

PRICE BID

Name of work : Detailed Estimate for Construction of Control Room Building (CMCS), Stores Bldg, Civil Works for Switchyard & Security Room at 50 MW Solar Power plant of NTPC, Mandsuar, MP.

S. NO	DESCRIPTION OF ITEM	UNIT	QTY	WEIGHTAGE RATE IN PERCENTAGE (%)	AMOUNT (INR)
EARTH WORK					
1	Earth work in excavation over areas (Exceeding 30 cm in depth, 1.50 mtrs in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50 mtrs and lift upto 1.5 mtr, disposed earth to be levelled and neatly dressed in all type of soil as per the directions of Engineer In charge.(DSR: 2.6.1)	CUM	200	0.17	
	Extra for every additional lift of 1.5 m or part thereof in excavation / banking excavated or stacked materials. All kinds of soil(DSR: 2.6.1 + 2.26.1)	CUM	10	0.01	
2	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30 cm in depth, 1.5m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50 m and lift upto 1.5 m, disposed earth to be levelled and neatly dressed in Ordinary rock(DSR: 2.7.1)	CUM	900	1.2	
	Extra for every additional lift of 1.5 m or part thereof in excavation / banking excavated or stacked materials. Ordinary Rock (DSR: 2.7.1 + 2.26.2)	CUM	300	0.52	
5	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30 cm in depth, 1.5m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50 m and lift upto 1.5 m, disposed earth to be levelled and neatly dressed earth work in hard rock (blasting prohibited)(DSR: 2.7.3)	CUM	100	0.33	
	Extra for every additional lift of 1.5 m or part thereof in excavation / banking excavated or stacked materials. hard rock (DSR: 2.7.3 + 2.26.2)	CUM	680	2.52	
6	Filling available excavated earth (excluding rock) in trenches plinth, sides of foundations etc., in layers not exceeding 20 cm in depth consolidating each deposited layer by ramming and watering, lead upto 50 mtrs and lift upto 1.50m as per the directions of Engineer In charge(DSR: 2.25)	CUM	838.68	0.47	
7	Extra over for carriage of excavated earth/selected materials for every 1 km or part thereof beyond an initial lead of 50m.	CUM	1339.12	0.36	
8	Supplying and filling sand upto any depth under floors, around foundations, plinths etc. in layers not exceeding 250 mm thickness and compacted so as to achieve at least 80% relative density as per IS-2720 (Part-XIV) including spreading, watering, ramming/compaction by manual / mechanical means, dressing, royalty (if any) etc. all complete.	CUM	111	0.5	
CONCRETE WORK					
9	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)(DSR: 4.1.6)	CUM	31.4875	0.82	
10	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)(DSR: 4.1.3)	CUM	100	3.03	
11	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:1½:3 (1 Cement: 1½ coarse sand: 3 graded stone aggregate 20 mm nominal size)(OR APPROVED DESIGN MIX).(DSR: 4.1.2)	CUM	20	0.66	
12	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge. All works upto plinth level(RCC footings,septic tank,cable trench, soak pit etc.)(DSR: 5.33.1)	CUM	189.52	6.68	
13	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge. All works above plinth level upto floor V level.(DSR: 5.33.2)	CUM	170.04	6.61	
14	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size).(DSR: 4.1.5)	CUM	140	3.79	
FORM WORKS					
15	Centering and shuttering including strutting, propping etc., and removal of form for at all heights and levels for Footing, foundations, septic tank, soak pit, bases of columns etc for mass concrete at all height and levels(DSR: 5.9.1)	SQM	496	0.56	
16	Centering and shuttering including strutting, propping etc. and removal of form for :Columns, pillars, piers, abutments, posts and struts etc., at all height and levels(DSR: 5.9.6)	SQM	486	1.19	

S. NO	DESCRIPTION OF ITEM	UNIT	QTY	WEIGHTAGE RATE IN PERCENTAGE (%)	AMOUNT (INR)
17	Centering and shuttering including strutting, propping etc. and removal of form for :Lintels, Beams, plinth beams, girders, bressumers and cantilevers etc., at all height and levels(DSR: 5.9.5)	SQM	324	0.57	
