

BILL OF QUANTITY

DATE:

BOQ FOR PHASE -1 CIVIL, FURNISHING AND ELECTRICAL AND ALLIED WORK OF FOR STRUCTURE AND TERRACE WORK AT RIGHT SIDE OF BUILDING FOR REPAIR AND RENOVATION WORK OF OFFICE PREMISES AT UCO BANK SAKET BRANCH .

S.NO	ITEM DESCRIPTION	UNIT	QTY.	RATES	AMOUNT
A	DISMANTLING WORK				
1	Dismantling brick/ concrete flooring & including dismantling door and window frames, i/c hold fasts, stacking at site, repairs of damaged walls with cement mortar/ plaster, stacking useful bricks/ bats, plants and tree etc. complete in all respects. Rates include supporting RCC slab with scaffolding, ballies etc, if required, during making door opening or removing wall; dismantling sanitary/ plumbing fixtures & stacking the same.Dismantling / Demolishing of exist jaal and wooden partition, removing strong room exist fixed door by hiltng machine properlyl and excavation of floor upto 300mm deep, including stacking the usable material within premises as directed and carting away the debris to dumping ground complete as per instructions at site (Labour & Transportation will be arranged by the Contractor).	LSM	1.00		
2	Dismantling doors, windows and clerestory windows (steel / aluminium or wood) shuttle including chowkhats, architrave, holdfasts etc. complete and stacking of serviceable and unserviceable material seperately on ground floor within the premises as per directions of Engineer-in-charge.	Each	2		
3	Dismantling false ceiling either metal or gypsum on all floors, including removing and stacking of serviceable and unserviceable material separately on ground floor within the premises as per directions of Engineer-in-charge.	Sqm	20		
4	Dismantling C.I. or asbestos rain water/ all vertical pipes in shaft and C.I. pipes 150mm to 300mm including excavation and refilling trenches after taking out the pipes, manually / by mechanical means breaking lead caulked joints, melting of lead and making into blocksor on wall with fittings and clamps including stacking of serviceable and unserviceable materials seperately on ground floor within the premises as per directions of Engineer-in-charges.	LSM	1		
5	Removing/chisel old plaster or skirting of any thickness raking out joints and clearing the surface for plaster on all floor including stacking of unserviceable material on ground floor within the premises as per directions of Engineer-in-charge	Sqm	50		
6	Demolishing R.C.C. work by mechanical means including cutting reinforcement bars and stacking of serviceable and unserviceable materials separately on ground floor with the premises as per direction of Engineer-in- charge .	Cum	1		
7	Demolishing cement concrete/removing existing filling in the sunken area manually/ by mechanical means ncluding disposal of material within 50 metres lead as per direction of Engineer - in - charge.	Cum	1		
8	Dismantling tile/Stone/Cementatious floring work in floors/wall of any thickness with cement mortar including stacking at ground floor & disposal of unserviceable material as per direction of Engineer-in-charge.	Sqm	10		
9	Disposal of building rubbish/ malba/ similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, to any distance beyond municipal limits as per MCD/NDMC norms and lifting from all floors & leads as required. No additional claim will be accepted at any cost.	JOB	1		
TOTAL OF DISMANTLING WORK (A)					
B	CIVIL WORK				
1	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq.meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge. With cement mortar 1:4 (1cement: 4 coarse sand)	Sqm	100		
2	Providing and fixing double scaffolding system (cup lock type) on the exterior side, up to seven story height made with 40 mm dia M.S. tube 1.5 m centre to centre, horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube challies, M.S. clamps and M.S. staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for the required duration as approved and removing it there after .The scaffolding system shall be stiffened with bracings, runners, connection with the building etc wherever required for inspection of work at required locations with essential safety features for the workmen etc. complete as per directions and approval of Engineerin- charge .The elevational area of the scaffolding shall be measured for payment purpose .The payment will be made once irrespective of duration of scaffolding.	Sqm	400		

3	Repair to plaster of thickness 12mm to 20 mm in patches of area 2.5sqm and under, including cutting the patch in proper shape, raking out joints and preparing plastering the wall surface with white cement based polymer modified self curing mortar, including disposal of rubbish, all complete as per the direction of Engineer-In-Charge.	Sqm	50		
4	Cleaning of terrace/loft water storage tank (inside surface area) upto 2000 litre capacity at all heights with coconut brushes, duster etc., removal of silt, rubbish from the tank and cleaning the tank with fresh water disinfecting with bleaching powder @ 0.5gm per litre capacity of tank including marking the date of cleaning on the side of tank body with the help of stencil and paint and disposing of malba all complete as per direction of Engineer-in-Charge. (The old date already written on tank should be removed with paint remover or black paint and if date is not written with the stencil or old date is not removed deduction will be made @ Rs. 0.10 per litre) (if during cleaning any GI fittings or ball cock is damaged that is to be repaired by contractor at his own cost and nothing extra will be paid on this account)	LTR	5000		
	Cleaning and desilting of gully trap chamber, including removal of rubbish mixed with earth etc. and disposal of same, all as per the direction of Engineer-in-charge.	Each	12		
	Cleaning of choked sewer line by diesel running vehicle mounting hydraulic operated high pressure suction cum jetting sewer cleaning machine fitted with pump having 4000 litres suction capacity and 6000 litres water jetting tank capacity including skilled operator, supervising engineer etc. for cleaning and partial desilting of manholes and dechocking of sewer lines. Dechocking and flushing of sewer line from one manhole to another by high pressure jetting system of 2200 PSI for sewer line from 150mm dia upto 300mm	RMT	80		
	Disconnecting damaged overhead/terrace PVC water storage tank of any size from water supply line and removing from the terrace including shifting at ground level as per direction of Engineer-in-charge.	Each	6		
	Cutting holes of required size in brick masonry wall for fixing of exhaust fan including providing and fixing 300 mm dia PVC pipe conforming BIS-12818 and making good the same etc. complete as per direction of Engineer-in-charge.	Each	18		
	Providing and laying in situ seven course water proofing treatment with APP (Atactic Polypropylene) modified Polymeric memberane over roof consisting of first coat of bitumen primer @ 0.40 litre per sqm, 2nd, 4th & 6th courses of bonding material @ 1.20 kg/sqm, which shall consist of blown type bitumen of grade 85/25 conforming to IS : 702, 3rd and 5th layers of roofing membrane APP modified Polymeric membrane 2.0 mm thick of 3.00 Kg/sqm weight consisting of five layers prefabricated with centre core as 100 micron HMHDPE film sandwiched on both sides with polymeric mix and the polymeric mix is protected on both side with 20 micron HMHDPE film. 7th, the top most layer shall be finished with brick tiles of class designation 10 grouted with cement mortar 1:3 (1 cement : 3 fine sand) mixed with 2% integral water proofing compound by weight of cement over a 12 mm layer of cement mortar 1:3 (1 cement : 3 fine sand) and finished neat (item of laying brick tiles shall be paid for separately).	Sqm	175		
1	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 Sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50m or as per direction of Engineer-in-charge to any distance.	Cum	4		
1.1	Extra for every additional lift of 1.5 m or part thereof in excavation / banking excavated or stacked materials for all kind of soils.	Cum	4		
2	Rust Remover Reinforcement shall be cleaned thoroughly, first with hammering, wire brushing, emery paper and lastly with Acetone from the reinforcing bars to give it a total rust free steel surface by using applying Rusticide Rustprime / Ruskill A /alkaline chemical rust remover Sika Rustoff 100 make Sika with paint brush and removing loose particles after 24 hours of its application with wire brush and thoroughly washing with water and allowing it to dry, all complete as per direction of Engineer-In-Charge.				
2.1	Bars upto 12 mm diameter	Rmt	600		
2.2	Bars above 12 mm diameter	Rmt	400		

