchen | 1 | 3.30 | 2.40 | | 7.92 | | | |
| | | store | 1 | 1.20 | 3.30 | | 3.96 | | | |
| | | hall | 1 | 3.00 | 6.00 | | 18.00 | | | |
| | | verandah | 1 | 3.00 | 1.60 | | 4.80 | | | |
| | | staircase | 1 | 3.00 | 3.80 | | 11.40 | | | |
| | | entrance | 1 | 5.00 | 6.00 | | 30.00 | | | |
| | | dinning | 1 | 6.00 | 7.60 | | 45.60 | | | |
| | | kitchen | 1 | 3.60 | 5.00 | | 18.00 | | | |
| | | store & wash | 2 | 1.70 | 2.40 | | 8.16 | | | |
| | | | | | | total | 493.92 | | | |
| | | skirting @ 20% | 0.20 | 493.92 | | | 98.78 | | | |
| | | | | | | | 592.70 | sqm | 1082.00 | 641305.73 |
| 35 | 12.45 | 15 mm thick Table rubbed polished Granite stone slab flooring laid over 20mm (Average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with grey cement slurry including rubbing and polishing etc. complete. (Area of slab should be 0.50 sqm and above) | | | | | | | | |
| | 12.45.1 | Granite stone grey/pink | | | | | | | | |
| | | left+right wing corridor | 2 | 1.80 | 11.80 | | 42.48 | | | |
| | | back+front wing corridor | 2 | 29.80 | 1.80 | | 107.28 | | | |
| | | entrance lobby | 1 | 5.00 | 6.00 | | 30.00 | | | |
| | | | | | | total | 179.76 | | | |
| | | skirting @ 20% | 0.20 | 179.76 | | | 35.95 | | | |
| | | | | | | | 215.71 | sqm | 1796.00 | 387418.75 |

| SN | REF | DESCRIPTION | NO | L | W | H/D | QTY | UNIT | RATE | AMOUNT |
|----|---------|--|----|------|------|------|-------|-------|---------|----------|
| 36 | 12.46 | 15 mm thick Table rubbed polished Granite stone slab in risers and treads of steps skirting dado and pillars laid on 12mm (Average) thick base of cement mortar 1:3 (1 cement : 3 coarse sand) and jointed with grey cement slurry including rubbing and polishing etc. complete (single stone is to be used for risers and treads of steps and width of stone for skirting and dado shall be equal to the height of skirting & dado and length of 1.0 m). | | | | | | | | |
| | 12.46.1 | Granite stone grey/pink | | | | | | | | |
| | | steps | 24 | 1.40 | 0.30 | | 10.08 | | | |
| | | landing | 1 | 3.00 | 1.50 | | 4.50 | | | |
| | | | | | | | 14.58 | sqm | 1869.00 | 27250.02 |
| 37 | 13.6 | 15mm thick Granite work (machine cut, table rubbed & mirror polished) for kitchen platform, vanity counters, window sills and similar locations of required size laid over 20mm thick base cement mortar 1:4 (1 cement : 4 coarse sand) including joints treated with white cement mixed with matching pigment including rubbing and polishing to edge moulding to give high gloss finish. | | | | | | | | |
| | 13.6.1 | Granite stone grey/pink | | | | | | | | |
| | | kitchen platform | 1 | 3.60 | 0.60 | | 2.16 | | | |
| | | | 1 | 3.20 | 0.60 | | 1.92 | | | |
| | | kitchen platform, warden | 1 | 3.30 | 0.60 | | 1.98 | | | |
| | | | 1 | 1.80 | 0.60 | | 1.08 | | | |
| | | washbasin top | 2 | 3.10 | 0.60 | | 3.72 | | | |
| | | | | | | | 10.86 | sqm | 2466.00 | 26780.76 |
| 38 | 13.17 | Providing and fixing 15mm thick Granite (machine cut, table rubbed & mirror polished on both sides) for partition curtain in toilets or similar locations of required size in wall with cement mortar 1:4 (1 cement : 4 coarse sand) including cutting chase in wall and joint with wall treated with white cement mixed with matching pigment including rubbing and polishing to edge moulding to give high gloss finish. | | | | | | | | |
| | 13.17.1 | Granite stone grey/pink | | | | | | | | |
| | | urinal partition | 2 | 0.65 | | 1.20 | 1.56 | sqm | 2111.00 | 3293.16 |
| 39 | 13.19 | Extra for providing edge moulding to 15mm thick stone counters, vanities etc. including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-In-Charge. | | | | | | | | |
| | 13.19.2 | Granite work | | | | | | | | |
| | | kitchen platform | 1 | 3.60 | | | 3.60 | | | |
| | | | 1 | 3.20 | | | 3.20 | | | |
| | | kitchen platform, warden | 1 | 3.30 | | | 3.30 | | | |
| | | | 1 | 1.80 | | | 1.80 | | | |
| | | urinal partition | 2 | 3.00 | | | 6.00 | | | |
| | | steps | 24 | 1.50 | | | 36.00 | | | |
| | | washbasin counter | 2 | 3.10 | | | 6.20 | | | |
| | | | | | | | 60.10 | metre | 172.00 | 10337.20 |
| 40 | 13.20 | Extra for fixing marble /granite stone in-facia and drops of width upto 150 mm with epoxy resin based adhesive instead of cement mortar including cleaning etc. complete. | | | | | | | | |
| | | kitchen platform | 1 | 3.60 | | | 3.60 | | | |
| | | | 1 | 3.20 | | | 3.20 | | | |
| | | kitchen platform, warden | 1 | 3.30 | | | 3.30 | | | |

| SN | REF | DESCRIPTION | NO | L | W | H/D | QTY | UNIT | RATE | AMOUNT |
|----|-------|--|----|-------|-------|------|--------|-------|--------|----------|
| | | | 1 | 1.80 | | | 1.80 | | | |
| | | | | | | | 11.90 | metre | 257.00 | 3058.30 |
| 41 | 13.21 | Extra for making opening of required size & shape for wash basins/ kitchen sink in kitchen platform, vanity counters and similar location in marble/Granite/stone work including making necessary holes for pillar taps etc. including rubbing and polishing of cut edges etc. complete. | | | | | | | | |
| | | wash basin | 6 | | | | 6.00 | | | |
| | | sink | 3 | | | | 3.00 | | | |
| | | | | | | | 9.00 | each | 253.00 | 2277.00 |
| 42 | 11.1 | Providing and making 6mm thick cement plaster of mix: | | | | | | | | |
| | 2 | In Cement mortar 1:4 (1 cement : 4 fine sand) | | | | | | | | |
| | | left+right wing rooms | 6 | 7.00 | 5.00 | | 210.00 | | | |
| | | left+right wing corridor | 2 | 1.80 | 11.80 | | 42.48 | | | |
| | | back wing rooms | 3 | 7.00 | 5.00 | | 105.00 | | | |
| | | Toilet | 12 | 1.10 | 1.50 | | 19.80 | | | |
| | | | 2 | 3.90 | 1.80 | | 14.04 | | | |
| | | | 2 | 3.10 | 5.00 | | 31.00 | | | |
| | | front wing, bed room | 2 | 3.30 | 3.60 | | 23.76 | | | |
| | | passage | 1 | 6.10 | 1.20 | | 7.32 | | | |
| | | kitchen | 1 | 3.30 | 2.40 | | 7.92 | | | |
| | | store | 1 | 1.20 | 3.30 | | 3.96 | | | |
| | | toilet | 1 | 2.20 | 1.20 | | 2.64 | | | |
| | | | 1 | 2.40 | 1.20 | | 2.88 | | | |
| | | hall | 1 | 3.00 | 6.00 | | 18.00 | | | |
| | | verandah | 1 | 3.00 | 1.60 | | 4.80 | | | |
| | | sick room | 1 | 3.00 | 3.40 | | 10.20 | | | |
| | | entrance | 1 | 5.00 | 6.00 | | 30.00 | | | |
| | | dinning | 1 | 6.00 | 7.60 | | 45.60 | | | |
| | | kitchen | 1 | 3.60 | 5.00 | | 18.00 | | | |
| | | store & wash | 2 | 1.70 | 2.40 | | 8.16 | | | |
| | | back+front wing corridor | 2 | 29.80 | 1.80 | | 107.28 | | | |
| | | waist slab | 1 | 4.1 | 1.4 | | 5.74 | | | |
| | | | 1 | 3 | 1.4 | | 4.20 | | | |
| | | staircase tower | 1 | 3.00 | 3.80 | | 11.40 | | | |
| | | Chajja, left + right wing, room | 4 | 4.00 | 0.60 | | 9.60 | | | |
| | | | 2 | 5.00 | 0.60 | | 6.00 | | | |
| | | back wing room | 2 | 4.00 | 0.60 | | 4.80 | | | |
| | | | 1 | 5.00 | 0.60 | | 3.00 | | | |
| | | toilet | 2 | 7.80 | 0.60 | | 9.36 | | | |
| | | | 2 | 5.20 | 0.60 | | 6.24 | | | |
| | | front wing, toilet | 1 | 1.20 | 0.60 | | 0.72 | | | |
| | | bed room, toilet, verandah, sick | 1 | 15.00 | 0.60 | | 9.00 | | | |
| | | dinning + kitchen | 1 | 10.20 | 0.60 | | 6.12 | | | |
| | | kitchen, WK | 1 | 2.00 | 0.60 | | 1.20 | | | |
| | | wash | 1 | 2.60 | 0.60 | | 1.56 | | | |
| | | corridor | 2 | 26.20 | 0.60 | | 31.44 | | | |
| | | | 2 | 11.40 | 0.60 | | 13.68 | | | |
| | | Loft, room | 18 | 2.00 | 0.60 | | 21.60 | | | |
| | | store shelf | 4 | 2.40 | 0.60 | | 5.76 | | | |
| | | | 4 | 1.25 | 0.60 | | 3.00 | | | |
| | | | 4 | 2.40 | 0.60 | | 5.76 | | | |
| | | | | | | | 873.02 | sqm | 87.00 | 75952.74 |
| 43 | 11.2 | Providing and making 12mm thick cement plaster of mix: | | | | | | | | |
| | 4 | In Cement Mortar 1:6 (1 cement : 6 fine sand) | | | | | | | | |
| | | left + right wing rooms | 8 | 7.00 | | 3.60 | 201.60 | | | |

| SN | REF | DESCRIPTION | NO | L | W | H/D | QTY | UNIT | RATE | AMOUNT |
|----|------|---|----|-------|---|------|---------|------|-------|-----------|
| | | | 12 | 5.00 | | 3.60 | 216.00 | | | |
| | | back wing rooms | 6 | 5.00 | | 3.60 | 108.00 | | | |
| | | | 4 | 7.00 | | 3.60 | 100.80 | | | |
| | | toilet | 12 | 1.10 | | 3.60 | 47.52 | | | |
| | | | 4 | 3.10 | | 3.60 | 44.64 | | | |
| | | partition walls | 12 | 1.10 | | 2.40 | 31.68 | | | |
| | | front wing, bed + o/s + kitchen | 6 | 3.30 | | 3.60 | 71.28 | | | |
| | | bed | 3 | 3.60 | | 3.60 | 38.88 | | | |
| | | ots, kitchen, store | 3 | 2.40 | | 3.60 | 25.92 | | | |
| | | toilet | 1 | 2.20 | | 3.60 | 7.92 | | | |
| | | | 1 | 1.20 | | 3.60 | 4.32 | | | |
| | | store + toilet | 2 | 1.20 | | 3.60 | 8.64 | | | |
| | | hall + stair + sick | 4 | 3.00 | | 3.60 | 43.20 | | | |
| | | hall | 1 | 6.00 | | 3.60 | 21.60 | | | |
| | | veransah | 1 | 1.60 | | 3.60 | 5.76 | | | |
| | | sick | 2 | 3.30 | | 3.60 | 23.76 | | | |
| | | staircase | 2 | 4.20 | | 3.60 | 30.24 | | | |
| | | entrance | 1 | 5.00 | | 3.60 | 18.00 | | | |
| | | dinning | 2 | 6.00 | | 3.60 | 43.20 | | | |
| | | | 2 | 7.60 | | 3.60 | 54.72 | | | |
| | | kitchen | 1 | 3.60 | | 3.60 | 12.96 | | | |
| | | | 1 | 5.00 | | 3.60 | 18.00 | | | |
| | | store, wash | 4 | 1.70 | | 3.60 | 24.48 | | | |
| | | | 2 | 2.40 | | 3.60 | 17.28 | | | |
| | | staircase lower | 2 | 3.00 | | 2.60 | 15.60 | | | |
| | | | 2 | 7.60 | | 2.60 | 39.52 | | | |
| | | | | | | | 1275.52 | sqm | 91.50 | 116710.08 |
| 44 | 11.3 | Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix: | | | | | | | | |
| | 4 | In Cement Mortar 1:6 (1 cement : 6 fine sand) | | | | | | | | |
| | | left + right wing rooms | 4 | 7.00 | | 3.60 | 100.80 | | | |
| | | corridor | 2 | 15.40 | | 3.60 | 110.88 | | | |
| | | back wing, toilet partition | 4 | 3.90 | | 2.40 | 37.44 | | | |
| | | | 12 | 1.50 | | 2.40 | 43.20 | | | |
| | | toilet | 2 | 5.00 | | 3.60 | 36.00 | | | |
| | | room | 2 | 7.00 | | 3.60 | 50.40 | | | |
| | | back + front corridor | 2 | 29.80 | | 3.60 | 214.56 | | | |
| | | front wing, bed | 2 | 3.30 | | 3.60 | 23.76 | | | |
| | | | 2 | 3.60 | | 3.60 | 25.92 | | | |
| | | ots, kitchen, store | 3 | 2.40 | | 3.60 | 25.92 | | | |
| | | toilet | 1 | 2.20 | | 3.60 | 7.92 | | | |
| | | toilet | 1 | 1.20 | | 3.60 | 4.32 | | | |
| | | passage | 1 | 8.40 | | 3.60 | 30.24 | | | |
| | | toilet | 1 | 3.70 | | 3.60 | 13.32 | | | |
| | | hall | 1 | 6.00 | | 3.60 | 21.60 | | | |
| | | verandah | 1 | 3.00 | | 3.60 | 10.80 | | | |
| | | | 1 | 1.60 | | 3.60 | 5.76 | | | |
| | | sick | 1 | 3.00 | | 3.60 | 10.80 | | | |
| | | entrance | 2 | 6.20 | | 3.60 | 44.64 | | | |
| | | | 1 | 5.00 | | 3.60 | 18.00 | | | |
| | | | 2 | 1.60 | | 3.60 | 11.52 | | | |
| | | kitchen | 1 | 3.60 | | 3.60 | 12.96 | | | |
| | | | 1 | 5.00 | | 3.60 | 18.00 | | | |
| | | store, wash | 1 | 2.40 | | 2.40 | 5.76 | | | |
| | | deductions D1 | 1 | 1.50 | | 3.00 | -4.50 | | | |
| | | D2 | 2 | 1.20 | | 2.10 | -5.04 | | | |
| | | D3 | 12 | 1.00 | | 2.10 | -25.20 | | | |
| | | D4 | 5 | 0.90 | | 2.10 | -9.45 | | | |
| | | D5 | 14 | 0.75 | | 2.10 | -22.05 | | | |
| | | W1 | 7 | 1.50 | | 1.30 | -13.65 | | | |


