

FINANCIAL BID

CONSTRUCTION & ALLIED WORK FOR STATE BANK OF INDIA SME BRANCH, INDUSTRIAL ESTATE, BALOTRA

S.No	Item	Unit	Qty.	Rate	Amount
A	EARTH WORK				
A.1.1	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30cm in depth. 1.5m in width as well as 10 sqm on plan in all kind of soil) including disposal of excavated earth, lead upto 50m and lift upto 1.5 m , disposed earth to be levelled and neatly dressed: All kinds of soil	CUM	341.41		
A.1.2	Filling available excavated earth (excluding rock) in trenches, plinth side of foundation etc. in layers not exceeding 20 cm. in depth, consolidating each deposited layer by ramming and watering including lead up to 50 meter and with all lift.	CUM	32.77		
A.1.3	Filling with locally available sand at all levels including watering ramming consolidating and dressing complete including cost of sand.	CUM	280.00		
A.1.4	Diluting and injection Chloropyrifos Emulsifiable concentrate 20% with 1% concentration for PRE-CONSTRUCTIONAL Anti termite treatment as per IS 6313 part III as amended from time to time and creating a continuous chemical barrier under and around the column pits, wall trenches, basement excavation, top surface of plinth filling, junction of wall and floor along the external perimeter of building expansion joints, over the top surface of consolidated earth of which aproch is to be laid surrounding of pipes and conduits etc. complete as per specification (Plinth floor area only shall be measured for payment and excluding the cost of chemical emulsion)	SQM	278.68		
B	CONCRETE WORK				
	PLAIN CEMENT CONCRETE (CAST-IN-SITU):				
	Providing and laying in position cement concrete including curing, compaction etc. complete in specified grade excluding the cost of centering and shuttering - All work up to plinth level. 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size).	CUM	52.10		
C	REINFORCED CONCRETE WORK				
C.1	RCC IN FOOTING				
	Providing and laying in position specified grade of cement concrete for all RCC structural elements upto plinth level including curing, compaction, finishing with rendering in cement sand mortar 1:3 (1 cement: 3 coarse sand) and making good the joints and cost of plastizers(if required) excluding the cost of centering, shuttering and reinforcement. M25 grade Nominal Mix / Design Mix	CUM	79.36		
C.2	RCC IN BEAMS AND SLAB				
	Providing and laying in position specified grade of cement concrete for RCC structural elements upto floor two level including curing, compaction, finishing with rendering in cement sand mortar 1:3 (1 cement: 3 coarse sand) and making good the joints and cost of plastizers(if required) excluding the cost of centering, shuttering and reinforcement for Beams, suspended floors, roofs, grids having slopes up to 15°, landings, balconies, shelves, chajjas, lintels, bands, plain windows sills, staircases and spiral staircases etc. M20 grade Nominal Mix / Design Mix	CUM	117.09		
C.3	RCC IN COLUMNS/RCC WALLS				

	<p>Providing and laying in position specified grade of cement concrete for RCC structural elements upto floor five level including curing, compaction, finishing with rendering in cement sand mortar 1:3 (1 cement: 3 coarse sand) and making good the joints and cost of plastizers (if required) excluding the cost of centering, shuttering and reinforcement for Walls (any thickness) including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc.</p> <p>M20 grade Nominal Mix / Design Mix</p>	CUM	65.34		
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D	STEEL REINFORCEMENT:				
	Providing and fabricating reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding (including cost of binding wire) all complete up to floor two level.	Kg.	22302.00		
E	FORMK WORK				
E.1	Centering and Shuttering with plywood or steel sheets including strutting, propping bracing both ways and removal of formwork for foundation , footings, strap beam, raft , bases of columns etc.	SQM	78.22		
