

PRICE BID

TENDER FOR PROPOSED CONSTRUCTION OF SBI RSETI BUILDING

AT SUKMA, CHHATISGARH

Sl. No.	Particulars	Unit	Qty	Rate (Rs.)	Amount (Rs.)
SECTION - A - GENERAL CIVIL WORKS					
SECTION - A - 1 - FOUNDATION AND PLINTH					
1	Earthwork in excavation for foundation trenches of columns, walls, ground/plinth beams, plinth steps etc. as shown in the drawing, in all kinds of soil, (including moorum and laterite soil) including spreading or stacking the surplus earth within or out side the site as directed. The rate quoted for excavation are to include cost of dewatering trenches and cleaning slushes and also for cutting through hard soil, old masonry if encountered, dressing and leveling the bed and sides of the excavated trenches.	Cum.	217.50		
	(Rate in words)				
2	Earth work in filling in foundation trenches and plinth with selected earth in layers not exceeding 150 mm. thick including watering, ramming and breaking the lumps etc. complete.				
a)	With earth obtained from excavation of	Cum.	178.00		
	(Rate in words)				
b)	Supply and filling with river sand including loading, unloading and transportation etc.	Cum.	205.00		
	(Rate in words)				
3	Providing and laying cement concrete of proportion (1:3:6) in foundation and sub-floor using stone aggregate 20mm nominal size, allow for side shuttering if required, with cost of all labour and materials complete.	Cum.	74.50		
	(Rate in words)				
4	Providing, laying and hoisting re-inforced cement concrete of grade M:20 not leaner than (1:1.5:3) using 20mm and down graded granite chips including compacting concrete by mechanical means in coloumn footings, column safts, ground, beams etc. excluding cost of centering, shuttering and re-inforcement steel (measured separately) complete with all labour and materials.	Cum.	87.00		
	(Rate in words)				
5	Hire and labour charges for providing stout props. centering, shuttering for item No.(4) above re-inforced concrete works including necessary staging, fitting, fixing and striking out after completion (Only area in contact with concrete surface shall be measured for the purpose of payment). Cost shall also be included for providing and laying polythene sheets to make water tight shuttering.	Sqm.	479.00		
	(Rate in words)				
6	Providing brick masonry work in cement mortar (1:6) using locally available best quality kiln burnt or fly ash bricks having crushing strength not less than 75 Kg/Sq.cm. The work shall be provided to plain or curved surfaces including offsets, splays, pillars, piers, steps etc. as per drawing and specification complete with all labour and materials.	Cum.	26.00		
	(Rate in words)				

7	Supplying, laying and tying plain or ribbed deformed bars as steel re-inforcement for above (for item No. 4) re-inforced concrete works including distribution bars, stirups, binders etc; straightening of coils bars and removal of loose rust including applying a coat of cement wash if necessary, cutting to requisite length, hooking and bending to correct shape, placing in proper position and binding with 24 gauge black anealed wire at every inter-section complete as per drawing and direction. (Weight shall be calculated as per standard tables and wastage shall not be accounted for the purpose of payment) .				
	(Rate in words)	M.T.	11.50		
Sub Total					

Sl. No.	Particulars	Unit	Qty.			Rate (Rs.)	Amount (Rs.)
			G.F	F.F	Total		
SECTION - A - 2 - MASONRY AND CONCRETE WORKS.							
1	Providing brick masonry work in cement mortar (1:6) using locally available best quality kiln burnt bricks having crushing strength not less than 75 Kg/Sqcm. The work shall be provided to plain or curved surfaces including offsets, splays, pillars, piers, steps etc. as per drawing, specification and necessary curing, complete with all labour, materials and scaffolding charges.	Cum.	120.00	156.00	276.00		
(Rate in words)							
2	Providing half brick thick masonry work to walls using approved quality kiln burnt bricks in cement mortar (1:4) to plain or curved surfaces including offsets etc. including providing and laying H.D. wire netting re-inforcements of 16 gauge at every fourth layers as per direction, specification and necessary curing, complete with all labour, materials and scaffolding charges.	Sqm.	57.00	168.00	225.00		
(Rate in words)							
3	Providing, laying and hoisting re-inforced cement concrete of grade M:20 not leaner than (1:1.5:3) using 20 mm. and down graded granite chips including compacting concrete by mechanical means in coloumn safts, walls, floors, roofs, beams, lintels, piers, pillars bed blocks, staircases in rack and levels, steps etc. excluding cost of centering, shuttering and re-inforcement steel (measured separately) complete with all labour and materials.	Cum.	114.00	117.00	231.00		
(Rate in words)							

4	Hire and labour charges for providing stout props. centering, shuttering for item No.(3) above re-inforced concrete works including necessary staging, fitting, fixing and striking out after completion (Only area in contact with concrete surface shall be measured for the purpose of payment). Cost shall also be included for providing and laying polythene sheets to make water tight shuttering.	Sqm.	1087.50	1098.50	2186.00		
	(Rate in words)						
5	Providing laying and hoisting re-inforced cement concrete of grade M:20 not leaner than (1:1.5:3) using 20mm down graded granite chips including cost of centering shuttering but excluding the cost of re-inforcement steel complete with all labour and materials.						
(a)	To 75mm thick, sills, plat forms, lofts chajja etc.	Sqm.	20.00	18.00	38.00		
	(Rate in words)						
(b)	To 65 mm thick R.C.C. drops, fins, stair railings etc.	Sqm.	5.00	5.00	10.00		
	(Rate in words)						
6	Providing cement concrete (1:3:6) using 20 mm. size brick aggregates for filling up sunk floors of toilets, coloumn-stubs, beams etc. as shown in drawing including compaction as directed with cost of all labour, materials, centering and shuttering as required.	Cum			23.00		
	(Rate in words)						
	Sub Total						
	SECTION - A - 3 - FLOOR SURFACING						
1	Supplying and laying 300 mm.x 450 mm. x 5 mm. (min) thick coloured glazed tiles of approved make to floor and dadoo over a base course of minimum 12 mm thick cement sand mortar (1:3) with white cement pointing, grouting etc. as specified and directed, laid to required slope, cutting in required shape to corners / jointing etc. with all labour and materials complete including racking out joints to brick wall or close and deep chipping on concrete surface). (Dadoo 2.10 m High from finished floor level) [Cost of Tile : Rs. 40 - Rs. 45 per Sqft]	Sqm.	98.00	145.00	243.00		
	(Rate in words)						

2	Supplying and laying 17/18 mm thick (22" x 22") machine cut and machine polished Kotah stone to floors, skirting dadoo etc. over a base course of min. 12 mm. thick cement-sand mortar (1:3) jointed and pointed with white cement slurry mixed with pigment, all as per direction complete with polishing in superior finish, rubbing, roughening and cleaning the base with all labour and materials required for the work. (Only Dining - Kitchen Area)	Sqm.	Nil	69.00	69.00		
	(Rate in words)						
3	Providing and fixing in position 300 x 300 Anti-skid Ceramic Tile Flooring over a base course of min. 25mm cement sand mortar in (1:3) complete with grouting using coloured grouting pigment, cutting and leveling in slope to floor grouting etc. with cost of all labour and material (Cost of Tile - Not less than Rs. 40.00 - Rs. 50.00 per Sqft.)	Sqm.	41.00	67.00	108.00		
	(Rate in words)						
4	Providing and laying 10 mm. thick Factory made, cut and Factory polished to matt finish stained proof (First quality) 600x600 double charged Vitrified Tiles to floors and skirting after preparing the surface by cleaning thoroughly from dirt and dust and also roughening the surface by slight hacking etc. with coloured tile strips for forming flooring pattern and design as shown in the drawing, to be laid over a base course of min.12 mm. thick cement-sand mortar (1:3) complete with cost of all labour, material and white cement mixed with pigment grouting etc. to the satisfaction of the Architect. (Cost of Tile - Not Less than Rs. 40.00/Sqft.) NITCO / CERA / JOHNSON / KAJARIA	Sqm.	325.00	216.00	541.00		
	(Rate in words)						
5	Providing and fixing in position min 18 mm. thick black cudapah stone slab to kitchen platform over a base course of min 10 mm thick cement sand mortar (1:3) with grouting in white cement mixed with coloured pigment etc. complete with polishing in superior finish, rubbing, roughening and cleaning the base with cost of all labour and materials.	Sqm.	Nil	6.00	6.00		
	(Rate in words)						
Sub Total							
Sl. No.	Particulars	Unit	Qty.			Rate (Rs.)	Amount (Rs.)
			G.F	F.F	Total		
SECTION - A - 4 - PLASTERING							