18	Centering and shuttering including strutting, propping etc. and removal of form for :Roofs, Suspended floors, landings, balconies & access platform etc., at all height and levels(DSR: 5.9.3)	SQM	648	1.35	
19	Centering and shuttering including strutting, propping etc. and removal of form for :Staircases at all height and levels(DSR: 5.9.7)	SQM	162	0.36	
REINFORCEMENT					
20	Providing and laying in position reinforcementfor RCC work including straightening, cutting, bending, placing in position and binding for bars with 16 gauge G I wires welding of reinforcement where required, providing cover to reinforcement all complete in THERMO MECHANICALLY TREATED BARS(DSR: 5.22.6)	MT	39.5516	16.54	
WATER PROOFING WORKS					
21	Providing and laying underbed grading plaster with cement mortar 1:4 (1 cement : 4 sand) and average thickness of 25 mm including preparation of surface, batching, mixing, leveling etc. all complete.	SQM	300	0.34	
	Providing and applying bitumen felt water proofing for normal treatment having bonding materials consisting of blown type conforming to IS: 702 or residual bitumen conforming to IS: 73 or a mixture of the two with one layer of felt consisting of five courses and with a minimum overlap of 75 to 100 mm of felt including preparation of surfaces etc all complete. (For description of layers refer specification)				
22	With hessian base felt	SQM	4	0.01	
23	Providing and laying in situ five course water proofing treatment with APP (Atactic Polypropylene) modified Polymeric memberane over roof consisting of first coat of bitumen primer @ 0.40Kg per sqm, 2nd & 4thcourses of bonding material @ 1.20 kg/sqm, which shall consist of blown type bitumen of grade 85/25 conforming to IS : 702, 3rd layer of roofing membrane APP modified Polymeric membrane 2.0 mm thick of 3.00 Kg/sqm weight consisting of five layers prefabricated with centre core as 100micron HMHDPE film sandwiched on both sides with polymeric mix and the polymeric mix is protected on both side with 20 micron HMHDPE film.5th, the top most layer shall be finished with brick tiles of class designation 10 grouted with cement mortar 1:3 (1 cement : 3 fine sand) mixed with 2% integral water proofing compound by weight of cement over a 12 mm layer of cement mortar 1:3 (1 cement : 3 fine sand) and finished neat (item of laying brick tiles shall be paid for separately).(DSR: 22.16)	SQM	432	0.87	
MS EMBEDMENTS					
Embedments including all labour, material, equipment, transportation, handling etc. at any level as per specification, drawings and as directed by engineer - in - charge.					
24	Supply, Fabrication, transportation, delivery at site and erection, installation and alignment of mild steel foundation bolt assembly conforming to IS:2062 and grade 1 of IS:432 in concrete along with nuts, lock nuts (as per IS:1363, 1364 and IS:3138), washers, anchor plates, stiffner plates, protective tape, pipe sleeves, templates etc. including welding, cutting, grinding, threading, drilling etc. all complete.	MT	0.5	0.32	
GROUTING					
Grouting including all labour, material, equipment, roughening surface, cleaning, ramming, curing etc. at any level unless otherwise specified as per specification, drawings and as directed by engineer - in - charge.					
25	Providing & grouting of pocket holes, pipe sleeves and under base plates of structural steel work/ machinery/ pipe supporting structures including roughening of surface, cleaning, ramming, curing etc. all complete with ConbextraGP-1 or equivalent . (Cost of all material and cleaning of the pockets by compressed air shall be in the scope of the contractor).	CUM	0.3	0.12	
DOORS, WINDOWS, VENTILATORS, LOUVERS					
Doors, windows, ventilators, louvers, roof ventilators, rolling shutters, partitions including all labour, material, equipments, transportation, handling, preparation of working drawings etc. at any level as per specification, drawings and as directed by engineer - in - charge.					