E.2	Centering & shuttering with plywood or steel sheets including strutting, propping bracing both ways with steel props and removal of formwork for upto floor two level for :				
a	Suspended floors, roofs, landings, staircases, balconies, girders, cantilevers, bands, coping bed plates, anchor blocks, sills, chhajjas, lintel, beam, plinth beam etc.	SQM	920.79		
b	Columns, pillars, posts and struts etc.	SQM	582.93		
F	BRICK MASONARY WORK :-				
	Brick work with F.P.S. bricks of class designation 75 in superstructure above plinth level upto floor V level in all shapes and sizes in :				
	Cement mortar 1 : 4 (1 cement : 4 coarse sand)	CUM	170		
G	WATER PROOFING TREATMENT				
G.1	Providing and laying water proofing treatment to vertical and horizontal surfaces of depressed portions of W.C., kitchen and the like consisting of:				
	(i) Ist course of applying cement slurry @ 4.4 kg/sqm mixed with water proofing compound conforming to IS 2645 in recommended proportions including rounding off junction of vertical and horizontal surface. (ii) IInd course of 20 mm cement plaster 1:3 (1 cement : 3 coarse sand) mixed with water proofing compound in recommended proportion including rounding off junction of vertical and horizontal surface. (iii) IIIrd course of applying blown or residual bitumen applied hot at 1.7 kg. per sqm of area. (iv) IVth course of 400 micron thick PVC sheet. (Overlaps at joints of PVC sheet should be 100 mm wide and pasted to each other with bitumen @ 1.7 kg/sqm).	SQM	33.14		
H	WATER SUPPLY & INSTALLATION				
H.1	Providing and placing on terrace (at all floor levels) polyethylene water storage tank ISI : 12701 marked with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank	per litre	5000		
H.2	P & F Precast Underground Water Storage Tank with R.C.C. cover 25mm thick and 15 Cm. Long G.I. over-flow pipe including making connections etc. & hoisting upto 1M. ht. From ground level having: (as per drawing)				
	8000 litres water capacity	per litre	8000.00		
I	FLOORING				
	Providing and laying 1st quality double charge vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% confirming to IS : 13753 and IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including grouting the joints with white cement and matching pigments etc., complete. Size: 600mm x 600mm	SQM	624.75		
J	STONE MASONARY				
	Providing & fixing Random Rubble stone masonry with hard stone in foundation and plinth in Cement Sand mortar above 30 CM thick wall in:				
	Cement Mortar 1:6 (1-Cement : 6-Sand).	CUM	116.24		

K	ROOFING				
K.1	<p>Providing and laying water proofing treatment on roofs of slabs by applying cement slurry mixed with water proofing cement compound consisting of applying :</p> <p>a) after surface preparation, first layer of slurry of cement @ 0.488 kg/sqm mixed with water proffing cement compound @ 0.253 kg/sqm.</p> <p>b) laying second layer of Fiber glass cloth when the first layer is still green . Overlaps of joints of fiber cloth should not be less than 10 cm .</p> <p>c) Third layer of 1.5 mm thickness consisting of slurry of cement @ 1.289 kg/sqm mixed with water proffing cement compound @ 0.670 kg/sqm and coarse sand @ 1.289 kg/sqm. This will be allowed to air cure for 4 hours followed by water curing for 48 hours. The entire treatment will be taken upto 30cm on parapet wall and tucked into groove in parapet all around</p> <p>d) fourth and final layer of brick tiling 'with cement mortar or any other approved protective coarse. (which will be paid for separately) For the purpose of measurement the entire treated surface will be measured</p>	SQM	452.89		
	Note: Performace guarentee for 5 years to be provided by the contractor for which a BG or Fixed deposit will be held by the Bank/SBIIMS.				