1	Providing plaster to walls, ceiling, columns, bands, fins, chajjas etc., with cement and sand mortar including racking out of joints, roughening the concrete surface as per direction inclusive of working in narrow width, filling of the porturated surface of the masonry work complete with all labour, materials and scaffolding charges including rounding off or chamfering the corners of walls, coloumns etc. and also providing throating or nosing at drip course moulding as directed.						
(a)	With average 15 mm. thick cement and sand mortar (1:6) on to the out-side face.	Sqm.	579.00	842.00	1421.00		
	(Rate in words)						
(b)	With average 15 mm. thick cement and sand mortar (1:6) on to the in-side face.	Sqm.	998.00	1,247.00	2245.00		
	(Rate in words)						
(c)	With minimum 5mm. thick cement sand mortar (1:3) to ceiling, soffit of stair, chhajja etc.	Sqm.	432.50	466.00	898.50		
	(Rate in words)						
	Sub Total						
	SECTION - A - 5 - DOORS & WINDOWS						
1	Providing and fixing in position factory made solid WPC door frames of following sizes with help of suitable size screws in adequate nos. along with jam etc. complete with cost of all labour & materials.						
(a)	75mm x 50mm to Toilets	Rmt.	30.00	104.00	134.00		
	(Rate in words)						
(b)	125mm x 60mm to all other doors	Rmt.	56.00	57.00	113.00		
	(Rate in words)						
2	Providing and fixing in position min. 30mm thick WPC door leaf of approved design having life long guarantee. (To Toilets only)	Sqm.	9.45	33.08	42.53		
	(Rate in words)						
3	Providing and fixing min. 30mm thick phenol bonded BWP grade hot pressed factory made block board construction flush door with min 3mm thick first class Teak Wood leaping all around edges of the door leaf. The work to be completed with enamel painting of min. two coats over a coat of prmer after preparing the surface smooth with chalk and putty complete.	Sqm.	29.00	32.00	61.00		
	(Rate in words)						

4	Providing and fixing in position powder coated anodized aluminum openable windows using standard extruded aluminum sections for frames etc. (heavy type) having anodization not less than 15 microne. Use PVC gasket, pins, 5.0 mm thick obscured glass panes as panels, including fixing in position in jambs / lintel / sills as directed with PVC lugs, steel screws and all other hardware fittings such as anodized aluminum handles with locking arrangements peg stay etc.						
(a)	Top Hung Ventilator	Sqm.	20.00	20.00	40.00		
	(Rate in words)						
(b)	Sliding Window 3 Track	Sqm.	6.00	3.00	9.00		
	(Rate in words)						
(c)	Sliding Window 2 Track	Sqm.	32.00	34.00	66.00		
	(Rate in words)						
(d)	Fixed	Sqm.	1.00	1.00	2.00		
	(Rate in words)						
	Sub Total						
	SECTION - A - 6 - STEEL AND HARDWARE.						
1	Supplying, laying and tying plain or ribbed deformed bars as steel re-inforcement for re-inforced concrete works including distribution bars, stirups, binders etc; straightening of coils bras and removal of loose rust including applying a coat of cement wash if necessary, cutting to requisite length, hooking and bending to correct shape, placing in proper position and binding with 24 gauge black anealed wire at every inter-section complete as per drawing and direction. (Weight shall be calculated as per standard tables and wastage shall not be accounted for the purpose of payment) .	M.T.	13.00	13.50	26.50		
	(Rate in words)						
2	Supplying and fixing M.S. collapsible gate including all fixture for sliding and locking arrangements complete with two coats of enamel paint over a coat of anti corrosive primer (payment shall be made on the area of masonry opening).	Sqm.	6.00	6.00	12.00		
	(Rate in words)						
3	Supplying and fixing box type fan hooks to ceiling made of minimum 16 gauge M.S. sheet with 16 mm M.S. rod including tying with the main re-inforcement of beams or slabs with 24 gauge black anealled wire and painting with two coats of enamel paint over a coat of primer complete as per direction.	Nos.	34.00	24.00	58.00		
	(Rate in words)						

4	Supply and fixing M.S. grills made of M.S. flats / square bars as per design and drawing, supplied and fixed including painting of two coats of synthetic enamel paint of approved shade and brand over a coat of anti corrosive primer complete with all labour, materials and fabrication charges. (weight shall be calculated as per standard tables, Theoretical wt.).	Kg.	1100.00	928.00	2028.00		
	(Rate in words)						
5	Supply, fitting and fixing of Stainless steel Jindal 304 railing to stair, verandah and similar other locations made from 2" hand rail, Balustrades @ 1200 intervals with 3 rows of 3/4" tubes all as per drawing with cost of all fabrication, materials, labour and installation charges.	Sqm.	10.00	10.00	20.00		
	(Rate in words)						
Sub Total							
SECTION - A - 7 - HARDWARE FIXTURES							
1	Supplying, fitting and fixing 100 x 75 x 10 gauge. butt hinges.	Nos.	54.00	114.00	168.00		
	(Rate in words)						
2	Providing and fixing heavy duty 50 mm/65 mm. solid rubber door buffer.	Nos.	15.00	27.00	42.00		
	(Rate in words)						
3	Supplying, fitting and fixing powder coated heavy duty door stopper with height and pressure adjustment in pressure die casting and heat treated spring clasps.	Nos.	3.00	7.00	10.00		
	(Rate in words)						
4	Supplying fitting and fixing heavy duty S. S. Tower Bolt (full covered).						
(a)	225 mm long x 10 mm dia rod.	Nos.	20.00	20.00	40.00		
	(Rate in words)						
(b)	150 mm long x 10 mm dia rod.	Nos.	12.00	42.00	54.00		
	(Rate in words)						
5	Supplying, fitting and fixing 300 mm long x 18 mm dia S. S. Aldrops.	Nos.	10.00	10.00	20.00		
	(Rate in words)						
6	Supplying, fitting and fixing of modular hydraulic type Door Closer of Godrej make.	Nos.	2.00	2.00	4.00		
	(Rate in words)						
7	Supplying, fitting and fixing 125 mm grip x 10 mm dia rod laquered S.S. 'D' type handle with continuous plate.	Nos.	32.00	62.00	94.00		
	(Rate in words)						
Sub Total							
SECTION - A - 8 - PAINTING AND FINISHING.							

1	Providing two coats of dust resistant and antifungal exterior acrylic emulsion paint (APEX ULTIMA of Asian Paint) on walls mixed with maximum (1:4) ratio with water and to be applied over one coat of primer (Asian base coat) diluted maximum (1:1) in ratio with water. The masonry walls are to be prepared free from dust & dirt, fungal etc. using wire brush and cleaning the surface with water jet complete with the cost of all materials, rigid-firm bamboo scaffolding, ladders ropes brush and any other materials, tools etc. to complete the work in all respect to the Architect's approval.	Sqm.	579.00	842.00	1421.00		
	(Rate in words)						
2	Applying minimum two coats of plastic emulsion paint of approved colour over a coat of primer. (Tractor emulsion of Asian Paint) to be applied after preparing the surface. Apply min. one coat of Birla wall putty to achieve min. 8.75 Sft. per Kg. of coverage. Rate to be included. Cost of paint, primer, putty, labour, scaffolding and all other to complete the work to the architect's approval.	Sqm.	998.00	1247.00	2245.00		
	(Rate in words)						
3	Applying min. two coats of oil bond distemper of approved colour over a coat of primer (Tractor Acrylic Distemper of Asian) to be applied after preparing the surface free by using wire brush, sand papering etc. rate to be included. Cost of paint, labour, scaffolding and all other to complete the work to the architect's approval. (To ceiling / Verandahs etc.)	Sqm.	432.50	466.00	898.50		
	(Rate in words)						
4	Providing two coats of synthetic enamel paint over a coat of primer to wooden surfaces after preparing the surface smooth using chalk, putty filler and sand papering etc. complete.	Sqm.	30.00	32.00	62.00		
	(Rate in words)						
	Sub Total						
SECTION - A - 9 - SPECIALIST'S ITEMS OF WORK.							
1	Water Proofing						
	Providing and laying two coats of Acrylic Polymer Modified Water Proofing Membrane of approved make similar to 'SIKA CEMFLEX' to be applied in a slurry form at locations indicated below or wherever directed, in a proportion and a rate as recommended by the manufacturer, mixed with fine sand and cement all as per manufacturer's specification including vertical trailing to a minimum height of 300 mm cleaning the surface thoroughly, watering, removing dust with wire brush etc. complete with the cost of all labour and materials.	Sqm.	Nil	420.00	420.00		
	(Rate in words)						
2	Screed Concrete						

