

INDIRA GANDHI AGRICULTURE UNIVERSITY RAIPUR (C.G.)

PROPOSED TRANSIT HOSTEL BUILDING (C.G.)

ABSTRACT SHEET

[As per P.W.D.- Building S.O.R. in Force From 1 Jan. 2015]

S.NO.	PARTICULARES	AMOUNT
A	SOR ITEM- BUILDING CIVIL WORKS	
A-1	ESTIMATED COST OF GROUND FLOOR (AREA - 260 SQM)	
A-2	ESTIMATED COST OF FIRST FLOOR (AREA - 250 SQM)	
A-3	ESTIMATED COST OF STAIRCASE TOWER AND TERRACE FLOOR	
A-4	ESTIMATED COST OF PLINTH PROTECTION -80M X1.20M	
A-5	ESTIMATED COST OF BOREWELL -1 NOS	
A-6	ESTIMATED COST OF RAIN WATER HARVESTING PIT-2NOS	
A-7	ESTIMATED COST OF C.C.ROAD - 20MX3.6M	
A-8	COST OF FURNITURE WORK - L.S.	
	TOTAL-A (RS)	
	SAY COST RS.	

INDIRA GANDHI AGRICULTURE UNIVERSITY RAIPUR (C.G.)
PROPOSED TRANSIT HOSTEL BUILDING (C.G.)

BOQ OF GROUND FLOOR

[As per P.W.D.- Building S.O.R. in Force From 1 Jan. 2015]

S.N	Code No.	Item Work	No.	Length	B.	D/H	Qty.	Unit	Rate	Amount
Excavation and Earth filling										
1	(Page no.9, Code no. 1.2)	Surface dressing of the ground including removing vegetation and making up undulations and inequalities not exceeding 15 cms in depth/ height including disposal of rubbish upto 1.5 m lift and lead upto 50m (at least 5m away from the dressed area)	1	260.00	sqm	-	260.00	Sqm.		
2 a	(Page No.- 09, Code No.- 1.1.1)	Excavation in all types of soils for all types & size of foundation and drains including disposal of excavated stuff up to 50 m lead & alift up to 1.5 m including dressing and levelling of pits and disposed stuff as directed by Engineer .								
		for footings								
		F1	30	2.00	2.00	1.80	216.00			
		F2	2	1.80	1.80	1.80	11.66			
		septic tank	1	3.00	4.00	2.50	30.00			
							257.66	Cu.M.		
2b	(P.NO.-11,C.N.- 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.								
		F1 to F5					227.66			
			70% of Excavated Qty				159.36	Cu.M.		

S.N	Code No.	Item Work	No.	Length	B.	D/H	Qty.	Unit	Rate	Amount
3	(P.No.-11,C.N. 1.18)	Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layer not exceeding 20cm in depthconsolidating each deposited layer by ramming and watering, including dressing etc. complete.								
		Sand filling								
		F1	30	2.00	2.00	0.10	12.00			
		F2	2	1.80	1.80	0.10	0.65			
		septik tank	1	3.00	4.00	0.10	1.20			
		Moorum filling in plinth								
		column pit@20%	1				45.53			
		porch	1	5.0	4.0	1.20	24.00			
		verendah	1	2.6	1.0	1.50	3.90			
		ent lobby	1	6.0	4.9	1.50	44.10			
		staircase	1	3.0	4.8	1.50	21.60			
		room	4	4.6	3.0	1.50	82.80			
		hall	4	4.2	3.0	1.50	75.60			
		kitchen	4	2.30	2.40	1.50	33.12			
		toilet	2	1.80	2.20	1.50	11.88			
			2	2.60	1.80	1.50	14.04			
		wash	4	2.30	1.50	1.50	20.70			
							391.12	Cum.		
4	(P.NO.-22,C.N. 3.1.3)	Providing and laying nominal mix cement concrete with crushed stone aggregate using concrete mixer in foundation, plinth and at ground level excluding cost of form work., (C.N. 3.1.2) 1:3:6 (1 cement : 3 coarse sand : 6graded stone aggregate 40mm nominal size).								
		F1	30	2.00	2.00	0.10	12.00			
		F2	2	1.80	1.80	0.10	0.65			
		septik tank	1	3.00	4.00	0.10	1.20			
		Moorum filling in plinth				0.10				
		porch	1	5.0	4.0	0.10	2.00			
		verendah	1	2.6	1.0	0.10	0.26			
		ent lobby	1	6.0	4.9	0.10	2.94			
		staircase	1	3.0	4.8	0.10	1.44			
		room	4	4.6	3.0	0.10	5.52			
		hall	4	4.2	3.0	0.10	5.04			
		kitchen	4	2.30	2.40	0.10	2.21			
		toilet	2	1.80	2.20	0.10	0.79			
			2	2.60	1.80	0.10	0.94			
		wash	4	2.30	1.50	0.10	1.38			
							36.36	Cu.M.		

S.N	Code No.	Item Work	No.	Length	B.	D/H	Qty.	Unit	Rate	Amount
5	(P.NO.-12,C.N.-1.25)	Diluting chemical emulsion (Chlorpyrifos/ lindane) in water as per manufacturers recommendation and injecting for preconstructional curative cum preventive anti-termitetreatment:(Five year service guarantee bond to be signed by contractor) 11CodeNoDescriptionUnitRateRs .1.24.1 Surface treatment by spreading emulsion under floor, over the plinth area before laying base concrete @ 5 litres / sqm.								
a	(P.NO.-12,C.N.-1.25.1)	1.22 Supplying chlorpyrifos/ Lindane emulsifiable concentrate of 20% in sealed containers including delivery as specified.	1	30.00	-	-	30.00	ltr.		
b	(P.NO.-12,C.N.-1.25.1)	1.24.1 Surface treatment by spreading emulsion under floor, over the plinth area before laying base concrete @ 5 litres / sqm.	1	72.60	-	-	72.60	Sqm.		
c	(P.NO.-11,C.N.-1.24.2)	Treatment of inside of plinth masonry wall on using diluted chemical emulsion @ 1.5 litre per hole, including drilling 12 mm diameter holes in plinth wall below plinth protection at the intervals of 300 mm and plugging with cement mortar 1 :2 (1 cement : 2 Coarse sand).	1	72.60	-	-	72.60	Mtr.		
d	(P.NO.-12,C.N.-1.25.3)	Treatment of outer side of plinth masonry wall using diluted chemical emulsion @ 1.5 litre per hole, including drilling 12 mm diameter holes in plinth wall at the junction of floor at the intervals of 300 mm and plugging with cement mortar 1 :2 (1 cement : 2 Coarse sand).	1	72.60	-	-	72.60	Mtr.		
Shuttering & Formwork										

S.N	Code No.	Item Work	No.	Length	B.	D/H	Qty.	Unit	Rate	Amount
6	(Page No.- 16, Code No.- 2.1.1)	Providing and fixing formwork l/c centering, shuttering, strutting, staging, propping bracing etc. completed including its removal for								
		Foundation, Footing, base of columns and plinth beam in any shape and size upto plint level.								
		For base								
		F1	30	2.00	-	0.10x4	24.00			
		F2	2	1.80	-	0.10x4	1.44			
		septik tank	2	3.00	-	0.10x2	1.20			
			2	4.00	-	0.10x2	1.60			
		For footing								
		F1	30	2.00	-	0.50x4	120.00			
		F2	2	1.50	-	0.50x4	6.00			
		For Column's upto plinth								
		C1	30	1.20	-	2.50	90.00			
		C2	2	1.60	-	2.50	8.00			
		For Ground beam								
		GB1	1	72.60	-	0.30x2	43.56			
		For plinth beam								
		B1-0.20X0.40	50	3.30	-	0.40x2	132.00			
		B2-0.20X0.40	5	5.00	-	0.40x2	20.00			
		B3-0.20X0.40	3	3.50	-	0.40x2	8.40			
		CB2-0.20X0.40	16	0.60	-	0.40x2	7.68			
		(Page No.- 16, Code No.-2.1.1)					463.88	Sq.M.		
		For Column's upto slab lvl.								
		C1	30	1.20	-	3.43	123.30			
		C2	2	1.60	-	3.43	10.96			
							134.26	sqm.		
		lintel beam								
		B1-0.20X0.20	50	3.30	-	0.20x2	66.00			
		B2-0.20X0.20	5	5.00	-	0.20x2	10.00			
		B3-0.20X0.20	3	3.50	-	0.20x2	4.20			
		CB2-0.20X0.20	16	0.60	-	0.20x2	3.84			
		Slab beam								
		B1-0.20X0.40	50	3.30	-	0.40x2	132.00			
		B2-0.20X0.40	5	5.00	-	0.40x2	20.00			
		B3-0.30X0.40	3	3.50	-	0.40x2	8.40			
		CB2-0.20X0.40	16	0.60	-	0.40x2	7.68			
		Slab								
		main slab	1	260.00	sqm	-	260.00			
			1	72.60	0.125	-	9.08			
		chajja	1	72.60	0.60	-	43.56			
			1	72.60	-	0.10	7.26			
		septik tank	1	3.00	4.00	-	12.00			
			1	14.00	0.125	-	1.75			
		staircase waist slab	3	4.00	1.50	-	18.00			