26	Providing and fixing wooden frame conforming to IS 4021 made of best quality seasoned CP teakwood free from large or loose knots, cracks or other defects including sand paper smoothening, hold fasts, beading, primer and finish painting / polishing etc. all complete with proper wood joinery, accurately set to required lines or levels and rigidly secured in place. (Finish painting / polishing paid separately)	CUM	0.279	0.22	

S. NO	DESCRIPTION OF ITEM	UNIT	QTY	WEIGHTAGE RATE IN PERCENTAGE (%)	AMOUNT (INR)
27	Providing, fitting and fixing solid core flush door shutter as per IS 2202 part II, 35mm thick homogenous particle board bonded with BWP type phenolformaldehyde synthetic resin, particle board core conforming to IS 3087 type I, 35x12 mm thick teakwood beading all around including preparation of working drawings. godrej or equivalent make mortice lock with handles on both sides, approved ISI mark anodised fittings like door stopper, 300mm long tower bolts, 16x300mm long aldraps, 125mm long handles on both sides etc. butt hinges, sliding bolt, knobs, (all fittings shall be anodised aluminium color dyed), finish synthetic paint over primer, screws etc. all complete as per drawing, specification and instruction of engineer in charge. with commercial faces and teak wood edges. (Finish painting paid separately)	SQM	2	0.06	
	Providing and fixing steel windows/ventilator with steel sections as per IS:1038, IS:1361 & IS:7452 latest revision. including all fittings, metal beadings, hold fasts, shop and final painting, glazing etc. all complete. (Glazing shall be paid separately)				
28	openable type	SQM	10	0.21	
29	fixed type	SQM	5	0.1	
30	Providing and fixing anodised aluminium work of Jindal, Hindalco or other equivalent approved make for door frames, windows, ventilators, partitions, railing etc with extruded standard tubular and other sections including all fittings & fixtures and accessories of approved make conforming to IS733 and IS1285, anodised and electro color dyed to required shade according to IS 1868 (minimum anodic coating of grade AC15), fixed with rawl plugs, expansion fasteners, SS screws or with fixing clips, including necessary filling of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt for bi-metallic protection etc. including preparation of working drawings, aluminium cleat angle, aluminium snap-on-beading for glazing/panelling, stair case tread nosing, with all fittings and fixtures (like tower bolts, handles, door stopper with rubber shoes, 'L' drops, stays, floor springs, hydraulic door closures etc.), CP brass/stainless steel screws, providing and fixing hinges/pivots, and making provision for fixing of fitting wherever required including cost of PVC/neoprene gasket, all complete as per drawing, specification and instructions of engineer in charge (Glazing and panelling shall be paid separately). Weight of aluminium section only shall be measure.	Kg	800	2.71	
	Providing and fixing of door closers as per IS 3564, of approved make & quality all complete of following type :				
31	Over head hydraulic door closures	Each	5	0.06	
	Providing and fixing in position rolling shutter of hot rolled double dipped galvanised steel lath section of 18 SWG tested mild steel strips at 75mm rolling centres interlocked together through their entire length and jointed together at the end by end locks mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation including wire springs, top cover, primer & shop coats of approved enamel paint etc, all complete as per IS 6248 and specification of approved make of following types: The bottom lath shall be coupled to a lock plate fabricated from 3mm thick galvanised steel plate and securely rivetted with stiffening angles. (partly coiled and lath/full lath).				
32	Mechanically Operated	SQM	76	2.19	
	Providing, fixing and fitting of glazing of first grade class in steel/aluminium/wooden frames, where ever required, cleaning after fixing including hardware, gaskets, clips, beadings etc. all complete.				
33	4 mm thick clear sheet glass	SQM	115	0.39	
34	4 mm thick clear float glass	SQM	50	0.2	
35	Providing and fixing 10 mm thick frameless toughened glass door shutter of approved brand and manufacture, including providing and fixing top & bottom pivot & spring type fixing arrangement and making necessary holes etc. for fixing required door fittings, all complete as per direction of Engineer-in-charge (Door handle, lock and stopper etc. to be paid separately). DSR 21.18	sqm	10	0.3	
36	Providing and fixing pressed steel door frames conforming to IS: 4351 manufactured from commercial mild steel sheet of 1.60 mm thickness including hinges, jamb, lock jamb, bead and if required angle threshold of mild steel angle of section 50x25mm, or base ties of 1.60 mm pressed mild steel welded or rigidly fixed together by mechanical means, including M.S. pressed butt hinges, 2.5mm thick with mortar guards, lock strike-plate and shock absorbers as specified and applying a coat of approved steel primer after pre-treatment of the surface as directed by Engineer-in-charge: Fixing with adjustable lugs with split tail end to each jamb as per direction of Engineer-in-charge (DSR: 21.18)	meter	24	0.07	

S. NO	DESCRIPTION OF ITEM	UNIT	QTY	WEIGHTAGE RATE IN PERCENTAGE (%)	AMOUNT (INR)