	Providing average 75 mm. thick screed concrete (1:2:4) on to the top of roof using 6 mm. size stone aggregate (Bazari) mixed with Interigal Water Proofing Compound of approved make in proportion and rate as per manufacturer's specification laid to proper gradient and curve, shaping and finishing at mouth of rain water pipes. The rain water mouth shall also be properly sealed using sealing agents etc. complete with the cost of all labour, materials and necessary curing except the cost of chemical (I.W.P.C.) which will be paid separately.	Sqm.	Nil	420.00	420.00		
	(Rate in words)						
3	Grading to Roof						
	Providing 20 mm thick grading plaster to roof with cement mortar (1:4) over screed concrete mixed with Interigal Water Proofing Compound of approved make in proportion and rate as per manufacturer's specification a laid over a layer of chicken wire mesh complete with the cost of all labour, materials and necessary curing except the cost of chemical (I.W.P.C.) which will be paid separately.	Sqm.	Nil	420.00	420.00		
	(Rate in words)						
4	Anti-Termite Soil Treatment						
	Carrying out pre-construction anti-termite treatment as stipulated in the relevant Indian Standard specification latest edition at appropriate stages and as specified and directed. The rate quoted shall be for complete item, inclusive of cost of all material and labour required for the work.						
	In Foundation						
(a)	Soil which is immediate contact with vertical						
(b)	Treatment of top surface of plinth filling. The top surface of consolidated earth within plinth walls shall be treated with chemical emulsion at the rate of 5 ltrs / Sqm of the surface before the rubble soiling is laid.						
(c)	Treatment of soil along external perimeter of building. After the building is completed, earth along with the external perimeter of the building should be eroded and soile to be treated with chemical emulsion at the rate of 7.5 Ltrs/Sqm.						
	Note : Plinth Area shall be measured for the purpose of payment.						
		Sqm.			450.00		
	(Rate in words)						
	Sub Total						
	SECTION - A - 10 - MISCELLANEOUS ITEMS OF WORK						

1	Providing and fixing in position 110 mm dia PVC Rain water pipe conforming to B.I.S. 4985 and also should have ISI mark having min. 4.0 Kg/Sq Cm. pressure sustainability, complete with all accessories viz; bends, tees, shocs, S.S. grating, clamps, nuts & bolts etc. complete.	Rmt.	-		80.00		
	(Rate in words)						
2	Providng and fixing Main Entrance door made from 12mm thick toffened glass sheet of approved make with etching or stickering as per Architect's approval having 125mm wide Aluminium coloured (Blue) powder coated top and bottom rail complete with cost of all material & labour.	Sqm	5.00		5.00		
	(Rate in words)						
3	Providing and fixing in position heavy duty Floor-Spring with Stainless Steel plate, pivots etc. including all necessary civil works and mending good to damages.	No	2.00		2.00		
	(Rate in words)						
4	Providing and fixing minimum 18" long	Pairs	2.00		2.00		
	(Rate in words)						
	Sub Total						
SECTION - B - INTERNAL SANITARY AND PLUMBING WORKS							
1	European pattern white vitrious ware water closet I.S.I. marked (CERA : S 1053101) or similar approved any other make) with "P" or "S" trap with 50 mm horn if necessary and 10.0 liters capacity low level flushing cistern in white plastic with side in-let complete with internal fittings with P.V.C. float ball, external C.P. brass couplings with rubber joints, polythene mosquito proof over flow vent including white double solid plastic seat with hinged lead and rubber buffers, necessary G.I. supporting brackets duly painted etc. complete.	Sets.	2.00	4.00	6.00		
	(Rate in words)						
2	Indian type 'Orissa' pattern water closet 58 x 44 cms (approx) (I.S.I. marked CERA : S4020103 or similar approved any other make) with intergral foot tread, white vitrious ware with 'P/S' trap with 50 mm. horn if necessary, 10.0 ltrs. capacity low level flushing cistern in white plastic with all internal fittings, viz, ball valve with P.V.C. float ball, ceramic syphone etc. external C.P. fitting lever handles, 38 mm dia C.P. fluid bend (flush pipe) with C.P. brass couplings and rubber joints, polythene mosquito proof over flow vent, necessary G.I. supporting brackets duly painted etc. complete.	Sets.	5.00	7.00	12.00		
	(Rate in words)						

3	Flat back lipped front standing urinals large, I.S.I. marked (CERA : S2040103 or similar any other approved make) in white vitrious ware (59 x 37.5 x 39 cms.) approx. and connected to auto closing valve of Jaguar 177, 32 mm C. P. waste coupling & grating supported over white painted G.I. supporting brackets including supplying, fitting and fixing including 32 mm dia (inside white polythene waste pipes with cup (enlarged at one end) laid upto floor channel, fixed to walls with clamps etc. complete.	Sets.	5.00	Nil	5.00		
	(Rate in words)						
4	Anglo Indian pattern white vitrious ware water closet I.S.I. marked (CERA :S 1053106) or similar approved any other make) with "P" or "S" trap with 50 mm horn if necessary and 10.0 liters capacity low level flushing cistern in white plastic with side in-let complete with internal fittings with P.V.C. float ball, external C.P. brass couplings with rubber joints, polythene mosquito proof over flow vent including white double solid plastic seat with hinged lead and rubber buffers, necessary G.I. supporting brackets duly painted etc. complete.	Nos.	2.00	2.00	4.00		
	(Rate in words)						
5	Supply, fitting and fixing of minimum 20 mm. thick machine cut and polished in superior finish, Green marble slab as partition to above urinals of following sizes to be fixed in cement mortar (1:3) after cutting groove in wall and mending all damages including white cement grouting, rendering etc. complete.						
(a)	91 x 61 cm	Nos.	4.00	Nil	4.00		
	(Rate in words)						
(b)	120 x 61 cms	Nos.	Nil	2.00	2.00		
	(Rate in words)						
6	Construction of minimum 100 mm. thick urinal plat form in plain cement concrete (1:3:6) in proper slope using 20 mm nominal size graded stone aggregates including cost of side shuttering etc. complete with all labours and materials as per drawing.	Sqm.	2.00	Nil	2.00		
	(Rate in words)						
7	Providing and fixing 100 mm dia white vitrious ware block floor channels for above urinals laid in proper gradient with neat white cement joints complete, 30 cms channels with stop end, plain block end, end with out-let etc. as necessary.	Nos.	10.00	Nil	10.00		
	(Rate in words)						
8	Supplying and fixing of 55 x 40 cms wash	Sets.	2.00	8.00	10.00		
	(Rate in words)						

9	Supplying and fixing of approx 460 mm dia ISI marked (CERA : S2030102 or any other similar approved make) counter top wash hand basin in white vitrious ware including 15 mm dia single centered C.P. deluxe head pillar cock (Heavy type) including 32 mm dia C.P. waste fittings, C.P. bottle trap (Heavy type), cast iron white painted concealed type supporting brackets, C.P. chain with rubber plug etc. complete.	Sets.	3.00	Nil	3.00		
	(Rate in words)						
10	Constructing of 65 mm thick finished pre-cast and pre-cured reinforced cement concrete counter top for above counter top wash hand basin with minimum 20 mm. thick machine cut and polished in superior finish, white Dongari marble slab on to the top of the R.C.C. slab and on exposed edges of the concrete including necessary reinforcements and shuttering to be fixed along walls after cutting grooves and grouting in cement mortar (1:3) complete with all labours and materials as per drawing including and mending good to the damages and also white cement grouting, rendering etc. complete. (Only plan area shall be measured).	Sqm.	2.00	Nil	2.00		
	(Rate in words)						
11	Supply, fitting and fixing minimum 5.5 mm	Sqm.	2.00	3.00	5.00		
	(Rate in words)						
12	Supply, fitting and fixing minimum 25 mm dia. x 60 cms long C.P. Brass (Heavy type) towel rail of approved make with brackets and screws complete.	Nos.	5.00	5.00	10.00		
	(Rate in words)						
13	Supply, fitting and fixing of stain-less steel sink including drain board of minimum bowl size :610 mm x 450 mm x 200 mm deep CERA : F1015251 or similar approved any other make) with minimum 75 mm. dia. C.P. cupped gratings, 40 mm. dia. C.P. waste coupling, necessary cast iron white painted cantilever brackets, 15 mm dia long body, wall mounted, sevel type C.P. brass bib cock etc. complete.	Sets.	Nil	1.00	1.00		
	(Rate in words)						
14	Construction of 75 mm thick plain cement concrete (1:3:6) Kerb for ground sink using 20 mm nominal size stone aggregates and applying 12 mm thick cement sand plaster (1:4) inside and outside faces with neat cement punning including supplying and fixing of 15 mm dia white polythene bib cock etc. complete.	Sets.	Nil	1.00	1.00		
	(Rate in words)						
15	Supplying & fixing double pronged heavy type C. P. Brass rob hook of approved type.	Nos.	10.00	10.00	20.00		
	(Rate in words)						