S.N	Code No.	Item Work	No.	Length	B.	D/H	Qty.	Unit	Rate	Amount
		staircase waist slab	3	4.00	1.50	0.15	2.70			
		Steps	23	1.50	0.02	sqm	0.79			
		Weather shade, chhajja, Cornices and mouldings	1	72.60	0.2	0.2	2.90			
							160.69	cum.		
8	Page no.24,Code no. 3.12.1	Providing and placing in position steel reinforcement for R.C.C. work including cutting, Bending, binding etc. complete as per drawings including cost of binding wire and including all wastage etc. complete (3.14.1) T.M.T. BARS	(RCC WORK @ 115KG/CUM.)							
							18479.75	K.g.		
9	(P.No.-24,C.N. 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 formwork.								
			50	3.30	0.20	0.05	1.65			
			5	5.00	0.20	0.05	0.25			
			3	3.50	0.20	0.05	0.11			
			16	0.60	0.20	0.05	0.10			
							2.10	cum.		
10	(P.No.-24,C.N. 3.15)	Applying a coat or not bitumen 30/40 using @ 1.7 kg./sqm on damp proof copurse after cleaning the surface of brushes and finally with a piece of cloth lightly soaked in kerosine oil.								
			1	43.00	sqm	-	43.00	Sqm.		
BRICK WORK										
11	Page no.45,Code no. 7.5	7.5 Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in: 7.5.4 Cement Mortar 1:6 (1 cement : 6 coarse sand)								
			50	3.30	0.20	0.80	26.40			
			5	5.00	0.20	0.80	4.00			
			3	3.50	0.20	0.80	1.68			
			16	0.60	0.20	0.80	1.54			
		septik tank	2	3.00	0.20	2.50	3.00			
			2	4.00	0.20	2.50	4.00			

S.N	Code No.	Item Work	No.	Length	B.	D/H	Qty.	Unit	Rate	Amount
							40.62	Cu.M.		
12	(P.No.-45,(C.N. 7.5+7.54)	7.5 Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in: 7.5.4 Cement Mortar 1:6 (1 cement : 6 coarse sand)+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:								
		Superstructure	50	3.30	0.20	3.00	99.00			
			1	5.00	0.20	3.00	3.00			
			16	0.60	0.20	3.00	5.76			
							107.76	Cu.M.		
		Deduction								
		MD	1	1.80	0.20	2.50	0.90			
		D1	8	1.10	0.20	2.10	3.70			
		D2	8	0.90	0.20	2.10	3.02			
		D3	4	0.75	0.20	2.10	1.26			
		W	6	1.80	0.20	1.20	2.59			
		WK	5	1.10	0.20	1.20	1.32			
		V	4	0.90	0.20	0.60	0.43			
						(-)	13.22			
						net	94.54	cum.		
PLASTERING WORK										
13	(P.No.- 103,C.N.11.3.4)	15mm thick cement plaster on the rough side of single or half brick wall of mix: Outer side of walls.(1:6)								
		Septik tank	2	3.00	-	2.5	15.00			
			2	4.00	-	2.5	20.00			
		outer wall	1	72.60	-	4.925	357.56			
							392.56	sqm.		
		Deduction								
		MD	1	1.80	-	2.50	4.50			
		W	6	1.80	-	1.20	12.96			
		WK	5	1.10	-	1.20	6.60			
		V	4	0.90	-	0.60	2.16			
						(-)	26.22	sqm.		
						net	366.34	sqm.		
14	Page no.103,Code no. 11.2.4	12mm thick cement plaster of inner side of walls.(1:6)								
		porch	2	5.0	-	1.50	15.00			
			2	4.0	-	1.50	12.00			
		verendah	2	2.6	-	3.43	17.81			
			2	1.0	-	3.43	6.85			
		ent lobby	2	6.0	-	3.43	41.10			
			2	4.9	-	3.43	33.57			

S.N	Code No.	Item Work	No.	Length	B.	D/H	Qty.	Unit	Rate	Amount
		staircase	2	3.0	-	3.43	20.55			
			2	4.8	-	3.43	32.88			
		room	8	4.6	-	3.43	126.04			
			8	3.0	-	3.43	82.20			
		attach toilet	4	1.8	-	3.43	24.66			
			4	2.0	-	3.43	27.40			
			4	1.8	-	3.43	24.66			
			4	2.6	-	3.43	35.62			
		kitchen	8	2.30	-	3.43	63.02			
			8	2.40	-	3.43	65.76			
		hall	8	4.20	-	3.43	115.08			
			8	3.00	-	3.43	82.20			
		wash	8	2.30	-	3.43	63.02			
			8	1.50	-	3.43	41.10			
							930.52	sqm.		
		MD	1	1.80	-	2.50	4.50			
		D1	8	1.10	-	2.10	18.48			
		D2	8	0.90	-	2.10	15.12			
		D3	4	0.75	-	2.10	6.30			
		W	6	1.80	-	1.20	12.96			
		WK	5	1.10	-	1.20	6.60			
		V	4	0.90	-	0.60	2.16			
						(-)	66.12			
						net	864.40	sqm.		
15	(P.No.- 103,C.N.11.1.1)	Ceiling plaster 6mm thick cement plaster In Cement mortar 1:3 (1 cement : 3 fine sand)								
		porch	1	5.0	4.0	-	20.00			
		verendah	1	2.6	1.0	-	2.60			
		ent lobby	1	6.0	4.9	-	29.40			
		staircase	1	3.0	4.8	-	14.40			
		room	4	4.6	3.0	-	55.20			
		hall	4	4.2	3.0	-	50.40			
		kitchen	4	2.30	2.40	-	22.08			
		toilet	2	1.80	2.20	-	7.92			
			2	2.60	1.80	-	9.36			
		wash	4	2.30	1.50	-	13.80			
		chajja	1	72.6	0.60	-	43.56			
		slab beam	1				17.20			
							285.92	sqm.		
16	(P.No.- 111.C.N.12.1)	Applying cement slurry on R.C.C. slab or cement concrete work using 2.75 kg/ sqm for receiving cement concrete floor including roughening cleaning etc complete	same item no. 15				285.92	sqm.		
17	(P.No.- 106,C.N.11.32)	moulded mortar band in cement mortar 1:4 per cm width a(18mm thick)	6	72.60	-	-	435.60	Mtr.		

S.N	Code No.	Item Work	No.	Length	B.	D/H	Qty.	Unit	Rate	Amount
DOOR & WINDOW										
18	(P.No.- 81,C.N.9.16	Providing and fixing M.S. frames of doors, windows and ventilators joints mitred 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. 9.11.2 Angle-iron frames Equal angle size 40x40m (4mm thick)								
		MD	1	8.60	-	-	8.60			
		D1	8	6.40	-	-	51.20			
		D2	8	6.00	-	-	48.00			
							107.80	Mtr.		
					2.40 kg/ mtr		258.72	kg.		
19	(P.No.- 56,C.N.8.12.2.)	Providing and fixing flush door shutters 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 8.10.2 35 mm. thick (single leaf)								
		MD	1	1.80	-	2.50	4.50			
		D1	8	1.10	-	2.10	18.48			
		D2	8	0.90	-	2.10	15.12			
							38.10	sqm.		
20	8.13.5	8.13.5 25 mm. thick (double leaf for cupboard shutters with piano type hinges	4	1.50	-	2.10	12.60	sqm.		

S.N	Code No.	Item Work	No.	Length	B.	D/H	Qty.	Unit	Rate	Amount
21	(P.No.- 74,C.N.8.151)	9.61 Providing and fixing aluminium composite panels in approved panel sizes, thickness and shape on aluminium frame work on face of building. (Frame to be paid separately) 9.61.1 3mm thick sqm								
		D3	4	0.75	-	2.10	6.30			
							6.30			
		toilet door with acp sheet both side				6.3x2	12.60	Sq.M.		
STEEL & ALUMINIUM WORK										
22	(P.No.- 81,C.N.9.17)	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 40x40x6mm with 38mm steel pulleys complete with bolts, nuts, locking arrangement stoppers, handles including applying a priming coat of red oxide zinc chromate primer.								
		Chanel gate	1	2.00	-	2.50	5.00	sqm		
23	(P.No.- 81,C.N.9.15)	Providing and fixing M.S. grill of approved pattern made of M.S. flats or square or round bars welded to steel frame of windows etc. including applying a priming coat of red oxide zinc chromate primer..								
		window/Ventilator grill								
		W	6	1.80	-	1.20	12.96			
		WK	5	1.10	-	1.20	6.60			
		V	4	0.90	-	0.60	2.16			
							21.72	sqm		
			@ 30 Kg./sqm				651.60	K.g.		