K.2	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry, making of lines or groove etc complete but excluding the cost of nosing of steps etc. complete. 40mm thick with 20mm thick nominal size aggregate	SQM	452.89		
L	FINISHING				
L.1	Plaster on new surface on walls in cement sand mortar 1:6 including racking of joint etc. complete fine finish :				
	1. External walls(20 mm thick)	SQM	971.70		
	2. Internal walls(12 mm thick)	SQM	506.22		
	3. 6 mm thick cement plaster to ceiling of mix 1:3 (1cement : 3-fine sand)	SQM	516.74		
L.2	Painting exterior surface of Wall with 100% acrylic exterior paint of approved brand and manufacture to give an even shade with two or more coats including preparation of base with sand papering, primer, putty, etc complete in all respect.	SQM	971.70		
L.3	Providing and applying white cement based putty over plastered surface to prepare the surface even and smooth complete	SQM	1,475.00		
L.4	Two or more coats applied @ 1.25 ltr/10 sqm. over and including one coat of Special primer applied @ 0.75 ltr / 10 sqm.	SQM	1,475.00		
M	PLUMBING AND SANITARY FIXTURES				
M.1	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS 13983 with C.I. brackets and stainless steel plug 40 mm including painting of fittings and brackets, cutting and making good the walls wherever required :				
	Kitchen sink with drain board				
a	510x1040 mm bowl depth 200mm.(Base Rate6000/-)	Each	1		
b	510x750 mm bowl depth 200mm.(base rate 4000/-)	Each	1		
M.2	Providing and fixing white vitreous china extended wall mounting water closet of size 780x370x690 mm of approved shape including providing & fixing white vitreous china cistern with dual flush fitting, of flushing capacity 3 litre/6 litre (adjustable to 4 litre/8 litres), including seat cover, and cistern fittings, nuts, bolts and gasket etc complete. (Base rate 8000/-)	Each	5		

M.3	Providing and fixing of wall mounted bath cum shower mixer fitting with diverter lever and bend for overhead shower connection including making connections with water supply, cutting and making good the walls wherever required. (or equal approved). NOTE: Fitting shall meet Green Building/ GRIHA certification requirement for flow.				
	Make: Jaquar or Equivalent				
	Model: CON 273KNUPRGA	Each	2		
M.4	Providing and fixing 32 mm C.P. cast brass bottle trap with unions, complete including cutting and making good the walls and floors, all complete				
	a) Make : Jaquar or Equivalent	Each	5		
M.5	Providing and fixing of 15 mm dia brass angle valve (inlet fitting ball valve type) having strainer screen complete with wall flange of following make and model:(or equal approved)'Colour/Finish : Chrome				
	One way	Each	27		
	Two way	Each	5		
M.6	Providing and fixing of 15 mm dia, 450 mm long flexible connection pipe having EPDM rubber internal core and stainless steel braided outer sheath complete with C.P brass end nuts, of approved make.	Each	32		
M.7	Providing and fixing C.P brass ablution faucet (health faucet) comprising hand held shower with operating lever, 1 m long flexible tube and wall hook all complete. NOTE: Faucet shall meet Green Building/ GRIHA certification requirement for flow.				
	Make : Jaquar or Equivalent				
	Model : Continental				
	Cat. No. : 573 GA				
	Colour/Finish : Chrome	Each	5		
M.8	Providing and fixing vitreous china wash basin and special C.I brackets, including C.P. brass waste of standard pattern, complete including cutting and making good the walls and floors, wherever required of the following make and type: (or equal approved)				
	Make : Hindware / Cera or Equivalent				
	Model : Constellation				
	Cat. No. : 10098				
	Colour : White	Each	2		
M.9	Providing and fixing of 15 mm dia C.P wash basin mixer with wall flange,of following make. (or equal approved). NOTE: Mixer shall meet Green Building/ GRIHA certification requirement for flow.				
	Make: Jaquar or Equivalent				
	Model: CON-167KNBGA	Each	3		
M.10	Providing and fixing of 15 mm dia. C.P. brass wall-mounted Kitchen sink mixer with swivel spout and wall flange of following make.(or equal approved). NOTE: Mixer shall meet Green Building/ GRIHA certification requirement for flow.				