16	Supplying, fitting, fixing in position SWR PVC pipe as per IS 13592 (Type A) single/double socketed as required manufactured by "Finolex" or approved equivalent. The pipes are to be jointed using solvent cement/rubber gasket ring etc. complete all as per drawing, specification and testing the same after installation.						
(i)	110 mm dia.	Rmt.			30.00		
	(Rate in words)						
(ii)	75 mm dia.	Rmt.			25.00		
	(Rate in words)						
17	Extra over PVC pipes specials of following sizes such as bends (plain or with door), junctions (single or double with door or plain) `P/S', B.M. traps (plain or with vent single or double branch inlet, cowl, of sets, pass over H.R. Bends etc.						
(i)	110 mm dia.	Nos.	5.00	12.00	17.00		
	(Rate in words)						
(ii)	75 mm dia.	Nos.	5.00	12.00	17.00		
	(Rate in words)						
18	125 mm dia Stainless Steel floor grating of approved make (heavy type).	Nos.	8.00	12.00	20.00		
	(Rate in words)						
19	32 mm dia (inside) x 75 mm long white polythene waste water pipe with necessary bend, off-sets, and making connection including brass caps and screws.						
(i)	With C.P. brass coupling at one end	Nos.	2.00	8.00	10.00		
	(Rate in words)						
(ii)	With C.P. brass coupling at both ends	Nos.	Nil	2.00	2.00		
	(Rate in words)						
20	40 mm dia (inside) PVC waste water pipe (Type A) with all necessary fittings such as bends, tees, elbows, nipples, plugs, reducers etc. and making threads, and connecting the branch inlet with extension pieces etc. complete.	Rmt.	6.00	10.00	16.00		
	(Rate in words)						
21	Supply, fittings, fixing and laying of CPVC pipes conforming to ASTM D2846 manufactured by "Ajay Floor Guard" or its approved equivalent. The pipes are to be jointed with fusion compound as per manufacturers' recommendation all as per specification, drawing and direction complete with all necessary CPVC brass socketed fittings such as bends, tees, elbows, reducers, sockets long screws, caps, clamps, plugs, union etc. complete.						
(i)	40 mm	Rmt.			15.00		
	(Rate in words)						
(ii)	32 mm	Rmt.			20.00		
	(Rate in words)						
(iii)	25 mm	Rmt.			15.00		
	(Rate in words)						
(iv)	20 mm	Rmt.			30.00		
	(Rate in words)						
(v)	15 mm	Rmt.			45.00		
22	CPVC ball valve heavy type and approved Quality and make.						

(i)	40 mm	Nos.			1.00		
	(Rate in words)						
(ii)	32 mm	Nos.			2.00		
	(Rate in words)						
(iii)	25 mm	Nos.			3.00		
	(Rate in words)						
23	15 mm dia white C.P. brass connector with C.P. brass couplings at both ends (Heavy type).	Nos.			10.00		
	(Rate in words)						
24	15 mm dia C.P. deluxe head stop cock of easy clean pattern. [Cera : F 8040204]	Nos.			10.00		
	(Rate in words)						
25	15 mm dia C.P. brass deluxe head bib cock of easy clean pattern. [Cera : F2002151]	Nos.			5.00		
	(Rate in words)						
26	15 mm dia long body C.P. brass deluxe head sink cock sevel type of easy clean pattern.	Nos.			2.00		
	(Rate in words)						
27	Cement concrete (1:3:6) pillars (150 mm x 150 mm x 200 mm) for supports using 20 mm stone aggregates, shuttering, and plastering with 12 mm thick cement sand plaster (1:6) complete.	Nos.			8.00		
	(Rate in words)						
Sub Total							
SECTION - B - 2 - SOIL WASTE PIPES AND FITTINGS							
1	Supplying, fitting, fixing in position SWR PVC pipe as per IS 13592 (Type A) single / double socketed as required of approved equivalent. The pipes are to be jointed using solvent cement/rubber gasket ring etc. complete all as per drawing, specification and testing the same after installation.						
(i)	110 mm dia.			Rmt.	40.00		
	(Rate in words)						
(ii)	75 mm dia.			Rmt.	20.00		
	(Rate in words)						
2	Extra over PVC pipes specials of following sizes such as bends (plain or with door), junctions (single or double with door or plain) 'P/S', B.M. traps (plain or with vent single or double branch inlet, cowl, of sets, pass over H.R. Bends etc.						
(i)	110 mm dia.			Nos.	20.00		
	(Rate in words)						
(ii)	75 mm dia.			Nos.	10.00		
	(Rate in words)						
3	125 mm dia Stainless Steel floor grating of approved make (heavy type).						
	(Rate in words)			Nos.	9.00		
4	32 mm dia (inside) x 75 mm long white polythene waste water pipe with necessary bend, off-sets, and making connection including brass caps and screws.						
(i)	With C.P. brass coupling at one end.			Nos.	7.00		
	(Rate in words)						
(ii)	With C.P. brass coupling at both ends.			Nos.	7.00		
	(Rate in words)						
5	40 mm dia (inside) PVC waste water pipe (Type A) with all necessary fittings such as bends, tees, elbows, nipples, plugs, reducers etc. and making threads, and connecting the branch inlet with extension pieces etc. complete.						
	(Rate in words)			Rmt.	8.00		
Sub Total							

SECTION - B - 3 - WATER SUPPLY PIPES AND FITTINGS							
1	Supply, fittings, fixing and laying of CPVC pipes conforming to ASTM D2846 manufactured by "Ajay Floor Guard" or its approved equivalent. The pipes are to be jointed with fusion compound as per manufacturers' recommendation all as per specification, drawing and direction complete with all necessary CPVC brass socketed fittings such as bends, tees, elbows, reducers, sockets long screws, caps, clamps, plugs, union etc. complete.						
(i)	40 mm		Rmt.	30.00			
	(Rate in words)						
(ii)	32 mm		Rmt.	20.00			
	(Rate in words)						
(iii)	25 mm		Rmt.	20.00			
	(Rate in words)						
(iv)	20 mm		Rmt.	20.00			
	(Rate in words)						
(v)	15 mm		Rmt.	40.00			
	(Rate in words)						
2	CPVC ball valve heavy type and approved Quality and make.						
(i)	40 mm		Nos.	2.00			
	(Rate in words)						
(ii)	32 mm		Nos.	2.00			
	(Rate in words)						
(iii)	25 mm		Nos.	2.00			
	(Rate in words)						
3	15 mm dia white C.P. brass connector with C.P. brass couplings at both ends (Heavy type).						
	(Rate in words)						
4	15 mm dia C.P. deluxe head stop cock of easy clean pattern.						
	(Rate in words)						
5	15 mm dia C.P. brass deluxe head bib cock of easy clean pattern.						
	(Rate in words)						
6	15 mm dia long body C.P. brass deluxe head bib cock of easy clean pattern.						
	(Rate in words)						
7	Cement concrete (1:3:6) pillars (150 mm x 150 mm x 200 mm) for supports using 20 mm stone aggregates, shuttering, and plastering with 12 mm thick cement sand plaster (1:6) complete.						
	(Rate in words)						
Sub Total							
Sl. No.	Particulars	Unit	Qty.			Rate (Rs.)	Amount (Rs.)
			G.F	F.F	Total		
SECTION - C - INTERNAL ELECTRICAL INSTALLATION WORKS							
SECTION - C - 1 - MAIN PANEL BOARD & WIRING							
1	MAIN PANEL BOARD						