| SN | REF | DESCRIPTION | NO | L | W | H/D | QTY | UNIT | RATE | AMOUNT |
|----|---------|---|----|--------|------|--------|---------|------|--------|-----------|
| | | | | | | | | | | |
| | | | W2 | 22 | 1.00 | 1.30 | -28.60 | | | |
| | | | WK | 4 | 1.50 | 0.90 | -5.40 | | | |
| | | | V | 20 | 0.90 | 0.60 | -10.80 | | | |
| | | | | | | | 759.83 | sqm | 107.00 | 81301.81 |
| 45 | 11.8 | Providing and making 18mm thick cement plaster in two coats with under layer of 12mm thick plaster 1:5 (1 cement : 5 fine sand) and top layer of 6mm thick with cement plaster 1:3 (1 cement : 3 fine sand) finished rough with sponge. | | | | | | | | |
| | | outer face, building | 1 | 195.00 | | 5.50 | 1072.50 | | | |
| | | staircase tower | 2 | 8.00 | | 2.60 | 41.60 | | | |
| | | | 2 | 3.40 | | 2.60 | 17.68 | | | |
| | | deduct door | 1 | 1.00 | | 2.10 | -2.10 | | | |
| | | inerr face of parapet | 1 | 234.00 | | 0.90 | 210.60 | | | |
| | | | | | | | 1340.28 | sqm | 167.00 | 223826.76 |
| 46 | 12.3 | Cement concrete flooring with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm) finished with a floating coat of neat cement. | | | | | | | | |
| | 12.3.2 | 50 mm thick | | | | | | | | |
| | | Slab area | | | | | 813.00 | sqm | 254.00 | 206502.00 |
| 47 | 14.13 | Providing and applying 2mm thick ready mix exterior grade approved make putty (like Birla wall care, Alltek Superfine W/R of (NCL), Asian, ICI, Nerolac, J.K. wall putty) on walls to make the surface smooth and even. | | | | | | | | |
| | | 6 mm plaster | | | | | 873.02 | | | |
| | | 12 mm plaster | | | | | 1275.52 | | | |
| | | 15 mm plaster | | | | | 759.83 | | | |
| | | 18 mm plaster | | | | | 1340.28 | | | |
| | | | | | | TOTAL: | 4248.65 | sqm | 94.50 | 401497.00 |
| 48 | 14.12 | Applying one coat of cement primer on wall surface (applied @ 0.80 litres/10 sqm) complete. | | | | | 4248.65 | sqm | 23.00 | 97719.00 |
| 49 | 14.11 | Wall painting with acrylic luxury emulsion (plastic) paint of required shade to give an even shade. | | | | | | | | |
| | 14.11.1 | On new work (two or more coats) | | | | | | | | |
| | | 6, 12 & 15 mm plaster | | | | | 2908.37 | sqm | 52.50 | 152689.00 |
| 50 | 14.16 | Painting exterior surface with PREMIUM ACRYLIC SMOOTH exterior paint of required shade as per manufacturer's specifications to give protective and decorative finish including cleaning washing of surface etc. complete with: | | | | | | | | |
| | 14.16.1 | On 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) | | | | | | | | |
| | | 18 mm plaster | | | | | 1340.28 | sqm | 74.50 | 99850.86 |
| 51 | 14.22 | Painting on new work (two or more coats) to give an even shade with: | | | | | | | | |
| | 2 | Premium synthetic enamel paint | | | | | | | | |
| | | W1 | 7 | 1.50 | | 1.30 | 13.65 | | | |
| | | W2 | 22 | 1.00 | | 1.30 | 28.60 | | | |
| | | WK | 4 | 1.50 | | 9.00 | 54.00 | | | |
| | | V | 20 | 0.90 | | 0.60 | 10.80 | | | |
| | | colleapsible gate | 1 | 1.80 | | 3.00 | 5.40 | | | |

| DETAILED ESTIMATE FOR 50 BED PRE-MATRIC SC/ST HOSTEL | | | | | | | | | | |
|--|---------|---|----|---|---|-----|-------|------|----------|----------|
| FOR TRIBAL DEVELOPMENT DEPARTMENT | | | | | | | | | | |
| AS PER PWD BUILDING SOR, w.e.f. 01.01.2015 | | | | | | | | | | |
| SANITARY AND WATER SUPPLY | | | | | | | | | | |
| SN | REF | DESCRIPTION | NO | L | W | H/D | QTY | UNIT | RATE | AMOUNT |
| 1 | 18.2 | Providing and fixing vitreous china water closet squatting pan (Indian type) including cutting and making good the walls and floors wherever required: | | | | | | | | |
| | 18.2.3 | White Orissa pattern W.C. pan of size 580x440 mm | 6 | | | | 6.00 | each | 1440.00 | 8640.00 |
| 2 | 18.4 | Providing and fixing vitreous china water closet (European type W.C. pan) with white ISI marked plastic seat and lid, 10 litre low level white P.V.C. flushing cistern (same colour), conforming to IS : 7231, with all fittings and fixtures complete including cutting and making good the walls and floors wherever required : | | | | | | | | |
| | 18.4.1 | White pedestal type | 2 | | | | 2.00 | each | 2882.00 | 5764.00 |
| 3 | 18.8 | Providing and fixing vitreous china 10 litre (full flush) capacity controlled flush low level cistern with all fittings complete. | | | | | | | | |
| | 18.8.1 | White | 6 | | | | 6.00 | each | 1334.00 | 8004.00 |
| 4 | 18.9 | Providing and fixing ISI marked plastic seat with lid for pedestal type W.C. pan complete: | | | | | | | | |
| | 18.9.1 | White/ black | 2 | | | | 2.00 | each | 620.00 | 1240.00 |
| 5 | 18.13 | Providing and fixing white vitreous china urinal basin with waste fitting as per IS : 2556, and other couplings in C.P. brass complete: | | | | | | | | |
| | 18.13.1 | Flat back half stall urinal of size 460x380x250mm | 8 | | | | 8.00 | each | 1776.00 | 14208.00 |
| 6 | 18.17 | Providing and fixing vitreous china wash basin with C.I. brackets, 32 mm C.P. brass waste of standard pattern, including painting of brackets, cutting and making good the walls wherever required : | | | | | | | | |
| | 18.17.1 | White Size 550x450 mm | 15 | | | | 15.00 | each | 1430.00 | 21450.00 |
| 7 | 18.21 | Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink with drain board 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 : | | | | | | | | |
| | 18.21.1 | 1145x510 mm bowl size 560x410x241 mm | 2 | | | | 2.00 | each | 11767.00 | 23534.00 |
| 8 | 18.25 | Providing and fixing flexible P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. | | | | | | | | |
| | 18.25.2 | 40 mm dia | 2 | | | | 2.00 | each | 88.50 | 177.00 |
| 9 | 18.29 | Providing and fixing 600x450 mm beveled edge 4mm 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. | 15 | | | | 15.00 | each | 599.00 | 8985.00 |
| 10 | 18.33 | 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 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) including cost of cutting holes and making good the walls etc. : | | | | | | | | |
| | 18.33.1 | For 100 mm dia pipe | 30 | | | | 30.00 | each | 85.50 | 2565.00 |
| | 18.33.2 | For 75 mm dia pipe | 30 | | | | 30.00 | each | 83.00 | 2490.00 |

| SN | REF | DESCRIPTION | NO | L | W | H/D | QTY | UNIT | RATE | AMOUNT |
|----|-----------|---|----|--------|---|-----|--------|-------|---------|----------|
| 11 | 18.34 | Providing and fixing sand cast iron S&S bend with access door of required degree as per IS : 1729, insertion rubber washer 3 mm thick, bolts and nuts: | | | | | | | | |
| | 18.34.1 | 100 mm dia | 40 | | | | 40.00 | each | 418.00 | 16720.00 |
| | 18.34.2 | 75 mm dia | 30 | | | | 30.00 | each | 316.00 | 9480.00 |
| 12 | 18.54 | Providing lead caulked joints to sand cast iron/centrifugally cast (spun) iron pipes and fittings of diameter: | | | | | | | | |
| | 18.54.1 | 100 mm | 8 | | | | 8.00 | each | 228.00 | 1824.00 |
| 13 | 18.76 | Providing and fixing on wall face or under floor UV stabilized Unplasticised Rigid PVC pipes (single socketed) having 3.2mm wall thickness conforming to IS : 13592 (4kg/sqcm) including required couplers, jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion etc complete. | | | | | | | | |
| | 18.76.2 | 110 mm dia pipe. | 1 | 220.00 | | | 220.00 | metre | 267.00 | 58740.00 |
| 14 | 18.77 | Providing and fixing on wall face UV stabilized Unplasticised - PVC moulded fittings/ accessories having 3.2mm wall thickness for Rigid PVC pipes conforming to IS : 13592 (heavy) jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion. | | | | | | | | |
| | 18.77.1 | Tee/ Tee with door/ Bend 45°/ Bend 90° | | | | | | | | |
| | 18.77.1.2 | 110 mm | 86 | | | | 86.00 | each | 154.00 | 13244.00 |
| | 18.77.5 | P trap 110mmx110mm long | 15 | | | | 15.00 | each | 227.00 | 3405.00 |
| | 18.77.6 | Nahani trap 110x75mm | 15 | | | | 15.00 | each | 90.50 | 1357.50 |
| | 18.77.7 | Multi floor trap 110 | 15 | | | | 15.00 | each | 122.00 | 1830.00 |
| 15 | 19.7 | Providing and fixing on wall surface G.I. pipes medium class complete with G.I. fittings and clamps, including cutting, making good the walls etc. and testing of joints complete: | | | | | | | | |
| | 19.7.1 | 15 mm dia. nominal bore | 1 | 35.00 | | | 35.00 | metre | 149.00 | 5215.00 |
| | 19.7.2 | 20 mm dia. nominal bore | 1 | 15.00 | | | 15.00 | metre | 185.00 | 2775.00 |
| | 19.7.3 | 25 mm dia. nominal bore | 1 | 15.00 | | | 15.00 | metre | 258.00 | 3870.00 |
| | 19.7.4 | 32 mm dia. nominal bore | 1 | 55.00 | | | 55.00 | metre | 318.00 | 17490.00 |
| | 19.7.5 | 40 mm dia. nominal bore | 1 | 22.00 | | | 22.00 | metre | 364.00 | 8008.00 |
| | 19.7.6 | 50 mm dia. nominal bore | 1 | 40.00 | | | 40.00 | metre | 471.00 | 18840.00 |
| 16 | 19.14 | Providing and fixing 15 mm nominal bore C.P. brass fittings of approved make and conforming to IS:8931 including C.P. brass extension if required: | | | | | | | | |
| | 19.14.1 | Bib cock (400 grams) | 30 | | | | 30.00 | each | 382.00 | 11460.00 |
| | 19.14.3 | Long body bib cock (500 grams) | 8 | | | | 8.00 | each | 426.00 | 3408.00 |
| | 19.14.5 | Two way bib cock (800 grams) | 8 | | | | 8.00 | each | 708.00 | 5664.00 |
| | 19.14.6 | Stop cock (concealed) (600 grams) | 8 | | | | 8.00 | each | 494.00 | 3952.00 |
| | 19.14.7 | Angle valve for basin mixer and geyser points (450 grams) | 12 | | | | 12.00 | each | 382.00 | 4584.00 |
| | 19.14.8 | Basin mixer pillar tap with spout (1000 grams) | 15 | | | | 15.00 | each | 1248.00 | 18720.00 |
| | 19.14.13 | Toilet paper holder | 8 | | | | 8.00 | each | 248.00 | 1984.00 |
| | 19.14.14 | Soap dish plate | 20 | | | | 20.00 | each | 163.00 | 3260.00 |
| | 19.14.15 | Shower rose (revolving type) (150mm) | 8 | | | | 8.00 | each | 269.00 | 2152.00 |
| | 19.14.16 | Towel rail (600mm long x 20mm dia) | 20 | | | | 20.00 | each | 338.00 | 6760.00 |
| | 19.14.18 | Wall mixer (telephonic type) with crutch arrangement for hand shower (1400gms) | 15 | | | | 15.00 | each | 1764.00 | 26460.00 |
| 17 | 19.15 | Providing and fixing stainless steel drain jali of approved make/quality. | 18 | | | | 18.00 | each | 51.00 | 918.00 |
| 18 | 19.18 | Providing and fixing gun metal non- return valve (horizontal type) of approved quality (screwed end) : | | | | | | | | |