3	<p>Bonding Coat RCC Surface Providing, mixing and applying two passivating coats of "POLYALK FIXOPRIME" / Sikadur 32 LP make SIKA or equivalent and cement slurry mix in the proportion 1:1.25 by weight to the chemically de-rusted surface of reinforcement at an interval of 24 hrs and brushable consistency for bonding old chipped portion of RCC and new concrete surface, providing and applying bonding coat of POLYALK EP or equivalent and Cement (1:1.25) to the entire concrete surface as per direction of Engineer-In-charge complete in all respect.</p>	Sqm	50		
4	<p>Corrosion Protection Layer Providing, mixing and applying corrosion protection coat, In case where the diameter of the existing re-bars is reduced by more than 25% or in case of snapped of stirrups, links etc. provide new re-bars coated with "POLYALK FIXOPRIME" / SIKA Armatech 108 on reinforcement as per specifications and direction of Engineer-In-charge complete in all respect.</p>	Sqm	45		
5	<p>Drilling suitable holes in reinforced or plain cement concrete with power driven drill machine Bars upto 12 mm diameter to a minimum depth of 100mm upto 200mm in RCC beams, lintels, columns and slabs to introduce steel bars for sunshades/balconies including fixing the steel bars in position using HILTI RE-500 V3 bond chemical anchor grout but excluding the cost of reinforcement, all complete as per direction of Engineer-In-Charge.</p>	Each	75		
6	<p>Super Fluid Micro Concrete Providing and applying jacketing of minimum 100 mm thick around columns and beams at all heights and locations with free flow self levelling prepacked ready mix Microconcrete "Polycrete A" Dr. Fixit/SIKA or equivalent with water : power ration equal 0.1 to 1.12 for jacketing purposes with 12mm dia shear connectors (100mm long, extended 50mm outwards) drilled at 300mm c/c to columns, beam , chajjas, paradis , fins and other RCC members and bonding coat of Sunepoxy 358 or equivalent (2 resin : 1 hardner) on the existing concrete surface for bonding of old concrete surface & the proposed jacketing including labour, curing, scaffolding etc. but excluding shuttering, re-baring, bondcoat as per direction of Engineer-in-charge. The above concrete should provide a compressive strength of 30N/mm2 in 3 days & 50 N/mm2 in 28 days. Exposed plan area after jacketing shall be measured for payment purpose.</p>	Sqm	35		
7	<p>Ready Mix Concrete M30 grade Providing and Laying in position machine batched, machine mixed and machine vibrated design mix cement concrete of specified grade (RMC - M 30) for reinforced cement concrete work for footings, fins, beams, column, slabs etc. all levels, leads, shapes, sizes & quantities, including pumping / lifting of concrete to site of laying including scaffolding, staging, vibrating (needle vibrator), compacting, finishing, curing etc. complete but excluding P & L of Reinforcement and shuttering. The item also includes for adding plasticizer / SBR Cement slurry 1:1 {S.B.R (FOSROC or equivalent (as per IS 9103) : 1 Cement} of approved brand as required to achieve desired workability of the concrete, to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Str. /Engineer-in-charge.</p>	Cum	10		
8	<p>Shotcreting R.C.C. columns, beams and slabs etc. in layers with approved design mix concrete having the specified minimum characteristic compressive strength [with ordinary portland cement, coarse sand and graded stone aggregate of 10 mm maximum size in proportion as per design criteria] including the cost of centering and shuttering at edges and corners etc. as directed by Engineer in-Charge Rates shall include the providing necessary ground wires etc. The levelling gauges, if used, shall be paid for separately. Payment under this item shall be made only after proper wet curing has been done and surface has been satisfactorily evaluated by sounding/ tapping with a blunt metal instrument. 50mm thick in Grade M 25 with cement content not less than 330 kg per cum</p>	Sqm	50		

9	<p>Providing and apply polymer modified mortar/concrete, after ensuring dryness of the passivating coats and full surface preparation of exposed concrete, structural repairs shall be carried out in coats for maximum thickness upto 20mm per coat (applying bonding coat at every layer) upto profile of concrete in the vicinity by applying prepacked "POLYMER MODIFIED MORTAR" in the mix proportion as under :</p> <p>1 Kg of POLYALK EP or equivalent with 5Kgs by weight of cement 15Kg by weight of Graded Quartz and with addition of required quantity of water to get desired consistancy (Sand Grading IS383, Zone II, Silt content <6%)</p> <p>Quartz sand gradation as under: (8 X 16) 2mm to 1mm 8Kg (16 X 30) 1mm to 0.5mm 4Kg (30 X 80) 0.5mm to 0.15mm 3Kg</p> <p>After polymer modified mortar surface shall be left undisturbed for atmosphere curing for 48 hours.</p> <p>Note : If the depth of polymer modified mortar/concrete exceed 50mm depth, then quantity shall be paid by considering multiplication factor = Actual depth/50mm for additional thickness.</p>				
9.1	25mm average thickness	Sqm	20		
9.2	50mm average thickness in 3 layer	Sqm	50		
10	Supply and laying 18 mm thick cement plaster with adding SBR polymer Ultratech/SIKA/Dr. Fixit bonding agent and waterproofing liquid 2% of weight of cement in two coats under layer 12 mm thick cement plaster 1:5 (1 cement : 5 coarse sand) and a top layer 6 mm thick cement plaster 1:3 (1 cement : 3 coarse sand) finished rough with sponge.	Sqm	200		
11	<p>INJECTION GROUTING TO HONEY COMBED/ DAMAGED CONCRETE:-</p> <p>Open out the existing plaster finish and remove all loose, damage concrete by means of small chisel and light hammer. Ensure for the necessary propping required (if any) before removal of damaged areas. The damaged areas of concrete only shall be repaired. Remaining opened out areas shall be finished with plaster as per specifications and shall be paid separately. Drill the holes of 12mm diameter for depth upto 30mm to 50mm inside the damaged or honey combed concrete areas, at spacing as instructed by consultants.</p> <p>Clean the holes by blast of air or by jet of water. Insert the P.V.C. or aluminium nipples into predrilled holes and seal peripherally by "M- SEAL". After 24 hours , inject the approved make epoxy grout or polymer cementitious slurry mix in the proportion as under into the nipples, at a pressure of 2kg/cm² using gum pumps of capacity not less than 30 PSI.</p>	Kg	50		
12	Providing, Supplying & Fixing in position Fe500 TMT Steel Reinforcement bars (IS:1786) of all sizes & of approved make at all levels & places for all type of RCC work for footings, beams, columns, slabs, walls, lintels, pardi etc. including straightening, cutting, bending, making dowels, hooks, placing, tying in position using 16 SWG soft annealed steel wire, readymade cover blocks, spacers, chairs etc. complete. (Reinforcement including approved lap, chairs etc. but excluding binding wire, actually placed at site as per drawing & approved by architects only shall be measured for payment). The rate includes the cost of binding wire (JSW, TATA STEEL, JINDAL OR EQUIVALENT)	Kg	400		
13	Providing and fixing hard drawn steel wire fabric of size 75 x25 mm mesh or other suitable size wire mesh to be fixed & firmly anchored to the concrete surface by means of "L" shaped mild steel shear key welded with existing reinforcement including the cost of materials, labour, tool & plants as approved by Engineer-in-charge.	Sqm	10		
14	Carbon steel dash fastener Providing and fixing carbon steel galvanised (minimum coating 5 micron) dash fastener of 10 mm dia double threaded 6.8 grade(yield strength 480N/mm ²) counter sunk head, comparing of 10mm dia polyamide PA 6 grade sleeve including, drilling of hole in frame, concrete/ masonry, as per direction of Engineer -in-charge. 10X120mm. (fisher/hilti/Ucan) as requirement.	Each	5		
15	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer and finishing with 2 coats of enamel paint using structural steel etc. as required. In gratings, frames guard bar, ladder, railings brackets gates and similar work or as per direction of Engineer-in-charge.	Kg	800		