S.N	Code No.	Item Work	No.	Length	B.	D/H	Qty.	Unit	Rate	Amount
24	(P.No.- 85,C.N.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 and panelling to be paid for separately								
	(C.N. 9.45.2)	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).								
		W	6	1.80	-	1.20	12.96			
		WK	5	1.10	-	1.20	6.60			
		V	4	0.90	-	0.60	2.16			
		almira frame - room	4	1.50	-	2.10	12.60			
		D4	4	0.75	-	2.10	6.30			
							40.62	Sqm.		
							406.20	K.g.		
25	(,P.NO- 85,C.N.9.48)	Extra for powder coated (minimum 50 micron) aluminium sections instead of anodized.	same as item no- 24				406.20	Kg.		

S.N	Code No.	Item Work	No.	Length	B.	D/H	Qty.	Unit	Rate	Amount
26a	(P.No.-91,C.N.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):								
	(C.N. 9.51.2)	With float glass panes of 5 mm thickness								
		W	6	1.80	-	1.20	12.96			
		WK	5	1.10	-	1.20	6.60			
		V	4	0.90	-	0.60	2.16			
							21.72	Sqm.		
26b	9.34	Providing and fixing stainless wire gauge of average width of aperture 1.56mm with wire of 0.35mm to existing steel door, window shutter frames with necessary M.S. strip beading etc. complete.					21.72	Sqm.		
27		door fitting items								
	8.77.1	bult hinges 125x85x5.5mm (heavy)	78	-	-	-	78.00	Each		
	8.60.1	sliding door bolt 300x16mm	13	-	-	-	13.00	Each		
	8.80.2	door each 250x16x5mm	13	-	-	-	13.00	Each		
	8.62.3	tower bolt 150x10mm	13	-	-	-	13.00	Each		
	8.65.1	handle 125mm	13	-	-	-	13.00	Each		
	8.76	P/F hanginh door stopper	9	-	-	-	9.00	Each		
28	(P.NO.-86,C.N-9.57.1)	Providing stainless steel railing/ grill made of S.S. flats, hollow S.S. pipe or square/ rectangular sections of approved design fixing in stair case, balcony or other places with metal fasteners and stainless steel bolts etc complete.								
		Staircase	1	10.00	-	-	10.00	Rmt.		
		@5kg / Rmt.					50.00	Kg.		
FLOORING WORK(STONE, TILES)										

S.N	Code No.	Item Work	No.	Length	B.	D/H	Qty.	Unit	Rate	Amount
29	(P.No.- 112,C.N.12.9.1)	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								
	floor	attach toilet	2	1.8	2.0	-	7.20			
			2	2.6	1.8	-	9.36			
							16.56	sqm.		
30	(P.No.- 111,C.N.12.7.1)	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 sqm 587.00								
	wall	attach toilet	4	1.8	-	2.10	15.12			
			4	2.0	-	2.10	16.80			
			4	2.6	-	2.10	21.84			
			4	1.8	-	2.10	15.12			
		kitchen wall	4	3.00	-	0.60	7.20			
							76.1	Sqm.		
		Deduction								
		D3	4	0.75	-	2.10	6.30			
						(-)	6.30	Sqm.		
						net	69.78	sqm.		

S.N	Code No.	Item Work	No.	Length	B.	D/H	Qty.	Unit	Rate	Amount
31	(P.No.- 120,C.N.12.10)	12.10 Providing and laying rectified ceramic glazed floor tiles of size 300x300mm and above conforming to IS : 15622 of approved 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. 12.10.1 Size 300x300mm sqm 858.00								
		rectified tiles porch	1	5.00	4.00	-	20.00	Sq.M.		
32	(P.No.- 112,C.N.12.13)	12.12 Providing and laying vitrified floor tiles with soluble salt printing, of size 600x600mm with water absorption less than 0.5% and conforming 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								
		ent lobby	1	6.0	4.9	-	29.40			
		staircase	1	3.0	4.8	-	14.40			
		room	4	4.6	3.0	-	55.20			
		hall	4	4.2	3.0	-	50.40			
		kitchen	4	1.80	3.00	-	21.60			
		wash	4	2.30	2.40	-	22.08			
		staircase riser	23	1.50	-	0.15	5.18			
		skirting	1	250.00	-	0.10	25.00			
							223.26	Sq.M.		
33a	(P.No.- 118,C.N.12.46. 2)	(C.N. 12.46.2)15 mm thick table rubbed polished granite stone slab in riser and treads of steps skirting dado and pillars laid on 12mm (average) thick base of cement mortar 1:3								
		verendah	1	2.5	0.9	-	2.25			
		steps	2	2.60	0.45	-	2.34			
		kitchen platform	1	3.00	0.60	-	1.80			

S.N.	Code No.	Item Work	No.	Length	B.	D/H	Qty.	Unit	Rate	Amount
		staircase	1	3.00	1.50	-	4.50			
		steps	23	1.50	0.30	-	10.35			
		W	6	1.80	0.30	-	3.24			
		wk	5	1.10	0.30	-	1.65			
		Almira shelves	8	1.50	0.45	-	5.40			
							31.53	sqm.		
34b		(C.N. 12.54) Extra for noising in steps and tread of red or white fine dressed and rubbed sand stone.	1	75.00	-	-	75.00	Rmt.		
PAINTING WORK										
35	(P.NO-133,C.N.14.13.)	Providing and applying 2mm thick ready mix exterior grade putty (Birla wall care, Alltek Superfine W/R of (NCL), J.K. wall putty) on walls to make the surface smooth and even. (interior & exterior)	same as item no. -13+14+15				1516.65	sqm.		
36	(P.NO-133,C.N.14.12)	14.12 Applying one coat of cement primer on wall surface (applied @ 0.80 litrs/10 sqm) complete.	same as item no. -13+14+15				1516.65	sqm.		
37	(P.NO-132,C.N.14.9.1.)	Distempering with acrylic washable distemper. 14.5.1 On new work (Two or more coats) for interior	same as item no. -13+14+15				1516.65	sqm.		
38	(P.NO.-133,C.N.14.16.1)	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) sqm 74.50	same as item no. -13				366.34	sqm.		
39	(P.NO.-134,C.N.14.22.1)	Satin synthetic enamel paint (top most approved branded quality)	2x as item no22+23				26.72			
							53.44	Sq.M.		
									Total Rs.	

S.N.	Code No.	Item Work	No.	Length	B.	D/H	Qty.	Unit	Rate	Amount
40	(+) Add	7% (Electrical installation for Internal & External)							Rs.	
41	(+) Add	4% (Sanitary& Water installation for Internal & External)							Rs.	
									Total Rs.	
Total Cost of Ground Floor									Say Rs.	

Note: - Any item may be changed at the time of execution of work with prior permission of superintendent physical plant as per site and other condition

INDIRA GANDHI AGRICULTURE UNIVERSITY RAIPUR (C.G.)
PROPOSED TRANSIT HOSTEL BUILDING (C.G.)

BOQ OF FIRST FLOOR

[As per P.W.D.- Building S.O.R. in Force From 1 Jan. 2015]

S.N.	Code No.	Item Work	No.	Length	B.	D/H	Qty.	Unit	Rate	Amount
Shuttering & Formwork										
1	(Page No.- 16, Code No.- 2.1.1)	Providing and fixing formwork l/c centering, shuttering, strutting, staging, propping bracing etc. completed including its removal for								
		For Column's upto slab lvl.								
		C1	30	1.20	-	3.43	123.30			
		C2	2	1.60	-	1.00	3.20			
							126.50	sqm.		
		lintel beam								
		B1-0.20X0.20	50	3.30	-	0.20x2	66.00			
		B2-0.20X0.20	2	7.00	-	0.20x2	5.60			
		CB2-0.20X0.20	16	0.60	-	0.20x2	3.84			
		Slab beam								
		B1-0.20X0.40	50	3.30	-	0.40x2	132.00			
		B2-0.30X0.40	5	7.00	-	0.40x2	28.00			
		CB2-0.20X0.40	16	0.60	-	0.40x2	7.68			
		Slab								
		main slab	1	250.00	sqm	-	250.00			
			1	72.60	0.125	-	9.08			
		chajja	1	72.60	0.60	-	43.56			
			1	72.60	-	0.10	7.26			
		staircase waist slab	3	4.00	1.50	-	18.00			
			23	1.50	-	0.15	5.18			
		(Page No.- 16, Code No.-2.1.2)					576.19	sqm.		
		2.1.13 Weather shade, chhajja, Cornices and mouldings	1	72.60	-	0.40	29.04	sqm.		
RCC WORK										
2	Page no.23,Code no. 3.2	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. 3.2.1 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).								
		For Column's upto slab lvl.								
		C1	30	0.20	0.40	3.43	8.22			
		C2	2	0.40	0.40	3.43	1.10			
		lintel beam								
		B1-0.20X0.20	50	3.30	0.20	0.20	6.60			
		B2-0.20X0.40	2	7.00	0.20	0.40	1.12			

