

PRICE BID

E-TENDER NO. LB & RRB/2024-25/01 DATED 25.07.2024

BILL OF QUANTITEIS FOR ADDITION & ALTERATION TO EXISTING

SBRSETI BUILDING AT BOLANGIR, ODISHA

Sl. No.	Particulars	Unit	Qty.			Rate (Rs.)	Amount (Rs.)
			G.F.	F.F.	Total		
	SECTION - A - GENERAL CIVIL WORKS						
	SECTION - A - 1 - DISMANTLING / SCRAPPING / REMOVING ETC. WORK						
1	Dismantling doors, windows, grills, collapsible gates etc. from its existing position including cutting off hold fasts, removing chouxhats etc. carefully and handing over the useful material to the owner's store including mending good to the damages.	Nos.	5.00	Nil	5.00		
2	Chiseling out RCC roof slab along thickness in slope exposing re-inforcement steel partially on edges and disposal of debris to a location to be arranged by the contractor in conformity to the local Municipal rule.	Rmt	23.00	Nil	23.00		
3	Dismantling all electrical works, inclusive wiring switch boards, panel board, DB's etc. and handing over all useful material to the owner.	Item	L.S.	L.S.	L.S.		
4	Dismantling all plumbing works carefully including fittings & fixtures, water supply pipes & fittings, soil waste pipes & fittings and handing over all useful materials to the owner's store and disposal of debris to a location arranged by the contractor out side the premises. (Bath Rooms)	Nos.	4.00	Nil	4.00		
5	Dismantling carefully grading plaster on roof top inclusive of removal of debris to a location arranged by contractor in conformity with municipal rules by any means.	Sqm.	400.00	Nil	400.00		
6	Scrapping and removing the existing floor finishes including skirting of all types and thickness carefully with the help of necessary T&P and at places shown in the drawing including disposal of rubbish to the location arranged by the contractor in conformity with the local rules including the cost of all labour, T&P, etc. required for the work.	Sqm.	20.00	Nil	20.00		

Sl. No.	Particulars	Unit	Qty.			Rate (Rs.)	Amount (Rs.)
			G.F.	F.F.	Total		
7	Dismantling brick masonry work of all thickness wherever directed carefully including plaster, electrical or plumbing fixtures & fittings from the effected area and removing the rubbish to a location arranged by the contractor in conformity with the local municipal rules including cost of all labour, T&P etc. required for the work.	Cum	38.00	Nil	38.00		
Sub Total							
SECTION - A - 2 - 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.	40.00	Nil	40.00		
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)	Supply and filling with river sand including loading, unloading and transportation etc.	Cum.	75.00	Nil	75.00		
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.	16.00	Nil	16.00		
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.	10.00	Nil	10.00		

Sl. No.	Particulars	Unit	Qty.			Rate (Rs.)	Amount (Rs.)
			G.F.	F.F.	Total		
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.	72.00	Nil	72.00		
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.	15.00	Nil	15.00		
7	Supplying, laying and tying plain or ribbed deformed bars as steel re-inforcement for above 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) .	M.T.	2.00	Nil	2.00		
Sub Total							
SECTION - A - 3 - MASONRY AND CONCRETE WORKS.							
	Note:- The rates quoted shall cover for all floors and heights under this section. Contractor is deemed to have studied drawings and site conditions.						

Sl. No.	Particulars	Unit	Qty.			Rate (Rs.)	Amount (Rs.)
			G.F.	F.F.	Total		
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.	46.00	150.60	196.60		
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.	58.00	372.00	430.00		
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.	10.20	150.60	160.80		
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.	212.00	1,700.00	1,912.00		
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.						