16	Providing and constructing brick masonry of any thickness for any shapes, fins, projections, in shafts using selected quality burnt clay FPS bricks of class designation 7.5 laid in cement mortar 1:6 (1 cement:6 coarse sand) mix, joints finished, flush/raked to 6mm depth including scaffolding, curing complete as per specification and drawing or as per the direction of Engineer-in-charge.	Cum	2		
17	Providing and constructing brick masonry of Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level for Cement mortar 1:4 (1 cement :4 coarse sand) or as per the direction of Engineer-in-charge.	Sqm	10		
18	Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry	Sqm	10		
19	Water proofing on Toilet and Pantry Providing & applying polymer modified, flexible cementitious negative side waterproofing coating with elastic water proofing polymers on sunken portions in three coats @14.35 kg /10 Sqm. one coat of self priming of cementitious waterproofing polymer (dilution with water in the ratio of 1:1) and two coats of cementitious water proofing polymer (dilution with water in the ratio of 3:1) after scrapping and properly cleaning the surface to remove pre-existing paint film & loose particles till plaster is visible, complete in all respect as per the direction of Engineer-in-charge.	Sqm	20		
20	Extra for covering top of membrane with Geotextile, 120 gsm non woven, 100% polyester of thickness 1 to 1.25 mm bonded to the membrane with intermittent touch by heating the membrane by Butane Torch as per manufactures recommendation	Sqm	10		
21	Laying protective screed of average 50mm thickness with cement concrete of 1:1.5:3 (1 Cement: 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size) with desired slope containing SBR polymer with a broom finish, well compacted, curing for 7 days etc. complete. The screed shall be laid in panels with 10mm wide construction joint as per specifications and directions of Engineer-in-charge. The pre-measurement of thickness shall be done just after the surface preparation is completed and Payment under this item shall be made only after proper wet curing has been done and surface has been satisfactorily evaluated by the 150mm size cube crushing strength at the end of 28 days to be not less than 20 N/Sqmm2).	Sqm	300		
26	Coloured Ceramic tiles (600 x 1200) mm in dado in Toilets /pantry P & L 1st quality medium light colored Ceramic tiles (satin finish) of 600x 600 mm size in dado . The job includes joint finishing, with the help of white cement & cement color, cleaning etc. complete. The shade, design, thickness and size of the tiles should be uniform. At all vertical or horizontal exposed right angled junctions the tiles should be fixed after chamfering the tiles to get the hairline joint at all right angles. Full pieces have to be fixed except where small pieces are necessary. Small pieces are to be avoided as far as possible. The job include wetting tiles for six hours and providing the base course plaster in C.M. 1:4 on brick walls to form good key for fixing tiles as per specification, cleaning etc. complete. The rate shall include of making the surface rough before putting plaster for perfect grip. Actual on site visible area will be considered for the measurement purpose. Entire work shall be executed in complete line & level. The entire work to be coordinated with the electrical work. It shall be laid in complete line & level. (Approved Make- Johnson, NITCO, Somany, Kajaria, Orient) (Basic Cost of tile- Rs. 40 / Sqft including GST)	Sqm	10		
27	P & L Ceramic tiles in Floor - 600 mm x 600 mm (Utility Areas) P & L plain, medium / dark colored plain / designed 1st quality Matt finished Ceramic tiles of 600 x 600 mm size & suggested make in floor with required thickness having 25 th. top layer in C.M. 1:6 as bedding material & below 25 mm th. upto required depth shall be filled with cinder concrete with PCC 1:2:4 as cushioning layer. & with proper gradient & drops as suggested. The job includes joint finishing, with the help of white cement & cement color, cleaning etc. complete. The shade, design, thickness & size of the tiles should be uniform. Full pieces have to be fixed except where small pieces are necessary. Small pieces are to be avoided as far as possible. The job include wetting tiles for six hours & roughing the base course to form good key for fixing tiles, cleaning etc. Complete. Actual on site visible area will be considered for the measurement. The job includes putting of bedding material as infill material required to fill the sunk / raised areas. It shall be laid in appropriate gradient (Approved Make- Johnson, NITCO, Somany, Kajaria, Orient) (Basic Cost of tile- Rs. 40 / Sqft including GST)	Sqm	7		

28	<p>P & L Vitrified tiles in Floor - 600 x 600 mm / double charged glossy finish P & L 1 st quality, plain colored vitrified tiles in flooring of size 600 x 600 mm, with water absorption less than 0.08% and conforming to IS : 15622, of approved make, in all colours and shades, including providing sufficient thickness (as / req. of the site) @ 60 mm c.m. 1:6 as bedding material. The job includes joint finishing with the help of white cement, cement color, with joint filler of approved make, cleaning etc. complete in all aspects. The shade, design, thickness and the size the tiles should be uniform. The tiles are to be fixed in suggested pattern, joined with suggested color cement slurry in joints. proper fixing level should be maintained. Full pieces have to be fixed except where small pieces are necessary. Small pieces are to be avoided as far as possible. The job includes fixing white tap on joints of the tiles, laying 3 mm thick floor bubble guard immediately after laying the tiles & removing the same after completion of entire work including all other agencies work. Actual on site laid quantity will be considered for the measurement purpose. Rate to include cutting the tiles for floor ducts and lids of electrical, computer and telephone wires in coordination with electrical contractor and cleaning the same, curing etc. complete in all aspects as specified and directed by the Engineer/Architect. (Approved Make- Johnson, NITCO, Somany, Kajaria, Orient) (Basic Cost of tile- Rs. 50 / Sqft including GST)</p>	Sqm	2		
29	<p>Granite : Providing and fixing in position first quality granite platform for washbasin in He and She toilet as per approval. Including wash basin area cutting, shall be fixed complete with wall with cement mortar (1:3) or adhesive compound material and filling complete including polishing & moulding as per direction of Engineer-in-charge.</p>	Sqm	3		
30	<p>SLIDING WINDOW : P & F two/three track anodizing aluminum sliding window with 5 mm thick clear glass. The outer frame should be heavy suitable size sections with tracks on all the sides & drain tray system for the bottom frame. The shutters should be of suitable for series - B (Shutter section - 18 mm) heavy (approx. 1.5 mm thick) sections for top & bottom member & for vertical with 5 mm. thk. Tinted reflective float glass & imported beading shall be used. Windows will have all req. Hardware such as Maruti locks cum handles, sliding system wool gasket etc. Silicon sealant shall be applied on external & internal sides of the windows. The entire window shall be finished in white or as per selection shade, anodizing aluminum. The windows will have necessary provision in case of window ac units with required additional member with wood in-filled.</p>	Sqm	2		
31	<p>Renewing or repairing windows by providing and fixing 5mm thick float glass panes with putty and nails wherever necessary including racking out the old putty and existing broken glasses as per directions of Engineer-in-charge.</p>	Sqm	2		
32	<p>Finishing walls with in design/ pattern Acrylic Smooth exterior paint of required shade : New work (Two or more coat applied @ 1.67 ltr/10 Sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 Sqm) including removal of splashes etc or as per direction of Engineer-in-charge. (Asian/ Nerolac/Berger).</p>	Sqm	250		
33	<p>Distemping with washable emulsion of approved brand and manufacture to give an even shade : New work (two or more coats) over and including water thinnable priming coat with cement primer or as per direction of Engineer-in-charge.(Asian/ Nerolac/Deluxe)</p>	Sqm	300		
34	<p>Finishing with Enamel paint for interiors and exteriors using Primer as per manufacturers specifications Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/ 10 sqm over an under coat of primer applied @ 0.80 ltr/ 10 sqm of approved brand and manufacture as per direction of Engineer-in-charge.(Asian/ Nerolac/Deluxe)</p>	Sqm	50		
35	<p>Providing and laying 60mm thick factory made cement concrete interlocking paver block of M-30 grade made by block making machine with strong vibration compacting of approved size, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with fine sand etc. all complete as per direction of Engineer-in charge.</p>	Sqm	2		