S.N.	Code No.	Item Work	No.	Length	B.	D/H	Qty.	Unit	Rate	Amount
		CB2-0.20X0.20	16	0.60	0.20	0.20	0.38			
		Slab beam								
		B1-0.20X0.40	50	3.30	0.20	0.40	13.20			
		B2-0.30X0.40	5	7.00	0.30	0.40	4.20			
		CB2-0.20X0.40	16	0.60	0.20	0.40	0.77			
		Slab								
		main slab	1	250.00	sqm	0.125	31.25			
		chajja	1	72.60	0.60	0.10	4.36			
		staircase waist slab	3	4.00	1.50	0.15	2.70			
		Steps	23	1.50	0.02	sqm	0.79			
		Weather shade, chhajja, Cornices and mouldings	1	72.60	0.2	0.2	2.90			
							77.59	cum.		
3	Page no.24,Code no. 3.12.1	Providing and placing in position steel reinforcement for R.C.C. work including cutting. Bending, binding etc. complete as per drawings including cost of binding wire and including all wastage etc. complete (3.14.1) T.M.T. BARS	(RCC WORK @ 115KG/CUM.)							
							8923.02	K.g.		
4	(P.No.- 24,C.N. 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 formwork.								
			50	3.30	0.20	0.05	1.65			
			16	0.60	0.20	0.05	0.10			
							1.75	cum.		
5	(P.No.- 24,C.N. 3.15)	Applying a coat or not bitumen 30/40 using @ 1.7 kg./sqm on damp proof course after cleaning the surface of brushes and finally with a piece of cloth lightly soaked in kerosine oil.								
			1	35.00	sqm	-	35.00	Sqm.		
BRICK WORK										
6	(P.No.- 45,(C.N. 7.5+7.54)	7.5 Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in: 7.5.4 Cement Mortar 1:6 (1 cement : 6 coarse sand)+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:								

S.N.	Code No.	Item Work	No.	Length	B.	D/H	Qty.	Unit	Rate	Amount
		Superstructure	50	3.30	0.20	3.00	99.00			
			2	7.00	0.20	3.00	8.40			
			16	0.60	0.20	3.00	5.76			
							113.16	Cu.M.		
		Deduction								
		D1	10	1.10	0.20	2.10	4.62			
		D2	8	0.90	0.20	2.10	3.02			
		D3	4	0.75	0.20	2.10	1.26			
		W	6	1.80	0.20	1.20	2.59			
		WK	5	1.10	0.20	1.20	1.32			
		V	4	0.90	0.20	0.60	0.43			
						(-)	13.25			
						net	99.91	cum.		
PLASTERING WORK										
7	(P.No.-103,C.N.11.3.4)	15mm thick cement plaster on the rough side of single or half brick wall of mix: Outer side of walls.(1:6)								
		outer wall	1	72.60	-	3.425	248.66			
							248.66	sqm.		
		Deduction								
		D1	2	1.10	-	2.10	4.62			
		W	6	1.80	-	1.20	12.96			
		WK	5	1.10	-	1.20	6.60			
		V	4	0.90	-	0.60	2.16			
						(-)	26.34	sqm.		
						net	222.32	sqm.		
8	Page no.103,Cod e no. 11.2.4	12mm thick cement plaster of inner side of walls.(1:6)								
		Balcony	2	7.0	-	3.43	47.95			
			2	1.0	-	3.43	6.85			
		ent loby	2	7.0	-	3.43	47.95			
			2	4.8	-	3.43	32.88			
		staircase	2	3.0	-	3.43	20.55			
			2	4.8	-	3.43	32.88			
		room	8	4.6	-	3.43	126.04			
			8	3.0	-	3.43	82.20			
		attach toilet	4	1.8	-	3.43	24.66			
			4	2.0	-	3.43	27.40			
			4	1.8	-	3.43	24.66			
			4	2.6	-	3.43	35.62			
		kitchen	8	2.30	-	3.43	63.02			
			8	2.40	-	3.43	65.76			
		hall	8	4.20	-	3.43	115.08			
			8	3.00	-	3.43	82.20			
		wash	8	2.30	-	3.43	63.02			
			8	1.50	-	3.43	41.10			
							939.82	sqm.		
		D1	10	1.10	-	2.10	23.10			
		D2	8	0.90	-	2.10	15.12			
		D3	4	0.75	-	2.10	6.30			
		W	6	1.80	-	1.20	12.96			

S.N.	Code No.	Item Work	No.	Length	B.	D/H	Qty.	Unit	Rate	Amount
		WK	5	1.10	-	1.20	6.60			
		V	4	0.90	-	0.60	2.16			
						(-)	66.24			
						net	873.58	sqm.		
9	(P.No.-103,C.N.11.1.1)	Ceiling plaster 6mm thick cement plaster In Cement mortar 1:3 (1 cement : 3 fine sand)								
		balcony	1	7.0	1.0	-	7.00			
		passage	1	15.0	1.2	-	18.00			
		staircase	1	3.0	4.8	-	14.40			
		room	4	4.6	3.0	-	55.20			
		hall	4	4.2	3.0	-	50.40			
		kitchen	4	2.30	2.40	-	22.08			
		toilet	2	1.80	2.20	-	7.92			
			2	2.60	1.80	-	9.36			
		wash	4	2.30	1.50	-	13.80			
		chajja	1	72.6	0.60	-	43.56			
		slab beam	1				16.20			
							257.92	sqm.		
10	(P.No.-111,C.N.12.1)	Applying cement slurry on R.C.C. slab or cement concrete work using 2.75 kg/ sqm for receiving cement concrete floor including roughening cleaning etc complete	same item no. 09				257.92	sqm.		
11	(P.No.-106,C.N.11.32)	moulded mortar band in cement mortar 1:4 per cm width a(18mm thick)	6	72.60	-	-	435.60	Mtr.		
DOOR & WINDOW										
12	(P.No.-81,C.N.9.16)	Providing and fixing M.S. frames of doors, windows and ventilators joints mitred 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. 9.11.2 Angle-iron frames Equal angle size 40x40m (4mm thick)								
		D1	10	6.40	-	-	64.00			
		D2	8	6.00	-	-	48.00			
							112.00	Mtr.		

S.N.	Code No.	Item Work	No.	Length	B.	D/H	Qty.	Unit	Rate	Amount
					2.40 kg/ mtr		268.80	kg.		
13	(P.No.- 56,C.N.8.12 .2.)	Providing and fixing flush door shutters 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 8.10.2 35 mm. thick (single leaf)								
		D1	10	1.10	-	2.10	23.10			
		D2	8	0.90	-	2.10	15.12			
							38.22	sqm.		
14	8.13.5	8.13.5 25 mm. thick (double leaf for cupboard shutters with piano type hinges	4	1.50	-	2.10	12.60	sqm.		
15	(P.No.- 74,C.N.8.15 1)	9.61 Providing and fixing aluminium composite panels in approved panel sizes, thickness and shape on aluminium frame work on face of building. (Frame to be paid separately) 9.61.1 3mm thick sqm								
		D3	4	0.75	-	2.10	6.30			
							6.30			
		toilet door with acp sheet both side				6.3x2	12.60	Sq.M.		
STEEL & ALUMINIUM WORK										
16	(P.No.- 81,C.N.9.15)	Providing and fixing M.S. grill of approved pattern made of M.S. flats or square or round bars welded to steel frame of windows etc. including applying a priming coat of red oxide zinc chromate primer..								
		window/Ventilator grill								
		W	6	1.80	-	1.20	12.96			
		WK	5	1.10	-	1.20	6.60			
		V	4	0.90	-	0.60	2.16			
							21.72	sqm		
			@ 30 Kg./sqm				651.60	K.g.		

S.N.	Code No.	Item Work	No.	Length	B.	D/H	Qty.	Unit	Rate	Amount
17	(P.No.- 85,C.N.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 and panelling to be paid for separately								
	(C.N. 9.45.2)	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).								
		W	6	1.80	-	1.20	12.96			
		WK	5	1.10	-	1.20	6.60			
		V	4	0.90	-	0.60	2.16			
		almira frame - room	4	1.50	-	2.10	12.60			
		D4	4	0.75	-	2.10	6.30			
							40.62	Sqm.		
							@10Kg./Sqm		406.20	K.g.
18	(P.NO- 85,C.N.9.48)	Extra for powder coated (minimum 50 micron) aluminium sections instead of anodized.	same as item no- 17				406.20	Kg.		
17a	(P.No.- 91,C.N.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):								
	(C.N. 9.51.2)	With float glass panes of 5 mm thickness								
		W	6	1.80	-	1.20	12.96			
		WK	5	1.10	-	1.20	6.60			
		V	4	0.90	-	0.60	2.16			
							21.72	Sqm.		