Sl. No.	Particulars	Unit	Qty.			Rate (Rs.)	Amount (Rs.)
			G.F.	F.F.	Total		
a)	To 75mm thick, sills, plat forms, lofts chajja etc.	Sqm.	Nil	16.50	16.50		
b)	To 65 mm thick R.C.C. drops, fins, stair railings etc.	Sqm.	5.00	35.00	40.00		
6	Providing & fixing in position 40 mm thick pre-cast and precured re-inforced concrete in c.c. 1:2:4 using 6 mm chips and @ 8% of re-inforced stell, finished with a coat of neat cement punning as shelves to be fixed in position after cutting 25 mm deep groove and placing position with cement sand (1:3) grout complete with cost of all labour & material.	Sqm.	40.00	Nil	40.00		
Sub Total							
SECTION - A - 4 - FLOOR SURFACING							
1	Providing and laying A.S./I.P.S. (Cement conc.) to floor, dadoo, skirting etc. 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.						
a)	40 mm thick to floor, landing, stair-treads etc.	Sqm.	78.00	Nil	78.00		
b)	20 mm thick skirting, dadoo, risers, etc.	Sqm.	12.00	Nil	12.00		
2	Extra ever item No. 1 (a) above for providing, laying and fixing in position of 5.00 mm thick glass dividing strips in order to form bays as directed including cutting and placing in position complete with all labour and materials.	Rmt.	36.00	212.00	248.00		

Sl. No.	Particulars	Unit	Qty.			Rate (Rs.)	Amount (Rs.)
			G.F.	F.F.	Total		
3	Supplying and laying 300 mm.x 450 mm. x 5 mm. (min) thick white glazed tiles of approved make to 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.	8.00	375.00	383.00		
4	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.	22.00	132.00	154.00		
5	Providing and fixing 17/18 mm thick green marble slab on to the floor of Toilets over a base coarse of ave. 12 mm. thick cement mortar in 1:3 proportion, including polishing to superior finish, white cement mixed with pigment grouting complete.	Sqm.	5.00	90.00	95.00		

Sl. No.	Particulars	Unit	Qty.			Rate (Rs.)	Amount (Rs.)
			G.F.	F.F.	Total		
6	Providing and laying 10 mm. thick Factory made, cut and Factory polished to matt finish stained proof (First quality) 600x600 S. S. 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. 45.00/Sqft.) NITCO / CERA / JOHNSON / KAJARIA	Sqm.	Nil	398.00	398.00		
7	Providing and laying in position min. 22 mm. thick pre-cast and pre-cured cement concrete tiles of approved make of sizes, colour and pattern as shown in the drawing to be laid 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 rubbing, roughening and cleaning the base with all labour and materials required for the work. (To Parking)	Sqm.	135.00	Nil	135.00		
8	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.	6.00	Nil	6.00		
Sub Total							
SECTION - A - 5 - 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.						

Sl. No.	Particulars	Unit	Qty.			Rate (Rs.)	Amount (Rs.)
			G.F.	F.F.	Total		
(a)	With average 15 mm. thick cement and sand mortar (1:6) on to the out-side face.	Sqm.	195.00	952.00	1,147.00		
(b)	With average 15 mm. thick cement and sand mortar (1:6) on to the in-side face.	Sqm.	185.00	1,453.00	1,638.00		
(c)	With minimum 5mm. thick cement sand mortar (1:3) to ceiling, soffit of stair, chhajja etc.	Sqm.	120.00	600.00	720.00		
(d)	Extra over Item No. (c) above for rounding off or chamfering the corners of walls, coloumns etc.	Rmt.	120.00	150.00	270.00		
(e)	Extra over Item No. (c) above for providing throating or nosing at drip course moulding as directed.	Rmt.	200.00	120.00	320.00		
Sub Total							
SECTION - A - 6 - DOORS & WINDOWS							
1	Providing and fixing in position factory made solid PVC door frames of 4" x 2" in size with help of suitable size screws in adequate nos. along with jam etc. complete with cost of all labour & materials.	Rmt.	4.00	78.00	82.00		
2	Providing and fixing in position 30mm thick exterior grade having min. 5 years guarranty phenel bonded solid core flush door. (Century / Green / Sylvan)	Sqm.	2.50	30.00	32.50		
3	Providing and fixing in position min. 30mm thick WPC door leaf with WPC 3" x 2" door frame all factory made of approved design having life long guarantee.	Sqm.	Nil	35.00	35.00		
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.	Nil	8.64	8.64		
(b)	Sliding Window 2 Track	Sqm.	Nil	75.60	75.60		
Sub Total							
SECTION - A - 7 - STEEL AND HARDWARE.							