<p>Supplying, fabrication and installation of L.T. Distribution panel Box, wall mounting type made out of CRCA M.S. Sheet of thickness 18 SWG with provision for neoprene rubber gasket at all joints/doors etc. to make the panel dust, vermin and water proof. The clearance between phase to phase of the Bus-Bar and phase to earth shall be 25.4 mm. (minimum) and between Neutral and earth shall be 19 mm. (Minimum) and connections from Bus Bar to Cut-outs / Switches / MCB's / Meters etc. shall be shrouded / insulated in order to avoid accidental touch and all the Bus Bars shall be suitable colour coded.</p>						
<p>All Cable entry shall be from the bottom and all cable exists shall be from the top only. The connection from the Bus-Bar chamber to the Meters shall be through M.S. conduit pipes welded at the base of the box and the doors of all meter chambers and the Bus-Bar chambers shall have provision for sealing so as to make them tamper proof.</p>						
<p>The width of the cable alley wherever required shall be a minimum of 150 mm. The panel shall be treated with acid and thoroughly washed and dried before painting to remove all rust and dust and then in two coats of Anti-corrosive red oxide metal primer painted and two coats of smoke grey enamel paint. The door shall have hinges and suitable thumb screws/panel locks and danger plates of appropriate rating. The drawing of the panel shall be made by the fabricator basing on the single line diagram provided before fabrication of the panel and the same shall be approved.</p>						
<p>Incoming</p>						
<p>160 Amp 4P MCCB 25KA with earth fault & shunt relay etc. & contactor for nutral - 1 No.</p>						
<p>VAF Meter - 1 No.</p>						
<p>RYB LED Indicator controlled by HRC fuse - 2 Sets (6 Nos.)</p>						
<p>CT 160/5A - 3 Nos.</p>						
<p>Terminated in to two bus bar through 1 no. of 100A 4 pole change over (Change Over only for light load)</p>						
<p>Bus No - I</p>						
<p>125 Amp. TPN Electrolytic Copper Bus</p>						
<p>Outgoing :</p>						
<p>63 Amp. 4P MCB - 4 Nos. (For Power DBs Only)</p>						
<p>Bus No - II</p>						
<p>100 Amp. 4 Pole Change Over - 1 No.</p>						
<p>200 Amp. TPN Electrolytic Copper Bus</p>						
<p>Outgoing : 32 Amp. DP MCB - 4 Nos.</p>						
	<p>Sets</p>			<p>1.00</p>		
<p>(Rate in words)</p>						
<p>2 METER</p>						

	Supply and fixing of TP Box with 50 Amp 3 Phase digital meter of L & T or secure make.	Sets	1.00	Nil	1.00		
	(Rate in words)						
3(a)	LDB / CDB						
	Supplying and fixing 220V 12 way SPN MCB distribution board (Consumer units, manufacturer's distribution board to be used) having following provisions with cover, blanking plate etc. with necessary D. P. / MCB / Isolator / ELCB and out going MCB (SP type) including inter connection.						
	Incoming : 25 Amp. 2P RCCB 30mA - 1 No.						
	Outgoing : 6/10 Amp. SP MCB - 10 Nos.	Nos.	4.00	3.00	7.00		
	(Rate in words)						
(b)	POWER DB / ACDB						
	Incoming : 32Amp. DP MCB - 1 No.						
	Outgoing- 16A/25Amp. DP MCB - 4 Nos.	Nos.	3.00	Nil	3.00		
	(Rate in words)						
(c)	FLOOR MAIN DB						
	4 way TPN DB Double Door						
	Incoming : 63 Amp. 4P MCI - 1 No.						
	Outgoing-32 amp. DP MCB 10 KA - 6 Nos.	Sets	1.00	1.00	2.00		
	(Rate in words)						
4	POINT WIRING :						
	Recessed (concealed) wiring to light, fan, exhaust fan ceiling fan call bell & 5 amp. plug points by 2 x 1.5 Sqmm. PVC insulated 1100 volt grade multi strand copper conductor wire run inside PVC FR conduit pipe including supplied by contractor (ISI marked) recessed in wall / column / ceiling / of the building along with 1 no. 1.5 Sqmm. PVC insulated. 1100 / 650 V copper wire as earth continuity conductor and loop earth to the fitting for supplying conduit pipes only with accessories and fixtures such as wire, switch, conduit, angle / batten holder, 3 plate ceiling rose, modular type switches & plug sockets complete with making good the damages complete as required as per the direction of Engineer in charge. Rate to include the cost of conduits and circuit wiring DB to switch board with 2 x 2.5 Sqmm. + 1 x 1.5 Sqmm.						
(i)	Light & Cabin fan / wall fan / Exhaust fan point	Pts.	81.00	82.00	163.00		
	(Rate in words)						
(ii)	Ceiling Fan point with provision for the installation of fan regulator. (Modular type)	Nos.	34.00	24.00	58.00		
	(Rate in words)						
(iii)	Bell Point	Nos.	1.00	Nil	1.00		
	(Rate in words)						
(iv)	5A Plug point on separate board	Nos.	2.00	2.00	4.00		
	(Rate in words)						
(v)	5A Plug point on same board	Nos.	18.00	18.00	36.00		
	(Rate in words)						
(vi)	Supplying & fixing 16A plug socket with switch. (For water cooler, Refrigerator Air-Conditioner & workshop, Power Point, online Point etc.)	Nos.	6.00	4.00	10.00		
	(Rate in words)						

(vii)	Computer Point. (3 Nos. 6A Switch with 3 nos. 6A Modular Socket - 4 nos. looped to one end)	Nos.	24.00	Nil	24.00		
	(Rate in words)						
(viii)	Raw Power Point. (2 Nos. 6A Switch with 2 nos. 6A Modular Socket - 2 nos. looped to one end)	Nos.	12.00	Nil	12.00		
	(Rate in words)						
5	SUB-MAIN WIRING						
	Wiring for sub-main wiring with following number of sizes of PVC Insulated, 1100V grade single core, multi strand copper conductor wire drawn inside 25 mm / 20 mm screw type black stove enameled M.S. Conduit pipe including supply by contractor (ISI Marked & confirming to IS:9537 Part-II/latest revision) recessed in wall / column / ceiling of the building along with pipe with accessories and fixing of such as wire conduit fish wire etc. as required complete as per the direction of Engineer in charge including the cost of conduit.						
(i)	2 (1 x 4.0 Sqmm.) and (1 x 2.5 Sqmm. Earth wire) for LDB's	Mtr.	275.00	75.00	350.00		
	(Rate in words)						
(ii)	2 (1 x 6.0 Sqmm.) x (1 x 2.5 Sqmm. Earth wire) for main panel to power DB / ACDB	Mtr.	75.00	Nil	75.00		
	(Rate in words)						
6	Supply & laying of 25 mm dia PVC FR Conduit pipe including supply by contractor (ISI Marked)	Mtr.	100.00	100.00	200.00		
	(Rate in words)						
7	Supplying & laying earth lead from earth electrode to Main Panel Board.						
(a)	25 x 3 mm G.I. Flat	Mtr.	10.00	10.00	20.00		
	(Rate in words)						
(b)	8 SWG GI wire	Mtr.	10.00	10.00	20.00		
	(Rate in words)						
8	Supplying of materials and installation of earth electrode made out of 50 mm dia class B. G.I. pipe of 3.00 Mtr. Long with arrangements for fitting / wire with G.I. nut bolts & washer including cost of charcoal, salt and foreign soil, water pouring arrangements brick masonry enclosure on top with removable C.I. cover complete with labour for excavation of pit, as per direction and as per IS 3043-1998.	Nos.	3.00	Nil	3.00		
	(Rate in words)						
	Sub Total						
	SECTION - C - 2 - FITTING & FIXTURES						
1	Installation, testing and commissioning of 1 X 18 watt LED Batten fixture complete on ceiling / wall by providing 2 nos. 20 mm dia 14 SWG G.I. conduit down rod of required length & making connection with required length o 1.5 Sqmm. twin flexible wire as per the direction. (Fittings to be supplied by the Bank.)	Nos.	70.00	60.00	130.00		
	(Rate in words)						