37	Providing and Fixing factory made uPVC door frame made of uPVC extruded sections , of size 65 mm x 55 mm with wall thickness 2.0 mm (± 0.2 mm) , corners of the door frame to be mitred cut and jointed with plastic brackets and stainless steel screws, reinforcing hinge side vertical of the frames with PVC profile of Size 28 mm x 30 mm having wall thickness 2 mm (±0.2 mm), including providing & fixing 3 nos. of 125 mm long stainless steel hinges to the frame, fixing the frame with jamb with required number & size of anchor dash fastners, all complete as per manufacturer's specification and direction of Engineer-in-charge.(DSR: 9.143)	meter	43	0.11	
38	Providing and fixing vertical venetian blinds of approved colour and brand cost is inclusive of supply of materials, fixing, labour charges, transportation all leads, lifts, taxes etc., complete at all heights and levels.	Sqm	27	0.19	
BRICKWORK					
39	Providing and constructing 230 mm thick brickwork with bricks of class designation 7.5 at all levels in CM (1:5) including providing necessary staging, scaffolding curing removing the staging and scaffolding, complete work as per direction of Engineer-in-charge at all height and level (DSR: 6.4.1)	CUM	182.58	4.99	
40	Providing Half brick masonry 115 thick brickwork in CM (1:4) with bricks of class designation 7.5 at all levels including , providing scaffolding curing, removing scaffolding etc., complete work as per direction of Engineer-in-charge. at all height and level(DSR: 6.13.2)	SQM	196	0.63	
41	Providing and laying 75 mm thick bed of dry brick aggregate including of excavation, grouting with sand ,disposal of surplus earth spreading of earth, ramming, watering etc. complete in all respects as directed by the engineer. DSR 16.64	SQM	95.2	0.06	
DAMP PROOF COURSE					
42	Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 using 6mm down stone chips with a water proofing admixtures).with waterproofing compound(DSR: 4.10)	SQM	61	0.09	
CEMENT MORTAR PLASTER					
43	Providing surfaces of External walls such other members with plaster of cement mortar 18 mm thickness to get a plain and even surface, with 12mm thick cement plaster of CM(1:5) & finished with a top layer 6mm thick cement plaster(1:6) with water proofing compound with white cement primer all; labour, materials & providing and removing scaffolding complete at all heights and levels as per direction of Engineer-in-charge(DSR: 13.11)	SQM	697.2	0.86	
44	Preparing the surface with Cleaning & hacking . Providing surface with 12mm Internal Plastering with CM(1:6),for masonry walls & ceilings & applied by hand or mechanically, providing & removing scaffolding at all height and level(DSR: 13.4.2)	SQM	1758	1.43	
45	Providing surfaces of walls outside periphery of chajja etc., with plaster of CM (1:4) 15 mm average thickness to get a plain and even surface finished with a coat of neat floating cement at all levels including providing and removing scaffolding (outside) as per direction of Engineer-in-charge at all height and level(DSR: 13.8.2)	SQM	214	0.25	
FINISHES TO CONCRETE / PLASTERED SURFACES					
Finishes, painting to concrete, plastered surfaces including all labour, material, equipment, surface preparation, scaffolding etc. at any level as per specification, drawings and as directed by engineer - in - charge.					
46	White washing with lime to give an even shade:New work (three or more coats) as per direction of Engineer-in-charge at all height and level(DSR: 13.37.1)	SQM	1075.2	0.08	
47	Two or more coats of Exterior masonry paint (water or solvent base) of special resins, adhesives and additives mixed with fine, hard stone aggregate and suitable pigment. The paint shall be applied on a coat of primer over dried, prepared plaster surface as manufacturers guidelines. The final finished coating shall be fungus resistant, UV resistant, water repellent, alkali resistant and extremely durable with color fastness as per specification.	SQM	18	0.01	
48	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade , new work (two or more coats) over and including priming coat with cement primer as per direction of Engineer-in-charge at all height and level(DSR: 13.41.1)	SQM	938	0.42	
49	Painting with silicon & acrylic emulsion based water thinnable sealer of approved brand and manufacture on wet or patchy portion of plastered surfaces: (two or more coats) (scada room) as per direction of Engineer-in-charge at all height and level(DSR: 13.51.2)	SQM	103	0.05	
50	Providing and applying 2 or more coats of acid/alkali resistant paint of approved brand and colour to floors, walls and ceiling including preparation of surface to receive paint, providing and applying bitumen primer conforming to IS 158 complete all as per manufacturer's recommendations and as approved by engineer, at all heights above or below grade level, complete as per specifications.	SQM	142	0.34	
51	Providing and applying plaster of paris putty of two coats over plastered surface 2mm thickness to prepare the surface even and smooth complete as per direction of Engineer-in-charge. Plaster of Paris conforming to IS:2547 shall be used for punning as per direction of Engineer-in-charge at all height and level(DSR: 13.26)	SQM	1344	0.76	

Bidder neede not fill any price hereThis will be filled populated based on total quoted Price

S. NO	DESCRIPTION OF ITEM	UNIT	QTY	WEIGHTAGE RATE IN PERCENTAGE (%)	AMOUNT (INR)
52	Finishing walls with Acrylic Smooth exterior paint of required shade : New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm). at all height and level(DSR: 13.46.1)	SQM	648	0.29	
FLOORING AND SKIRTING					
Flooring and skirting at any level including base layer, labour, material, equipments, transportation, handling, curing, polishing etc. at any level as per specification, drawings and as directed by engineer - in - charge.					
