

**CIVIL AND ARCHITECTURAL WORKS FOR EXHIBITION HALL, SOLAR SHOP AND TOILTE BLOCK OF PROPOSED
STATE LEVEL ENERGY PARK AT SIDDU-KANU UDYAN, RANCHI, JHARKHAND, INDIA**

Serial No.	Description	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
1	Earthwork in excavation in foundation trenches in ordinary soil and disposal of excavated earth as obtained to a distance upto 50 M. including all lifts, levelling, ramming the foundation trenches, removing roots of trees, shrubs all complete as per approved design, building specification and direction of E/I.	Cu.M.	1159.7		
2	Filling in foundation trenches and plinth in layers not exceeding 150 mm. thick well watered, rammed, fully compacted and fine dressed with earth obtained from excavation of foundation trenches within a lead of 50 M and lift of 1.5 M. all complete as per building specification and direction of E/I. (Mode of measurement: Compacted volume)	Cu.M.	226.57		
3	Providing coarse clean sand in filling in plinth including ramming and watering in layers not exceeding 150 mm. thick with all leads and lifts including cost of all materials, labour, royalty and taxes all complete as per building specification and direction of E/I. (Mode of measurement: Compacted volume)	Cu.M.	931.25		
4	Providing designation 75 A one brick flat soling joints filled with local sand including cost of watering, taxes, royalty all complete as per building specification and direction of E/I.	Sq.M.	1774.3		
5	Providing PCC M-150 with nominal mix of (1:4:8) in foundation with approved quality of stone metal grade III (50mm. to 25mm.), size clean coarse sand of F.M. 2.5 to 3 including screening, shuttering, mixing cement concrete in mixer and placing in position, vibrating, striking, curing, taxes and royalty all complete as per building specification and direction of E/I.	Cu.M.	195.17		
6	Providing designation 75 A brickwork in C.M. (1:4) in foundation and plinth with approved quality of clean coarse sand of F.M. 2 to 2.5 including providing 10 mm. materials, raking out joints to 15 mm. depth, curing, taxes and royalty all complete as per building specification and direction of E/I.	Cu.M.	72.00		

B/F

C/O

Schedule No.	Serial No.	Description	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
	7	Providing RCC M 20 grade with nominal mix of (1:1.5:3) in foundation and superstructure with approved quality of stone chips 20mm. to 6mm. Size graded and clean coarse sand of F.M. 2.5 to 3 including screening, shuttering, vibrating mixing cement concrete in mixer and placing in position, striking, curing (but excluding the cost of reinforcement,taxes and royalty) all complete as per building specification and direction of E/I.				
	a	in all works below plinth	Cu.M.	135.18		
	b	in walls, columns, pillars, buttresses and struts	Cu.M.	44.32		
	c	in plinth beams, beams, girders, buttresses, roofs, stairs	Cu.M.	179.5		
	8	Providing Tor steel reinforcement of HYSD bars as per approved design and drawing excluding carriage of rods (straight or in coils) to work site, cutting, bending and binding with annealed wire with cost of wire, removal of rust, placing the rods in position all complete as per specification and direction of E/I.				
	a	8 mm. TMT Fe 415	MT.	10.08		
	b	10mm. & 12 mm. TMT Fe 415	MT.	13.25		
	c	16 mm. TMT Fe 500	MT.	15.09		
	d	20mm. & 25 mm. TMT Fe 415	MT.	27.65		
	9	Extra for centering and shuttering in R.C.C. work of beam, and column in foundation and plinth (having similar design and specification as for such works in superstructure) as per specification and direction of E/I.	Cu.M.	359		
	10	Providing 250 thk. Bkwork in C.M.(1:4) using Rat-trap bond in superstructure with approved quality of clean coarse sand of F.M. 2 to 2.5 including providing 10mm. Thick mortar joints, costs of screening, materials, scaffolding, raking out joints to 15 mm. depth curing, taxes and royalty all complete as per building specification and direction of E/I.	Cu.M.	202.50		
	11	Providing 125 mm. thick reinforced brickwork designation 75 A (1:4) in superstructure with approved quality of clean coarse sand of F.M. 2 to 2.5 including the cost of screening, carriage of materials, scaffolding, raking out joints to 15 mm. depth, curing, taxes and royalty all complete as per building specification and direction of E/I.	Sq.M.	100.08		
	12	Extra for providing and placing in position 2 Nos 6 mm dia. M. S. bars at every third course of half brick masonry.	Sq.M.	100.08		