Sl. No.	Particulars	Unit	Qty.			Rate (Rs.)	Amount (Rs.)
			G.F.	F.F.	Total		
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 intersection 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.	Nil	20.00	20.00		
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.	Nil	6.00	6.00		
3	Supplying and fixing M.S. clamps to door frames made of 25 mm x 6 mm. flats and bifurcated, fixed in cement concrete (1:2:4) with stone chips as per direction and mending all the damages with all labour and materials.						
(a)	225 mm long	Nos.	8.00	4.00	12.00		
(b)	150 mm Long	Nos.	4.00	60.00	64.00		
4	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.	6.00	60.00	66.00		
5	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.	324.00	1,250.00	1,574.00		

Sl. No.	Particulars	Unit	Qty.			Rate (Rs.)	Amount (Rs.)
			G.F.	F.F.	Total		
6	Supplying and fixing steel casement windows, ventilators, manufactured from rolled steel sections, conforming to latest I.S. code with pressed steel galvanized fittings viz; two point handles. 300mm long peg stay etc. as required with extruded non-friction hinges, coupling members, glazing bars, M. S. handle plates, including 4mm thick clear / obscured glass, putty mastic fitting, fixing lugs in cement concrete (1:2:4) with stone aggregates, cutting holes and mending good the damages and painting with two coats of synthetic enamel paint of approved shade and brand over two coats of zinc chromates primer to steel members all completes as per drawing and direction.	Sqm.	21.60	Nil	21.60		
Sub Total							
SECTION - A - 8 - HARDWARE FIXTURES							
	NOTE: All fittings unless otherwise mentioned shall be of buffed stainless steel inclusive of approved quality manufactured confirming to I.S. specification fitted and fixed in position with steel screws. Samples of all fittings got to be approved by the consultants before purchase.						
	Supplying and fixing hardware fittings to doors including steel screws:-						
1	Supplying, fitting and fixing 100 x 75 x 10 gauge. butt hinges.	Nos.	4.00	60.00	64.00		
	(Rate in words)						
2	Providing and fixing heavy duty 50 mm/65 mm. solid rubber door buffer.	Nos.	1.00	15.00	16.00		
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.	1.00	15.00	16.00		
4	Supplying fitting and fixing heavy duty S. S. Tower Bolt (full covered).						
(a)	225 mm long x 10 mm dia rod.	Nos.	2.00	30.00	32.00		
5	Supplying, fitting and fixing 300 mm long x 18 mm dia S. S. Aldrops.	Nos.	1.00	15.00	16.00		
6	Supplying, fitting and fixing 125 mm grip x 10 mm dia rod laquered brass 'D' type handle with continuous plate.	Nos.	1.00	15.00	16.00		
Sub Total							
SECTION - A - 9 - PAINTING AND FINISHING.							

Sl. No.	Particulars	Unit	Qty.			Rate (Rs.)	Amount (Rs.)
			G.F.	F.F.	Total		
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.	300.00	970.00	1,270.00		
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.	260.00	1,500.00	1,760.00		
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.	200.00	600.00	800.00		
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.	5.00	215.00	220.00		
	Sub Total						
	SECTION - A - 10 - SPECIALIST'S ITEMS OF WORK.						
	[To be carried out by specialist firms. Approval of the firm got to be obtained before the commencement of the work.]						