S.N.	Code No.	Item Work	No.	Length	B.	D/H	Qty.	Unit	Rate	Amount
17b	9.34	Providing and fixing stainless wire gauge of average width of aperture 1.56mm with wire of 0.35mm to existing steel door, window shutter frames with necessary M.S. strip beading etc. complete.					21.72	Sqm.		
18		door fitting items								
	8.77.1	bult hinges 125x85x5.5mm (heavy)	84	-	-	-	84.00	Each		
	8.60.1	sliding door bolt 300x16mm	14	-	-	-	14.00	Each		
	8.80.2	door each 250x16x5mm	14	-	-	-	14.00	Each		
	8.62.3	tower bolt 150x10mm	14	-	-	-	14.00	Each		
	8.65.1	handle 125mm	14	-	-	-	14.00	Each		
	8.76	P/F hanginh door stopper	10	-	-	-	10.00	Each		
19	(P.NO.-86,C.N-9.57.1)	Providing stainless steel railing/ grill made of S.S. flats, hollow S.S. pipe or square/ rectangular sections of approved design fixing in stair case, balcony or other places with metal fasteners and stainless steel bolts etc complete.								
		Staircase+balcony	2	12.00	-	-	12.00	Rmt.		
		@5kg / Rmt.					60.00	Kg.		
FLOORING WORK(STONE, TILES)										
20	(P.No.-112,C.N.12.9.1)	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 sqm 692.00								
	floor	attach toilet	2	1.8	2.0	-	7.20			
			2	2.6	1.8	-	9.36			
							16.56	sqm.		

S.N	Code No.	Item Work	No.	Length	B.	D/H	Qty.	Unit	Rate	Amount
21	(P.No.-111,C.N.12.7.1)	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 sqm 587.00								
	wall	attach toilet	4	1.8	-	2.10	15.12			
			4	2.0	-	2.10	16.80			
			4	2.6	-	2.10	21.84			
			4	1.8	-	2.10	15.12			
		kitchen wall	4	3.00	-	0.60	7.20			
							76.1	Sqm.		
		Deduction								
		D3	4	0.75	-	2.10	6.30			
						(-)	6.30	Sqm.		
						net	69.78	sqm.		
22	(P.No.-120,C.N.12.10)	12.10 Providing and laying rectified ceramic glazed floor tiles of size 300x300mm and above conforming to IS : 15622 of approved 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. 12.10.1 Size 300x300mm sqm 858.00								
		rectified tiles terrace	1	5.00	4.00	-	20.00	Sq.M.		
23	(P.No.-112,C.N.12.13)	12.12 Providing and laying vitrified floor tiles with soluble salt printing, of size 600x600mm with water absorption less than 0.5% and conforming 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								
		balcony	4	1.8	1.2	-	8.64			
			1	7.0	4.8	-	33.60			
		room	4	4.6	3.0	-	55.20			
		hall	4	4.2	3.0	-	50.40			

S.N.	Code No.	Item Work	No.	Length	B.	D/H	Qty.	Unit	Rate	Amount
		kitchen	4	2.30	2.40	-	22.08			
		wash	4	2.30	1.80	-	16.56			
		staircase riser	23	1.50	-	0.15	5.18			
		skirting	1	260.00	-	0.10	26.00			
							217.66	Sq.M.		
24a	(P.No.-118,C.N.12.46.2)	(C.N. 12.46.2)15 mm thick table rubbed polished granite stone slab in riser and treads of steps skirting dado and pillars laid on 12mm (average) thick base of cement mortar 1:3								
		kitchen platform	1	3.00	0.60	-	1.80			
		staircase	1	3.00	1.50	-	4.50			
		steps	23	1.50	0.30	-	10.35			
		W	6	1.80	0.30	-	3.24			
		wk	5	1.10	0.30	-	1.65			
		Almira shelves	8	1.50	0.45	-	5.40			
							26.94	sqm.		
25b		(C.N. 12.54) Extra for noising in steps and tread of red or white fine dressed and rubbed sand stone.	1	70.00	-	-	70.00	Rmt.		
PAINTING WORK										
26	(P.NO-133,C.N.14.13,)	Providing and applying 2mm thick ready mix exterior grade putty (Birla wall care, Alltek Superfine W/R of (NCL), J.K. wall putty) on walls to make the surface smooth and even. (interior & exterior)	same as item no. -7+8+9				1353.82	sqm.		
27	(P.NO-133,C.N.14.12)	14.12 Applying one coat of cement primer on wall surface (applied @ 0.80 litrs/10 sqm) complete.	same as item no. -7+8+9				1353.82	sqm.		
28	(P.NO-132,C.N.14.9.1.)	Distempering with acrylic washable distemper. 14.5.1 On new work (Two or more coats) for interior	same as item no. -7+8+9				1353.82	sqm.		

S.N.	Code No.	Item Work	No.	Length	B.	D/H	Qty.	Unit	Rate	Amount
29	(P.NO.- 133,C.N.14. 16.1)	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) sqm 74.50	same as item no. -9				222.32	sqm.		
30	(P.NO.- 134,C.N.14. 22.1)	Satin synthetic enamel paint (top most approved branded quality)	2x as item no-16				21.72			
							43.44	Sq.M.		
									Total Rs.	
31	(+) Add	7% (Electrical installation for Internal & External)							Rs.	
32	(+) Add	4% (Sanitary& Water installation for Internal & External)							Rs.	
									Total Rs.	
Total Cost of First Floor									Say Rs.	

Note: - Any item may be changed at the time of execution of work with prior permission of superintendent physical plant as per site

INDIRA GANDHI AGRICULTURE UNIVERSITY RAIPUR (C.G.)

PROPOSED TRANSIT HOSTEL BUILDING (C.G.)

BOQ OF STAIRCASE TOWER AND TERRACE FLOORING

[As per P.W.D.- Building S.O.R. in Force From 1 Jan. 2015]

S. N.	Code No.	Item Work	No.	Length	B.	D/H	Qty.	Unit	Rate	Amount
Shuttering & Formwork										
1	(Page No.- 16, Code No.- 2.1.1)	Providing and fixing formwork l/c centering, shuttering, strutting, staging, propping bracing etc. completed including its removal for								
		For Column's upto slab lvl.								
		C1	4	1.20	-	2.50	12.00			
		C1	26	1.20	-	1.00	31.20			
							43.20	sqm.		
		Slab beam								
		B2-0.20X0.40	4	3.40	-	0.40x2	10.88			
		B2-0.20X0.40	4	6.40	-	0.40x2	20.48			
		Slab								
		main slab	1	22.00	sqm	-	22.00			
			1	19.60	0.125	-	2.45			
		(Page No.- 16, Code No.-2.1.2)					55.81	sqm.		
RCC WORK										
2	Page no.23,Code no. 3.2	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. 3.2.1 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).								
		For Column's upto slab lvl.								
		C1	4	0.20	0.40	1.00	0.32			
		C1	26	0.20	0.40	2.50	5.20			
		Slab beam								
		B2-0.20X0.40	4	3.40	0.20	0.40	1.09			
		B2-0.20X0.40	4	6.40	0.20	0.40	2.05			
		Slab								
		main slab	1	22.00	sqm	0.125	2.75			
							11.41	cum.		

S. N.	Code No.	Item Work	No.	Length	B.	D/H	Qty.	Unit	Rate	Amount
3	Page no.24,Code no. 3.12.1	Providing and placing in position steel reinforcement for R.C.C. work including cutting. Bending, binding etc. complete as per drawings including cost of binding wire and including all wastage etc. complete (3.14.1) T.M.T. BARS								
							1311.69	K.g.		
4	(P.No.-24,C.N. 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 formwork.								
		tower	2	3.40	0.30	0.05	0.10			
			2	6.40	0.30	0.05	0.19			
		perapet wall	1	72.60	0.30	0.05	1.09			
							1.38	cum.		
5	(P.No.-24,C.N. 3.15)	Applying a coat or not bitumen 30/40 using @ 1.7 kg./sqm on damp proof copurse after cleaning the surface of brushes and finally with a piece of cloth lightly socked in kerosine oil.								
			1	60.00	sqm	-	60.00	Sqm.		
BRICK WORK										
6	(P.No.-45,(C.N. 7.5+7.54)	7.5 Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in: 7.5.4 Cement Mortar 1:6 (1 cement : 6 coarse sand)+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:								
		tower	2	3.40	0.30	2.10	4.28			
			2	6.40	0.30	2.10	8.06			
		perpet wall	1	72.60	0.30	1.00	21.78			
							34.13	Cu.M.		
		Deduction								
		D2	1	1.10	0.20	2.10	0.46			
						(-)	0.46			