53	52 mm thick cement concrete flooring with concrete hardener topping, under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume, .hardening compound mixed @ 2 litre per 50kg of cement or as per manufacturers specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete.(DSR: 11.4)	SQM	360	1.02	
54	Providing & laying Kota stone slabs 20 mm thick in risers of steps, skirting, laid on 12 mm (average) thick cement mortar 1:3 (1 cement 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete as per direction of Engineer-in-charge(DSR: 11.27)	SQM	45	0.29	
55	Providing and fixing 18mm thick gang saw cut mirror polished pre moulded and prepolished) machine cut Granite Slabs for kitchen platforms, vanity counters, window sills , facias and similar locations of required size of approved shade, colour and texture laid over 20mm thick base cement mortar 1:4 (1 cement : 4 coarse sand) with joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. as per direction of Engineer-in-charge(DSR: 8.2.2.2)	SQM	20	0.41	
56	Providing and laying heavy duty vitrified floor tiles in different sizes (thickness to be specified by the manufacturer-9mm minimum) with water absorption's less than 0.08% and conforming to IS : 15622 of approved make in all colours and shades, 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. Size of Tile 600x600 mm(DSR: 11.41.2)	SQM	190	1.71	
57	Providing and fixing Granite slab table rubbed, edges rounded and polished of size 75x50 cm deep and 1.8 cm thick fixed in urinal partitions by cutting a chase of appropriate width with chase cutter and embedding the stone in the chase with epoxy grout or with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 6 mm nominal size) as per direction of Engineer-in-charge and finished smooth.(DSR: 8.10.2)	SQM	5	0.1	
58	Providing and fixing 10mm thick acid and/or alkali resistant tiles of approved make and colour using acid and/or alkali resisting mortar bedding and joints filled with acid and/or alkali resisting cement as per IS : 4457 complete as per the direction of Engineer-in- Charge. In dado/skirting on 12 mm thick mortar 1:4 (1 acid proof cement : 4 coarse sand).(DSR: 11.21.1.1)	SQM	55	0.42	
59	Providing and fixing removable type flooring system consisting of fire resistant particle board of size 600X600X35 mm with 0.05 mm thick aluminium foil lining at bottom and with 2 mm thick anti static PVC topping including proprietary floor supporting system for height of 600 mm complete as per specification	SQM	30	1.37	
60	Providing and laying rectified Glazed Ceramic floor tiles 300x300 mm or more (thickness to be specified by the manufacturer-9mm minimum) of 1st quality conforming to IS : 15622 of approved make i, laid on 20 mm thick Cement Mortar 1:4 (1 Cement : 4 Coarse sand) including pointing the joints with white cement and matching pigments etc., complete.(In toilet & pantry) as per direction of Engineer-in-charge(DSR: 11.4)	SQM	99	0.64	
ROOFING / SIDE CLADDING					
Roofing / side cladding work including all labour, material, equipment, transportation, handling, scaffolding, laps, hooks, washers, corner pieces etc. at any level as per specification, drawings and as directed by engineer - in - charge.					