Sl. No.	Particulars	Unit	Qty.			Rate (Rs.)	Amount (Rs.)
			G.F.	F.F.	Total		
1	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.			680.00		
2	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.			650.00		
3	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.			650.00		
4	Anchoring						

Sl. No.	Particulars	Unit	Qty.			Rate (Rs.)	Amount (Rs.)
			G.F.	F.F.	Total		
	Drilling the concrete work to a suitable dia using concrete bits to a minimum depth of 10-15 D of bar or as per design requirement to be ascertained by the contractor in consultation with specialized firm. The bar finder/ scanner if necessary may be used to ascertain the location of bars. Insert the reinforcement steel bars using chemicals HY 150 manufactured by HILTI or FISV-360 of M/s FISHER all as per manufacturer's specification to achieve designed pull out strength under the supervision of manufacturer's technical officer by the specialist firm appointed by the contractor and also furnish a guarantee against the structural stability, complete.						
(i)	12 mm dia	Nos.	50.00	15.00	65.00		
(ii)	16 mm dia	Nos.	Nil	16.00	16.00		
5	Bonding						
	Applying a coat of Epoxy based Bonding Agent of SIKA/Fosroc/Pidilite over the existing concrete surface (edge of the slab) by brush after cleaning the surface thoroughly with wire brush, watering etc. chipping/chiseling the surface as directed complete with cost of all materials, labour and as per manufacturer's specification.	Rmt.	Nil	23.00	23.00		
	Sub Total						
	SECTION - A - 11 - MISCELLANEOUS ITEMS OF WORK						
1	Providing minimum 165 mm dia SWR PVC pipe for drainage of Rain Water, laid in proper slope and socketed and jointed in solvent cement with rubber gasket. The item to be executed concealed in floor and prior to laying of base concrete.	Rmt.	Nil	100.00	100.00		
2	Providing and fixing in position 110 mm dia PVC Rain water spouts @ 650 long 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.	Nos.	2.00	6.00	8.00		
	Sub Total						
	SECTION - B - INTERNAL SANITARY AND PLUMBING WORKS						

Sl. No.	Particulars	Unit	Qty.			Rate (Rs.)	Amount (Rs.)
			G.F.	F.F.	Total		
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.	Nil	2.00	2.00		
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.	Nil	2.00	2.00		
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.	4.00	4.00	8.00		

Sl. No.	Particulars	Unit	Qty.			Rate (Rs.)	Amount (Rs.)
			G.F.	F.F.	Total		
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.	Nil	8.00	8.00		
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.	Nil	3.00	3.00		
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.	Nil	2.00	2.00		
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.	Nil	30.00	30.00		
8	Supplying and fixing of 55 x 40 cms wash hand basin in white vitrious ware (ISI marked CERA : S2040103 or any other similar approved make) including 15mm dia single centered C.P. deluxe head pillar cock (Heavy type) including 32mm 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.	Nil	6.00	6.00		

Sl. No.	Particulars	Unit	Qty.			Rate (Rs.)	Amount (Rs.)
			G.F.	F.F.	Total		
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.	Nil	6.00	6.00		
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.	Nil	3.00	3.00		
11	Shower Set :- Providing and fixing in position overhead shower set having one no. of 15 mm dia long body bib cock, one o. of 15 mm dia stop cock, one no. of revolving and fitting type C.P. shower rose (CERA : F7020103) with arm etc. The water supply comprises of 12 mm dia & 20 mm dia CPVC Pipe inclusive of elbows, bends as necessary complete with cost of all labour & materials.	Sets.	Nil	12.00	12.00		
12	Supply, fitting and fixing minimum 5.5 mm thick beveled edged sheet glass mirror of approved make with necessary B.W.P. ply as backing sheet, C.P. dome shaped screws, complete.	Sqm.	Nil	3.00	3.00		
13	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.	Nil	6.00	6.00		