| SN | REF | DESCRIPTION | NO | L | W | H/D | QTY | UNIT | RATE | AMOUNT |
|----|---------|--|----|---------|---|-----|---------|-------|---------|----------|
| | 19.18.3 | 40 mm nominal bore | 6 | | | | 6.00 | each | 688.00 | 4128.00 |
| | 19.18.4 | 50 mm nominal bore | 4 | | | | 4.00 | each | 993.00 | 3972.00 |
| 19 | 19.31 | Providing and placing in position C.I. sluice valves category "A" (Make: Klrloskar Bros. Ltd., Indian Valve Co. (IVC), Fouress Engineers Pvt. Ltd., WAG) (with cap) complete: | | | | | | | | |
| | 19.31.1 | 100 mm diameter | 6 | | | | 6.00 | each | 3429.00 | 20574.00 |
| 20 | 19.42 | Providing and placing on terrace (at all floor levels) polyethylene water storage tank ISI : 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 | 5000.00 | | | 5000.00 | litre | 7.30 | 36500.00 |
| 21 | 19.47 | Constructing masonry Chamber 30x30x50 cm, inside with modular well burnt clay bricks of 35 kg/ cm ² in cement mortar 1:4 (1 cement : 4 coarse sand) for stop cock, with C. I. surface box 100x100 x75 mm (inside) with hinged cover fixed in cement concrete slab 1:2.4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) necessary excavation foundation concrete 1:5:10 (1 cement : 5 fine sand:10 graded stone aggregate 40mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12mm thick finished with a floating coat of neat cement complete as per standard design : | 12 | | | | 12.00 | each | 754.00 | 9048.00 |
| 22 | 19.48 | Constructing masonry Chamber 60x60x75 cm, inside with modular well burnt clay bricks of 35 kg/ cm ² in cement mortar 1:4 (1 cement : 4 coarse sand) for sluice valve, with C.I. surface box 100mm. top diameter, 160 mm bottom diameter and 180 mm deep (inside) with chained lid and RCC top slab 1:2.4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) necessary excavation foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick finished with a floating coat of neat cement complete as per standard design : | 14 | | | | 14.00 | each | 4644.00 | 65016.00 |
| 23 | 20.2 | 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 150mm thick as per standard design: | | | | | | | | |
| | 20.2.2 | 150 mm diameter S.W. pipe | 1 | 100.00 | | | 100.00 | metre | 436.00 | 43600.00 |
| 24 | 20.3 | Providing and fixing square-mouth S.W. gully trap grade "A" complete with C.I. grating brick masonry chamber with well burnt modular clay bricks crushing strength not less than 35kg/cm ² , 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 : | | | | | | | | |
| | 20.3.1 | 100x100 mm size P type | 18 | | | | 18.00 | each | 1339.00 | 24102.00 |

| SN | REF | DESCRIPTION | NO | L | W | H/D | QTY | UNIT | RATE | AMOUNT |
|------------------|--------|---|----|---|---|-----|-------|------|---------|-----------|
| 25 | 20.7 | Constructing brick masonry manhole with well burnt modular clay bricks crushing strength not less than 35kg/cm ² in cement mortar 1:4 (1 cement : 4 coarse sand), R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), foundation in cement concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size) inside plastering 12mm 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 20mm nominal size) finished with a floating coat of neat cement complete as per standard design : | | | | | | | | |
| | 20.7.1 | Inside size 90x60 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) : | 14 | | | | 14.00 | each | 6703.00 | 93842.00 |
| 26 | 20.31 | Providing and constructing soak pit 1.20x1.20x1.20m filled with brickbats including S.W. drain pipe 100 mm diameter and 1.20 m long complete as per standard design. | 3 | | | | 3.00 | each | 1709.00 | 5127.00 |
| Total as per SOR | | | | | | | | | Rs. | 655086.50 |
| SAY | | | | | | | | | Rs. | 655000.00 |


 Assistant Engineer
 Tribal Devel.
 Raigarh (C.G.)

DETAILED ESTIMATE FOR 50 BED PRE-MATRIC SC/ST HOSTEL

FOR TRIBAL DEVELOPMENT DEPARTMENT


AS PER PWD BUILDING SOR, w.e.f. 01.01.2015

SEPTIC TANK

| SN | REF | DESCRIPTION | NO | L | W | H/D | QTY | UNIT | RATE | AMOUNT |
|------------------------------------|--------|--|----|--------|------|--------|--------|------|---------|--------------|
| 1 | 1.1 | Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits. | | | | | | | | |
| | 1 | In all types of soils. | 1 | 5.40 | 2.40 | 2.10 | 27.22 | cum | 185.00 | 6034.96 |
| 2 | 1.6 | Extra for every additional lift of 1.5 m or part thereof. | | | | | | | | |
| | 1 | All types of soils | 1 | 5.40 | 2.40 | 0.60 | 7.78 | cum | 26.50 | 206.06 |
| 3 | 3.1 | Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. | | | | | | | | |
| | 2 | 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size). | 1 | 5.40 | 2.40 | 0.20 | 2.59 | cum | 2659.00 | 6892.13 |
| 4 | 3.2 | Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. | | | | | | | | |
| | 1 | 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size). | 1 | 5.40 | 2.40 | 0.15 | 1.94 | cum | 4163.00 | 8092.87 |
| 5 | 3.12 | Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and plinth all complete: | | | | | | | | |
| | 1 | Thermo-Mechanically treated bars FE 415 | | | | | | | | |
| | | Steel @ 110 Kg | 1 | 110.00 | 1.94 | CUM | 213.84 | kg | 54.50 | 11654.28 |
| 6 | 2.1 | Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: | | | | | | | | |
| | 7 | Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ) | 1 | 5.40 | 2.40 | | 12.96 | sqm | 235.00 | 3045.60 |
| 7 | 7.5 | Brick work with modular fly-ash lime bricks (FaLG Bricks) conforming to IS:12894-2002 of class designation 4.0 in foundation and plinth in: | | | | | | | | |
| | 4 | Cement Mortar 1:6 (1 cement : 6 coarse sand) | 2 | 5.40 | 0.20 | 2.00 | 4.32 | | | |
| | | | 2 | 2.40 | 0.20 | 2.00 | 1.92 | | | |
| | | | | | | TOTAL: | 6.24 | cum | 3263.00 | 20361.12 |
| 8 | 11.3 | Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix: | | | | | | | | |
| | 11.3.4 | In Cement Mortar 1:6 (1 cement : 6 fine sand) | 2 | 5.40 | | 2.00 | 21.60 | | | |
| | | | 2 | 2.40 | | 2.00 | 9.60 | | | |
| | | | 2 | 5.20 | 2.40 | | 24.96 | | | |
| | | | | | | TOTAL: | 56.16 | sqm | 107.00 | 6009.12 |
| As per SOR 01.01.2015 Total Amount | | | | | | | | | | Rs: 61296.14 |
| SAY | | | | | | | | | | Rs: 61000.00 |

| DETAILED ESTIMATE FOR 50 BED PRE-MATRIC SC/ST HOSTEL | | | | | | | | | | | |
|--|----------|---|----|-------|---|-----|-------|-------|---------|----------|--|
| FOR TRIBAL DEVELOPMENT DEPARTMENT | | | | | | | | | | | |
| AS PER PWD BUILDING SOR, w.e.f. 01.01.2015 | | | | | | | | | | | |
| BORE WELL | | | | | | | | | | | |
| SN | REF | DESCRIPTION | NO | L | W | H/D | QTY | UNIT | RATE | AMOUNT | |
| 1 | 21.1 | Boring/drilling bore well perfectly vertical for the specified depth suitable to receive 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. | | | | | | | | | |
| | 21.1.1 | All types of soil | | | | | | | | | |
| | 21.1.1.3 | 150 mm dia. | 1 | 30.00 | | | 30.00 | metre | 339.00 | 10170.00 | |
| | 21.1.2 | Rocky strata including Boulders. | | | | | | | | | |
| | 21.1.2.3 | 150 mm dia. | 1 | 60.00 | | | 60.00 | metre | 396.00 | 23760.00 | |
| 2 | 21.2 | Boring/drilling bore well perfectly vertical for the specified depth suitable to receive 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 beyond 90 metre & upto 150 metre depth below ground level. | | | | | | | | | |
| | 21.2.1 | All types of soil | | | | | | | | | |
| | 21.2.1.3 | 150 mm dia. | 1 | 35.00 | | | 35.00 | metre | 371.00 | 12985.00 | |
| | 21.2.2 | Rocky strata including Boulders. | | | | | | | | | |
| | 21.2.2.3 | 150 mm dia. | 1 | 25.00 | | | 25.00 | metre | 424.00 | 10600.00 | |
| 3 | 21.4 | Supplying, assembling, lowering and fixing in vertical position in bore well unplasticized PVC medium well screen (RMS) slotted 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. | | | | | | | | | |
| | 21.4.3 | 150 mm nominal size dia. | 1 | 20.00 | | | 20.00 | metre | 546.00 | 10920.00 | |
| 4 | 21.11 | Providing and fixing suitable size threaded mild steel cap or spot welded plate to the top of bore well housing/ casing pipe, removable as per requirement, all complete for bore well of: | | | | | | | | | |
| | 21.11.3 | 150 mm dia | 1 | | | | 1.00 | each | 217.00 | 217.00 | |
| 5 | 21.12 | Providing and fixing M.S. clamp of required dia to the top of casing/ housing pipe of tube well as per IS: 2800 (part I), including necessary bolts & nuts of required size complete. | | | | | | | | | |
| | 21.12.3 | 150 mm clamp. | 1 | | | | 1.00 | each | 1055.00 | 1055.00 | |
| 6 | 21.17 | Carrying out the resistivity survey by VES method using Schlumberger configuration for locating the proper spot for drilling of tube well within the selected habitation, including photography, interpretation of resistivity data and submission of report in the desired format along with resistivity readings, necessary graph and photographs. (only successful point is payable) | | | | | | | | | |
| | | | 1 | | | | 1.00 | point | 1502.00 | 1502.00 | |
| Total as per SOR | | | | | | | | | Rs. | 71209.00 | |
| SAY | | | | | | | | | Rs. | 71000.00 | |

| DETAILED ESTIMATE FOR 50 BED PRE-MATRIC SC/ST HOSTEL FOR TRIBAL DEVELOPMENT DEPARTMENT AS PER PWD BUILDING SOR, w.o.f. 01.01.2015 SUBMERSIBLE PUMP | | | | | | | | | | | |
|---|---------|---|----|--------|---|-----|--------|-------|----------|----------|--|
| SN | REF | DESCRIPTION | NO | L | W | H/D | QTY | UNIT | RATE | AMOUNT | |
| 1 | 26.3 | Supplying, installation, testing and commissioning of submersible pump set for water supply system with submersible motor directly coupled to multi-stage submersible pump of specified discharge capacity head, delivery size in existing bore well including 2 sets of suitable size holding clamps made out of 60 mm X 6 mm MS flat, connection with suitable submersible cable of standard length etc. as required. | | | | | | | | | |
| | 26.3.4 | 3.0 HP, three phase | 1 | | | | 1.00 | Each | 22669.00 | 22669.00 | |
| 2 | 26.4 | Supplying and fixing of following sizes 'B' class G I pipe with welded steel flange of suitable size at both the end of every pipe length, fixing with submersible pump and lowering with the pump in the bore well including necessary rubber gasket, nuts & bolts etc. as required. | | | | | | | | | |
| | 26.4.4 | 60 mm dia | 1 | 110.00 | | | 110.00 | Metre | 382.00 | 42020.00 | |
| 3 | 26.11 | Supply, installation, testing and commissioning of 1-3 HP 1 phase submersible motor starter cum control wall/ floor mounted type made out of not less than 1.6 mm thick MS sheet and comprising of following panel mounting switchgears there in including connection inter-connection etc. as required. | | | | | | | | | |
| | | a) Phase Indicating lamps with fuses and toggle switches 1 set | | | | | | | | | |
| | | b) 1/2/3 HP 1 phase DOL starter with over load and no volt relay 1 No | | | | | | | | | |
| | | c) 32 A "C" curve TPMCB 1 No | | | | | | | | | |
| | | d) Voltmeter 0-250 V 1 set | | | | | | | | | |
| | | e) Ammeter 0-10 A 1 set. | 1 | | | | 1.00 | Each | 4125.00 | 4125.00 | |
| 4 | 26.12 | Supplying and fixing M.S. clamp 50 cm long made of 50mmx5mm thick M.S. Flat for holding the pipes and submerable pump set as required. | 1 | | | | 1.00 | metre | 314.00 | 314.00 | |
| 5 | 26.13 | Supplying and fixing 300 mm dia 2 mm thick M.S. sheet cover with 3 cm edge in two past on tube well bore pipe as required | 1 | | | | 1.00 | each | 393.00 | 393.00 | |
| 6 | 26.14 | Supplying, laying and fixing following size submersible cable along with GI/PVC/HDPC pipe line of laid in ground etc as required. | | | | | | | | | |
| | 26.14.3 | 3x4.0 sqmm | 1 | 140.00 | | | 140.00 | Metre | 99.00 | 13860.00 | |
| Total Amount as per SOR | | | | | | | | | Rs: | 83381.00 | |
| SAY | | | | | | | | | Rs. | 83000.00 | |


 Assistant Engineer
 1 of 1 Tribal Devel.
 Raigarh (C.G.)