B/F

C/O

Schedule No.	Serial No.	Description	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
	13	Providing 12 mm. cement plaster (1:3) with clean course sand of F.M. 1:5 including screening, curing with all leads and lifts of water, scaffolding, taxes and royalty all complete as per building specification and direction of E/I.	Sq.M.	1179.00		
	14	Providing 25 mm. thick water-proof cement plaster (1:3) with clean course sand of F.M. 1.5 with 5% cico or any other approved water-proofing compound including screening, curing with all leads and lifts of water, scaffolding, taxes and royalty all complete as per building specification and direction of E/I.	Sq.M.	467.00		
	15	Providing and fixing anodized aluminium doors, windows, ventilators and partitions with extruded built up standard tubular and other section of approved make conforming to IS: 733 and IS:1285, anodized transparent or dyed to required shades according to IS: 1868 (Minimum anodic coating of grade AC 15), fixed with rawl plugs and screws or with fixing clips or with expansion hold fasteners including necessary filling up of gaps at junction at top, bottom and sides with required PVC/neoprene felt etc. Aluminium snap beading for glazing/paneling, C. P. brass/stainless steel screws all complete as per architectural drawings and direction of E/I.				
	a	fixed position	Sq.M.	21.6		
	b	For shutters of door, windows & ventilators including providing and fixing hinges/pivot and making provision for fixing of fittings wherever required including the cost of PVC (Neoprene gasket, required fittings shall be paid for separately)	Sq.M.	53.04		
	16 a	door frame	Cu.m.	0.23		
	16 b	Supplying, fitting and fixing of 30mm. Thick solid core type non-decorative single leaf flush shutters in doors with block board core blended with high quality phenol formaldehyde synthetic resin both side commercial vineer.	Sq.M.	24.74		

B/F

C/O

Schedule No.	Serial No.	Description	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
	17	Providing and laying 25 mm. thick white Makrana marble stone slab of approved quality over 25 thick underbed or 12 mm. thk backing base of cement mortar laid and joined with white cement slurry including rubbing and polishing to granolithic finish with approved quality of carborandum stone including cost of curing, taxes and royalty all complete as per building specification and direction of E/I.				
	a	in floors (2400MM. X 2400 MM.)	Sq.M.	660.0		
	b	in risers of steps, skirting and pilars (2400 MM. strips)	Sq.M.	165.0		
	18	Providing and laying 6mm. Precast white "A" grade glazed tiles (15cm. X 15 cm.) in walls over 12mm. C.M. (1:3) and jointed with grey cement slurry flush pointed with white cement including rubbing, polishing and cost of curing, taxes and royalty all complete as per building specification and direction of E/I.	Sq.M.	106.0		
	19	Providing two coats of oil bound distemper of approved shade and make over a coat of cement primer over new surface including preparing the plastered surface by rubbing smooth with pumice stone or fine sand paper, applying putty wherever required, scaffolding, washing of floors and taxes all complete as per building specification and direction of E/I.	Sq.M.	1179.00		
	20	Providing two coats of snowcem of approved shade and make over a coat of cement primer on new surface including preparing the plastered surface smooth with sand paper, scaffolding, curing and taxes all complete as per building specification and direction of E/I.	Sq.M.	467.00		
	21	Fixing of 40 mm. thick rough chisel dressed Sandstone blocks as per design in walls over brickwall true to plumbline using sand cement underbed 12 mm. thick of 1:3 ratio.	Sq.M.	420.3		
	22	Fixing of 40 mm. thick rough chisel dressed Sandstone blocks as per design in plaza over PCC true to water level using sand cement underbed 12 mm. thick of 1:4 ratio.	Sq.M.	944.6		

TOTAL