36	<p>Providing and laying machine cut chisel dressed 25mm thick kota stone slab flooring as per approved quality over 20mm average thick base laid over and joined with grey cement slurry @2.75kg of cement per Sqm of area to receive the mortar, providing neat cement slurry @4.4kg of cement/Sqm of area over the mortar bed, joining each slab with neat cement paste/grouting with white cement mixed with pigment to match the shade of the slab including rubbing, mirror polishing complete 20mm base in 1:4 cement mortar as per the specification as per direction of Engineer-in charge.</p>	Sqm	1		
37	<p>Surface Preparation: All loose and de-bonded concrete/ screed, loose particles, dirt & should be removed. Roof substrate must be pressure-washed with water with, a minimum working pressure of 1,400 psi is to be used to and/or remove all dirt, dust, chalking and waste products. Remove algae, mold by using bleach solution or biowash.</p> <p>Crack Repair: All visible hairline cracks on concrete roof screed more than 0.50 mm and not giving hollow sound, should be cut and widen in V shape with mechanical cutter in the size (10mm W x 6mm D). Apply a coat of Dr. Fixit Pidiprime A on the well-prepared groove; allow the coat to dry for 30 minutes before application of Dr. Fixit PU sealant / Feviseal Hybrid Sealant with suitable gun. Allow sealant to cure a minimum 72 hours.</p> <p>Screed Repair: Remove loose and damaged concrete roof screed in pockets with mechanical cutter. Clean the concrete screed with high pressure water jet to remove dirt and loose particles. Brush apply a bond coat of Dr. Fixit Pidicrete URP mix in the ratio of 1:1 (URP 1: Cement 1) by volume to make it lump free slurry when applied on in the pre wet surface. Laid to fall roof screed in correct slope and gradient. Mix Dr. Fixit Pidicrete URP 10% by weight of cement in (M20) concrete in ratio of 1:1.5:3 i.e., one bag of 50kg cements:1.5 times volume of sand: 3 times volume of aggregates: 25L water. Level the repair mortar and finish with trowel. Moist cure should be done for 7 days. Air cure screed for 7 days, before application of roof top coat coating system.</p>				
	<p>Rainwater outlets treatment: Hacking and chipping the surface around the rainwater drain outlet up to 25mm in depth. Apply bond coat of Dr. Fixit Pidicrete URP in the ratio of 1:1 (URP 1: Cement 1) by volume over the corners and pipe insert outlet gaps. Filling the gaps around drain mouth with (PMM) polymer modified mortar mixed with Dr. Fixit Pidicrete URP 10% by weight of cement in the ratio of 1:3. Providing & fixing 100 mm width 45gsm glass fiber mesh all around the periphery of drain mouth of rainwater outlet sandwiched with Dr. Fixit Roofseal Select. Apply the second coat of Dr. Fixit Roofseal Select with an interval of 5-6 hours all over the rainwater outlet.</p> <p>Vertical upstand: Providing 100mm x 100 mm Square / rectangle upstand of M20 grade concrete or with PMM around mechanical equipment like HVAC, air-conditioning, solar panels. Etc. Apply a self-priming coat of Dr. Fixit Roofseal Select and two coats reinforced with 45 Gsm glass fiber mesh without dilution in the interval of 4 -6 hrs. Apply Dr. Fixit PU sealant / Feviseal Hybrid Sealant around the junction of fabricated stand inserted and wall mounting mechanical fixtures.</p> <p>Waterproofing: Apply one coat of Dr. Fixit Primeseal primer dilute with water in the ratio 2:1 spreading at the rate of 8.0 - 10.0 / Sq.mt / Liter in the SSD condition. Apply 1st coat of Dr. Fixit Roofseal Select at the rate of 2 sq. mt. per liter. Laying a 45 Gsm glass fibre mesh of 2.5 mm x 2.5 mm sandwiched between the first and second coat. While the 1st coat is still wet. Allow the first coat to dry for 6-8 hours. Apply second coat of Dr. Fixit Roofseal Select with the same application coverage. Application direction of second coat should be perpendicular to that of the first coat. Allow second coat to dry for 6-8 hours. Apply third coat of Dr. Fixit Roofseal Select at an application direction that is perpendicular to that of the second coat with same application coverage rate. Check to see no void surface is left untreated / uncoated. Allow the system to air cure for 7 days minimum. A total thickness of 1 mm must be achieved when Dr. Fixit Roofseal Select is dry. The material having following technical properties: Attains a tensile strength of ≥ 1.20 N/mm² confirming to ASTM D 412; Elongation at break $\geq 100\%$ and Crack bridging ability up to 2 mm, with 7 years waterproofing warranty from M/S Pidilite Industries.</p>	SQMT.	10		
	For vertical surfaces and parapet walls should be enveloped & coated / painted with Dr. Fixit Raincoat Classic Waterproof coating system. Note – Coating should be terminated below the drip mould on the vertical surface				