S. N.	Code No.	Item Work	No.	Length	B.	D/H	Qty.	Unit	Rate	Amount
						net	33.67	cum.		
PLASTERING WORK										
7	(P.No.-103,C.N.11.3.4)	15mm thick cement plaster on the rough side of single or half brick wall of mix: Outer side of walls.(1:6)								
		outer wall	2	9.80	-	2.50	49.00			
		Perpat wall	2	72.60	-	1.00	145.20			
							194.20	sqm.		
		Deduction					.			
		D2	1	1.10	-	2.10	2.31			
						(-)	2.31	sqm.		
						net	191.89	sqm.		
8	Page no.103,Code no. 11.2.4	12mm thick cement plaster of inner side of walls.(1:6)								
		staircase	2	3.0	-	2.50	15.00			
			2	4.8	-	2.50	24.00			
							39.00	sqm.		
		D2	1	1.10	-	2.10	2.31			
						(-)	2.31			
						net	36.69	sqm.		
9	(P.No.-103,C.N.11.1.1)	Ceiling plaster 6mm thick cement plaster In Cement mortar 1:3 (1 cement : 3 fine sand)								
		staircase	1	3.0	4.8	-	14.40			
							14.40	sqm.		
10	(P.No.-111.C.N.12.1)	Applying cement slurry on R.C.C. slab or cement concrete work using 2.75 kg/ sqm for receiving cement concrete floor including roughening cleaning etc complete								
						same item no. 09	14.40	sqm.		
11	(P.No.-106,C.N.11.32)	moulded mortar band in cement mortar 1:4 per cm width a(18mm thick)	7	72.60	-	-	508.20	Mtr.		
DOOR & WINDOW										

S. N.	Code No.	Item Work	No.	Length	B.	D/H	Qty.	Unit	Rate	Amount
12	(P.No.-81,C.N.9.16	Providing and fixing M.S. frames of doors, windows and ventilators joints mitred 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. 9.11.2 Angle-iron frames Equal angle size 40x40mm (4mm thick)								
		D2	1	6.40	-	-	6.40			
							6.40	Mtr.		
					2.40 kg/ mtr		15.36	kg.		
13	(P.No.-56,C.N.8.12.2.)	Providing and fixing flush door shutters 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 8.10.2 35 mm. thick (single leaf)								
		D2	1	1.10	-	2.10	2.31			
							2.31	sqm.		
STEEL & ALUMINIUM WORK										
14		door fitting items								
	8.77.1	bult hinges 125x85x5.5mm (heavy)	6	-	-	-	6.00	Each		
	8.60.1	sliding door bolt 300x16mm	2	-	-	-	2.00	Each		
	8.80.2	door each 250x16x5mm	2	-	-	-	2.00	Each		
	8.62.3	tower bolt 150x10mm	2	-	-	-	2.00	Each		
	8.65.1	handle 125mm	2	-	-	-	2.00	Each		
	8.76	P/F hanginh door stopper	1	-	-	-	1.00	Each		

S. N.	Code No.	Item Work	No.	Length	B.	D/H	Qty.	Unit	Rate	Amount
FLOORING WORK(WATER PROOFING										
15	(P.No.-32,C.N.4.22)	Providing water proofing treatment with sealer coat and diamond shield (Grey) product of Weathertuff in the severely affectedleakage area.	1	246.00	sqm	-	246.00	sqm.		
16	(P.NO-30,C.N.4.13)	4.13 Grading roof for water proofing treatment with: 4.13.1 Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	1	246.00	-	0.07	15.99	cum		
PAINTING WORK										
17	(P.NO-133,C.N.14.13,)	Providing and applying 2mm thick ready mix exterior grade putty (Birla wall care, Alltek Superfine W/R of (NCL), J.K. wall putty) on walls to make the surface smooth and even. (interior & exterior)	same as item no. 7+8+9				242.98	sqm.		
18	(P.NO-133,C.N.14.12)	14.12 Applying one coat of cement primer on wall surface (applied @ 0.80 litrs/10 sqm) complete.	same as item no. 7+8+9				242.98	sqm.		
19	(P.NO-132,C.N.14.9.1.)	Distempering with acrylic washable distemper. 14.5.1 On new work (Two or more coats) for interior	same as item no. 7+8+9				242.98	sqm.		
20	(P.NO.-133,C.N.14.16.1)	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) sqm 74.50	same as item no. -07				191.89	sqm.		
									Total Rs.	

S. N.	Code No.	Item Work	No.	Length	B.	D/H	Qty.	Unit	Rate	Amount
21	(+) Add	7% (Electrical installation for Internal & External)							Rs.	
22	(+) Add	4% (Sanitary& Water installation for Internal & External)							Rs.	
									Total Rs.	
Total Cost of Terrace Floor									Say Rs.	

Note: - Any item may be changed at the time of execution of work with prior permission of superintendent physical plant as per site and other condition

INDIRA GANDHI AGRICULTURE UNIVERSITY RAIPUR (C.G.)
BOQ OF PLINTH PROTECTION FOR TRANSIT HOSTEL AT RAIPUR (C.G.)

[As per P.W.D.- Building S.O.R. in Force From 1Jan 2015] Length

S.N.	Code No.	Item Work	No.	Length	B.	D/H	Qty.	Unit	Rate	Amount
and Earth filling										
1	(Page No.- 09, Code No.- 1.1.1)	Excavation in all types of soils for all types & size of foundation and drains including disposal of excavated stuff up to 50 m lead & alift up to 1.5 m including dressing and levelling of pits and disposed stuff as directed by Engineer .								
		COL.	26	1.00	1.00	1.20	31.20	Cu.M.		
2	(P.NO.- 11,C.N.-1.17)	Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm in depth onsolidating each deposited layer by amming and watering with a lead upto 50 M. and lift upto 1.5 M.	@70% of excavated soil				21.84	Cu.M.		
Shuttering & Formwork										
3	(P.No.- 15,C.N. 2.1.1)	Providing and fixing formwork l/c centering, shuttering, strutting, staging, propping bracing etc. completed including its removal for								
		Foundation, Footing, base of columns and plinth beam in any shape and size upto plint level.								
		For base & footings								
		C1/F1	26X4	0.90	-	0.10	9.36			
		C1/F1	26X4	0.75	-	0.20	15.60			
		column upto plinth								
		C1/F1	26X2	0.40	-	1.80	37.44			
		For plinth beam								
		B1	1	80.00	-	0.20x2	32.00			
		B1	26	1.20	-	0.20x2	12.48			
		TOP BASE	1	80.00		0.10x1	16.00			
		(Page No.- 16, Code No.-2.1.1)					122.88	Sq.M.		
4	(P.No.- 11,C.N. 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.								

S.N.	Code No.	Item Work	No.	Length	B.	D/H	Qty.	Unit	Rate	Amount
		Sand filling	26	1.00	1.00	0.10	2.60	Cu.M.		
		Moorum filling	1	80.00	1.00	0.70	56.00	Cu.M.		
RCC WORK										
5	(P.NO.-22,C.N. 3.1.3)	Providing and laying nominal mix cement concrete with crushed stone aggregate using concrete mixer in foundation, plinth and at ground level excluding cost of form work., (C.N. 3.1.2) 1:3:6 (1 cement : 3 coarse sand : 6graded stone aggregate 40mm nominal size).								
		C1/F1	26	1.00	1.00	0.10	2.60			
		top	1	80.00	1.20	0.10	9.60			
							12.20	Cu.M.		
6	Page no.23,Code no. 3.2	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. 3.2.1 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).								
		C1/F1	26	0.75	0.75	0.20	2.93			
		column upto plinth	26	0.20	0.20	1.80	1.87			
		For plinth beam B1	1	80	0.20	0.20	3.20			
		For plinth beam B1	26	1.2	0.20	0.20	1.25			
							9.25	cum.		
7	(P.No.-24,C.N. 3.14.1))	Providing and placing in position steel reinforcement for R.C.C. work including cutting. Bending, binding etc. complete as per drawings including cost of binding wire and including all wastage etc. complete (3.14.1) T.M.T. BARS	(RCC WORK @ 80KG/CUM.)							
							739.60	K.g.		
CK WORK										
8	Page no.45,Code no. 7.5	7.5 Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in: - 7.5.4 Cement Mortar 1:6 (1 cement : 6 coarse sand)								
			1	80	0.20	0.45	7.20	Cu.M.		

S.N.	Code No.	Item Work	No.	Length	B.	D/H	Qty.	Unit	Rate	Amount
			26	1.2	0.20	0.45	2.81	Cu.M.		
ERING WORK										
9	(P.No.- 103,C.N.11.3. 3)	15mm thick cement plaster on the rough side of single or half brick wall of mix: Outer side of walls (1:5)	2	80.00	-	0.45	72.00	sqm.		
ING WORK										
10	(P.NO.- 133,C.N.14.1 4)	finishing wall with water proofing cement paint of required shade to give an even shade. (2 more coat)					36.00	sqm.		
11	(P.No.- 112,C.N.12.9. 1)	12.10 Providing and laying rectified ceramic glazed floor tiles of size 300x300mm and above conforming to IS : 15622 of approved 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. 12.10.1Size 300x300mm	1	80.00	-	1.20	96.00	Sq.M.		
									Total Rs.	
SAY Cost									Rs.	