Sl. No.	Particulars	Unit	Qty.			Rate (Rs.)	Amount (Rs.)
			G.F.	F.F.	Total		
14	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		
15	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		
16	Supply, fitting and fixing of C.P. brass soap tray (Heavy type) with brass screws complete.	Nos.	Nil	12.00	12.00		
17	Supplying & fixing double pronged heavy type C. P. Brass rob hook of approved type.	Nos.	Nil	24.00	24.00		
18	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.	Nil	30.00	30.00		
(ii)	75 mm dia.	Rmt.	Nil	30.00	30.00		
19	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.	Nil	6.00	6.00		
(ii)	75 mm dia.	Nos.	Nil	6.00	6.00		
	(Rate in words)						
20	125 mm dia Stainless Steel floor grating of approved make (heavy type).	Nos.	Nil	40.00	40.00		

Sl. No.	Particulars	Unit	Qty.			Rate (Rs.)	Amount (Rs.)
			G.F.	F.F.	Total		
21	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.	Nil	12.00	12.00		
(ii)	With C.P. brass coupling at both ends	Nos.	Nil	10.00	10.00		
22	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.	Nil	20.00	20.00		
23	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.	Nil	22.00	22.00		
(ii)	32 mm	Rmt.	Nil	32.00	32.00		
(iii)	25 mm	Rmt.	Nil	45.00	45.00		
(iv)	20 mm	Rmt.	Nil	62.00	62.00		
(v)	15 mm	Rmt.	Nil	51.00	51.00		
24	CPVC ball valve heavy type and approved Quality and make.						
(i)	40 mm	Nos.	Nil	2.00	2.00		
(ii)	32 mm	Nos.	Nil	6.00	6.00		
(iii)	25 mm	Nos.	Nil	6.00	6.00		
25	15 mm dia white C.P. brass connector with C.P. brass couplings at both ends (Heavy type).						
		Nos.	Nil	56.00	56.00		
26	15 mm dia C.P. deluxe head stop cock of easy clean pattern. [Cera : F 8040204]						
		Nos.	Nil	16.00	16.00		
27	15 mm dia C.P. brass deluxe head bib cock of easy clean pattern. [Cera : F2002151]						
		Nos.	Nil	16.00	16.00		
28	15 mm dia long body C.P. brass deluxe head bib cock of easy clean pattern.						
		Nos.	Nil	2.00	2.00		
29	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.	Nil	8.00	8.00		
Sub Total							

Sl. No.	Particulars	Unit	Qty.			Rate (Rs.)	Amount (Rs.)
			G.F.	F.F.	Total		
	SECTION - C - INTERNAL ELECTRICAL INSTALLATION WORK						
1	FLOOR DB						
	Supply, installation of 4 way TPN DB factroy made double door with following arrangements:						
	Incoming :						
	63 - 40 Amp. TPN MCB 'C' Class - 1 No.						
	Outgoing :						
	32 Amp DP MCB 'C' Class - 6 Nos.						
		Set	Nil	1.00	1.00		
2	LIGHT DB						
	Supply and fixing 250V 12 way SPN MCB distribution board (Consumer units, Company made with double door cover to be used) M.S. Cubical Type duly flushed with the wall surface including making good to all damages with following switches:						
	Incoming						
	32 Amp MCB 'C' Class -1 No.						
	Outgoing :						
	10 - 32 Amp SP MCB 'C' Class - 10 Nos.						
		Set	Nil	6.00	6.00		
3	POINT WIRING						
	Providing Recessed (Concealed) wiring to light, fan, exhaust fan, ceiling fan, call bell 5 Amp plug points including circuit wiring as described below drawn through 25 mm. outer diameter M.S. Conduits partly pre-laid in RCC roof slab and partly on wall bycutting groove as per IS:9537 (Part - III) with single core PVC insulated, unsheathed cable of copper conductor FRLS (Finolex / Havells / Polycab) of size 1.5 Sq. mm. (22 / 0.3 mm.) for point wiring and 2.5 Sq. mm (36/0.3 mm) for Circuit wiring of 650/1100 volt grade drawn from Light DB to loop in box, junction box, switch board etc. and fixing of company made Galvanized Boxes of 50 mm. deep of appropriate size inside the wall, 6 Amps. 230/250 Volts grade modular clip-in type switches [Mylinec (Legrand) / Crabtree (Havells) / or equivalent approved make], Angle batten holder / Batten holder / Ceiling rose (as required), 25/50 mm. deep R.J. Box with 3 mm. thick Bakelite cover of the required sizes including earth continuity wirre of insulated. (250/650 Volts grade) single core Solid Copper Conductor o size						
(a)	Light & Exhaust fan points	Pts.	12.00	116.00	128.00		