38	Providing and applying plaster of paris putty of 2 mm thickness make (Birla / J.K.) over plastered and proper fill cracks and gaps, prepare the surface even and smooth complete. MAKE-Birla / JK / Asian paint	SQM	10		
TOTAL OF CIVIL WORK (A)					
C	PLUMBING WORKS				
1	Providing and fixing toilet paper holder : C.P. brass	No	1		
2	SOIL PIPES -Providing and fixing UPVC soil pipes confirming to IS:13592 on walls including fixing the joints with specialized jointing solutions and fixed with G.I. clamps embedded in cement concrete blocks 100X100X100 of 1:2:4(1cement :2 coarse san:4 stone aggregate) including cutting holes and making good the walls etc. items includes providing and fixing UPVC pipes special such as door bend, horn bend, plain bend, cowls, sockets, door "T", "Y" junctions (both singles and double etc. including fixing with cement jute admixture complete as directed (Finolex/ Supreme/ Prince).				
a	For 100mm pipes	Rmt	20		
b	For 75mm pipes	Rmt	10		
c	For 100mm pipes RAIN WATER PVC PIPE 6KG DENSITY	Rmt	100		
3	CPVP Pipe 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 the cost of cutting chases and making good the same including operating ball valve at each floor in every line including testing of joints complete as per direction of Engineer in Charge. (NOTE: concealed work including cutting chases and making good the walls etc.) as per direction of Engineer-in-charge. (Finolex/ Supreme/ Prince)				
a	20mm nominal outer dia pipes (concealed)	Rmt	15		
b	25mm nominal outer dia pipes	Rmt	15		
c	32mm nominal outer dia pipes	Rmt	0		
4	P/F S.S floor jali 5" complete as per direction of Engineer-in-charge.	No	2		
5	Providing and fixing FLOOR MOUNTED white vitreous china extended floor mounting water closet of size 370x670x720 mm, mm of approved shape including providing & fixing concealed flush fitting Jaquar (CNS-WHT-851S300SPP/851P180SPP), Roca, Kohler of flushing capacity 3 litre/6 litre including UF Soft Close Slim Seat Cover, Fixing Accessories and Cistern Fittings nuts, bolts and gasket etc complete including cutting and making good the walls and floors wherever required as per direction of Engineer-in-charge.	No	1		
5	Providing and Fixing Hand Shower (Health Faucet) with 8mm dia i/c 1.2 mtr. Long Flexable tube & wall Hock Make Jaguar Cat No. ALD-CHR-577, ROCA, KOHLER complete as per direction of Engineer-in-Charge.	No	1		
6	Providing and fixing White Vitreous China Table top wash basin of make Jaquar , Roca, Kohler of size 600x435x180	No	1		
7	Providing and fixing white vitreous china infrared sensor operated urinal of approx. size 355 x 340 x 535 mm make Jaquar Cat No. URS-WHT-13261 & SNR-STL-51083 etc. complete. 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.	No	0		
8	Providing and Fixing Pillar Cock Faucet for Wash Basin or Parryware / Hindware / Cera with 200mm extension body & base flange complete as per direction of Engineer in charge	No	1		
9	Providing and Fixing C.P. Brass Bib Cock with Wall Flange Make Jaguar Cat No. KUP-CHR-35037PM, Parryware / Hindware / Cera complete as per direction of Engineer-in- Charge. 15mm nominal bore	No	1		
10	Providing and Fixing C.P. Extension tap/piece of Jaguar /Parryware / Hindware / Cera or approved make/brand complete as per direction of Engineer-in- Charge. 15mm nominal bore	No	1		
11	Providing and Fixing C.P. cap of 62.5mm of Jaguar/ Parryware / Hindware / Cera or approved make/brand complete as per direction of Engineer-in-Charge.	No	2		
12	Providing and fixing mirror of superior glass with 3 coloyr light enlay pattern (of approved quality) having 8 mm thick and of required shape and size with necessary fiiting and coonnection with backing of 12mm thick commercial ply including priming coat on unexposed surface, with necessary fixing arrangement and screws etc. complete : Make - CERA/ HINDWARE or equivalent	SQM	1		
13	Providing and fixing liquid soap dispenser of standard shape with bracket and all fittings of the same material of Jaguar/ Parryware / Hindware / Cera or approved make/brand and colour.	No	1		

	Providing & fixing C.P. brass angle valve of approved make complete as per direction of Engineer-in-charge. F1016201 (Make -Cera or equivalent from make list).	EACH	4		
	TOTAL OF PLUMBING WORK (C)				0.00
D	FURNISHING WORKS				
1	Providing and fixing in position Full Height Partition with GI framework of 600 X 600 mm grid (horizontally and vertically) comprising of 50 mm X 50 mm heavy duty GI (C)-Sections corrugated of 1.5 mm minimum thickness with 12 mm thick moisture resistant MDF (interior grade) on both sides finished with 1 mm thick laminate on both sides in approved shade with groove pattern. Item includes provision of grooves in desired pattern, finishing the grooves with woodtech filler (asian paints/ nerolac paints) of specified shade. The rate includes provision of extra framework for skirting, niches and making cutouts for electrical switch plates, switch boxes, light fittings, making provision for laying conduits as per drawings & directions.	Sq.Mt.	5.00		
	Measurement of height shall be taken from finished floor level up to the level of false ceiling. In case of false ceiling, the vertical GI members to be fixed to RCC ceiling or to be joined with False ceiling framing with screws but the area of partition payable will be below the false ceiling only. In case of varying heights on either side of partition, average height shall be considered. Measurement shall be taken of the visible front surface (elevation - 2D surface) only, nothing extra for designing and provision of niches and vertical sections.				
2	Removing, Repairing and Refixing in position Full Height Partition with GI framework of 600 X 600 mm grid (horizontally and vertically) comprising of 50 mm X 50 mm heavy duty GI (C)-Sections corrugated of 1.5 mm minimum thickness with 12 mm thick moisture resistant MDF (interior grade) on both sides finished with 1 mm thick laminate on both sides in approved shade with groove pattern. Item includes provision of grooves in desired pattern, finishing the grooves with woodtech filler (asian paints/ nerolac paints) of specified shade. The rate includes provision of extra framework for skirting, niches and making cutouts for electrical switch plates, switch boxes, light fittings, making provision for laying conduits as per drawings & directions.	Sq.Mt.	20.00		
3	Providing and fixing in position Low Height Partition upto height of 1200 mm supported with GI framework of 600 X 600 mm grid (horizontally and vertically) comprising of 50 mm X 50 mm heavy duty GI (C)-Sections corrugated of 1.5 mm minimum thickness with 12 mm thick moisture resistant MDF (interior grade) on both sides finished with 1 mm thick laminate on both sides in approved shade with groove pattern. 10 mm thick acid wash glass is to be fixed with SS clamp at the exposed edges of the partition. Item includes 2nd class teakwood / pine wood beading corner chamfered of size 75 X 25 mm. All exposed woodwork to be high gloss melamine polished after using proper masking tapes while polishing to prevent any damage to laminate	Sq.Mt.	2.00		
	Measurement of height shall be taken from finished floor level. In case of varying heights on either side of partition, average height shall be considered. Measurement shall be taken of the visible front surface (elevation - 2D surface) only, nothing extra for designing and provision of niches and vertical sections.				
4	Removing and Refixing full glazed glass partition including door with 12 mm thick Toughened Glass fixed to the floor / wall / false ceiling / partition / panelling with patch fittings moving on double action hydraulic heavy duty floor spring (Hettich/Ozone/Dorma) and pivot on top. The glass is to be machine cut & the surface polished, floor spring to be properly embedded inside the floor spring after cutting and making good the floor and finally covering with Stainless Steel cover plate, The doors are to be provided with Lock fitted to the glass, 600 mm long & 25 mm dia Stainless Steel door handles along with all associated patch fittings (Hettich/Dorma/Godrej)				
	Measurement of height shall be taken from finished floor level up to the finished glass surface. In case of varying heights on either side of partition, average height shall be considered. Measurement shall be taken of the visible front surface (elevation - 2D surface) only. Glass shall be fixed in 2 parts where ever single piece glass is not available with all fixing accessories with no extra cost				
a	Fixed Glass Partition	Sq.Mt.	2.00		
b	Frameless Door	Sq.Mt.	4.00		