DETAILED ESTIMATE FOR 50 BED PRE-MATRIC SC/ST HOSTEL

FOR TRIBAL DEVELOPMENT DEPARTMENT

AS PER PWD BUILDING SOR, w.e.f. 01.01.2015

SUMP WELL

| SN | REF | DESCRIPTION | NO | L | W | H/D | QTY | UNIT | RATE | AMOUNT |
|----|--------|---|----|--------|------|--------|-------|------|---------|----------|
| 1 | 1.1 | Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits. | | | | | | | | |
| | 1 | In all types of soils. | 1 | 5.40 | 2.40 | 2.10 | 27.22 | cum | 185.00 | 5034.96 |
| 2 | 1.6 | Extra for every additional lift of 1.5 m or part thereof. | | | | | | | | |
| | 1 | All types of soils | 1 | 5.40 | 2.40 | 0.60 | 7.78 | cum | 26.50 | 206.06 |
| 3 | 3.1 | Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. | | | | | | | | |
| | 2 | 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size). | 1 | 5.40 | 2.40 | 0.20 | 2.59 | cum | 2659.00 | 6892.13 |
| 4 | 3.2 | Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. | | | | | | | | |
| | 1 | 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size). | 1 | 5.40 | 2.40 | 0.16 | 2.07 | cum | 4163.00 | 8632.40 |
| 5 | 3.12 | Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and plinth all complete: | | | | | | | | |
| | 1 | Thermo-Mechanically treated bars FE 415 | | | | | | | | |
| | | Steel @ 110 Kg | 1 | 110.00 | 0.16 | CUM | 17.60 | kg | 54.50 | 959.20 |
| 6 | 2.1 | Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: | | | | | | | | |
| | 7 | Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ) | 1 | 5.40 | 2.40 | | 12.96 | sqm | 235.00 | 3045.60 |
| 7 | 7.5 | Brick work with modular fly-ash lime bricks (FaLG Bricks) conforming to IS:12894-2002 of class designation 4.0 in foundation and plinth in: | | | | | | | | |
| | 4 | Cement Mortar 1:6 (1 cement : 6 coarse sand) | 2 | 5.40 | 0.20 | 2.00 | 4.32 | | | |
| | | | 2 | 2.40 | 0.20 | 2.00 | 1.92 | | | |
| | | | | | | TOTAL: | 6.24 | cum | 3263.00 | 20361.12 |
| 8 | 11.3 | Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix: | | | | | | | | |
| | 11.3.4 | In Cement Mortar 1:6 (1 cement : 6 fine sand) | | | | | | | | |
| | | | 2 | 5.40 | | 2.00 | 21.60 | | | |
| | | | 2 | 2.40 | | 2.00 | 9.60 | | | |
| | | | 2 | 5.20 | 2.40 | | 24.96 | | | |
| | | | | | | TOTAL: | 56.16 | sqm | 107.00 | 6009.12 |
| 9 | 12.7 | Providing and fixing ceramic glazed wall tiles conforming to IS : 15622 of approved make, colours, shades and size on wall 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 matching pigment complete. | | | | | | | | |
| | 12.7.1 | Size upto 200x300mm | 2 | 5.40 | | 2.00 | 21.60 | | | |
| | | | 2 | 2.40 | | 2.00 | 9.60 | | | |

DETAILED ESTIMATE FOR 50 BED PRE-MATRIC SC/ST HOSTEL

FOR TRIBAL DEVELOPMENT DEPARTMENT

AS PER PWD BUILDING SOR, w.e.f. 01.01.2015

RAIN WATER HARVESTING

| SN | REF | DESCRIPTION | NO | L | W | H/D | QTY | UNIT | RATE | AMOUNT |
|----|----------|--|----|--------|------|------|--------|-------|---------|----------|
| 1 | 1.1 | Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits. | | | | | | | | |
| | 1 | In all types of soils. | 1 | 2.50 | 2.50 | 2.50 | 15.63 | cum | 185.00 | 2890.63 |
| 8 | 1.8 | Extra rate for quantity of work executed in or under foul condition. | 1 | 2.50 | 2.50 | 1.00 | 6.25 | cum | 44.00 | 275.00 |
| 9 | 21.9 | Gravel packing in tube well 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. | | | | | | | | |
| | | GRAVEL | 1 | 2.50 | 2.50 | 0.65 | 4.06 | | | |
| | | brick bed | 1 | 2.50 | 2.50 | 0.50 | 3.13 | | | |
| | | coarse sand | 1 | 2.50 | 2.50 | 0.30 | 1.88 | | | |
| | | fine sand | 1 | 2.50 | 2.50 | 0.30 | 1.88 | | | |
| | | | | | | | 10.94 | cum | 1048.00 | 11462.50 |
| 2 | 21.2 | Boring/drilling bore well perfectly vertical for the specified depth suitable to receive 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 beyond 90 metre & upto 150 metre depth below ground level. | | | | | | | | |
| | 21.2.1 | All types of soil | | | | | | | | |
| | 21.2.1.3 | 150 mm dia. metre 339.00 | 3 | 3.00 | | | 9.00 | metre | 371.00 | 3339.00 |
| 4 | 21.4 | Supplying, assembling, lowering and fixing in vertical position in bore well unplasticized PVC medium well screen (RMS) slotted 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. | | | | | | | | |
| | 21.4.3 | 150 mm nominal size dia. | 1 | 3.50 | | | 3.50 | metre | 546.00 | 1911.00 |
| 18 | 21.18 | Providing and fixing filter of minimum 100 litre capacity for roof top rain water harvesting through tube well consisting of two layered HDPE tank with five layers (each layers of minimum 100 mm) consist of coarse sand, 4mm, 6mm, 8mm & 12 mm gravels with stainless steel wire mesh fixed between each layer with suitable length and sufficient numbers of 110 mm dia PVC pipe pieces in the bottom of tank to support the above layer including fixing of inlet and outlet P.V.C. pipe of required diameter upto 2 metre length on each side, Cement Concrete platform of required size complete as directed by Engineer in charge. (excluding cost of tubewell and inlet and outlet pipe beyond 2 metre) | 1 | 200.00 | | | 200.00 | litre | 18.50 | 3700.00 |
| 19 | 21.19 | Providing and fixing 80-100 mm dia PVC ball valve for inlet/ outlet of rain water harvesting pipe and filter. | 2 | | | | 2.00 | each | 644.00 | 1288.00 |

DETAILED ESTIMATE FOR 50 BED PRE-MATRIC SC/ST HOSTEL


FOR TRIBAL DEVELOPMENT DEPARTMENT

As per PWD Building BOR - 01.01.2016, and Road BOR - 01.01.2016

CIVIL WORK FOR PERMANENT BED IN ROOMS

| SN | REF | DESCRIPTION | NO | L | W | H/D | QTY | UNIT | RATE | AMOUNT |
|----|--------|---|----|------|------|-------|-------|------|---------|---------|
| 1 | 7.5 | Brick work with modular fly-ash lime bricks (FALG Bricks) conforming to IS:12894-2002 of class designation 4.0 in foundation and plinth in: | | | | | | | | |
| | 4 | Cement Mortar 1:0 (1 cement : 0 coarse sand) | 2 | 0.05 | 0.20 | 0.30 | 0.11 | CUM | 3263.00 | 371.98 |
| 2 | 3.2 | Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. | | | | | | | | |
| | 1 | 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size). | 1 | 1.80 | 0.05 | 0.10 | 0.17 | CUM | 4163.00 | 711.87 |
| 3 | 3.4 | Extra for laying PCC/RCC of any grade in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and plinth: | 1 | 0.17 | | | 0.17 | cum | 97.50 | 16.67 |
| 4 | 3.12 | Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and plinth all complete: | | | | | | | | |
| | 1 | Thermo-Mechanically treated bars FE 415 wt. @ 80 kg/cum, | 1 | 0.17 | | 80.00 | 13.68 | kg | 54.50 | 745.56 |
| 5 | 2.1 | Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: | | | | | | | | |
| | 7 | Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ) | 1 | 1.40 | 0.95 | | 1.33 | | | |
| | | | 1 | 4.50 | 0.10 | | 0.45 | | | |
| | | | | | | | 1.78 | sqm | 235.00 | 418.30 |
| 6 | 12.9 | Providing and laying ceramic glazed floor tiles conforming to IS : 15622 of approved size, make, colour, shade laid on 20 mm thick Cement Mortar 1:4 (1 cement : 4 coarse sand) including pointing the joints with white cement mixed with matching pigment etc., complete. | | | | | | | | |
| | 12.9.1 | Size 300x300mm | 1 | 1.80 | 0.90 | | 1.62 | CUM | 692.00 | 1121.04 |
| 7 | 13.4 | 15mm thick Granite work (machine cut, table rubbed & mirror polished) for wall lining (veneer work) in cement mortar 1:3 (1 cement : 3 coarse sand) including pointing with cement mortar 1:2 (1 white cement: 2 marble dust) mixed with matching pigment. (Area of slab should be over 0.5 sqm). | | | | | | | | |
| | 13.4.1 | Granite stone grey/pink | | | | | | | | |
| | | SIDE LONG | 2 | 1.85 | | 0.15 | 0.56 | | | |
| | | SIDE LEG | 4 | 0.25 | | 0.37 | 0.37 | | | |
| | | END | 1 | 0.97 | | 0.47 | 0.46 | | | |
| | | INNER BOTTOM | 2 | 0.72 | | 0.37 | 0.53 | | | |
| | | PATTA | 2 | 1.80 | | 0.10 | 0.36 | | | |
| | | | 1 | 0.97 | | 0.10 | 0.10 | | | |
| | | | | | | | 2.37 | SQM | 1958.00 | 4641.83 |

| SN | REF | DESCRIPTION | NO | L | W | H/D | QTY | UNIT | RATE | AMOUNT |
|-----------------------|-------|---|----|------|---|-----|------|------|--------|-----------|
| 8 | 13.20 | Extra for fixing marble /granite stone in facia and drops of width upto 150 mm with epoxy resin based adhesive instead of cement mortar including cleaning etc. complete. | 2 | 1.80 | | | 3.60 | | | |
| | | | 1 | 0.97 | | | 0.97 | | | |
| | | | | | | | 4.57 | M | 257.00 | 1174.49 |
| 9 | 12.44 | Extra for nosing in Granite stone for treads. | 4 | 1.80 | | | 7.20 | | | |
| | | | 2 | 0.97 | | | 1.94 | | | |
| | | | | | | | 9.14 | SQM | 126.00 | 1151.64 |
| Cost of one bed | | | | | | | | | Rs: | 10353.39 |
| Total cost of 54 beds | | | | | | | | | | 559082.96 |
| SAY | | | | | | | | | Rs. | 559000.00 |


 Assistant Engineer
 Tribal Develp.
 Raigarh (C.G.)

DETAILED ESTIMATE FOR 50 BED PRE-MATRIC SC/ST HOSTEL

FOR TRIBAL DEVELOPMENT DEPARTMENT

AS PER PWD BUILDING SOR, w.e.f. 01.01.2015

CHAUKIDAR QUARTER

| SN | REF | DESCRIPTION | NO | L | W | H/D | QTY | UNIT | RATE | AMOUNT |
|----|------|--|----|------|------|------|-------|------|---------|----------|
| 1 | 1.1 | Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits. | | | | | | | | |
| | 1 | In all types of soils. | | | | | | | | |
| | | column | 8 | 1.20 | 1.20 | 1.20 | 13.82 | | | |
| | | | 2 | 8.30 | 0.25 | 0.20 | 0.83 | | | |
| | | | 4 | 3.30 | 0.25 | 0.20 | 0.66 | | | |
| | | | 1 | 1.80 | 0.25 | 0.20 | 0.09 | | | |
| | | | | | | | 15.40 | cum | 185.50 | 2848.74 |
| 2 | 1.17 | Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering with a lead upto 50 M. and lift upto 1.5 M. | | | | | | | | |
| | | | | | | | 15.40 | cum | 65.00 | 1001.24 |
| 3 | 1.18 | Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc. complete. | | | | | | | | |
| | | room | 1 | 3.30 | 2.10 | 0.90 | 6.24 | | | |
| | | bed room | 1 | 3.30 | 3.60 | 0.90 | 10.69 | | | |
| | | kitch | 1 | 2.20 | 1.80 | 0.90 | 3.56 | | | |
| | | toilet | 1 | 0.90 | 1.80 | 0.90 | 1.17 | | | |
| | | | | | | | 21.66 | cum | 371.00 | 8025.84 |
| 4 | 3.1 | Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. | | | | | | | | |
| | 3 | 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size). | | | | | | | | |
| | | column | 8 | 1.20 | 1.20 | 0.20 | 2.30 | | | |
| | | | 2 | 8.30 | 0.25 | 0.10 | 0.42 | | | |
| | | | 4 | 3.30 | 0.25 | 0.10 | 0.33 | | | |
| | | | 1 | 1.80 | 0.25 | 0.10 | 0.05 | | | |
| | | flooring, room | 1 | 3.30 | 2.10 | 0.10 | 0.69 | | | |
| | | bed room | 1 | 3.30 | 3.60 | 0.10 | 1.19 | | | |
| | | kitchen | 1 | 2.20 | 1.80 | 0.10 | 0.40 | | | |
| | | toilet & hand wash | 1 | 0.90 | 1.80 | 0.10 | 0.16 | | | |
| | | | | | | | 5.53 | cum | 2970.00 | 16433.01 |
| 5 | 3.2 | Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. | | | | | | | | |
| | 1 | 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size). | | | | | | | | |
| | | C1 | 8 | 1.00 | 1.00 | 0.15 | 1.20 | | | |
| | | trapezoid- F1, A1 = (1.1 x 1.1 = 1.21), A2 = (0.35 x 0.35 = 0.12), Am = (1.1 + 0.35)/2 x (1.1 + 0.35)/2 = 0.53, 1/6(A1 + A2 + 4Am) = 1.38 | 8 | 1.38 | | 0.30 | 3.31 | | | |
| | | Column in plinth - C1 | 8 | 0.20 | 0.20 | 1.10 | 0.35 | | | |
| | | plinth beam | 2 | 8.30 | 0.20 | 0.25 | 0.83 | | | |
| | | | 4 | 3.30 | 0.20 | 0.25 | 0.66 | | | |