61	Designing, providing and fixing External sheet of Permanent colour coated metal cladding with troughed M.S. sheets of 0.6mm bare metal thickness having minimum yield strength 250 MPa and zinc-aluminium alloy coating not less than 275 gm/sqm total on both sides including fixing to supports / rails by concealed fixing system, corrosion resistant self tapping / self drilling type fasteners with suitable cap, flashing etc. all complete. The exposed face of the sheet shall be permanently colour coated with Polyfluro Vinyl Coating (PVF2) of minimum dry film thickness (DFT) 20 microns over suitable primer. Inner face of the sheet shall be provided with suitable pre-coating of minimum DFT 7 microns over suitable primer. The permanent colour coated sheet shall meet the general requirements of IS : 14246 and shall conform to class 3 for the durability.	SQM	112	1.16	

S. NO	DESCRIPTION OF ITEM	UNIT	QTY	WEIGHTAGE RATE IN PERCENTAGE (%)	AMOUNT (INR)
62	Designing, providing and fixing External sheet of Permanent colour coated metal cladding with high strength tensile steel sheet 0.5mm bare metal thickness having minimum yield strength 350 MPa and zinc-aluminium alloy coating not less than 275 gm/sqm total on both sides including fixing to supports / rails by concealed fixing system, corrosion resistant self tapping / self drilling type fasteners with suitable cap, flashing etc. all complete. The exposed face of the sheet shall be permanently colour coated with Polyfluro Vinyl Coating (PVF2) of minimum dry film thickness (DFT) 20 microns over suitable primer. Inner face of the sheet shall be provided with suitable pre-coating of minimum DFT 7 microns over suitable primer. The permanent colour coated sheet shall meet the general requirements of IS : 14246 and shall conform to class 3 for the durability.	SQM	320	2.87	
63	Providing, fixing and laying light weight mineral fiber tile false ceiling of minimum thickness 15 mm and exposed surface semi-perforated with depth of perforation as 4 mm and humid resistance of 95% RH and fire performance of class 0/1 as per BS 476 with metal suspension grid system with galvanized Tees of section 24 X 38 mm for main runners of approved colour and make as per specification including 50mm thick mineral wool insulation (density 48kg/cum) as per IS:8183 bound in polythene bags on top of panels. Additional hangers and height adjustment clips shall be provided for return air grills, light fixtures. A.C. ducts etc. suitable M.S. channel (minimum MC 75 @ 1.2m) grid shall also be provided above the false ceiling level for movement of personnel to facilitate maintenance of lighting fixtures, AC ducts etc. complete with cut-outs etc. The size of tiles shall be 600 X 600 mm or 600 X 1200 mm. Required MS channel shall be measured & paid extra under respective item unit rate.	SQM	20	0.09	
RAIN WATER DOWN TAKE PIPES					
Rain water down take pipes including all labour, material, transportation, 2 coats of approved paint over one primary coat, fixtures, accessories etc at any level as per specification, drawings and as directed by engineer - in - charge.					
64	Providing and fixing UPVC down take pipes of 160mm diameter- Class 3 as per IS:4985 all complete.	RM	117	0.73	
MISCELLANEOUS WORKS					
Miscellaneous works including all labour, material, equipment etc. at any level unless otherwise specified as per specification, drawings and as directed by engineer - in - charge.					
65	Supplying ,stacking & plaing of aggregate at required position complete as directed by the Engineer-in-charge. 63 mm to 45 mm size stone aggregate. DSR 16.32	CUM	184.25	1.36	
66	Anti termite chemical treatment of soil with Chlorpyriphos/Lindane E.C. 20% with 1% concentration conforming to IS:8944 and as per IS 6313 all complete. (Plinth area of building at ground floor only shall be measured for payment)	SQM	715	0.4	
67	Providing and fixing weep holes in Drains consisting of 100 mm dia HDPE pipe sleeves with single side covering for the pipe mouth with galvanised welded wire fabric of 20 mm sq. opening covered with 40 mm downgraded aggregates in 300 X 300 mm sq. and 300 mm deep size all complete.	EACH	20	0.12	
68	Supply and fixing of hot dip galvanised mild steel posts for fencing. Rate of zinc coating shall not be less than 710 g/m2 on steel posts.	MT	1.05	0.75	
69	Structural steel work any kind of section riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete: For fencing post, grill work, gate, hinges, aldrops, guide track, castor wheel, lock and latch and any similar kind of works etc	MT	0.6	0.25	
70	Providing and fixing G.I chain link fencing with mesh size 75x75 mm and of minimum 4 mm diameter. The chain link fencing material requirement shall confirm to IS: 2721. The chain link fence fabric shall have zinc coating of type heavy as given in IS 4826. The G.I. chain link wire mesh will be stretched and attached by clips to 3 strands of High Tensile Spring Steel (HTSS) wire of 4 mmdia interwoven in chain link wire mesh and kept under tension which in turn are attached to the fence post with security nuts and bolts. On every fourth post a clamping strip (U bolt 3 nos to hold HTSS wire) will be threaded through the links of chain link and bolted to the fence post with the help of security nuts and bolts. On each post 3 nos GI plate shall be provided with nut & bolt to support chainlink fencing. All nuts, fasteners, bolts, clamping strips, clamps, clips, etc. shall be galvanised. IS 4826 .as per drawing	sqm	120	0.42	
71	Providing and fixing GI: Galvanized reinforced twisted barbed wire/tape with double edge profile, twisted around minimum 2.5mm (minimum) galvanized bare wire, between the half Y steel posts of around 400 mm height fitted and fixed with G.I. staples, turn buckles etc. complete IS 278, at all height and level as per drawing	meter	60	0.01	
WATER SUPPLY					
Water supply work including men, material, equipment etc. at any level as per specification, drawings and as directed by engineer - in - charge.					