5	Providing & fixing Solid Flush Door 30 mm thick flush door with 10 mm teak wood lipping on all sides finished with 1.0 mm thick laminate of approved shade fixed on both sides. The door is to be fixed to wooden frame of 2nd class teakwood/sal wood members of size 75 x 75 mm and the frames is to be fixed with partition / wall with holdfast / GI fastner. The door is to be provided with 12 x 200 mm SS Aldrop, 150 mm SS handles (2 nos), 200 mm long SS tower bolt, door closer, spring loaded SS Door stopper, heavy-duty SS ball bearing butt hinges 100 x 5.5 mm (4 Nos. per shutter) with screws. All wood surfaces to be treated with 2 coats of Fire retardant paint Viper of navair/equivalent and finally finished with malamine polish complete to the satisfaction of Bank's Engineer.	SQM	0.00		
	Measurement of height shall be taken from finished floor level up to the outer edge of wooden frame and width shall be from outer edge of wooden frame to outer edge of wooden frame.. In case of varying heights on either side of partition, average height shall be considered. Measurement shall be taken of the visible front surface (elevation - 2D surface) only.				
6	Providing & fixing Panelling (Laminate) with frame work of 600 X 600 mm grid (horizontally and vertically) comprising of 50 mm X 50 mm heavy duty GI (C)-Sections corrugated of 1.5 mm minimum thickness with 12 mm thick moisture resistant MDF (interior grade) and 1.0 mm thk. laminate of approved shade. Paneling to have up to 3 Nos. of 50 mm high metallic decorative texture laminate band. Paneling to have 50x35mm teak wood moulding on edges. Panelling to have provision of extra frame work as necessary for skirting, coves and making cutouts for electrical switch plates, switch boxes, light fittings as per directions and complete to the satisfaction of the Bank's Engineer.	Sq.Mt.	5.00		
	Measurement of height shall be taken from finished floor level up to the level of false ceiling. In case of false ceiling, area of panelling payable will be below the false ceiling only. In case of varying heights on either side of panelling, average height shall be considered. Measurement shall be taken of the visible front surface (elevation - 2D surface) only, nothing extra for designing and provision of niches and vertical sections.				
7	Providing & fixing Panelling (Wall Paper) with frame work of 600 X 600 mm grid (horizontally and vertically) comprising of 50 mm X 50 mm heavy duty GI (C)-Sections corrugated of 1.5 mm minimum thickness with 12 mm thick moisture resistant MDF (interior grade) and Wall Paper (Elemento/ Marshal). Paneling to have 50x35mm teak wood moulding on edges. Panelling to have provision of extra frame work as necessary for skirting and making cutouts for electrical switch plates, switch boxes, light fittings as per directions and complete to the satisfaction of the Bank's Engineer. (Base Price of wall paper to be used to be Rs. 125/ sq.ft.without taxes).	Sq.Mt.	0.00		
	Measurement of height shall be taken from finished floor level up to the level of false ceiling. In case of false ceiling, area of panelling payable will be below the false ceiling only. In case of varying heights on either side of panelling, average height shall be considered. Measurement shall be taken of the visible front surface (elevation - 2D surface) only, nothing extra for designing and provision of niches and vertical sections.				
8	Item includes providing False Ceiling in plane, curve shape and design. Suspending system and frame work shall match layout of A.C. ducts / grills, electrical / fire protection wiring / fixtures, return air grills etc. Rate to include provision of extra frame work, necessary scaffolding needed due to layout of other utilities refered above and fixtures etc. (Measurement shall be taken of the plan area. Cove design and verticle sections shall be measured in sqm)				

a	Providing and fixing Gypsum Board False Ceiling at all heights with INDIA GYPSUM ULTRA/approved make main ceiling sections at 1200 c/c and cross members at 450 c/c of INDIA GYPSUM/approved make . The grid work to be suspended from ceiling with hangers at every 1200 c/c in both directions. The Frame work to be as per manufacturer's specifications. 12.5 mm thk. GYPBOARD/approved make to be screwed to the frame. The board to be finished with filling the tapered edges of the board with jointing compound and finishing with paper tape of INDIA GYPSUM/approved make. The ceiling to be finished with a top coat (plastic emulsion paint with 'Velvet Touch' of approved brand and manufacture to give an even shade: Two or more coats on new work with rollers/ spray) as per manufacturer's specification along with provision of all necessary cut outs for electrical / air conditioning grills and necessary frame work including cove and curve designs etc. complete to the satisfaction of Bank's Engineer.	Sq.Mt.	20.00		
b	Providing and fixing False Ceiling with Mineral Fibre Acoustic Ceiling Tiles of Armstrong/ USG/ Boral with MICROLOOK edges and having noise reduction properties laid on exposed grid system with 15mm wide Silhouette type T-section flanges of white colour, main runners spaced at 1200 mm c/c securely fixed to the soffit of structure with approved hangers at 1200 mm maximum c/c. Flush fitting 1200 mm crossed tees to be interlocked between main runners at 600 mm c/c to form 1200 x 600 modules. 1200 mm cross tees to be crimped. 600 x 600 module to be formed by fixing 600 mm long flush fitting cross tees centrally between the 1200 cross tees. Ceiling tiles of Dune Premier of size 600 x 600 x 15 mm (thk.) to be placed in the grid. Rate to include making necessary cut-outs or openings for light fixtures, air conditioners and other utilities etc. complete to the satisfaction of Bank's Engineer.	Sq.Mt.	0.00		
9	Removing and Refixing of existing furniture such as table, partition and stoarge and all other items as per instruction by bank with propoer light fitting and connection.	JOB	1.00		
TOTAL OF FURNISHING WORK (D)					
E	ELECTRICAL WORKS				
1	Wiring for light point/ fan point/ wall fan point/ exhaust fan/ light sockets etc. with 1.5 sq.mm. PVC insulated 1100 V Grade copper conductor (FRLS) wires & 1.5 sq.mm. copper earth wire in concealed/ surface using 16 SWG MS conduits, accessories such as bends, tees, saddles, draw boxes, mounting boxes, inner plates, cover plates, ceiling rose etc (whereever required) and chromium plates brass screws/ rowel plug etc. The circuit wiring starting from DB to point control box/ switch box using 2 X 2.5 sq.mm PVC insulated 1100 V grade multi- stranded copper conductor wire & 2.5 sq.mm. PVC insulated earth wire (color code to be used). (Flexible conduit/ elbow not allowed). The conduit to be laid in ceiling with proper clamps/ wall/ floor and flling the chase with cement mortar and finishing the same in original form/ wooden partition/ above false ceiling with proper clamps etc. all complete.				
	(Wherever required as per standard specifications).				
	i) Each circuit shall have independent earth wire.				
	ii) Each point shall be earthed.				
	iii) Circuit wiring is to be included in point wiring rates.				
i	One light points controlled by one 6 amp. Modular switch	Nos.	2.00		
ii	Two light points controlled by one 6 amp. Modular switch	Nos.	2.00		
iii	Three light points controlled by one 6 amp. Modular switch	Nos.	2.00		
iv	Four light points controlled by one 6 amp. Modular switch	Nos.	4.00		
v	Five light points controlled by one 6 amp. Modular switch	Nos.	8.00		
vi	One call bell point with ceiling rose/ 6amp. 3 pin socket controlled by one 6 amp. Push Modular switch. With call bell	Nos.	1.00		
vii	One wall fan/ exhaust fan point controlled by one 6 amp. Modular switch. The switch should be at switchboard level	Nos.	3.00		
viii	One 5 pin socket controlled by one 6 amp. Modular switch complete assembly includes plate box etc.				
a	Dependent	Nos.	4.00		
ix	One ceiling fan point with step type regulator	Nos.	3.00		
x	Same as serial no 1 but using 2*2.5 + 1*2.5 Sqmm Copper Conductor FRLS wires from DB to first 6A, 5 Pin modular socket controlled by one 6A switch and looped to the nearest second point with same 2*2.5 + 1*2.5 Sqmm copper conductor wires FRLS insulated 1100V grade.				
a	Primary	Nos.	1.00		
b	Secondary	Nos.	1.00		