INDIRA GANDHI AGRICULTURE UNIVERSITY RAIPUR (C.G.)

BOQ OF TUBE WELL WITH SUBMERSIBLE PUMP (1 NOS)

[As per P.W.D.- Building S.O.R. in Force From JAN 2015]

S. No.	Item	No.	L.	B.	H/D	Qty.	UNIT	RATE	AMOUNT
	(P.No.-201,C.N.21.17)								
1	Carrying out the resistivity survey by VES method using Schlumberger configuration for locating the proper spot for drilling of tube well with in 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)	3	-		...	3.00	point		
	(P.No.-198,C.N.21.20)								
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.								
	21.2.1.3 150 mm dia.	1	150	--	...	150.00	mtr		
	(P.No.-199,C.N.21.50)								
3	21.5 Supplying, assembling, lowering and fixing in vertical position in bore well, ISI marked G.I. casing pipe (Plain) medium class in 4 to 7 meters length one end fitted with socket as per IS: 1239 (Part-1&Part-2) 1992 with IVth revision (Up-to-date amendments), of reputed & approved make, including required hire & labour charges, fittings & accessories, all complete, for all depths, as per direction of Engineer- in-charge. 21.5.3 150 mm nominal dia	1	50	--	...	50.00	mtr		
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	2	-	-	-	2.00	Each		

	(P.No.-201,C.N.21.17)								
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.	2	-	-	-	2.00	Each		
	Electrical sor 2015								
6	P-88.C.N.-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 50 mm X 6 mm MS flat, connection with suitable submersible cable of standard length etc. as required. 26.3.3 2.0 HP, single phase	1	-	--	...	1.00	Each		
7	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 interconnection 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) 25 A "C" curve DPMCB 1 No d) Voltmeter 0-250 V 1 set e) Ammeter 0-10 A 1 set Each 4125.00	1	-	--	...	1.00	Each		
8	26.15 Supplying and making water proof joint with heat shrinkable joint kit including copper ferrules for following size of 3 core submersible copper conductor cable of 1.1 KV grade as required. 26.15.2 3x2.5 sqmm Each 275.00	1	-	--	...	1.00	Each		
9	26.14 Supplying, laying and fixing following size submersible cable along with GI/PVC/HDPE pipe line or laid in ground etc as required 26.14.2 3x2.5 sqmm Metre 67.50	110	-	--	...	110.00	mtr		
							1 nos	Total Rs.	

SAY RS.

Note: - Any item may be changed at the time of execution of work with prior permission of superintendent physical plant as per site and other condition

INDIRA GANDHI AGRICULTURE UNIVERSITY RAIPUR (C.G.)

BOQ OF RAINWATER HARVESTING SYSTEM

[As per P.W.D.- Building S.O.R. in Force From 1 Jan. 2015]

S.N.	Code No.	Item Work	No.	Length	B.	D/H	Qty.	Unit	Rate	Amount
1	(Page No.- 09, Code No.- 1.1.1)	Excavation in all types of soils for all types & size of foundation and drains including disposal of excavated stuff up to 50 m lead & alift up to 1.5 m including dressing and levelling of pits and disposed stuff as directed by Engineer .	1	3.00	3.00	3.00	27.00	Cu.M.		
2	Page no. 381, Code no. 24.70	21.14 Supplying, filling, spreading & leveling stone boulders/ Gravels/ Coarse sand, in recharge pit, in the required layers and thickness, for all leads & lifts, all complete as per direction of Engineer-in-charge. (excavation of pit will be paid separately).								
3		21.14.1 Stone boulders of size range 5 cm to 20 cm, in recharge pit cum 863.00	1	3.00	3.00	1.0	9.0	cum		
		21.14.2 Gravels of size range 5 mm to 10 mm, over the existing layer of boulders cum 806.00	1	3.00	3.00	1.0	9.0	cum		
		21.14.3 Coarse sand of size range 1.5 mm to 2 mm over existing layer of gravel cum 471.00	1	3.00	3.00	1.0	9.0	cum		
6	CGPWD - SOR Page no.201, Code no. 21.19	21.19 Providing and fixing 80-100 mm dia PVC ball valve for inlet/ outlet of rain water harvesting pipe and filter.	2				2.0	Each		

S.N.	Code No.	Item Work	No.	Length	B.	D/H	Qty.	Unit	Rate	Amount
7	CGPWD - SOR Page no.201,Code no. 21.18	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	-	-	200	ltr		
1NOS									Total Rs.	
2NOS									Total Rs.	
									Say Total Rs.	

Note: - Any item may be changed at the time of execution of work with prior permission of superintendent physical plant as per site and other condition

INDIRA GANDHI AGRICULTURE UNIVERSITY RAIPUR (C.G.)

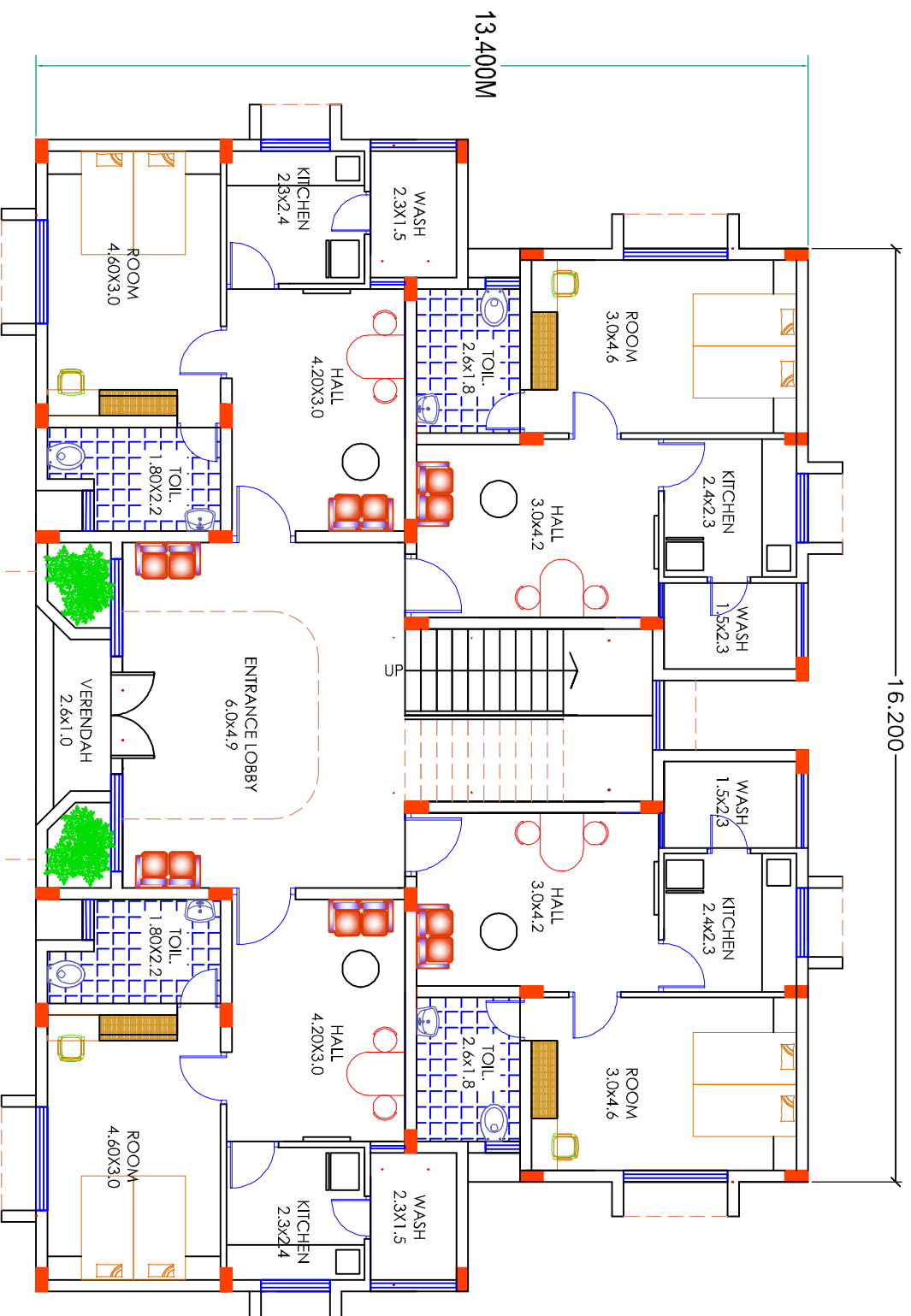
BOQ OF PROPOSED C.C.ROAD FOR TRANSIT HOSTEL - RAIPUR

1	LENGTH OF ROAD	20.00	Mtr.
2	WIDTH OF CC ROAD	3.60	Mtr.
3	MOORUM FILLING	0.60	Mtr.
4	PCC M 10	0.10	Mtr.
5	PCC M 30	0.20	Mtr.
6	TOTAL DEPTH	0.90	Mtr.