	Make : Jaquar or Equivalent				
	Model : Continental				
	Cat. No. : 319KNGA				
	Colour/Finish : Chrome	Each	2		
M.11	Providing and fixing white vitreous china water closet squatting pan (Indian Type				

	Orissa pattern WC pan of size 580 X440mm				
		Each	1		
M.12	Providing and fixing white vitreous china battery based infrared sensor operated urinal of approx. size 610 x 390 x 370 mm having pre & post flushing with water (250 ml & 500 ml consumption), having water inlet from back side, including fixing to wall with suitable brackets all as per manufacturers specification and direction of Engineer-in-charge.(base Rate 12000/-)	Each	2		
M.13	Providing and fixing of spring loaded self closing type 15 mm dia C.P brass pillar cock with wall flange,of following make. (or equal approved). NOTE: Pillar Cock shall meet Green Building/ GRIHA certification requirement for flow.				
	Make : Jaquar or Equivalent				
	Model : PRS-031GA	Each	5		
M.14	P & F Looking Mirrors with stainless steel clamps of approved (Atul, Modi Guard , Saint Gobin or equivalent)				
	Size 500x400mm	Each	5		
M.15	P & F Towel Rail or Ring of approved quality/make: C.P. brass Towel Rail elbow type with concealed screws size 450mm (Heavy duty).	Each	2		
M.16	P & F Bath Shower of approved quality/make.				
	C.P. brass of Heavy & superior quality 150mm.	Each	2		
M.17	P & F Bib Cock (IS : 8931 Mark), Superior quality of approved make: C.P. Brass bib cock,15mm nominal bore.	Each	10		
M.18	P & F Full-way Valve (IS:778 Mark) or wheel valve of approved make :				
A	Gun-metal 25 mm nominal bore.	Each	8		
B	Gun-metal 40 mm nominal bore.	Each	4		
M.19	P & F Gun-metal Non-return Valve or Check Valve (IS :Make) of approved make, superior quality: 40mm nominal bore.				
	Vertical	Each	2		
M.20	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.				
	Flexible pipe				
	40 mm dia	Each	4		
M.21	Providing, fixing and commissioning remotely operated pneumatic dual flush WC Flushing Cistern with Flushing Actuator Plate (of approved finish), cutting and making good the walls including making connection with WC Pan, all as per the Manufacturer's specifications, of the following make and type:(or equal approved)				
	For WC	Each	5		
M.22	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931.				
	15 mm nominal bore	Each	5		
M.23	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge.				
	Internal work - Exposed on wall				

a	15 mm nominal outer dia .Pipes.	RM	10		
b	25 mm nominal outer dia .Pipes.	RM	12		
c	40 mm nominal outer dia .Pipes.	RM	15		
M.24	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clampsat 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge.				
	Concealed work including cutting chases and making good the walls etc.,				
a	15 mm nominal outer dia .Pipes.	RM	50		
b	25 mm nominal outer dia .Pipes.	RM	15		
M.25	Providing Laying & jointing glazed S.W. pipes grade `A` (IS:651 marked) of approved make with spun yarn & stiff mixture of cement mortar 1:1, excavation & refilling of earth in all types of soil upto 1.2m depth, S.W. fittings, including testing of joints etc, complete.				
	150mm dia	RM	80		
M.26	Providing & Laying C.C. 1:5:10 (Stone aggregate 40mm nominal size) all around S.W. pipe including 15 Cm. thick bed concrete (Width W= Diameter of pipe in Cm+30 Cm.)(Excluding cost of pipe)				
	150mm dia S.W. pipe	RM	80		
M.27	Providing and Fixing Unplasticized Poly Vinyl Chloride (UPVC) SWR Pipes Type B for soil & waste discharge system (IS:13592 : 1992 Marked) of approved quality /make				
	110 mm dia	RM	25		
M.28	Providing and Fixing Unplasticized Poly Vinyl Chloride (UPVC) SWR Pipes fittings type B for sciland waste discharge system (IS:13592 : 1992 Marked) of approved quality /make				
a	Coupler				
	110mm dia	Each	5		
b	Bend 87.5 Dg.				