Sl. No.	Particulars	Unit	Qty.			Rate (Rs.)	Amount (Rs.)
			G.F.	F.F.	Total		
(b)	Ceiling fan point with provision for installation of two modular type electronic HUM free step type fan regulator	Nos.	2.00	38.00	40.00		
(c)	6A Plug Socket outlet on existing switch board	Pts.	Nil	10.00	10.00		
(d)	Wiring to 6A plug socket outlet as above on separate switch board at a height of 1.00 Mtr. From floor level.	Pts.	Nil	28.00	28.00		
4	SUB-MAIN WIRING						
	Wiring with PVC insulated 1100 volt grade two runs of single core multi stranded copper conductor wire drawn through recessed (concealed) 25mm outer diameter screw type blade, stove enamelled M.S. conduits as per IS:9537 (Part-III) partly recessed in wall and partly in RCC roof slab of the building along pipes with accessories as required.						
(a)	From LT Panel to Floor DB in 2 x 10 Sqmm + 1 x 4 Sqmm as running earth.	Rmt	Nil	156.00	156.00		
	(Rate in words)						
(b)	From Floor DB to Light DB and also to AC or Power Point in 2 x 6 Sqmm + 1 x 2.5 Sqmm as running earth.	Rmt	Nil	420.00	420.00		
5	M. S. CONDUITS						
	Supply and laying 25 mm outer diameter screw type black stove enamelled M.S. Conduits to be laid in roof, wall, beam, column before laying of concrete along with 1 no. of 16 SWG G.I. fish wire for drawal of PVC copper conductors including supply of sheet metal boxes, with bakelite cover and also tying the conduits with re-inforcement steel with 24 SWG wire complete with all necessary elbow, bends, Tees Junction boxes etc.	Mtr	Nil	240.00	240.00		
6	POWER PLUG SOCKET						
	Supplying & fixing no. of modular clip in type 16 amp. Plug socket on galvanized boxes along with 16 Amp switch. The item to be made recessed in wall.	Nos.	Nil	2.00	2.00		
7	FIXING OF FIXTURES						
(a)	Fixing of 2 x 28 watt LED suspended fitting including supply of 2 nos. of duly painted down rod, wall socket, connection wire etc. complete. (Fitting supplied by Bank)	Nos.	6.00	80.00	86.00		
(b)	Fixing of Ceiling Fan including supply of necessary connective wire, and electronic regulator. (Fan to be supplied by Bank.)	Nos.	1.00	38.00	40.00		