| SN | REF | DESCRIPTION | NO | L | W | H/D | QTY | UNIT | RATE | AMOUNT |
|----|------|--|----|-------|-------|------|---------|------|---------|----------|
| | | | 1 | 1.80 | 0.20 | 0.25 | 0.09 | | | |
| | | column in superstructure | 8 | 0.20 | 0.20 | 3.00 | 0.96 | | | |
| | | lintel beam | 2 | 8.30 | 0.20 | 0.30 | 1.00 | | | |
| | | | 4 | 3.30 | 0.20 | 0.30 | 0.79 | | | |
| | | | 1 | 1.80 | 0.20 | 0.30 | 0.11 | | | |
| | | chhajja | 3 | 1.50 | 0.60 | 0.12 | 0.32 | | | |
| | | | 1 | 0.75 | 0.60 | 0.12 | 0.05 | | | |
| | | slab beam | 2 | 8.30 | 0.20 | 0.30 | 1.00 | | | |
| | | | 4 | 3.30 | 0.20 | 0.30 | 0.79 | | | |
| | | | 1 | 1.80 | 0.20 | 0.30 | 0.11 | | | |
| | | slab | 1 | 3.30 | 2.10 | 0.12 | 0.83 | | | |
| | | bed room | 1 | 3.30 | 3.60 | 0.12 | 1.43 | | | |
| | | kitchen | 1 | 2.20 | 1.80 | 0.12 | 0.48 | | | |
| | | toilet | 1 | 0.90 | 1.80 | 0.12 | 0.19 | | | |
| | | | | | | | 14.50 | cum | 4163.00 | 60366.83 |
| 6 | 3.4 | Extra for laying PCC/RCC of any grade in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and plinth: | 1 | 14.50 | | | 14.50 | cum | 97.50 | 1413.83 |
| 7 | 3.12 | Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and plinth all complete: | | | | | | | | |
| | 1 | Thermo-Mechanically treated bars FE 415 wt. @ 80 kg/cum, | 1 | 14.50 | 80.00 | | 1160.06 | kg | 54.50 | 63223.49 |
| 8 | 2.1 | Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: | | | | | | | | |
| | 1 | Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level. | | | | | | | | |
| | | Column C1 | 16 | 1.10 | | 0.20 | 3.52 | | | |
| | | | 16 | 1.10 | | 0.20 | 3.52 | | | |
| | | plinth beam | 2 | 8.30 | 0.20 | | 3.32 | | | |
| | | | 2 | 8.30 | 0.25 | | 4.15 | | | |
| | | | 4 | 3.30 | 0.20 | | 2.64 | | | |
| | | | 4 | 3.30 | 0.25 | | 3.30 | | | |
| | | | 1 | 1.80 | 0.20 | | 0.36 | | | |
| | | | 2 | 1.80 | 0.25 | | 0.90 | | | |
| | | | | | | | 21.71 | sqm | 139.00 | 3017.69 |
| 5 | | Columns, Pillars, Piers and likes- rectangular or square in shape | | | | | | | | |
| | | C1 | 16 | 0.90 | | 0.20 | 2.88 | | | |
| | | | 16 | 0.90 | | 0.20 | 2.88 | | | |
| | | | 16 | 3.00 | | 0.20 | 9.60 | | | |
| | | | 16 | 3.00 | | 0.20 | 9.60 | | | |
| | | | | | | | 24.96 | sqm | 297.00 | 7413.12 |
| 7 | | Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ) | | | | | | | | |
| | | room | 1 | 3.30 | 2.10 | | 6.93 | | | |
| | | bed room | 1 | 3.30 | 3.60 | | 11.88 | | | |
| | | kitchen | 1 | 2.20 | 1.80 | | 3.96 | | | |
| | | toilet | 1 | 0.90 | 1.80 | | 1.62 | | | |
| | | | | | | | 24.39 | sqm | 235.00 | 5731.65 |
| 8 | | Beams, lintels, cantilevers & walls | | | | | | | | |
| | | | 2 | 8.30 | 0.20 | | 3.32 | | | |
| | | | 2 | 8.30 | 0.20 | | 3.32 | | | |
| | | | 4 | 3.30 | 0.20 | | 2.64 | | | |
| | | | 4 | 3.30 | 0.20 | | 2.64 | | | |

| SN | REF | DESCRIPTION | NO | L | W | H/D | QTY | UNIT | RATE | AMOUNT |
|----|------|---|----|-------|------|-------|--------|------|----------|----------|
| | | | 1 | 1.80 | 0.20 | | 0.36 | | | |
| | | | 2 | 1.80 | 0.20 | | 0.72 | | | |
| | | intel | 1 | 30.20 | 0.60 | | 18.12 | | | |
| | | front | 1 | 1.50 | 0.60 | | 0.90 | | | |
| | | side left | 1 | 1.50 | 0.60 | | 0.90 | | | |
| | | back | 1 | 1.50 | 0.60 | | 0.90 | | | |
| | | | 1 | 0.75 | 0.60 | | 0.45 | | | |
| | | slab beam | 2 | 8.30 | 0.20 | | 3.32 | | | |
| | | | 2 | 8.30 | 0.30 | | 4.98 | | | |
| | | | 4 | 3.30 | 0.20 | | 2.64 | | | |
| | | | 4 | 3.30 | 0.30 | | 3.96 | | | |
| | | | 1 | 1.80 | 0.20 | | 0.36 | | | |
| | | | 2 | 1.80 | 0.30 | | 1.08 | | | |
| | | | 4 | 3.20 | 0.40 | | 5.12 | | | |
| | | | | | | | 55.73 | sqm | 202.00 | 11267.40 |
| 9 | 7.5 | Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in oundation and plinth in: | | | | | | | | |
| | 4 | Cement Mortar 1:6 (1 cement : 6 coarse sand) | | | | | | | | |
| | | in plinth | 2 | 8.00 | 0.20 | 0.90 | 2.88 | | | |
| | | | 2 | 3.30 | 0.20 | 0.90 | 1.19 | | | |
| | | | | | | A = | 4.07 | | | |
| | | in supstructure | 2 | 8.00 | 0.20 | 2.80 | 8.96 | | | |
| | | | 4 | 3.30 | 0.20 | 2.80 | 7.39 | | | |
| | | | 1 | 1.80 | 0.20 | 2.80 | 1.01 | | | |
| | | deduct D | 3 | 1.00 | 0.20 | 2.10 | -1.26 | | | |
| | | D1 | 1 | 0.75 | 0.20 | 2.10 | -0.32 | | | |
| | | window | 3 | 1.20 | 0.20 | 1.21 | -0.87 | | | |
| | | | 1 | 0.90 | 0.20 | 0.60 | -0.11 | | | |
| | | | | | | B = | 14.81 | | | |
| | | | | | | A+B = | 18.87 | cum | 3263.00 | 61686.21 |
| 10 | 7.6 | Extra for brick work in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and plinth: | 1 | 14.81 | | | 14.81 | cum | 121.00 | 1791.60 |
| 11 | 8.1 | Providing wood work in frames of doors, windows, clerestory windows and other frames wrought framed and fixed in position. | | | | | | | | |
| | 2 | Sal, bijasal, benteak, khair, haldu | | | | | | | | |
| | | D | 3 | 5.10 | 0.13 | 0.07 | 0.14 | | | |
| | | D1 | 1 | 4.95 | 0.13 | 0.07 | 0.05 | | | |
| | | | | | | | 0.18 | cum | 61051.00 | 11250.17 |
| 12 | 8.12 | Providing and fixing flush door shutters, conforming to IS : 2202 (Part-I), decorative type core of block board construction with frame of first class hard wood and well matched teak ply veneering with vertical grains or cross bands and face veneers on both faces of shutters excluding hinges. | | | | | | | | |
| | 1 | 40 mm, thick (single leaf) | | | | | | | | |
| | | D | 3 | 0.90 | | 2.10 | 5.67 | | | |
| | | D1 | 1 | 0.75 | | 2.10 | 1.58 | | | |
| | | | | | | | 7.25 | sqm | 2467.00 | 17873.42 |
| 13 | 9.14 | Providing and fixing steel door made of angle iron of suitable sizes with M.S. grill of approved pattern made of M.S. flats or square or round bars coat of red oxide zinc chromate primer. | | | | | | | | |
| | | grill wt @ 25 Kg/sqm W | 3 | 1.20 | 1.20 | 25.00 | 108.00 | | | |
| | | V | 1 | 0.90 | 0.60 | 25.00 | 13.50 | | | |
| | | | | | | | 121.50 | kg | 79.50 | 9659.25 |

| SN | REF | DESCRIPTION | NO | L | W | H/D | QTY | UNIT | RATE | AMOUNT |
|----|---------|--|-----|--------|------|------|--------|------|--------|----------|
| 14 | 11.1 | Providing and making 6mm thick cement plaster of mix: | | | | | | | | |
| | 2 | In Cement mortar 1:4 (1 cement : 4 fine sand) | | | | | | | | |
| | | room | 1 | 3.30 | 2.10 | | 6.93 | | | |
| | | bed room | 1 | 3.30 | 3.60 | | 11.88 | | | |
| | | kitchen | 1 | 2.20 | 1.80 | | 3.96 | | | |
| | | toilet | 1 | 0.90 | 1.80 | | 1.62 | | | |
| | | | | | | | 24.39 | sqm | 87.00 | 2121.93 |
| 15 | 11.2 | Providing and making 12mm thick cement plaster of mix: | | | | | | | | |
| | 4 | In Cement Mortar 1:6 (1 cement : 6 fine sand) | | | | | | | | |
| | | room | 2 | 3.30 | | 3.00 | 19.80 | | | |
| | | | 2 | 2.50 | | 3.00 | 15.00 | | | |
| | | bed room | 2 | 3.30 | | 3.00 | 19.80 | | | |
| | | | 2 | 3.60 | | 3.00 | 21.60 | | | |
| | | kitchen | 2 | 2.20 | | 3.00 | 13.20 | | | |
| | | | 2 | 1.80 | | 3.00 | 10.80 | | | |
| | | toilet | 2 | 0.90 | | 3.00 | 5.40 | | | |
| | | | 2 | 1.80 | | 3.00 | 10.80 | | | |
| | | deduct D | 3 | 0.90 | | 2.10 | -5.67 | | | |
| | | D1 | 1 | 0.75 | | 2.10 | -1.58 | | | |
| | | W1 | 3 | 1.20 | | 1.21 | -4.36 | | | |
| | | V1 | 1 | 0.75 | | 0.60 | -0.45 | | | |
| | | | | | | | 104.35 | sqm | 91.50 | 9547.93 |
| 16 | 11.3 | Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix: | | | | | | | | |
| | 4 | In Cement Mortar 1:6 (1 cement : 6 fine sand) | | | | | | | | |
| | | | 2 | 8.00 | | 3.00 | 48.00 | | | |
| | | | 2 | 3.30 | | 3.00 | 19.80 | | | |
| | | | | | | | 67.80 | sqm | 107.00 | 7254.60 |
| 17 | 12.12 | Providing and laying vitrified floor tiles with soluble salt printing, of size 600x600mm with water absorption less than 0.5% and onforming to IS : 15622 of approved make, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc. complete. | sqm | 963.00 | | | | | | |
| | | room | 1 | 3.30 | 2.10 | | 6.93 | | | |
| | | bed room | 1 | 3.30 | 3.60 | | 11.88 | | | |
| | | kitchen | 1 | 2.20 | 1.80 | | 3.96 | | | |
| | | toilet | 1 | 0.90 | 1.80 | | 1.62 | | | |
| | | | | | | | 24.39 | sqm | 963.00 | 23487.57 |
| 18 | 14.9 | Distempering with acrylic washable distemper to give an even shade. | | | | | | | | |
| | 14.9.1 | On new work (Two or more coats) | | | | | | | | |
| | | 6 mm plaster | 1 | 24.39 | | | 24.39 | | | |
| | | 12 mm plaster | 1 | 104.35 | | | 104.35 | | | |
| | | | | | | | 128.74 | sqm | 38.00 | 4892.08 |
| 19 | 14.14 | Finishing walls with water proofing cement paint of required shade to give an even shade. | | | | | | | | |
| | 14.14.1 | On new work (Two or more coats applied @ 3.84 kg/10-sqm) | | | | | | | | |
| | | 15 mm plaster | 1 | 67.80 | | | 67.80 | sqm | 41.00 | 2779.80 |
| 20 | 14.22 | Painting on new work (two or more coats) to give an even shade with: | | | | | | | | |
| | 14.22.1 | Satin synthetic enamel paint | W | 6 | 1.20 | 1.20 | 8.64 | | | |

DETAILED ESTIMATE FOR 50 BED PRE-MATRIC SC/ST HOSTEL
FOR TRIBAL DEVELOPMENT DEPARTMENT
 As per PWD Building SOR - 01.01.2015
BOUNDARY WALL

| SN | REF | DESCRIPTION | NO | L | W | H/D | QTY | UNIT | RATE | AMOUNT |
|----|------|---|------|-------|------|------|--------|------|---------|----------|
| 1 | 1.4 | Clearing jungle including uprooting of rank vegetation, grass, brush wood, lianas and saplings of girth upto 30 cm measured at a height of 1 m above ground level and removal of rubbish upto a distance of 50 m outside the periphery of the area cleared. | | | | | | | | |
| | | | 1 | 15.25 | 1.20 | | 18.30 | sqm | 3.70 | 67.71 |
| 2 | 1.1 | Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m leveling of pits, including dressing and | | | | | | | | |
| | 1 | In all types of soils, | | | | | | | | |
| | | COLUMN | 4 | 1.50 | 1.50 | 1.50 | 13.50 | | | |
| | | DOUBLE COLUMN (EXPANSION) | 1 | 2.00 | 1.50 | 1.50 | 4.50 | | | |
| | | SOLING | 1 | 8.95 | 0.30 | 0.20 | 0.54 | | | |
| | | | | | | | 18.54 | cum | 185.00 | 3429.35 |
| 3 | 1.10 | Providing and filling in plinth with sand/ Crusher dust and hard morum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc. complete. | | | | | | | | |
| | | COLUMN | 4 | 1.50 | 1.50 | 1.50 | 0.10 | | | |
| | | DOUBLE COLUMN (EXPANSION) | 1 | 2.00 | 1.50 | 1.50 | 0.10 | | | |
| | | | | | | | 0.20 | cum | 371.00 | 74.20 |
| 4 | 3.1 | Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. | | | | | | | | |
| | 3 | 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size). | | | | | | | | |
| | | COLUMN | 4 | 1.50 | 1.50 | 0.10 | 0.90 | | | |
| | | DOUBLE COLUMN (EXPANSION) | 1 | 2.00 | 1.50 | 0.10 | 0.30 | | | |
| | | SOLING | 1 | 8.95 | 0.30 | 0.10 | 0.27 | | | |
| | | | | | | | 1.47 | cum | 2970.00 | 4361.45 |
| 5 | 3.3 | Providing and laying design mix reinforced cement concrete with crushed graded stone aggregate 20mm nominal size using batching plant, transit mixer and concrete pump, in all works upto plinth level excluding cost of form work. | | | | | | | | |
| | 1 | M-20 Grade | | | | | | | | |
| | | COLUMN | 4 | 1.40 | 1.40 | 0.20 | 1.57 | | | |
| | | DOUBLE COLUMN (EXPANSION) | 1 | 1.80 | 1.40 | 0.20 | 0.50 | | | |
| | | COLUMN BELOW PLINTH BEAM | 6 | 0.20 | 0.30 | 0.80 | 0.29 | | | |
| | | | | | | A | 2.36 | | | |
| | | PLINTH BEAM | 1 | 15.25 | 0.20 | 0.30 | 0.92 | | | |
| | | COLUMN ABOVE PLINTH BEAM | 6 | 0.20 | 0.30 | 2.10 | 0.76 | | | |
| | | | | | | B | 1.67 | | | |
| | | | | | | A+B | 4.03 | cum | 4231.00 | 17055.16 |
| 6 | 3.12 | Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and plinth all complete | | | | | | | | |
| | 1 | Thermo-Mechanically treated bars FE 415 | 4.03 | 90.00 | | | 362.79 | kg | 54.50 | 19772.06 |