	110mm dia	Each	3		
c	Bend 45 Dg.				
	110mm dia	Each	5		
d	Door Bend 87.5 Dg.				
	110mm dia	Each	5		
e	Single 'Y'				
	110mm dia	Each	2		
f	Socket Plug				
	110mm dia	Each	12		
g	Pipe Clip				
	110mm dia	Each	25		
h	W.C. Connector				
	110mm dia	Each	6		
i	Multi floor trap				
	110mm dia	Each	12		
j	Offset				
	110mm dia	Each	10		
k	Extra Square Jali				
	110mm dia	Each	6		
l	Extra Round Jali				
	110mm dia	Each	6		
m	Extra 4 SWR Ring				
	110mm dia	Each	10		
n	Nahni Trap with Jali 4"				

	110mm dia	Each	6		
o	Vent Cowel				
	110mm dia	Each	8		
M.29	Providing and fixing square-mouth S.W. gully trap grade 'A' complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design :				
	150 x 100 mm size P type.				
	With bricks class designation 75	Each	6		
M.30	Construction of Manhole in all types of soil inner size 90 x 60 Cm thick masonry in CM 1 : 6, 10 cm. thick cement concrete 1 : 5 : 10 in foundation, 20 mm thick inside plaster in CM 1 : 6, finished with floating neat cement, 50 mm thick M-15 grade C.C. flooring, making channels, 80 mm. thick stone slab covering with 40 mm thick M-15 grade C. C. flooring, 25 Kg. CI cover with frame of 450 mm dia earthwork etc. complete as per design including disposal of surplus earth within 50 Mtr. Lead.				
	Depth upto 0.5 M	Each	4		
M.31	Construction of Man hole, in all types of soil, inner size 1.5 x 1.2 M, with 450mm thick masonry in CM 1:6, 10 Cm. thick cement concrete 1:5:10 in foundation, 20mm thick inside plaster in CM 1:6, finished with floating neat cement, 50 mm thick M-15 grade C.C. flooring making channels, 80 mm thick stone slab covering with 40 mm thick M-15 grade C.C. flooring, Ferro Cement cover with frame of 450mm dia, earthwork etc. complete including disposal of surplus earth within 50 mtr. lead as per design :				
	Depth up to 1.5 M	Each	1		
M.32	Construction of Soakage well in all types of soil 300mm thick dry stone masonry, top and bottom 300 mm course in CM 1 : 6, 80 mm thick stone slab, jointing of slab in CM 1 : 3, Ralthal, Kharanja, 40 mm thick M-15 grade C.C. flooring earthwork complete as per approved drawing including disposal of earth within a lead of 50 Mtr.				
	Size 240 cm dia outside & 240 cm depth	Each	1		
M.33	Construction of Septic Tank in all types of soil with 40 Cm. thick masonry in CM 1 : 6, 15 Cm. thick C.C. bed of 1 : 5 : 10, M-15 grade C.C. flooring & over stone slab covering, 80 mm thick slab, jointing of slab in CM 1 : 3 Ralthal, Kharanja, 50 mm thick stone partition walls, 20 mm thick plaster in CM 1 : 6 finished with neat floating cement, 4 Nos C.I. foot rests of approved design, two No. 450 mm dia 25 Kg. of each C.I. cover with frame, earth work etc. complete as per approved drawing including disposal of surplus earth within a lead of 50 Mtr.				