xi	Same as serial no 1 but using 2*2.5 + 1*2.5 Sqmm Copper Conductor FRLS wires from DB to first 16 Amp MCB two Nos. , for Glow sign Board.				
a	Primary Point	Nos.	1.00		
5	REMOVING AND REFIXING POINTS				
	REMOVING AND REFIXING existing power , ups, raw, telephone and ac point at tables and counteres and wall and using existing plate and fixture of board at the time of furnishing work with temporarry shifting as per instructions by bank /architects	Job	1.00		
6.0	Wiring for computer networking from Jack Panel in data rack to computer workstation with Cat-6 computer cable in PVC conduits of size 20/ 25 mm including providing ferrules at both ends and termination at both ends including providing & fixing frame for Cat-6 with shutter, RJ 45 outlet, faceplate and mounting box complete of modular type, This work includes supply and laying of CAT-6 cable in PVC conduits throughout the lenght, from the I/O hub to the point.	Nos.	5.00		
7.0	Supplying and fixing 9 U (Rack with glass door, opening in the front power panel 1 (horizontal), cable manager 1 lock & key).	Nos.	1.00		
8.0	Supply, Installation, Testing & Commissioning of 24 port Jack Panel.	Nos.	5.00		
9.0	Supplying and fixing Patch Cord-2 Meter- (DBPS Mounting Cord)	Nos.	5.00		
10.0	Supplying and fixing Patch Cord-1 Meter-	Nos.	5.00		
C.	CABLES, MAINS & SUBMAINS				
1	Supplying all materials and laying/ pulling 1100 volts grade PVC insulated copper conductor wires (FRLS) in MS conduit with all fixing accessories after cutting the floor, wall and the like etc. and replastering the floor level to original. Conduit must be 30 mm below the floor finish level.				
i	2 X 6 sq.mm. + 1 X 6 sq.mm.	RM	20.00		
iii	Supplying, laying, testing & commissioning of 4 C X 16 sq.mm. at 1100 volts grade PVC insulated aluminium conductor armoured cable with 10 gauge earth copper wire including cables end termination using appropriate Lugs, Glands, termination acessories, Clamps etc. as required as per specification (, LIGHT PLUG DB, UPS Room).	RM	10.00		
iv	Supplying, laying, testing & commissioning of 4 C X 25 sq.mm. at 1100 volts grade PVC insulated aluminium conductor armoured cable with 10 gauge earth copper wire including cables end termination using appropriate Lugs, Glands, termination acessories, Clamps etc. as required as per specification (POWER DB).	RM	5.00		
v	Supplying, laying, testing & commissioning of 4 C X 35 sq.mm. at 1100 volts grade PVC insulated aluminum conductor armoured cable with 10 gauge earth copper wire including cables end termination using appropriate Lugs, Glands, termination acessories, Clamps etc. as required as per specification (for AC DB)	RM	0.00		
vi	Supplying, laying, testing & commissioning of 4 C X 95 sq.mm. at 1100 volts grade PVC insulated aluminum conductor armoured cable including cables end termination using appropriate Lugs, Glands, termination acessories, Clamps etc. as required as per specification (for Main Connection)	RM	0.00		
D.	DISTRIBUTION BOARD				
	Supplying, installing, testing & commissioning of surface/ recessed mountings, Double door 415 volts TPN MCB distribution board of steel steel, 1.6mm thick dust phosphatized and painted, inclusive of 100 amps, tinned copper busbars, earthbar, common neutral link, din bar for mounting of MCB's detachable gland/ knock out plate & with built in loose wire boxl, and superior make terminal connectors for all incoming and outgoing circuits duly prewired with adequate size of PVC insulated copper wires between the bus bars and the MCB's as well as the incomer and upto the terminal connectors/ neutral link and ready for installation of following ways as required.				
	Use 'B' curve MCB's for lighting & small power circuits, 'C' curve for motor duty i.e. for pumps, AC motors, window and split AC's etc. & 'D' curve for UPS DB's i.e. for computers/ PC's circuit. Main incomer & outgoing circuit MCB's shall be selected accordingly i.e. type B,C & D. Contractor to select the MCB's accordingly as per the nature of the circuit/ load.				
	Each DB shall have separate neutral links of rating not less than 100A for each phase. The main incoming neutral link shall be in addition to three outgoing neutral links and shall be of 125 A.				
	UPS DB's shall have a dedicated Earthing link fixed on insulated supports, which will be in addition to body earth link.				

	All internal inter connecting wiring with in the DB's shall be PVC insulated flexible copper conductor wires of adequate capacity as per the current rating.				
	Inside each DB, a DB chart is to be fixed.				
a	6-way TPN DB (LIGHT DB & 6 A raw point)	No.	1.00		
	Incomer:-				
	1 No. 40 Amp TPN (10 KA) MCB with 40 A DP RCCB (100 MA) each phase				
	Outgoing:-				
	12 Nos.10/20 Amp (10 KA) SP MCB				
b	6-way TPN DB (POWER DB)	No.	0.00		
	Incomer:-				
	1 No. 40 Amp TPN (10 KA) MCB with 40 A DP RCCB (100 MA) each phase				
	Outgoing:-				
	12 Nos.10/20 Amp (10 KA) SP MCB				
c	12-way SPN DB (UPS INPUT)	No.	0.00		
	Incomer:-				
	1 No. 63 Amp TPN				
	Outgoing:-				
	1 Nos.40 Amp TPN MCB				
	2 Nos.40 Amp DP MCB				
d	6-way V-TPN DB (AC RBO)	No.	0.00		
	Incomer:-				
	1 No. 63 Amp TPN 4 Pole (16KA) MCCB				
	Outgoing:-				
	4 Nos. 32 Amp (10 KA) TP MCB				
	6 Nos. 32 Amp (10 KA) SP MCB				
f	2-way SPN DB with 40 A DP MCB (For UPS Input / output)	No.	0.00		
g	12-way SPN DB (For UPS OUTPUT)	No.	1.00		
	Incomer:-				
	1 No. 25 Amp DP (10 KA) MCB with 25 A DP RCCB (100 MA)				
	Outgoing:-				
	8 Nos.6/10/16 Amp (10 KA) SP MCB				
E	(LIGHT FITTINGS & ACCESSORIES)				
	Supplying, installation with hanging support, testing and commissioning of following light fixtures with electronic Ballasts, Tubes, lamps, all fixing materials including connecting wires etc. all complete as per the directions of Engineer-in-charge (All LED Light Fixures should be covered with minimum 3 Years onsite replacement warranty).				
i	FULL GLOW 2 X 2 LED 32 W slim Smart Panel of make As specified in tender document or approved by SBI/ Architect.	Nos.	12.00		
ii	Supplying, fixing, testing and commissioning of 15/18 W LED commercial type down lighter of make As specified in tender document or approved by SBI/ Architect.	Nos.	10.00		
iii	Supplying, fixing, testing and commissioning of 20 W LED T 8 fitting make As specified in tender document or approved by SBI/ Architect.	Nos.	2.00		
iv	LED Strip for cove lighting 15 W per 5 M with driver and necessary installation supporting fittings of Led strip light (5 mtr.) make as specified in tender document or approved by SBI/ Architect.	Nos.	4.00		
v	Wall mounted fans 400/450 mm dia. make As specified in tender document or approved by SBI/ Architect. (METAL BODY)	Nos.	0.00		
vi	Ceiling fans 1200 mm dia. make As specified in tender document or approved by SBI/ Architect.	Nos.	0.00		
vii	Supply & fixing of 230 mm exhaust fan with louvers and plastic body with all accessories etc. complete of make As specified in tender document or approved by SBI/ Architect.	Nos.	1.00		