| SN | REF | DESCRIPTION | NO | L | W | H/D | QTY | UNIT | RATE | AMOUNT |
|----|--------|--|----|-------|------|------|-------|------|---------|----------|
| 7 | 2.1 | Providing and fixing form work including centring, shuttering, foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level. | | | | | | | | |
| | 1 | | | | | | | | | |
| | | COLUMN | 16 | 1.40 | | 0.20 | 4.48 | | | |
| | | DOUBLE COLUMN (EXPANSION) | 2 | 1.80 | | 0.20 | 0.72 | | | |
| | | | 2 | | 1.40 | 0.20 | 0.56 | | | |
| | | COLUMN | 6 | | 1.40 | 0.80 | 6.72 | | | |
| | | COLUMN BELOW PLINTH BEAM | 2 | 15.25 | 0.30 | | 9.15 | | | |
| | | | | | | | 21.63 | sqm | 139.00 | 3006.57 |
| 5 | | Columns, Pillars, Piers and likes- rectangular or square in shape | | | | | | | | |
| | | COLUMN ABOVE PLINTH | 6 | 1.00 | | 2.10 | 12.60 | | | |
| | | COPING | 2 | 15.25 | | 0.05 | 1.53 | | | |
| | | | | | | | 14.13 | sqm | 297.00 | 4195.13 |
| 8 | 3.1 | Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. | | | | | | | | |
| | 5 | 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size). | | | | | | | | |
| | | COPING | 1 | 15.25 | 0.30 | 0.05 | 0.23 | cum | 4073.00 | 931.70 |
| 9 | 7.5 | Brick work with modular fly-ash lime bricks (FaLG Bricks) conforming to IS:12894-2002 of class designation 4.0 in foundation and plinth in: | | | | | | | | |
| | 4 | Cement Mortar 1:6 (1 cement : 6 coarse sand) | | | | | | | | |
| | | FOUNDATION | 1 | 15.25 | 0.20 | 0.10 | 0.31 | | | |
| | | DEDUCTION | 6 | 0.20 | 0.20 | 0.10 | -0.02 | | | |
| | | | | | | | 0.28 | cum | 3263.00 | 916.90 |
| | | SUPER STRUCTURE | 1 | 15.25 | 0.20 | 1.50 | 4.58 | | | |
| | | DEDUCTION | 6 | 0.20 | 0.20 | 1.50 | -0.36 | | | |
| | | | | | | | 4.22 | cum | 3384.00 | 14263.56 |
| 10 | 1.17 | Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering with a lead upto 50 M. and lift upto 1.5 M. | | | | | | | | |
| | | Column | 4 | 1.50 | 1.50 | 1.50 | 13.50 | | | |
| | | double column | 1 | 2.10 | 1.50 | 1.50 | 4.73 | | | |
| | | deduct | | | | | | | | |
| | | sand filling | 4 | 1.20 | 1.20 | 0.10 | -0.58 | | | |
| | | double column | 1 | 1.50 | 1.20 | 0.10 | -0.18 | | | |
| | | column base | 4 | 1.20 | 1.20 | 0.10 | -0.58 | | | |
| | | double column | 1 | 1.50 | 1.20 | 0.10 | -0.18 | | | |
| | | | | | | | 16.71 | cum | 65.00 | 1086.35 |
| 11 | 11.2 | Providing and making 12mm thick cement plaster of mix: | | | | | | | | |
| | 11.2.4 | In Cement Mortar 1:6 (1 cement : 6 fine sand) | 1 | 15.25 | | 1.90 | 28.98 | | | |
| | | | 1 | 15.25 | | 0.30 | 4.58 | | | |
| | | column | 6 | 0.80 | | 0.60 | 2.88 | | | |
| | | | | | | | 36.43 | sqm | 91.50 | 3333.35 |
| 12 | 11.3 | Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix: | | | | | | | | |
| | 11.3.4 | In Cement Mortar 1:6 (1 cement : 6 fine sand) | 1 | 15.25 | | 1.90 | 28.98 | | | |
| | | column | 6 | 0.20 | | 0.60 | 0.72 | | | |
| | | | | | | | 29.70 | sqm | 107.00 | 3177.37 |

DETAILED ESTIMATE FOR 50 BED PRE-MATRIC SC/ST HOSTEL

FOR TRIBAL DEVELOPMENT DEPARTMENT
AS PER PWD BUILDING SOR, w.o.f. 01.01.2015

DRAIN

| SN | REF | DESCRIPTION | NO | L | W | H/D | QTY | UNIT | RATE | AMOUNT |
|--|--------|---|------|-------|------|------|-------|------|---------|---------------|
| (ESTIMATE FOR STANDARD LENGTH OF 10 M) | | | | | | | | | | |
| 1 | 1.1 | Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits. In all types of soils. | | | | | | | | |
| | 1 | | 1 | 10.00 | 0.80 | 0.60 | 4.80 | cum | 185.00 | 888.00 |
| 2 | 1.26 | Carriage by mechanical transport upto 5 km lead | | | | | | | | |
| | 1.26.1 | Earth | | | | | 4.80 | cum | 111.00 | 532.80 |
| 3 | 3.1 | Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. | | | | | | | | |
| | 2 | 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size). | 1 | 10.00 | 0.80 | 0.10 | 0.80 | cum | 2659.00 | 2127.20 |
| 4 | 3.2 | Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. | | | | | | | | |
| | 1 | 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size). | | | | | | | | |
| | | Drain base | | | | | | | | |
| | | Walls | 1 | 10.00 | 0.50 | 0.10 | 0.50 | | | |
| | | Cover | 2 | 10.00 | 0.10 | 0.45 | 0.90 | | | |
| | | | 1 | 10.00 | 0.50 | 0.10 | 0.50 | | | |
| | | | | | | | 1.90 | cum | 4163.00 | 7909.70 |
| 5 | 1.17 | Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering with a lead upto 50 M. and lift upto 1.5 M.: | 2.00 | 10.00 | 0.15 | 0.55 | 1.65 | cum | 65.00 | 107.25 |
| 6 | 3.12 | Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of blinding wire in foundation and plinth all complete: | | | | | | | | |
| | 1 | Thermo-Mechanically treated bars FE 415 | | | | | | | | |
| | | Wt of steel @ 50 kg/cum | 50 | 1.90 | | | 95.00 | kg | 54.50 | 5177.50 |
| 7 | 2.1 | Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: | | | | | | | | |
| | 1 | Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level. | | | | | | | | |
| | | wall inner side | 2 | 10.00 | | 0.45 | 9.00 | | | |
| | | wall outer side | 2 | 10.00 | | 0.55 | 11.00 | | | |
| | | cover | 1 | 10.00 | 0.30 | | 3.00 | | | |
| | | base sides | 2 | 10.00 | | 0.10 | 2.00 | | | |
| | | | | | | | 25.00 | sqm | 139.00 | 3475.00 |
| As per SOR Total Amount | | | | | | | | | | Rs: 20217.45 |
| Cost of 10 M long Drain | | | | | | | | | | Rs: 20217.45 |
| Cost per meter | | | | | | | | | | 2021.75 |
| Total cost of 80 m length | | | | | | | | | | 202174.50 |
| SAY | | | | | | | | | | Rs. 202000.00 |

Assistant Engineer
Tribal Devel.
Raigarh (C.G.)

DETAILED ESTIMATE FOR 50 BED PRE-MATRIC SC/ST HOSTEL

FOR TRIBAL DEVELOPMENT DEPARTMENT
As per PWD Building SOR - 01.01.2015, and Road SOR - 01.01.2015
PAVED ENTRANCE

| SN | REF | DESCRIPTION | NO | L | W | HD | QTY | UNIT | RATE | AMOUNT |
|--|---------|--|----|-------|------|------|-------|------|---------|----------|
| (ESTIMATE FOR STANDARD LENGTH OF 10 M) | | | | | | | | | | |
| A:- Items as per Building SOR | | | | | | | | | | |
| 1 | 1.1 | Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and load upto 20M (at least 2m away from the excavated area), including dressing and leveling of pits. | | | | | | | | |
| | 1 | In all types of soils. | | | | | | | | |
| | | Side walks | 2 | 10.00 | 0.50 | 0.60 | 8.00 | | | |
| | | Pathway | 1 | 10.00 | 4.60 | 0.15 | 8.90 | | | |
| | | | | | | | 12.90 | cum | 185.00 | 2386.50 |
| 2 | 1.17 | Filling from available excavated stuff (Excluding rock) in trenches, plinth sides of foundation etc. in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering with a load upto 20 M. and lift upto 1.5 M. | 2 | 10.00 | 0.15 | 0.45 | 1.35 | cum | 65.00 | 87.75 |
| 4 | 3.1 | Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. | | | | | | | | |
| | 2 | 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size). | 2 | 10.00 | 0.50 | 0.15 | 1.50 | cum | 2659.00 | 3988.50 |
| | 5 | 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size). | | | | | | | | |
| | | For coping on walks | 2 | 10.00 | 0.20 | 0.05 | 0.20 | cum | 4073.00 | 814.60 |
| 5 | 7.5 | Brick work with modular fly-ash lime bricks (FALG Bricks) conforming to IS 12894-2002 of class designation 4.0 in foundation and plinth in: | | | | | | | | |
| | 4 | Cement Mortar 1:6 (1 cement : 6 coarse sand) | 2 | 10.00 | 0.20 | 1.00 | 4.00 | cum | 3283.00 | 13052.00 |
| 6 | 11.2 | Providing and making 12mm thick cement plaster of mix: | | | | | | | | |
| | 11.2.4 | In Cement Mortar 1:6 (1 cement : 6 fine sand) | 2 | 10.00 | | 0.55 | 11.00 | sqm | 91.50 | 1006.50 |
| 7 | 11.3 | Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix: | | | | | | | | |
| | 11.3.4 | In Cement Mortar 1:6 (1 cement : 6 fine sand) | 2 | 10.00 | | 0.50 | 10.00 | sqm | 107.00 | 1070.00 |
| 8 | 14.15 | Painting exterior surface with ACRYLIC SMOOTH exterior paint of required shade as per manufacturer's specifications to give protective and decorative finish including cleaning washing of surface etc. complete with: | | | | | | | | |
| | 14.15.1 | On new work (Two or more coats applied @ 1.43 lit/ 10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm) | 2 | 10.00 | | 1.00 | 20.00 | sqm | 56.00 | 1120.00 |
| | | External side | | | | | | | | |
| 9 | 12.65 | Providing & laying 60mm thick precast interlocking concrete blocks of approved size (approx 305 sqcm) and shape pattern, over 40 mm thick average complete coarse sand bed with joints of 3mm thick filled by fine sand including leveling with surface vibrator, tamping and sweeping etc. complete of minimum compressive strength of 250 kg/sq.cm | | | | | | | | |

| SN | REF | DESCRIPTION | NO | L | M | HED | QTY | UNIT | RATE | AMOUNT |
|---|------|--|----|-------|------|------|-------|------|--------|----------|
| 12.65.1 | | Plant nominal coloured precast interlock concrete blocks | 1 | 11.00 | 4.50 | | 45.00 | sqm | 435.00 | 20556.00 |
| B - Items as per Road SOR | | | | | | | | | | |
| A = Total as per Building SOR Rs. 43551.85 | | | | | | | | | | |
| 12 | 3.12 | Construction of embankment with Material Obtained from Borrow Pit/Borrow Area (Construction of embankment with approved material/selected soil having C.B.R. >5 (unless specified otherwise in the contract) obtained from borrow pits to required slope and compacting to meet requirement of table 306-2) 1000mm wide x 500mm high. Average height = $1/2 \times 0.55 = 0.25$ | 2 | 10.00 | 2.00 | 0.50 | 20.00 | Cum. | 223.00 | 4460.00 |
| 1 | 4.1 | Granular Sub-base as per Table - 405-1 Construction of granular sub-base by providing graded Material, carriage of mixed Material to work site, spreading in uniform layers with motor grader on prepared surface watering, rolling and compacting with vibratory power roller at OMC to achieve the desired density, complete as per clause 401 | | | | | | | | |
| | B | By Mix in place method Disintegrated rock i.e. monum having CBR value not less than 20 and P.I. and L.L. not more than 6 and 20 respectively. (For Village roads only) | 1 | 10.00 | 4.50 | 0.60 | 27.60 | Cum. | 450.00 | 12396.00 |
| B = Total as per Road SOR Rs. 17156.00 | | | | | | | | | | |
| Sub-Total (A + B) 60737.85 | | | | | | | | | | |
| Cost of 10 M long Pathway Rs: 60737.85 | | | | | | | | | | |
| Cost per meter 6073.79 | | | | | | | | | | |
| Total cost of 30 m length 182213.55 | | | | | | | | | | |
| SAY Rs. 182000.00 | | | | | | | | | | |


 Assistant Engineer
 Tribal Devel.
 Raigarh (C.G.)