2	Fixing of 1 x 9 watt LED Ceiling light fitting including two in core 1.5 Sqmm. Copper wire & connection. (Fittings to be supplied by the Bank.)	Nos.	2.00	Nil	2.00		
	(Rate in words)						
3	Testing & commissioning of 1200 mm sweep A.C. ceiling fan including supply & installation of electronic modular step down fan regulator. (Fan to be supplied by the Bank.)	Nos.	34.00	24.00	58.00		
	(Rate in words)						
4	Erection, testing & Commissioning of 300 mm dia A.C. Exhaust fan including supply of two in core 1.5 Sqmm. Copper wire & connection. (Fans to be supplied by the Bank.)	Nos.	9.00	12.00	21.00		
	(Rate in words)						
5	Supply & installation of bulk head light fitting with 9 watt LED lamp.	Nos.	Nil	3.00	3.00		
	(Rate in words)						
6	Supplying & installation of angle holder with 10 watt LED.	Nos.	Nil	7.00	7.00		
	(Rate in words)						
	Sub Total						
SECTION - D - ANCILLIARY CIVIL WORKS							
SECTION - D - 1 - SURFACE DRAIN							
1	Earth work in excavation for foundation trenches for drain walls as shown in the drawing, in all kinds of soil, (including moorum and laterite soil) including spreading or stacking the surplus earth within or out side the site as directed. The rate quoted for excavation are to include cost of dewatering trenches and cleaning slushes and also for cutting through hard soil, old masonry if encountered, dressing and leveling the bed and sides of the excavated trenches.			Cum	60.00		
	(Rate in words)						
2	Providing and laying cement concrete of proportion (1:3:6) in foundation and sub-floor using stone aggregate 40 mm nominal size, allow for side shuttering if required, with cost of all labour and materials complete.			Cum	14.00		
	(Rate in words)						
3	Providing brick masonry work using approved and locally available best quality kiln burnt bricks having crushing strength not less than 75 Kg. /Sq. Cm. to be laid in cement mortar (1:4) including necessary curing etc. all as per drawing and specification complete with all labour and materials.			Cum	28.00		
	(Rate in words)						
4	Providing 15 mm thick plaster with cement and sand mortar (1:4) to inside faces of walls with neat cement finish, including racking out of joints, roughening the concrete surface, rounding of the corners inclusive of working in narrow width complete with all labour and materials.			Sqm.	142.00		
	(Rate in words)						

5	Providing and laying minimum 25 mm. thick A.S. / I.P.S. (Cement concrete) to floor of the drain invert with cement concrete (1:2:4) using 12mm down graded chips laid to proper slope, and smooth finish on top with additional cement rendering including rounding of corners, complete as per direction and specification including cost of additional cement for slurry complete with all labour and materials.	Sqm.	30.00		
	(Rate in words)				
6	Providing and laying 50 mm thick pre-cast and pre-cured reinforced cement concrete (1:1.5:3) drain covers including finishing smooth top and sides with cement plaster 5 mm thick (1:4) with neat cement slurry, providing re-enforcement steel (about 0.8%) and necessary shuttering, placing in proper position and fixing with cement mortar (1:4) sealing the joints including position with cement mortar (1:2) and watering complete with all labour and materials as per direction and drawing. Provide wheel hole as directed.	Sqm.	40.00		
	(Rate in words)				
Sub Total					
SECTION - D - 2 - ROAD WAYS AND PATH WAYS					
1	Box cutting for road / path ways upto required depth including dressing, leveling and preparing sub-grade and consolidation to proper chamber and gradient with power road roller in all kinds of soil, allow for necessary earth work in filling as required and spread and level surplus earth within the site as directed.	Cum	21.00		
	(Rate in words)				
2	Providing and laying cement concrete of proportion (1:3:6) in foundation and sub-floor using stone aggregate 40 mm nominal size, allow for side shuttering if required, with cost of all labour and materials complete.	Cum	21.00		
	(Rate in words)				
3	Providing and laying in position min. 60 mm. thick paver block "Tuff stone" or similar approved make of sizes, colour and pattern as shown in the drawing to be laid over a course 40 mm thick river sand jointed and placed slurry mixed with pigment, all as per direction complete with rubbing, roughening and cleaning the base with all labour and materials required for the work & compressed with plate compactor.	Sqm.	140.00		
	(Rate in words)				
4	Providing precast and procured cement concrete (1:2:4) kerb stone of size (450 mm x 300 mm x 175 mm) with graded stone aggregates and fixing in position and pattern as shown in the drawing in cement mortar (1:6) and pointing with cement mortar (1:2) including necessary excavation, and filling the sides of trenches etc. all complete as directed including necessary from work.	Rmt.	70.00		
	(Rate in words)				
Sub Total					

	SECTION - D - 3 - SITE DEVELOPMENT, SITE FILLING, LAND SCAPING, ARBOLICULTURE AND PLANTATION ETC.			
1	Hire & labour charges for running JCB / Poklane or any other suitable mechanical means and also cutting, drilling, breaking the hard rock by using Tata EX 70 / Tata EX 200 or any other suitable mechanical breaker all for dressing and leveling the surface to required contour. The item to be completed with cost of all necessary labour, fuel, charges of operators, refilling the excavated earth to ditches / wherever directed to achieve leveled surface complete and also disposal of surplus debris to a location within site. (Note : Entire work must be completed within the stipulated or in less time. No extra will be entertained in case more time is consumed.)	Hrs	12.00	
	(Rate in words)			
2	Supply and filling with river sand including watering, compacting using plate vibrator. The sand to be laid in layers not exceeding 200mm depth. The cost therefore shall include all labour, loading, unloading, transportation etc. complete.	Cum.	200.00	
	(Rate in words)			
3	Supply and filling with good earth suitable for growing plantations & lawns obtained from paddy fields or river bed complete with cost of all labour, loading, unloading and spreading evenly with watering and compaction complete.	Cum.	50.00	
	(Rate in words)			
4	Dressing & levelling the site by cleaning jungle, uprooting all vegetation, filling the ditches, cutting humps etc. and removal of all debris on completion of work of all agencies to a location arranged by contractor in confirmity with local municipal rules.	Item.	1.00	
	(Rate in words)			
	Sub Total			
	SECTION - D - 4 - CONSTRUCTION OF COMPOUND WALL			
1	Earthwork in excavation for foundation trenches of columns, walls, ground / plinth beams, plinth steps etc. as shown in the drawing, in all kinds of soil, (including moorum and laterite soil) including spreading or stacking the surplus earth within or out side the site as directed. The rate quoted for excavation are to include cost of dewatering trenches and cleaning slushes and also for cutting through hard soil, old masonry if encountered, dressing and leveling the bed and sides of the excavated trenches. Cost to include refilling trenches with good earth obtained from excavation with watering and ramming etc. complete.	Cum.	203.00	
	(Rate in words)			
2	Providing and laying cement concrete of proportion (1:3:6) in foundation and sub-floor using stone aggregate 20mm nominal size, allow for side shuttering if required, with cost of all labour and materials complete.	Cum.	25.00	
	(Rate in words)			

3	Providing, laying and hoisting re-inforced cement concrete of grade M:20 not leaner than (1:1.5:3) using 20 mm. and down graded granite chips including compacting concrete by mechanical means in pillars including cost of centering, shuttering but excluding re-inforcement steel (measured separately) complete with all labour and materials.				
(a)	Foundation & Plinth	Cum.	25.00		
	(Rate in words)				
(b)	Super Structure	Cum.	45.00		
	(Rate in words)				
4	Supplying, laying and tying HYSD/TMT as steel re-enforcement for above (for item No. 3) re-inforced concrete works including distribution bars, stirrups, binders etc; straightening of coils bars and removal of loose rust including applying a coat of cement wash if necessary, cutting to requisite length, hooking and bending to correct shape, placing in proper position and binding with 24 gauge lack annealed wire at every inter-section complete as per drawing and direction. (Weight shall be calculated as per standard tables and wastage shall not be accounted for the purpose of payment.)				
	(Rate in words)	M.T.	11.50		
5	Providing brick masonry work in cement mortar (1:6) using locally available best quality fly ash bricks having crushing strength not less than 75 Kg/Sq.Cm. The work shall be provided to plain or curved surfaces including offsets, splays, pillars, piers, steps etc. as per drawing and specification complete with all labour and materials in all thickness of walls.				
(a)	Foundation & Plinth	Cum.	87.00		
	(Rate in words)				
(b)	Super structure	Cum.	20.00		
	(Rate in words)				
6	Providing plaster with average 15 mm thick cement and sand mortar (1:6) to the outside face with cement and sand mortar including racking out of joints, roughening the concrete surface as per direction inclusive of working in narrow width, filling of porturated surface of the masonry work complete with all labour, materials and scaffolding charges.				
	(Rate in words)	Sqm.	735.00		
7	Applying two coats of approved Whether Coat to exterior surface (to be laid in accordance with the manufacturer's specification) after preparing the surface with sand papering, cleaning smoothing watering etc. complete with all labour, materials and scaffolding charges.				
	(Rate in words)	Sqm.	735.00		
8	Providing 25mm dia flexible PVC conduit in gate pillars to accommodate gate lights.				
	(Rate in words)	Nos.	2.00		
	Sub Total				
	SECTION - E - EXTERNAL SANITARY & PLUMBING WORKS				