	Size 400 x 140 x 150 cm (for 50 users)	Each	1		
M.34	Construction of Open Surface Drain with 112mm thick brick masonry in CM 1:4, 110mm thick base concrete 1:5:10, 37mm thick M-15 grade C.C. flooring, 12mm 1:4 cement plaster on all exposed faces of walls including top surface excavation & disposal of earth complete as per approved design/drawing:				
	250mm drain, 300mm Av. depth	RM	30		
M.35	Constructing brick masonry road gully chamber 50x45x60 cm with bricks of class designation 75 in cement mortar 1:4 (1 cement : 4 coarse sand) including 500x450 mm precast R.C.C. horizontal grating with frame complete as per standard design :				
	With bricks	Each	6		

N	Point Wiring				
N.1	LIGHT & FAN POINTS:				
(a)	P & F light/ fan/ call bell points/ sockets etc. with 2x1.5 sq.mm pvc insulated FRLS 1100 v grade copper conductor wires and 1.0 sq.mm earth wire in concealed/ surface using 16 swg MS 20mm/25mm/32mm dia conduits, accessories such as bends, tees, saddles, draw boxes, mounting boxes, inner plates, cover plates, switches, sockets, ceiling rose etc. (wherever required) and plugs etc. The circuit wiring starting from DB to point control box/ switch box using 2x2.5 sqmm & 1x1.5 sqmm earthing pvc insulated wiring with colour code to be provided. Identification ferrules at both ends to be provided and colour coding to be maintained. Make: Jindal AKG				
	Notes:				
	Each circuit shall have independent earth wire.				
	Each point shall be earthed.				
	Circuit wiring to be included in the point wiring rates				
(i)	One Point controlled by One Switch	Nos.	100		
N.2	EARTHING: As per IS 3043(certificate to be submitted)				
(a)	Earthing with Chemical GEL EARTHING including accessories embodying by digging below the ground level and refilling of earth and providing masonry enclosure with cover plate compl. and drawing of earth strip as per the design requirements from the earth pit to the designated place complete as instructed.				
(i)	T-39	Nos.	2		
(ii)	T-19	Nos.	2		
(b)	P & L 2x8 SWg copper earth wire	Rmts	75		
c)	Supplying and fixing 25X3 mm GI strip insulated by heat pressurised heavy gauge PVC sleeve duly jointed by full lap brazing and drawn underground in 40mm class B GI pipe from the inspection pit to the inside of branch, connection to both end of electric panel	Rmts	65		
N.3	DISTRIBUTION BOARDS WITH FRONT COVER				
	P/ F sheet metal distribution boards of approved make Double door and 'making 'necessary connections etc. complete. All MCB/ RCCB shall be C Series 10 KA				
a)	TPN 4 way - For AC				
i)	Having Incomer - 100 Amp 4 P - MCCB, 25 KA				
	Outgoings - 3 No SP MCB - C Series 40 Amp, 9 Nos 32 A	Nos.	2		
b)	TPN 4 way - For Light				
	Having Incomer - 40 Amp 4 P - MCCB, 25KA				
	Outgoings - 12 No SP MCB - C Series 10 Amp-20 Amp	Nos.	1		
N.4	CABLES:				
	P & F heavy duty armoured XLPE cable in conduit pipe internally and GI pipe externally with all bends, junctions etc. on saddles wherever exposed and crimping the relevant connection ends complete as per approved section and make				
a)	3.5 core 95 sqmm aluminium armoured XLPE Cable	Rmts	75		
N.5	PANEL: CPRI Approved				
	P & F cubical type Main Panels of 16 SWG CRCA Sheet Steel C type base MS Channel for grouting on the floor complete with MCCBs, MCBs, meters, CT etc. complete in all respect, insulated Bus Bar with heat shrinkable PVC Sleeve in suitable Bus Bar Chamber wiring, name plates, danger plate, earth bus etc and comprising of compartments with hinged doors and rubber gasket, bus bar chamber with bolted door and rubber gasket etc. The panel being of dust and vermin proof construction to be painted with primer and smoke grey paint minimum 2 coats to look attractive. Each outgoing feeder shall have a seperate compartment. The panel should be comprising with the followings				
(i)	Incomer 200 A MCCB-4 P-45 KA				
	300 Amp Aluminium Bus Bar. Digital Ammeter and Voltmeter with SS.				
	Change over 150 A Onload - 4P				

	Outgoings				
	100 A MCCB 4 P- 6 Nos. 35 KA				
	125 A MCCB - 4 P- 4 Nos 35 KA				
	4PMCB 63 A - 3 Nos.				