AREA STATEMENT :-
BUILT UP AREA OF GROUND FLOOR 1108 SQM
POURCH 25.5 SQM

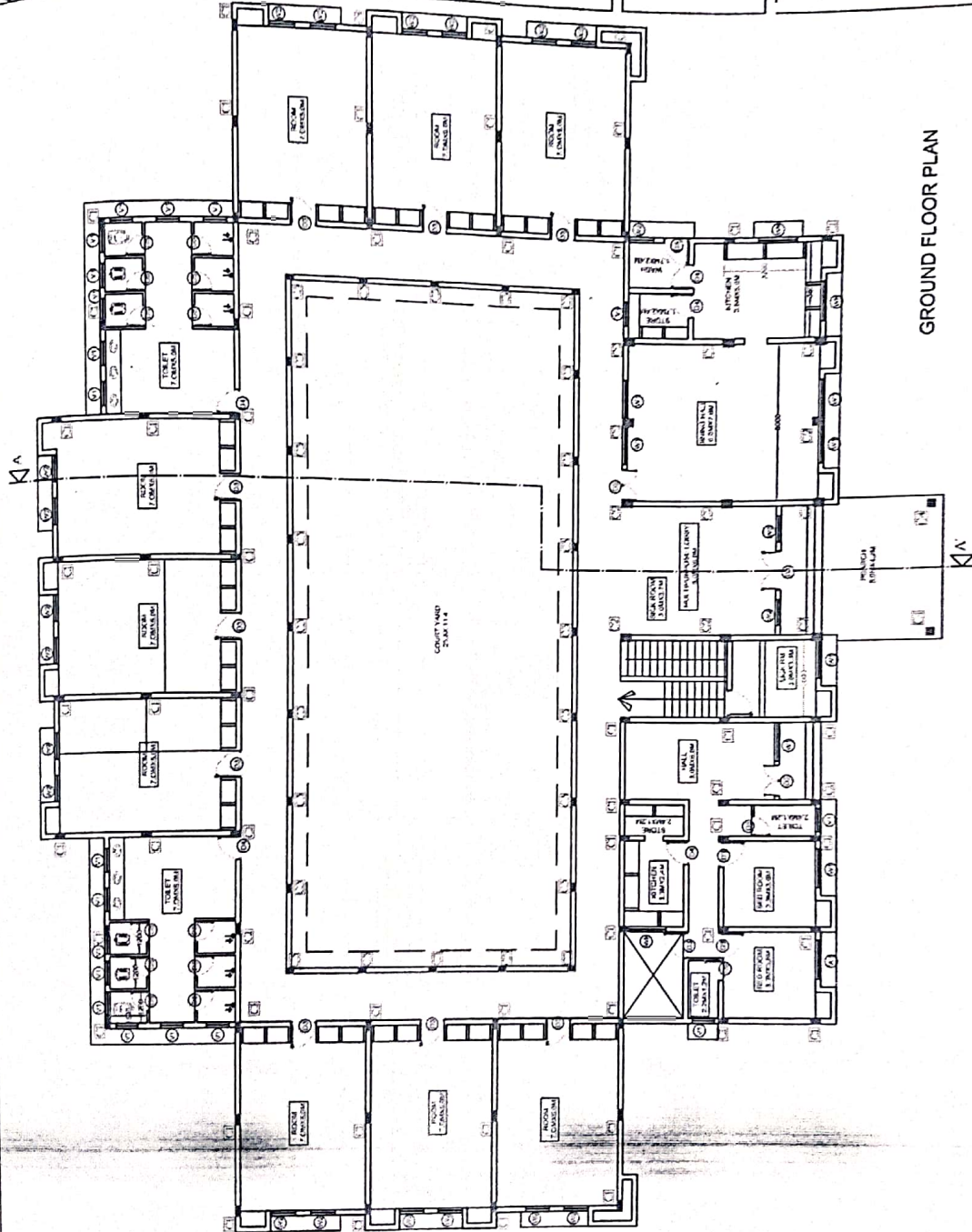
| DOOR SCHEDULE | | | |
|---------------|-------|--------|--------|
| TYPE | WIDTH | HEIGHT | REMARK |
| D1 | 1500 | 2100 | |
| D2 | 1200 | 2100 | |
| D3 | 1000 | 2100 | |
| D4 | 900 | 2100 | |
| D5 | 750 | 2100 | |

| WINDOW SCHEDULE | | | |
|-----------------|-------|------|--------|
| TYPE | WIDTH | SILL | HEIGHT |
| W1 | 1500 | 800 | 2100 |
| W2 | 1000 | 800 | 2100 |
| W3 | 1500 | 1200 | 2100 |
| W4 | 900 | 800 | 2100 |

PROPOSED 50 BEDED PRE-METRIC
ST BOYS HOSTEL

CONSULTANT :

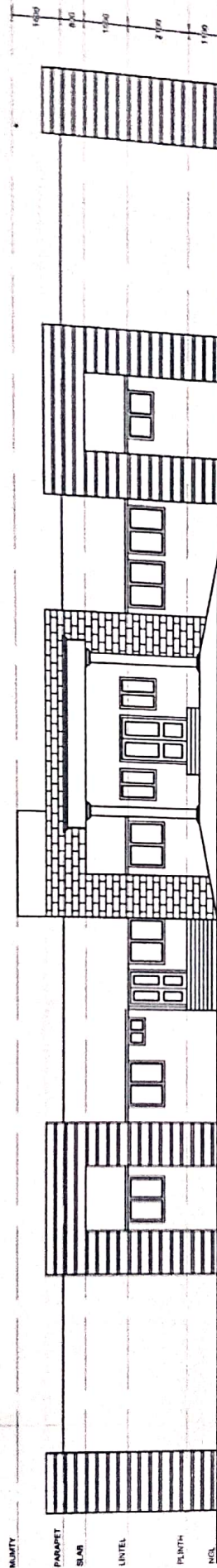
BHARTI AND ASSOCIATES
NEAR LIFE WORTH HOSPITAL,
SAMTA COLONY, RAIPUR
cell : 94252 14343



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PROPOSED 50 BED PRE-METRIC
ST BOYS HOSTEL

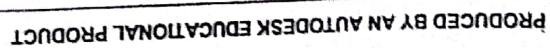
FRONT ELEVATION

CONSULTANT
BHARTI AND ASSOCIATES
NEAR LBS NORTH CAMPUS
SANTA CLAYTON PARK
cell 94253 11343
mail bharti@bhartiandassociates.com

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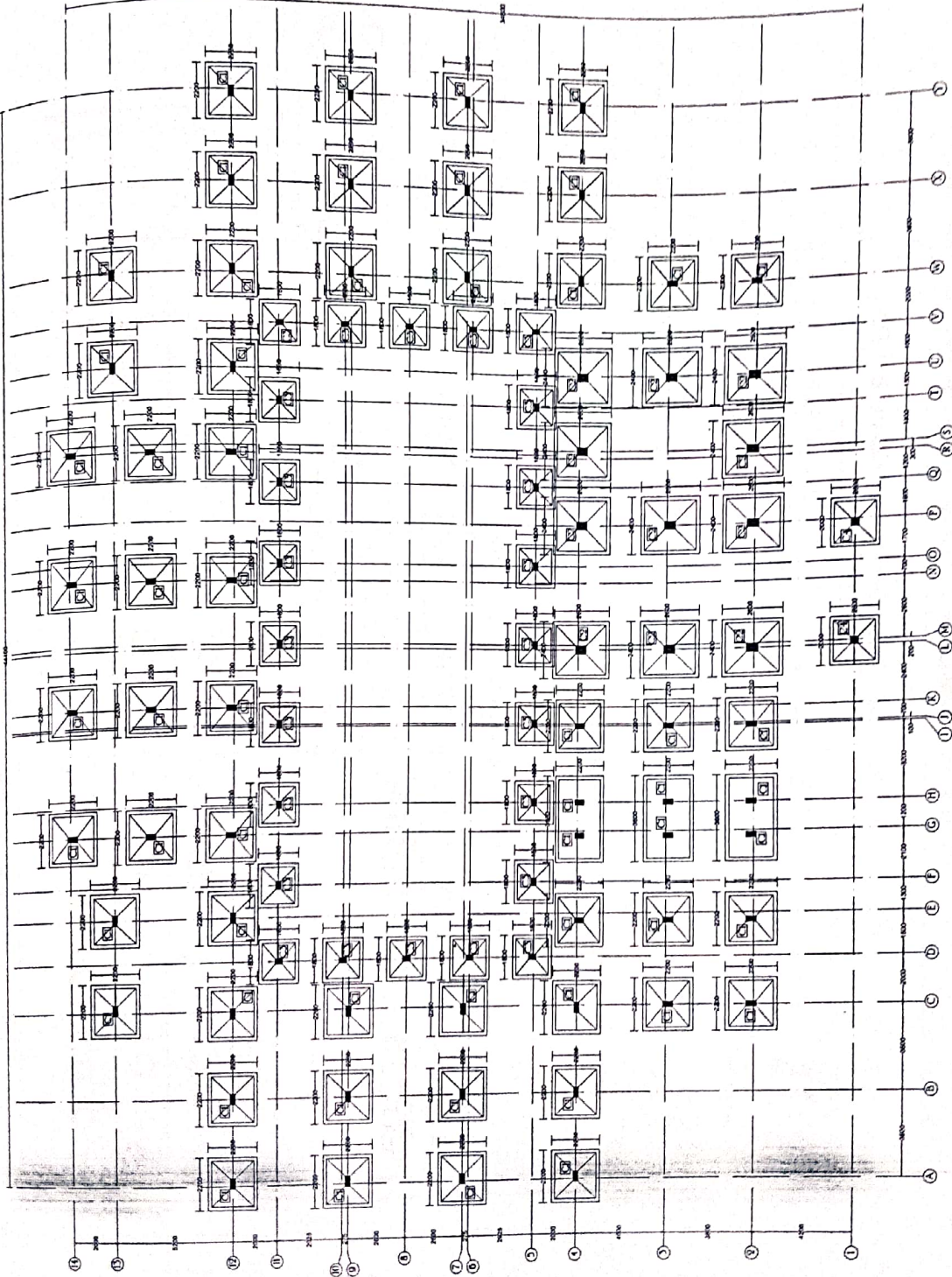


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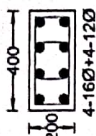
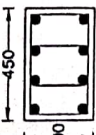
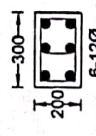
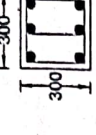
PROPOSED 50 BED PRE-METRIC
ST BOYS HOSTEL

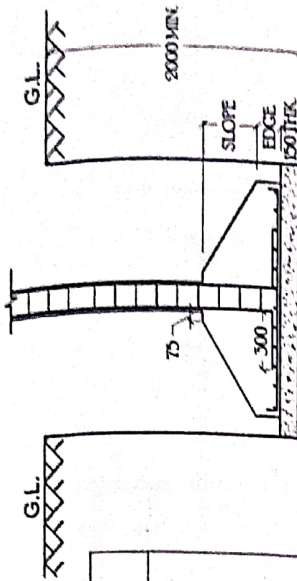
LAYOUT PLAN

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COLUMN SCHEDULE

| C1 | C2 | C3 | C4 |
|---|--|--|---|
|  4-16 \varnothing 4-12 \varnothing RING 8 \varnothing @150 C/C |  8-16 \varnothing RING 8 \varnothing @150 C/C |  6-12 \varnothing RING 8 \varnothing @150 C/C |  6-12 \varnothing RING 8 \varnothing @150 C/C |



TYPICAL FOOTING SECTION

FOOTING SCHEDULE

| FOOTING | EXCA. SIZE | FOOTING SIZE | EDGE | DEPTH | REINFORCEMENT | REMARK |
|---------|------------|--------------|------|-------|------------------------------------|--------|
| F1 | 2200x2200 | 1900x1900 | 200 | 450 | 10 \varnothing @150 C/C BOTHWAYS | C1 |
| F2 | 2600x2400 | 2300x2100 | 200 | 600 | 10 \varnothing @150 C/C BOTHWAYS | C2 |
| F3 | 1800x1800 | 1500x1500 | 200 | 300 | 10 \varnothing @150 C/C BOTHWAYS | C3 |
| F4 | 2000x2000 | 1700x1700 | 200 | 300 | 10 \varnothing @150 C/C BOTHWAYS | C4 |

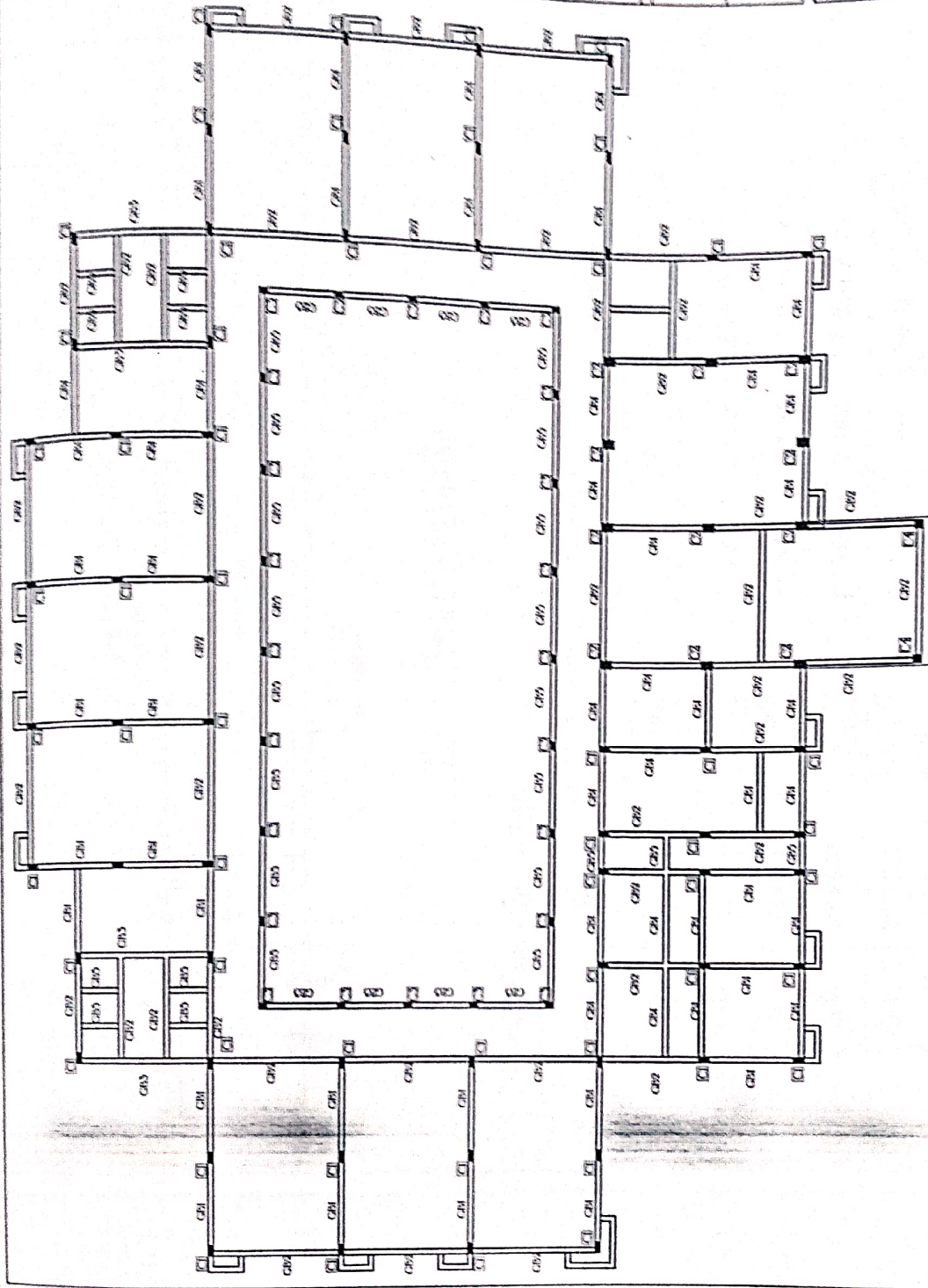
PROPOSED 50 BEDED PRE-METRIC
ST BOYS HOSTEL