	SECTION - E - 1 - UNDER GROUND SEWER, INSPECTION CHAMBER, SEPTIC TANK, SOAK WELL, GREASE CUM SAND TRAP ETC.				
*	All materials shall be of first class.				
*	The work shall be carried out in accordance with the specification and drawing.				
*	The rate shall include the cost of necessary earth work in excavation in all kinds of soil and refilling, bailing out of sub-soil or rain water, testing of sewer lines with their own appliances, shoring the excavated trenches if necessary, restoration of surface etc.				
*	The pipes while crossing the building, entrance, stair, or carriagable road shall be encased in 150 mm thick cement concrete (1:3:6) all round and the rate shall be thus included in respective item of pipe items.				
1	Supplying laying and jointing stone ware pipes with tarred gasket properly caulked and jointed with cement mortar (1:2) embedded in 150 mm thick cement concrete (1:3:6) sides around concrete as per specification, allow for necessary earth work in excavation, refilling the trenches restoration of surface, testing of pipe lines after erection etc. complete with all labour and materials.				
(i)	100 mm	Rmt.	65.00		
	(Rate in words)				
(ii)	150 mm.	Rmt.	38.00		
	(Rate in words)				
2	Construction of inspection pit in 25 cm thick brick work in cement mortar (1:4) on 150 mm thick cement concrete (1:3:6) bed using 20 mm size stone aggregates including inside plastering with 20 mm thick smooth cement sand plaster (1:3) including neat cement punning, forming channels in floor and supplying and fixing 455 mm dia (clear) x 8 cm thick cast iron water seal type man hole cover and frame (weight 52 kg) set in 10 cms thick R.C.C. (1:2:4) top slab cover with steel reinforcements, shuttering, centering and necessary earth work in excavation and refilling the sides of the pit etc. complete with all civil works, labour, and materials. (2'-6" x 2'-6" inside).				
		Nos	18.00		
	(Rate in words)				
3	Construction of septic tank with 25 cm. / 37.5 cm. thick brick work in cement mortar (1:4) on 23 cm. thick cement concretes bed (1:3:6) 12.5 cm. thick brick partition wall in cement mortar (1:4) having 3 nos. 10 cm. x 10 cm. openings having 2 nos. of R.C.C. 5 cm. thick 60 cm. high hanging baffle, 20 mm. thick cement plaster (1:4) with a coat of neat cement punning to inside surface, 15 c./10cm dia 2 nos. of S.W. inlet and out let junction, 2 nos. of 45 cm. dia. cast iron water seal type man hole cover and frame (weight 52 kg) set in 10cm. thick R.C.C. (1:2:4) cover slab using 20 mm. nominal size stone chips and necessary re-inforcements steel, shuttering and centering etc : 10 nos. built in wall heavy cast iron steps and one adjacent pit (size 75 cm x 75 cm. inside to inlet side and 150 cm x 45 cm to out let side) in 25 cm thick brick work (1:4) plastering with neat cement finish with 45 cm dia (clear) x 8 cm thick cast iron water seal type man hole cover and frame (wt. 52 kg) to inlet chamber only including forming smooth floating finish channels, etc.				

	with all necessary civil works viz. earth work in excavation, re-filling the sides, and disposal of excess earth as directed including supplying and fixing one No. 8' - 0" log 4" dia. C.I. foul gas pipe with cowl, duly painted in two coats of enamel paint over two coats of primer etc. all complete with labour and materials as per detail drawing (Approximate Internal size (6.0M long x 1.6M wide x 1.6M deep).	Sets	1.00		
	(Rate in words)				
4	Construction of soak well 1.20 Mtr. Dia inside 2.5 Mtr. Total depth with 25 cm. thick honey comb brick work in cement mortar (1:4) including filling the hall of inside depth of well and 30 cm thick outside circumference of well all round the full depth of the pit with jhama khoa and hats of sixes between 5 cm to 15 cm. Top shall be covered with 100 mm thick R.C.C. (1:2:4) slab using stone chips and necessary reinforcements, and shuttering etc. including plastering with 12 mm thick cement sand (1:4) plaster over internal and external surfaces of the R.C.C. slab, providing and fixing 45 x 8 m thick cast iron water seal type man hole cover with frame (wt. 52 kg) etc. including necessary earth work in excavation and disposal of excess earth as directed. Providing and making necessary arrangements for inlet and out-let pipe connections complete as per drawing and direction with all labour and materials.	Sets	2.00		
	(Rate in words)				
5	Construction of Grease / sand trap of 4' 0" x 2' 6" x 4' 6" internal size made of 25 cms thick brick chamber in cement mortar (1:4) on 23 cms thick cement concrete bed (1:3:6) using 20 mm thick smooth cement sand plaster (1:3) including neat cement punning, forming channel in floor with cement concrete (1:2:4) using stone chips and providing and fixing 2 nos. 50 mm thick R.C.C. (1:2:4) bottle walls of 450 width and supplying and fixing 1 no. of M.S. tray made of 550 mm x 550 mm x 230 mm M.S. Plate welded to 20 mm dia M.S. rod of suitable length with necessary horizontal M.S. rod as bracings.	Sets	1.00		
	(Rate in words)				
	Sub Total				
	SECTION - E - 2 - UNDER GROUND WATER STORAGE TANKS, OVER HEAD WATER STORAGE TANK AND EXTERNAL PLUMBING WORKS				
	NOTE :-				
*	All fittings shall be first class.				
*	The work shall be carried out in accordance with the specifications.				
*	All CPVC pipes shall be best quality and fittings must be heavy duty.				
*	The rates shall include cutting holes and chasing through floors or walls and repairing the same and necessary scaffolding etc.				
*	All CPVC pipes wherever exposed shall be painted with two coats of synthetic enamel paint over two coat of anti corrosive primer.				
*	The rates quoted shall include for cutting the pipes to required length, making threads, cost of earth work in all shorts of soil, testing the pipe lines etc. hangers and clamps, complete and mending the damages.				
*	No extra payment shall be entertained on above accounts.				

1	Supplying, fitting and fixing complete gun metal high pressure fittings of approved type and brand.				
(a)	40 mm dia Horizontal check valve.	Nos.	1.00		
	(Rate in words)				
(b)	40 mm dia Vertical check valve.	Nos.	1.00		
	(Rate in words)				
2	Syntex tank of following capacity with 45 cm drip proof man hole type cover and frame with locking arrangements, side screwed flanged holes of various sizes including cost of hoisting on roof, fixing in the position on brick masonry R.C.C. Slab supports (paid separately) as shown in the drawing with making proper connections of G.I. delivery and supply pipes, etc. complete with necessary sockets and joints, flange all complete.				
(i)	1500 Ltrs capacity	Nos.	2.00		
	(Rate in words)				
(i)	500 Ltrs capacity	Nos.	1.00		
	(Rate in words)				
3	Providing in the position 20 cm. thick brick masonry in cement mortar (1:6) and 10 cm thick R.C.C. slab supports for the above tanks and as shown in the drawing including all necessary civil works, viz. plastering in minimum 12 mm. thick (1:4), providing re-inforcement steel (@ 0.8%), centering and shuttering, and painting with minimum 2 coats of cement based paint all complete.				
		Sets	3.00		
	(Rate in words)				
4	Supplying and fixing 40 mm dia CPVC pipe inserts for over flow, was out, distribution, feed to tank arrangements with necessary CPVC pipes of medium quality and CPVC fittings etc. to be fixed at the time of installation of over head tank complete as per drawing including painting.				
		Item	1.00		
	(Rate in words)				
5	Supply, fitting and fixing 40 mm. dia. CPVC pipe as per specification and drawing with necessary earth work and re-filling, cutting chase, holes in walls, floors etc. and mending good the same, testing the pipe lines with tees, elbows, reducers, sockets, plug, unions etc. complete with all labour and materials.				
		Rmt.	60.00		
	(Rate in words)				
6	Effective filtered water supply pipe connection with the municipal water main including exposing the pipe, drilling and taping the same, providing 1/2" dia brass ferrule, cast iron surface box with union, and fittings up to boundary wall (inside) earth work and re-filling the trenches, restoration of road surfaces etc. all complete (To be paid on actual expenses on tender rates in its approved items).				
		Item	1.00		
	(Rate in words)				
7	Liason charges for necessary municipal/local authority charges for taking permission and obtaining sanction of road opening, preparation of drawing, if required, for water connections.				
		Item	1.00		
	(Rate in words)				