Sl. No.	Particulars	Unit	Qty.			Rate (Rs.)	Amount (Rs.)
			G.F.	F.F.	Total		
(c)	Fixing of 12" dia exhaust fan including making all arrangements b cutting hole / steel brackets etc. as may be the case with all civil works and mending good to the damages. (Exhaust Fan to be supplied by Bank)	Nos.	Nil	10.00	10.00		
(d)	Supply & fixing of 15 watt LED Bulb over existing light points complete.(Crompton / Bajaj / Philips/Havelles).	Nos.	2.00	26.00	28.00		
(e)	Supply, fitting & fixing of 10 watt LED Bulk Head of water proof type fitting. (Crompton / Bajaj / Philips/Havelles).	Nos.	Nil	6.00	6.00		
Sub Total							
SECTION - D - EXTERNAL SANITARY & PLUMBING WORKS							
1	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 20mm size stone aggregates including inside plastering with 20mm 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'-0" x 2'-0" inside).	Nos.			4.00		
2	Dismantling and shifting of 1500 ltrs. capacity Syntex tank 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 CPVC delivery and supply pipes, etc. complete with necessary sockets and joints, flange all complete.	Sets.			2.00		

Sl. No.	Particulars	Unit	Qty.			Rate (Rs.)	Amount (Rs.)
			G.F.	F.F.	Total		
3	Supplying and fixing 40 mm dia CPVC pipe inserts for over flow, wash out , distribution, feed to tank arrangements with necessary CPVC pipes and fittings eg: brass FTA union type/fixed type, tank nipple unions, 40 mm dia ball valve to drain out let etc. to be fixed at the time of installation of over head tank complete as per drawing.	Item			1.00		
4	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.			20.00		
5	Supplying, fitting and fixing complete gun metal high pressure fittings of approved type and brand.						
(i)	40 mm. dia. CPVC ball valve./Non return valve etc.	Nos.			2.00		
	Sub Total						
SECTION - E - EXTERNAL DEVELOPMENT WORKS							
Construction of Guard Wall & Site Filling							
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.			40.00		
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 with earth obtained from excavation.	Cum.			23.00		

Sl. No.	Particulars	Unit	Qty.			Rate (Rs.)	Amount (Rs.)
			G.F.	F.F.	Total		
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.			6.00		
4	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.			52.00		
5	Providing plaster with average 15 mm. thick cement and sand mortar (1:6) on to the faces of walls including top.	Sqm.			85.00		
6	Providing cement based paint to exposed faces of wall with 'Super Snow-Cem' or equivalent min. two or more coats to bring an uniform shade with cost of all labour and materials.	Sqm.			85.00		
7	Supplying and filling with river sand including loading, unloading and all transportation to be laid in layers 150mm including ramming and compacting complete.	Cum.			315.00		
8	Supply and filling with good earth in layers obtained from fields to grow plants, lawns etc. mixed with manuer all complete with cost of all labour and materials.	Cum.			105.00		
9	Providing and laying min. 65mm thick inter locking pavers block to be laid over a 2"/3" sand bed complete with cost of all labour and materials.	Sqm.			153.00		
Sub Total							

ABSTRACT

<u>Description</u>	<u>Amount (Rs.)</u>
<u>Section - A - General Civil Works</u>	
Section - A - 1 - Dismantling / Scrapping / Removing etc. Works	Rs.
Section - A - 2 - Foundation & Plinth	Rs.
Section - A - 3 - Masonry & Concrete Works	Rs.
Section - A - 4 - Floor Surfacing	Rs.

Sl. No.	Particulars	Unit	Qty.			Rate (Rs.)	Amount (Rs.)
			G.F.	F.F.	Total		
	Section - A - 5 - Plastering					Rs.	
	Section - A - 6 - Doors & Windows					Rs.	
	Section - A - 7 - Steel & Hardware					Rs.	
	Section - A - 8 - Hardware Fixtures					Rs.	
	Section - A - 9 - Painting & Finishing					Rs.	
	Section - A - 10 - Specialist Items of Work					Rs.	
	Section - A - 11 - Miscellaneous Items of Work					Rs.	
	Total					Rs.	
	Section - B - Internal Sanitary & Plumbing Works					Rs.	
	Section - C - Internal Electrical Installation Works					Rs.	
	Section - D - External Sanitary & Plumbing Works					Rs.	
	Section - E - External Development Works					Rs.	
	Grand Total					Rs.	