72	Providing and fixing in position tested heavy duty type chromium plated (CP) brass long neck bib cocks including sockets, union, nuts etc all complete - 15 & 20 mm nominal bore.	EACH	14	0.08	

S. NO	DESCRIPTION OF ITEM	UNIT	QTY	WEIGHTAGE RATE IN PERCENTAGE (%)	AMOUNT (INR)
73	Providing and fixing in position heavy duty brass stop cock of approved quality including all specials etc all complete - 15 & 20mm nominal bore.	EACH	13	0.06	
	Providing and fixing in position heavy duty brass full way valve with wheel of approved quality including all specials etc all complete for following sizes:				
74	25mm nominal bore.	EACH	8	0.07	
75	50mm nominal bore.	EACH	8	0.17	
	Providing and fixing GI pipes class B medium class conforming to IS:1239 pipes shall be concealed and painted with anticorrosive paint, complete for internal works with GI sockets, unions, elbows, tees, nipples etc and clamps including cutting and making good the walls etc all complete for following sizes:				
76	15 mm nominal bore.	RM	25	0.05	
77	20 mm nominal bore.	RM	110	0.25	
78	25 mm nominal bore.	RM	100	0.29	
	Providing and fixing GI pipes class B complete for external work with GI sockets, unions, elbows, tees, nipples etc including trenching & refilling, anti-corrosive paint etc all complete for following sizes:				
79	50 mm nominal bore.	RM	45	0.22	
80	Providing and fixing 610mmx453mmx6mm thk mirror from reputed mirror manufacturer. Mirror shall be mounted with glass adjustable revolving CP brackets with CP screws etc all complete.	EACH	5	0.04	
81	Providing and fixing 25 mm diameter stainless steel towel rails (600mm X 25mm) all complete.	EACH	6	0.04	
82	Providing and fixing stainless steel / C.P. liquid soap dispenser . Dispenser shall be round and easily revolving with removable threaded nozzle and mounted on C.P. brackets etc all complete.	EACH	5	0.02	
83	Providing and fixing glazed vitreous wall mounted paper holder with suitable cover cum cutter fitted with CP screws etc. sll complete.	EACH	4	0.02	
	Providing & fixing in position P.V.C. water tank of Syntex or approved equivalent including making all necessary inlet & outlet pipes, fixture, ball cocks, valves etc all complete for following capacities. GI pipes shall be paid separately under ST No. 2105.				
84	1000 litres capacity	EACH	2	0.12	
85	5000 litres capacity	EACH	1	0.3	
SANITARY WORKS					
Sanitary work including all labour, material, equipment etc. at any level as per specification, drawings and as directed by engineer - in - charge.					
	Supply and fixing glazed vitreous china Wash Basin conforming to IS:2556 part 4 of oval shape with R.S. or C.I. brackets painted white, 15mm chromium plated brass hot & cold faucets with nylon washers, chromium plated brass chain with rubber plug, 32mm chromium plated brass bottle trap and waste of standard pattern, 32mm dia chromium plated brass trap unions, plastic connection pipe with chromium plated nuts, fittings, cutting and making good the walls where required etc all complete.				
86	White	EACH	5	0.17	
87	Providing and fixing stainless steel kitchen sink of size 610x510x200mm conforming to IS: 13983 including all fittings etc. all complete.	EACH	1	0.03	

S. NO	DESCRIPTION OF ITEM	UNIT	QTY	WEIGHTAGE RATE IN PERCENTAGE (%)	AMOUNT (INR)
	Providing and fixing colour glazed vitreous china European type water closet conforming to IS:2556 with siphon, open front solid plastic seat and plastic cover, low level 12.5 litre PVC flushing cistern (same colour as WC) with valveless fittings, necessary C.P connections etc all complete.				