8	Under ground water sump : Construction of 15' - 0" x 5' - 0" x 5' - 0" deep (internal size) under ground water storage tank in 15 cm. thick reinforced cement concrete (1:1.5:3) in walls, floor and 10 cm. thick to cover slab. Using 20 mm. size stone aggregates and 75 mm. thick single layer flat brick soling etc., provide cement plaster (1:4) average 20 mm. thick to inside and outside with neat cement punning to inside floor, walls and ceiling with minimum 0.8% of reinforced steel, necessary shuttering, centering and props.				
	Providing necessary steps made of 16 mm. dia M.S. rods to walls	Item	1.00		
	(Rate in words)				
9	Supplying and fixing CPVC pipe inserts for making connection with	Item	1.00		
	(Rate in words)				
10	Supplying, fitting and fixing complete gun metal high pressure fittings				
(i)	40 mm. dia. G.M. foot and check valve.	Nos.	1.00		
	(Rate in words)				
(ii)	40 mm dia. G.M. croydon type ball cock with copper float ball.	Nos.	1.00		
	(Rate in words)				
SECTION - F - EXTERNAL ELECTRICAL INSTALLATION WORKS					
SECTION - F - 1 - PUMP & AREA LIGHT WIRING					
1	Pump Set				
	Supplying erection and commissioning suitable self priming electrically driven centrifugal pumping set, motor SIEMENS CROMPTON / LTLK) directly coupled and mounted on a common base plate, pressure gauge, voltmeter, non return valve, peets valve starter (SIEMENS / L&T / CROMPTON) etc. starter shall be complete with overload trip, single phase preventer and under voltage trip coil as described in the specification to fulfill the following requirements.				
(i)	Capacity 60 to 70 liters per minute				
(ii)	Total head in metre from all cases - 15 metres				
(iii)	Source of supply - under ground water sump				
		Item	1.00		
	(Rate in words)				
2	Construction of suitable cement concrete foundation for above pumps and effecting pipe connection with delivery line.	Item	1.00		
	(Rate in words)				
3(a)	Pump DB				
	Supplying, installing & testing of Pump panel board made of CR sheet, of 1.6 mm. thick duly primered & coated with 2 coats of grey enamel paint with following MCBS and inter connection.				
	40 Amp. TPN MCB with copper Bus-Bar - 1 set				
	32 Amp. DP MCB - 1 no.(For Pumps)				
	32 Amp DP MCB - 2 nos. (For Gate / Area Lights)	Set	1.00		
	(Rate in words)				
3	Supplying, installing & testing of Auto D.O.L. Starter on M.S. box & brackets cover for Pump (modular type).	Nos.	5.00		
	(Rate in words)				
4	Supplying & Laying of under ground PVC Copper armoured cable (4 x 16 Sqmm cable) of 1.1 KV grade.(from Main Panel to Pump DB)	Mtr.	20.00		
	(Rate in words)				

5	Earthing : Supplying of materials and installation of earth electrode made out of 50 mm. dia class (B) G.I. Pipe of 3 Meter long with arrangement for fitting / termination of G.I. flat / wire with G.I. nut bolts & washers including cost of charcoals salt, water pouring arrangements brick masonry enclosure on top with removable C.T. cover complete with labour for excavation of pit all as per IS:3034 - 1998.	Nos.	2.00		
	(Rate in words)				
6	Supplying & Laying underground / floor / walls 8 SWG G.I. wire as earth lead from earth electrode to Panel Board and also making both ends termination etc. complete.	Mtr.	30.00		
	(Rate in words)				
7	Supply, delivery and laying of 3 core x 6 Sqmm. of PVC insulated PVC sheathed round / strip armoured aluminium conductor power cable of 1100 V grade laid directly in ground / on surface of wall column / existing RCC structure / through G.I. pipe / hume pipe as the case may be including excavation of earth, cushioning protective covering, refilling the trenches with sand, brick covering including terminator determination complete as per direction.	Mtr.	82.00		
	(Rate in words)				
8	Installation of fittings on gate and making connection etc. complete. (Fittings to be supplied by Bank).	Nos.	2.00		
	(Rate in words)				
9	Loop in junction box - 2 mm thick sheet steel loop in JB of 200 mm x 160 mm x 75 mm having moduled bakelite base 6A proclane fuse fittings, earthing terminal with loops.	Nos.	12.00		
	(Rate in words)				
10	Supply & installation of Timer (Digital) for Area Light	Nos.	2.00		
	(Rate in words)				
11	Installation of Bracket Light fitting on wall for area lighting including supply of min. 750mm long 25mm dia duly painted G.I. pipe having bend @ 45% complete. (Fittings to be supplied by bank.)	Nos.	8.00		
	(Rate in words)				
	Sub Total				
	SECTION-G SUPPLY ITEMS				
1	Supply of 1 X 18/20 watt batten fitting (Philips / Crompton)				
	(Rate in words)				
2	Supply of LED 9 watt Ceiling light fittings including Lamps (Philips, bajaj, Crompton, havells)				
	(Rate in words)				
3	Supply of Street Light with bracket 1P65 40 Watt				
	(Rate in words)				
4	Supply of 300 mm dia 900 RPM Exhaust fan with gravity louvers of usha / Bajaj / Crompton of approved quality				
	(Rate in words)				
5	Supply of 1200 mm sweep ceiling fan having double ball bearing, canopy, down rod, connection wire etc. of Bajaj / Crompton / Usha of approve quality				
	(Rate in words)				
6	Supply of Call Bell Ding Dong Type				
	(Rate in words)				
	Sub Total				

**BILL OF QUANTITIES FOR CONSTRUCTION OF SBI RSETI BUILDING
AT SUKMA, CHHATISGARH**

ABSTRACT

<u>Description</u>	<u>Amount (Rs.)</u>
<u>Section - A - General Civil Works</u>	Rs.
Section - A - 1 - Foundation & Plinth	Rs.
Section - A - 2 - Masonry & Concrete Works	Rs.
Section - A - 3 - Floor Surfacing	Rs.
Section - A - 4 - Plastering	Rs.
Section - A - 5 - Doors & Windows	Rs.
Section - A - 6 - Steel & Hardware	Rs.
Section - A - 7 - Hardware Fixtures	Rs.
Section - A - 8 - Painting & Finishing	Rs.
Section - A - 9 - Specialist Items of Work	Rs.
Section - A - 10 - Miscellaneous Items of Work	Rs.
Sub Total (Section A)	Rs.
<u>Section - B - Internal Sanitary & Plumbing Works</u>	
Section - B - 1 - Sanitary Fittings & Fixtures	Rs.
Section - B - 2 - Soil Waste Pipes & Fittings	Rs.
Section - B - 3 - Water Supply Pipes & Fittings	Rs.
Sub Total (Section B)	Rs.
<u>Section - C - Internal Electrical Installation Work</u>	
Section - C - 1 - Main Panel Board & Wiring Work	Rs.
Section - C - 2 - Fittings & Fixtures	Rs.
Sub Total (Section C)	Rs.
<u>Section - D - Ancillary Civil Works</u>	
Section - D - 1 - Surface Drain	Rs.
Section - D - 2 - Road Ways & Path Ways	Rs.
Section - D - 3 - Site Development Works	Rs.
Section - D - 4 - Construction of Compound Wall	Rs.
Sub Total (Section D)	Rs.
<u>Section - E - External Sanitary & Plumbing Works</u>	
Section - E - 1 - Underground Sewer, Septic Tank, Soak Well, Inspection Chamber, Grease Cum Sand Trap Etc.	Rs. Rs. Rs.
Section - E - 2 - Under Ground Water Storage Tank, Over Head Water Storage Tank, And External Plumbing Works	Rs. Rs. Rs.
Sub Total (Section E)	Rs.
<u>Section - F - External Electrical Installation Work</u>	
Section - F - 1 - Pump & Area Light Wiring	Rs.
Section -G- Supply Items	Rs.
Total (Section A to Section G)	Rs.

GST Extra as applicable