Estimate based on SOR for Road Works, C.G., P.W.D. w.e.f 01-01-2015

S.No.	C.NO.	Particular's of Item	No.	Length	Width	H/D	Quantity	Unit	Rate	Amount
1	{Page.No.-11, Item No.-3.1].	3.1 Excavation for roadway in soil using including loading in truck for carrying of cut earth to embankment site with all lifts and lead upto1000 meters as per relevant clauses of section 300.	1	20.00	3.60	0.30	21.60			
							21.60	CUM		
2	{Page.No.-15 Item No.-4.1B].	Construction of sub base as per table -400-1								
		B(i) Disintegrated rock i.e. Moorum having value of CBR not less than 20 & value of PI & LL not more than 6 & 20 respectively.	1	20.00	3.60	0.45	32.40			
		shoulder both side	2	20.00	1.00	0.45	18.00			
							50.40	Cum		
3	{Page.No.-27, Item No.-6.6].	Providing and laying cement concrete for plain concrete/ reinforced concrete i/c form work, shuttering complete in as per drawings and specifications.(For Village roads)								
bottom	(iii)	PCC M-10	1	20.00	3.60	0.10	7.20			
							7.20	Cum		
top	(iv)	PCC M-30	1	20.00	3.60	0.20	14.40			
							14.40	Cum		
									Total Rs.	
Total Cost of Road									Say Rs.	

Note: - Any item may be changed at the time of execution of work with prior permission of superintendent physical plant as per site and other condition



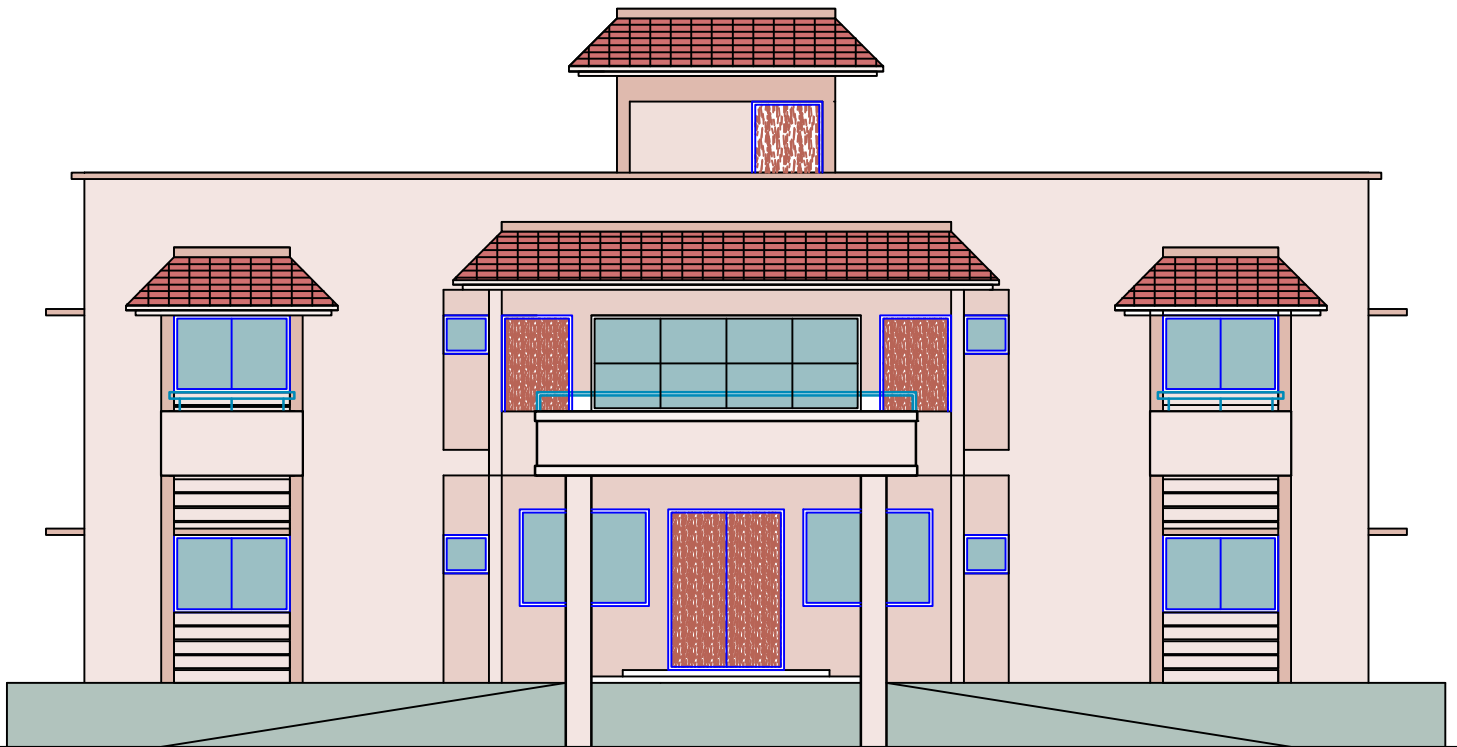
BUILT UP AREA
260.00 SQM INCLUDING PORCH

GROUND FLOOR PLAN
PROPOSED TRANSIT HOSTEL FOR I.G.K.V-RAIPUR

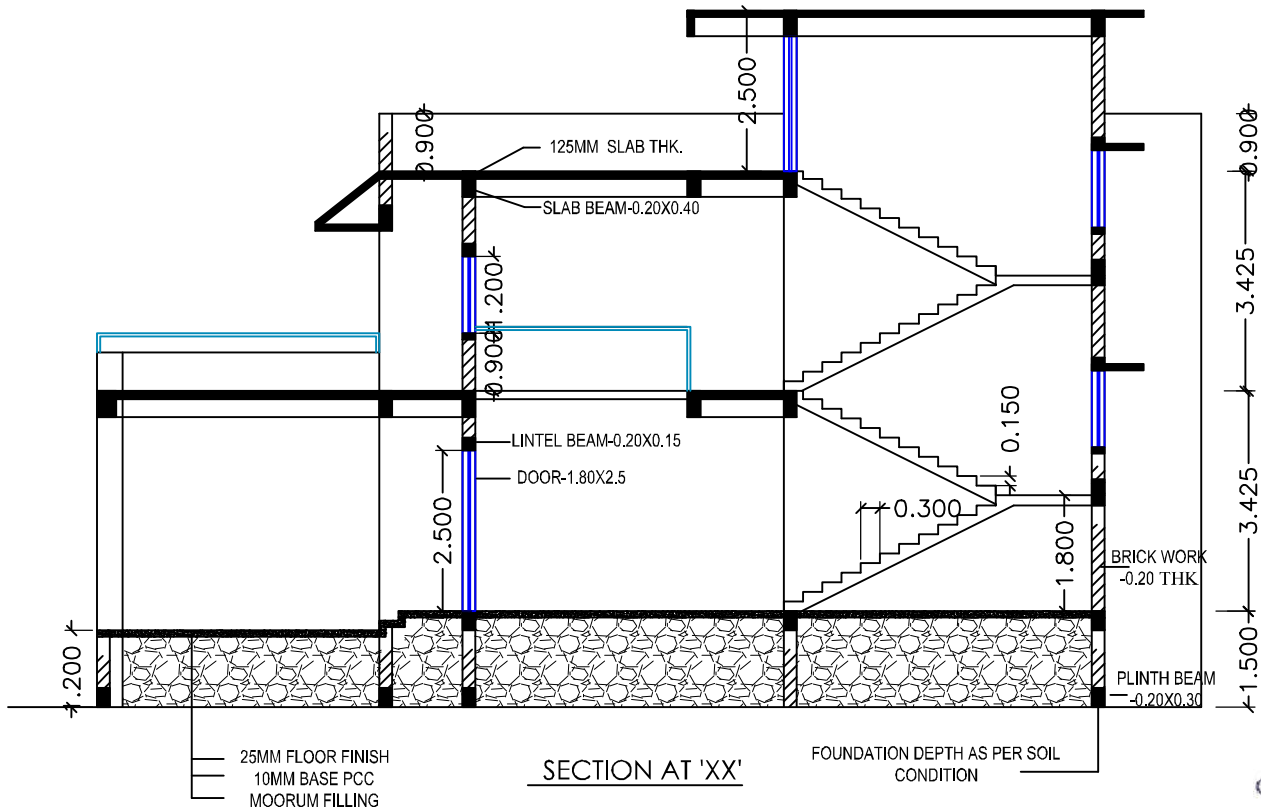
ASST.ENG.

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FRONT ELEVATION



SECTION AT 'XX'

PROPOSED TRANSIT HOSTEL FOR I.G.K.V-RAIPUR

ASST.ENG.

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