88	Floor mounted	EACH	5	0.22	
89	Providing and fixing white flat back glazed vitreous china urinals of size 440x265x355 mm with photo voltaic control flushing system as per IS:2556 (part 6, section 1) with flush pipes, lead pipes, gratings, traps and necessary C.P. fittings etc. all complete.	EACH	4	0.27	
	Supply, laying and jointing UPVC pipes of class 3 as per IS:4985 including bends, branches and all other necessary fittings, M.S holder bats/clamps, cutting and making good the walls and floors, jointing, testing etc all complete for following.				
90	75mm dia pipes	RM	60	0.43	
91	110mm dia pipes	RM	80	0.81	
92	150mm dia pipes	RM	70	1.07	
	Providing and fixing square mouth S.W Gully trap grade 'A' complete with CI grating, brick masonry chamber and water tight CI cover with 300x300mm (inside). The weight of cover to be not less than 4.53 Kg and frame to be not less than 2.72 Kg etc all complete for following sizes:				
93	150x100mm P or S Type.	EACH	22	0.35	
94	Providing and fixing heavy duty UPVC floor traps with C.P jalli all complete.	EACH	15	0.05	
95	Providing and fixing Granite slab table rubbed, edges rounded and polished of size 75x50 cm deep and 1.8 cm thick fixed in urinal partitions by cutting a chase of appropriate width with chase cutter and embedding the stone in the chase with epoxy grout or with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 6 mm nominal size) as per direction of Engineer-in-charge and finished smooth.(DSR: 8.10.2)	SQM	5	0.1	
STRUCTURAL STEEL					
96	Supply , fabrication and erection of Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete: in cable trench, chequered plate, trusses etc(DSR: 10.2)	MT	28.10252	12.56	
97	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work. At all height and level(DSR:13.61.1)	SQM	3100.79	1.12	
TOTAL AMOUNT FOR CIVIL WORKS				100	
Electricity utility for Main control room (CMCS) (Supply and Erection)					
1	40W LED Tube light (For switchgear room, store room, lobby, protico etc) Make: Surya Roshni / Bajaj / Wipro	No.	25	14.51	
2	40W LED corrosion resistant Tube light (Battery room) Make: Surya Roshni / Bajaj / Wipro	No.	3	1.57	
3	12W surface mounted LED for toilets Make: Surya Roshni / Bajaj / Wipro	No.	6	1.99	
4	36W flush mounted LED for SCADA Make: Surya Roshni / Bajaj / Wipro	No.	5	3.86	
5	30W street lighting fixture for CMCS building periphery Make: Surya Roshni / Bajaj / Wipro	No.	10	5.34	
6	150 deg GI bend 50NB pipe suitable for street light fixture Make: Surya Roshni / Bajaj / Wipro	No.	10	3.15	
7	Ceiling fan (approved make) 1200 sweep 5 star type	No.	8	3.26	
8	Fan regulator	No.	8	0.6	
9	Exhaust fan (450mm)	No.	13	10.78	
10	Split AC (2 ton) including stabilizer approved make.	No.	2	15.08	
11	Flush mounted 12 way lighting panel	No.	1	17.15	
12	Flush mounted 6 way small power Distribution board	No.	1	0.9	
13	Flush mounted 3 way UPS MCB junction box: approved make	No.	2	1.21	
14	6/16A, 1 Ph, 5 pin switch socket outlet module type	No.	15	1.02	
15	63A TPN 415V welding receptacle with MCB enclosure	No.	1	0.9	
16	6A modular type switch	No.	45	0.68	
17	Flush mounted module switch box with 3 module	No.	15	1.47	
18	Steel chain (galvanised) for supporting recess mounting fixture	Meter	50	0.71	
19	Wires, cable, conduits (rigid and flexible), accessories for above (All conduits (embedded in wall / floor) shall be 25mm dia heavy duty rigid PVC type)	lot	1	15.82	
TOTAL AMOUNT FOR ELECTRICAL WORKS				100.00	
TOTAL AMOUNT FOR CIVIL AND ELECTRICAL WORKS (RS.)					

Bidder neede not fill any price hereThis will be filled populated based on total quoted Price

Note:

- 1 Bidder Should Fill Total Amount for Civil works and Electrical works only
- 3 Bidder need not fill any value in amount column,unit prices shall be worked out from the total price as per the percentage given in each item.
- 2 Evaluation Shall be based on overall L1 for Both Civil and Electrical together.