COLUMN AND FOOTING SCHEDULE

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PROPOSED 50 BEDED PREMETRIC
ST BOYS HOSTEL
GROUND BEAM PLAN



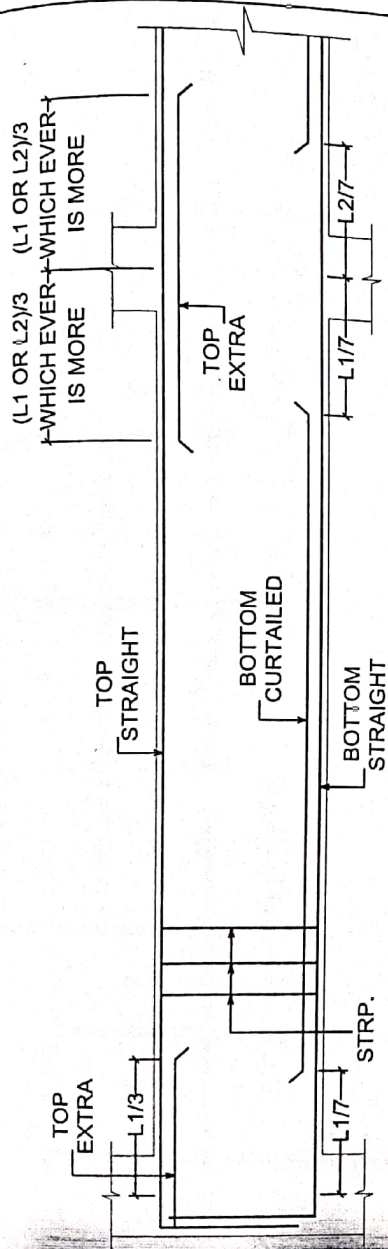
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TYP. BEAM SECTION DETAIL

GROUND BEAM DETAIL

| BEAM | SIZE | BOTTOM REIN. | TOP REIN. | | STIRRUP |
|------|---------|--------------------|-----------|-------|--------------|
| | | STRAIGHT + CURTAIL | STRAIGHT | EXTRA | |
| GB1 | 200x400 | 2-12Ø | 2-12Ø | 2-12Ø | 8Ø @ 150 C/C |
| GB2 | 200x400 | 2-12Ø | 2-12Ø | 2-12Ø | 8Ø @ 150 C/C |
| GB3 | 200x450 | 2-12Ø | 2-12Ø | 3-16Ø | 8Ø @ 150 C/C |
| GB4 | 200x500 | 3-16Ø | 2-12Ø | 2-16Ø | 8Ø @ 150 C/C |
| GB5 | 200x300 | 2-12Ø | 2-12Ø | --- | 8Ø @ 150 C/C |

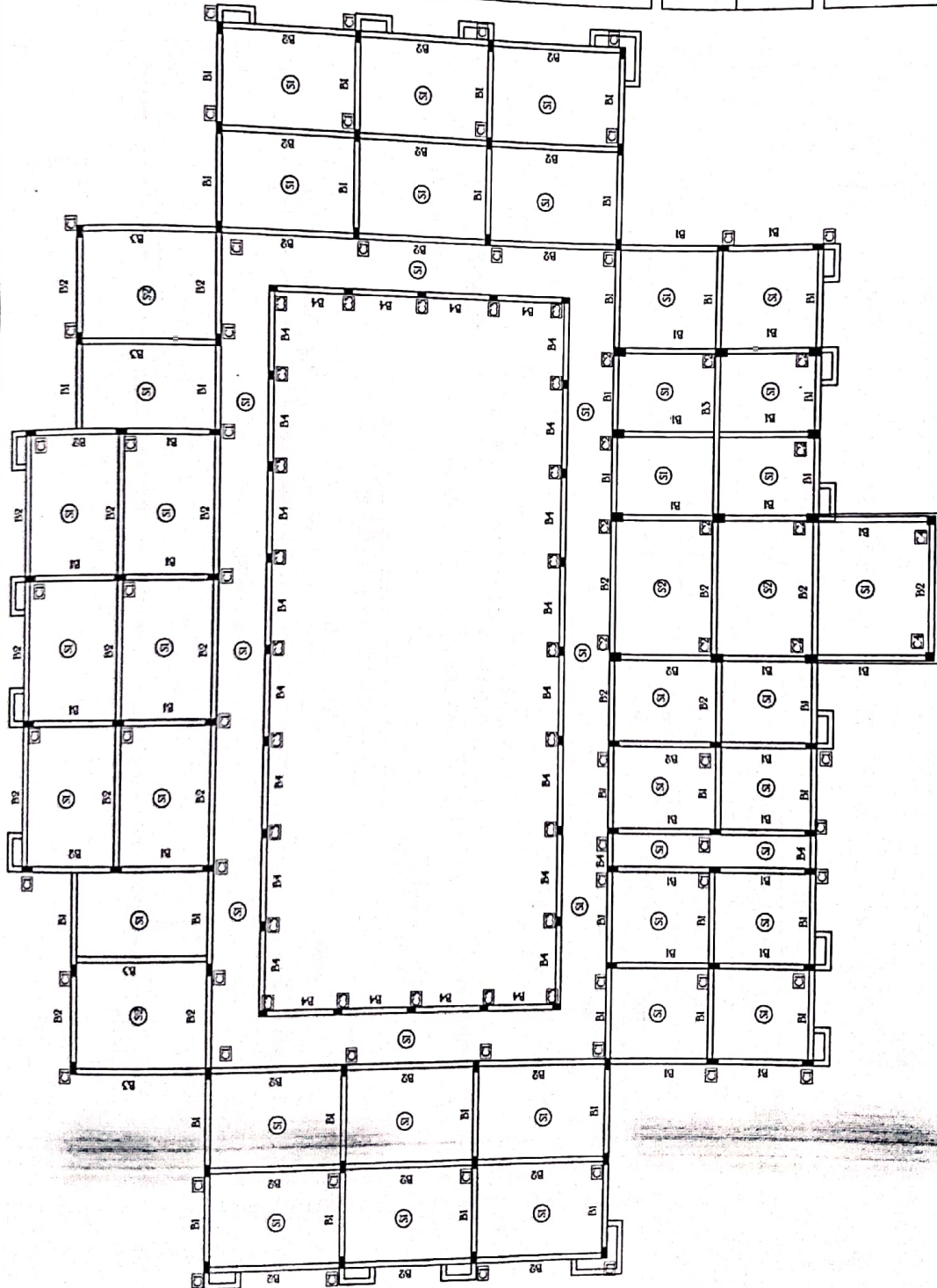
PROPOSED 50 BEDED PRE-METRIC
ST BOYS HOSTEL

GROUND BEAM SCHEDULE

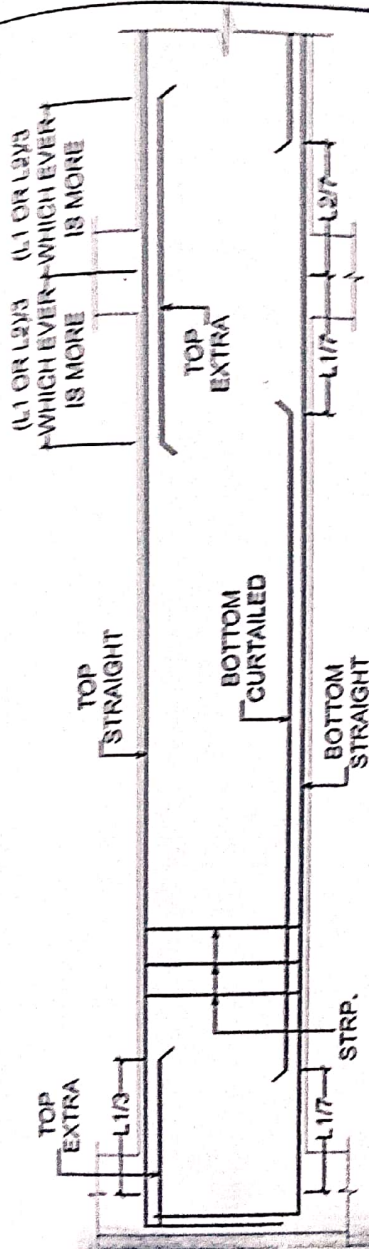
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PROPOSED 50 BEDED PRE-METRIC
ST BOYS HOSTEL

SLAB BEAM PLAN



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TYP. BEAM SECTION DETAIL

SLAB BEAM DETAIL

| BEAM | SIZE | BOTTOM REIN. | TOP REIN. | | STIRRUP |
|------|---------|--------------------|-----------|-------|--------------|
| | | STRAIGHT + CURTAIL | STRAIGHT | EXTRA | |
| B1 | 200x400 | 2-12Ø 2-12Ø | 2-12Ø | 3-12Ø | 8Ø @ 150 C/C |
| B2 | 200x450 | 2-12Ø 3-16Ø | 2-12Ø | 3-16Ø | 8Ø @ 130 C/C |
| B3 | 200x500 | 3-16Ø 3-16Ø | 2-16Ø | 3-16Ø | 8Ø @ 100 C/C |
| B4 | 200x300 | 3-12Ø | 2-12Ø | --- | 8Ø @ 150 C/C |

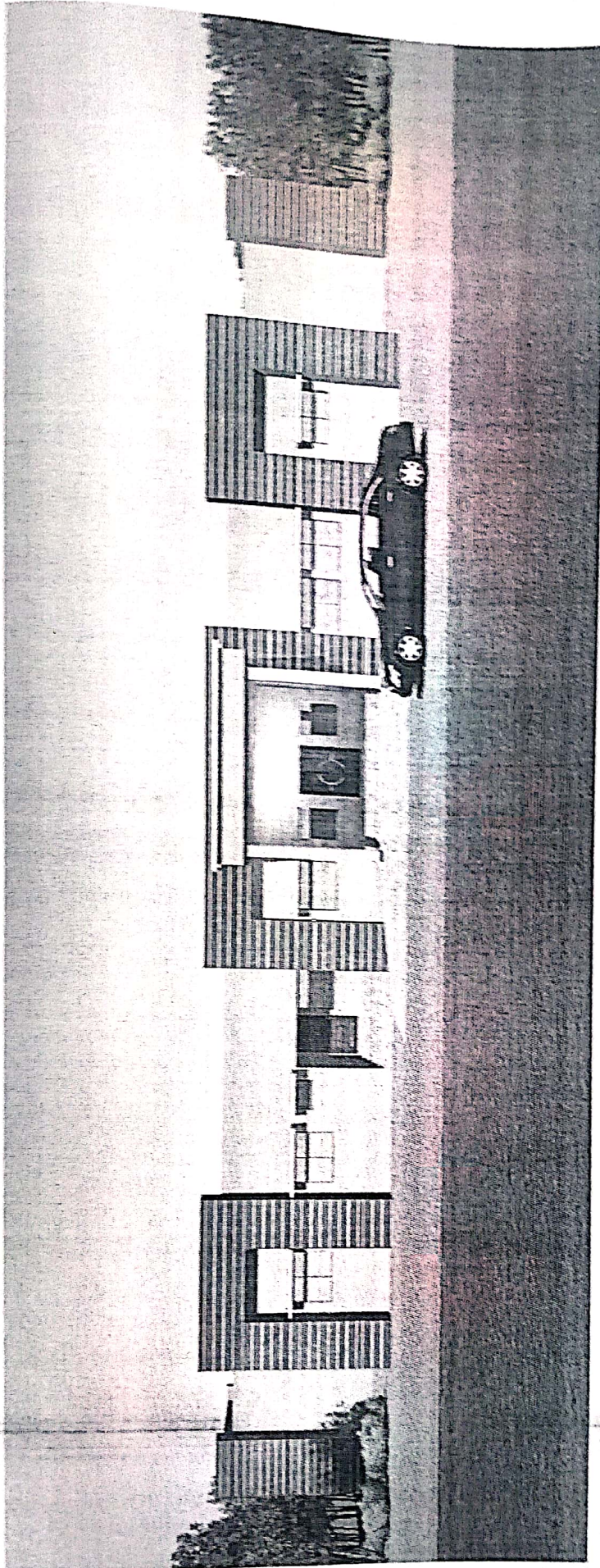
DETAILS OF SLAB

| SLAB | MAIN SPAN | OTHER SPAN | SLAB THICKNESS |
|------|---------------|---------------|----------------|
| S1 | 8Ø @ 125 C/C | 8Ø @ 125 C/C | 125 MM |
| S2 | 10Ø @ 125 C/C | 10Ø @ 125 C/C | 150MM |

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

PROPOSED IN BELVED PRE-METRIC
ST BOYS HOSTEL

SLAB BEAM SCHEDULE



PROPOSED PRE MATRIC HOSTEL
FOR DEPTT. OF TRIBAL DEVELOPMENT, RAIPUR, C.G.