F.	EARTHING SYSTEM				
1	Supply, Installation, Testing and Commissioning of Maintenance Free Earthing system made up of copper-bonded rod of 10 feet length, 23 mm dia. (Minimum copper bonding shall be 0.25mm) along with Rod-to-Conductor connectors, Earth enhancement material, Pit Cover and other accessories as required and as per specification and other applicable codes (include chamber for earthing, Earthing certificate to be submitted along with the bill).	Nos	0.00		
2	Supply, Installation, Testing and Commissioning of Maintenance Free Earthing system made up of copper-bonded rod of 10 feet length, 17.2 mm dia. (Minimum copper bonding shall be 0.25 mm) along with Rod-to-Conductor connectors, Earth enhancement material, Pit Cover and other accessories as required and as per specification and other applicable codes (include chamber for earthing, Earthing certificate to be submitted along with the bill).	Nos	0.00		
3	Providing and fixing of Copper/ GI strips in surface or in recess for loop earthing etc. as required.		0.00		
i	Providing and fixing 2 X 8 SWG dia. Cu earth wire in PVC conduit on surface or in recess for loop earthing along with the existing surface/ recess cable as required with using of copper lug at end termination	RM	0.00		
	TOTAL OF ELECTRICAL WORK (D)				
F.	A.C WORK				
1	Supplying, erection, testing and commissioning following wall mounted Split/ Root mounted cassette units of (Toshiba/ Mitsubishi/ Hitachi/ Daikin/ O-General/ Voltas/ Bluestar / Carrier) with cordless remote complete with all necessary fittings duly insulated with 9 mm thick nitrile rubber pipe insulation with (All coils – copper only) , fan and fan motor, machine control panel improved Refrigerant Joints, Air conditioners shall be fitted with hermetically sealed type suction cooled reciprocating or discharge cooled rotary compressor or scroll compressor. Compressor unit operating on R32/ R-410. All complete as per drawing, approval and instructions of the Architect/ Employer. Item to include powder coated outdoor stands as per the manufacturer specifications. (Rates to be inclusive of Copper refrigerant pipe with insulation up to 3 Mtr length only for Each split AC Unit)				
a	1.0 TR split AC 5 star rating inverter type including all necessary fittings and mountings as specified by the manufacturer	Nos.	0.00		
b	1.5 TR split AC 5 star rating inverter type including all necessary fittings and mountings as specified by the manufacturer	Nos.	0.00		
c	2.0 TR Cassette AC inverter type Ceiling suspended Cassette with 4 way/ round air flow including all necessary fittings and mountings as specified by the manufacturer	Nos.	0.00		
d	3.0 TR Cassette AC inverter type Ceiling suspended Cassette with 4 way / round air flow including all necessary fittings and mountings as specified by the manufacturer.	Nos.	0.00		
e	4.0 TR Cassette AC inverter type Ceiling suspended Cassette with 4 way / round air flow including all necessary fittings and mountings as specified by the manufacturer.	Nos.	0.00		
2	EXTRA REFRIGERANT PIPING				
	Supplying and laying of Extra copper refrigerant piping with nitrile rubber pipe insulation, both of size as specified by the manufacturer suitable for 1.0/1.5/ 2.0 TR Split type AC and 2.0 TR/ 3.0 TR/4.0 TR Cassette AC - From Indoor to outdoor Units (make as approved by Architect/ Bank)				
a	For 1.5 TR/ 1.0 TR Split AC as specified by the manufacturer	Mtr.	40.00		
b	For 2.0 TR/ 3.0 TR/4.0 TR Cassette as specified by the manufacturer	Mtr.	0.00		
3	DRAIN PIPING				
	Providing and fixing drain piping up to drain as directed by the engineer incharge with all accessories e.g. elbows, unions, sockets, reducers, reducing tees, nipples etc. Complete job including cutting chiseling in walls, floor and making good of all chases/ cuts etc. and discharging the drain into a floor trap/ gully as per site conditions with insulation, both as specified by the manufacturer (make as approved by Architect/ Bank).				
a	25 mm dia PVC drain pipe for Split AC	Mtr.	40.00		
b	32 mm dia PVC drain pipe for Cassette AC	Mtr.	0.00		
4	Providing and fixing of lockable caging for outdoor unit grouted on wall or on roof with open able shutter made of 10 X 10 mm MS square bars placed vertically @ 6" c/c welded with 40 X 3 mm MS flat all- round. Item includes all necessary hardware, priming coat, synthetic enamel paint, hanger, clamps other accessories etc. All complete as per approval and instructions of the Architect/ employer.				
a	For 1.0/ 1.5/ 2.0 TR Hi Wall split units	Nos.	2.00		

b	For 2.0/ 3.0/4.0 TR TR ceiling mounted cassette unit	Nos.	0.00		
5	Supplying and laying of Extra Electrical interconnecting control cable from indoor to outdoor of size as specified by the manufacturer suitable for 1.0/1.5 TR Split type AC (make as approved by Architect/ Bank).	Mtr.	60.00		
6	Supplying and laying of Extra Electrical interconnecting control cables from indoor to outdoor of size as specified by the manufacturer suitable for 2.0T/ 3.0T Cassette type AC (make as approved by Architect/ Bank).	Mtr.	0.00		
7	Supplying, installation and commissioning of voltage stablizer of range 170-280 V for Acs (V-guard/ Livguard/ Kirnotics make as approved by Architect/ Bank).				
	For 1.0 / 1.5 Tr. Wall mount (4 Kva)	Nos.	0.00		
	TOTAL OF AC WORK (E)				
F	SALVAGE ITEMS / BUY BACK				
1	Removing, shifting and buy back on "as is where is basis" "existing old & unserviceable" furniture items from existing premises. Contractor to quote individual rates not below reserve price (RP). In case, contractors quote rate below the reserve price, comparative position shall be worked out on the basis of reseve price only.				
a	Wooden Counter, Reserve Price = Rs. 1200/- each	Nos	1.00		
b	Table, Reserve Price = Rs. 1,000/- each	Nos	0.00		
c	Wooden Storage, Reserve Price = Rs. 400/- per sqm	sqm	2.00		
d	Wooden Partition, Reserve Price = Rs. 200/- per sqm	sqm	2.00		
e	Alumunium Partition, Reserve Price = Rs. 500/- per sqm	sqm	4.00		
f	False ceiling including GI frame, Reserve Price = Rs. 50/- per sqm	sqm	50.00		
g	MS Grill, Reserve Price = Rs. 500/- per sqm	sqm	2.00		
h	Ac copper pipe , Reserve price - 100 per meter	Mtr.	20.00		
	TOTAL OF BUYBACK WORK (F)				
SUMMARY					
	TOTAL OF DISMANTLING WORK (A)				
	TOTAL OF CIVIL WORK (B)				
	TOTAL OF PLUMBING WORK (C)				
	TOTAL OF ELECTRICAL WORK (D)				
	TOTAL OF AC WORK (E)				
	TOTAL OF BUYBACK WORK (F)				
	SUB- TOTAL				
	CONTINGENCY (5%)				
	TOTAL				
(Note : Tax should be paid extra as applicable)					
			Authorised Registered Signature		
	Pages : 1 to 8				
	Place : Delhi				
NOTE:- Makes of Sanitary Wares, A) Sanitary Wares - Parryware, Hindware in White Colour, B) Seat Covers - Patel, Commander, C) Kitchen Sink - Neelkanth, Jayna, Nirali, D) C.P. Fittings - hindware/Parryware, E) C.P. Accessories - Picasso, F) Bottle Trap - Parko, G) Health Faucet - Continental, H) PVC Tanks - Sintex, I) UPVC - Tata, Jindal (Hissar) - B Class, J) G.I. Fittings - UNIK, K) C.I. Pipes & Fittings - R.I.F., L) Gate/ Ball Valves - Leader. M) G.I. Fittings - UNIK, N) C.I. Pipes & Fittings - R.F.I. (Note : All Shaft Pipe Fitting In C.I. Pipe).					
NOTES-					
* Material should be disposed off within 24hours.					
* * Shifting of office table and furniture etc. during the concurrence of work will be in scope of the Contractor.					
* Green safety net to be installed by the contractor on external facade from top to bottom without any additional cost.					
* Wherever required, the contractor will provide temporary plywood partition inside the premises for separating office area from area of repair without any additional cost.					