	DPMCB 20 Amp. - 3 Nos.	Nos.	1		
N.6	Supply and installation of sepearte 40 KVAR APFC panel, floor/wall mounted front operated totally enclosed vermin proof, indoor non-drawout cubicle type power panel fabricated out of 2mm thk CRCA sheet having gasketed hinged cover on each cubicle fully powder coated with following accessories. Make: Neptune/Schneider/ EPCOS				
	1No.125A,TP, MCCB as incomer				
	Having contactors Three Phase as per requirement				
	1no. 10 KVAR & 2no.5 KVAR , 2nos- 7.5 KVAR, 1nos 3 KVAR capacitor, 1nos 2 KVAR, 1 nos 1KVAR capacitor				
	10 - 32 TPN MCB - 7 Nos				
	Suitable bus bar for connecting the contactors and MCB's, Capacitors				
	1 no. 8 step 3 phase APFC relay suitable for above arrangement				
	ON/OFF/TRIP push button for each capacitor				
	ON/OFF/TRIP indication lamp for each capacitor				
	1 Set, RYB, indicating lamps with resistors and fuses for incomer.	Nos.	1		
N.7	Exterior Lighting				
a)	50W Waterproof IP 66 LED Street Light Road Outdoor Industrial White. Make: Phillips	Nos.	18		
b)	4 core 16 sq mm Copper armoured cable	Rmts	160		
O	Elevation				
O.1	Supply and fixing MS work bolted or welded in built up sections made from 2x1" square bars, trusses & framed work, including cutting, hoisting, fixing in position and applying a priming coat of red oxide and approved steel primer all complete:	Kg.	600		
O.2	Providing and laying M20 RCC (1 Cement :1½ Coarse Sand: 3 Graded Stone Aggregate 20mm)	CUM	1.38		
O.3	Providing and laying Brick work with bricks of class designation 75 in Cement mortar 1:4 (1 cement : 4 coarse sand) Including Scaffolding	CUM	2.94		
O.4	Providing and fixing alluminium frame with 10 mm thk.toughned glass including required hardware and cutting of holes etc.	SQM	24		
O.5	Providing and fixing Kajaria eternity 15x60 clove walnut planks (wood finish) for exterior cladding	SQM	26.25		
O.6	Miscellaneous and Floor tile in exterior	Sq.Ft.	180		
Q	Tile & Stone Work				
Q.1.a	Providing and fixing 1st quality MAT finished ceramic tile size 300x300mm confirming to IS : 13755 and IS : 15622 colour such as white, grey, ivory, fume red brown, light green, light blue and other light shades in floors, steps, pillars etc. laid on a bed of neat cement slurry finished with flush pointing in the white cement mixed with pigment to match the shade of the tile complete (including the cost of cement mortar bed 1:4).	SQM	14.45		
b	Providing and fixing 1st quality standard white, grey, ivory, fume red brown, light green, light blue and other light shades glazed tiles confirming to IS : 13753 & IS :15622 of size 450mm x 300mm in walls, floors, steps, pillars etc. laid on a bed of neat cement slurry finished with flush pointing in the white cement mixed with pigment to match the shade of the tile complete (excluding the cost of cement plaster on walls and pillar).	SQM	82.46		

Q.2	Providing and fixing Granite stone slab mirror polished and machine edge cut for Kitchen Counter in Shelves, Sills Counters Staircase steps and landing etc. laid on 12mm (Av.) thick base of cement mortar 1:3 (1 cement : 3 coarse sand) jointing with white cement mortar 1:2 (1white cement : 2 marble dust) with pigment to match the shade of the marble slab including grinding, rubbing and polishing complete. Including edge moulding as directed by engineer incharge.				
	Green/Black (Up to 1500 Cm2 Tiles)	SQM	40		
R	ALUMINIUM WORK				
	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing /panelling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing and panelling to be paid for separately) :				
R.1	For fixed portion.				
R.1.1	Powder coated aluminium (minimum thickness of powder coating 50 micron)	Kg.	450		
R.2	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of PVC / neoprene gasket required (Fittings shall be paid for separately).				
R.2.1	Powder coated aluminium (minimum thickness of powder coating 50 micron)	Kg.	432		
R.3	Providing and fixing 12mm thick Pre-laminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminium doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge.				
R.3.1	Pre-laminated particle board with decorative lamination on one side and balancing lamination on other side.	SQM.	63.94		
R.4	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with PVC/ neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-incharge. (Cost of aluminium snap beading shall be paid in basic item) :				
R.4.1	With float glass panes of 5.50 mm thickness	SQM.	60		
R.5	Providing and fixing double action hydraulic floor spring of approved brand and manufacture IS : 6315 marked, for doors including cost of cutting floors as required, embedding in floors and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate etc. complete as per the direction of Engineer-in-charge.				
R.5.1	With stainless steel cover plate	Each	3		
R.6	work by providing weather silicon sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge complete.				
R.6.1	Upto 5mm depth and 5 mm width	Meter	220		
R.7	Providing fixing aluminium round shape handle of outer dia 100mm with SS screws etc. Complete as per direction of Engineer-in-charge				
R.7.1	Powder coated minimum thickness 50 micron aluminium	Each	34		
R.8	Providing and fixing 100mm brass locks (best make of approved quality) for aluminium doors including necessary cutting and making good etc. complete.	Each	17		
	Make: Jindal or Equivalent				

R.9	Providing and fixing expanded grill made of MS as per design and drawing having members section of size 12mm x 12mm and opening of size 76mm x 76mm to aluminum window/vent with required screws, Y and H aluminium sec (as per drawing) at the ends and middle joints respectively complete in all respect as per direction of engineer in charge.	Kg.	800		

S	Steel Work				
S.1	Supply and fixing in cement mortar welded hand railing made out of SS round or square bars, flats etc. for staircase or verandah as per design complete in all respect (wooden or PVC hand railing to be paid extra) with priming coat of red oxide.	Kg	750		
S.2	Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2 mm and braced with flat iron diagonals 20x5 mm size, with top and bottom rail of T-iron 40x40x6 mm, with 40 mm dia steel pulleys, complete with bolts, nuts, locking arrangement, stoppers, handles, including applying a priming coat of approved steel primer.	SQM	10.75		
S.3	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths interlocked together through their entire length and jointed together at the end by end locks mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete including the cost of providing and fixing necessary 27.5cm long wire springs grade No.2 and M.S. top cover of required thickness for rolling shutters.				
	80x1.25 mm M.S. laths with 1.25 mm thick top cover	SQM	20.25		
	Providing and fixing ball bearing for rolling shutters.	Each	2		
T	COMPUND GATE				
	square bars, flats, or black pipe with holdfast and fittings complete as per design and drawing including cutting welding and fabrication with priming coat of red oxide	Kg	1090		
P	Demolition & Breakage				
P.1	LESS BUY BACK OF THE DEMOLISHED MATERIAL, I.E. BRICKS, CHOKHETS, GRILLS, REINFORCEMENT, DOORS, WINDOWS, SANITARY PLUMBING PIPES/ FITTINGS ETC., AS DIRECTED. (minimum value Rs.1,00,000)			Minimum Rs.1,00,000	
	Demolishing the existing building, complete, including foundations, staking the serviceable material and disposal of the unserviceable materials, to the nearest municipal disposal ground / or as directed, including all lifts and leads, complete. The rate to be including the deduction for the buy back, of the unuseable material as bricks/ cement / reinforcement / wooden partitions / old wiring / cabling / switches / partitions/ plumbing/ drainage pipes etc. (approx area Quantity 225.16 SQM)	LS	-1		
	Demolishing existing RWH tank cover height to ground level (approx area Quantity 75.36 SQM)				
	Total				