

UCO BANK # SALT LAKE ZONAL OFFICE # JHOREHAT BRANCH & ATM

B O Q FOR INTERIOR FURNISHING WORKS

SI No.	Description Of Item
1	<p>Providing and fixing in position full height Glazed partition 65 mm thk. as indicated in the drawing excluding the door made out of aluminium hollow sections of 50mm x 50mm size 1.5mm thick of JINDAL / INDAL make as internal framed structure placed horizontally & vertically in 550 mm x 550 mm / 600mm x 600 mm center to center or as directed by the Architect. The alternate corner vertical members of the partition shall be taken upto the ceiling level (payment shall be made for the partition measured below the false ceiling level) and the same shall be anchored to the ceiling securely with help of suitable cleats. Framework shall be fixed with 6 mm thick marine grade ply (IS - 710) of approved make on both sides finished as per following specifications. The Partition shall be finished with 1.0 mm thick laminate of approved shade and make or equivalent on both the sides. The glazing will be of 6 mm. thk clear glass fixed within 900 - 2100 mm. level, to be fixed with partition with polished teak wooden bead. There will be designed glass film over the glazing area with required design, complete as directed by the Architect. The item does not include the doors.</p>
2	<p>Providing & Fixing double skin low ht. partition with wicket door (1200 mm. high) with electrical wire management system, 900 mm. solid, then 300 mm. partly glazed, made out of aluminium hollow sections of 50mm x 50mm size 1.5mm thick of JINDAL / INDAL make as internal framed structure spaced not more than 600 mm. c/c bothways, double skin partition fixed to aluminium frame made of 6 mm. thk. approved marine grade ply (IS:710), finished both side with approved laminate with 1.5 mm. groove design, 4" high laminated skirting etc., the vertical support of 50 x 50 mm. frame to be extended upto 1200 mm., side & top faces to be covered with 65 x 15 mm. CP teak wood moulding bead with 6 mm. x 6 mm. polished groove. 300 mm. high x 12 mm. thk. glass to be fixed to partition with 30 x 12 mm. teak wooden bead with 6 mm. groove, all exposed teak wood surface to be completed with natural colour high polishing etc. all complete as per design, direction and approval of the Architect.</p>
3	<p>Providing and fixing in position full height solid partition 65 mm thk. as indicated in the drawing excluding the door made out of aluminium hollow sections of 50mm x 50mm size 1.5mm thick of JINDAL / INDAL make as internal framed structure placed horizontally & vertically in 550 mm x 550 mm / 600mm x 600 mm center to center or as directed by the Architect. The alternate corner vertical members of the partition shall be taken upto the ceiling level (payment shall be made for the partition measured below the false ceiling level) and the same shall be anchored to the ceiling securely with help of suitable cleats. Framework shall be fixed with 6 mm thick marine grade ply (IS - 710) of approved make on both sides finished as per following specifications. The Partition shall be finished with 1.0 mm thick laminate of approved shade and make or equivalent on both the sides. Rate shall be inclusive of provision of pencil groove as directed by the Architect. The</p>

SI No.	Description Of Item	Qty	Unit	Rate (Rs.)	Amount (Rs.)
4	Providing and fixing Solid Core Flush Door Shutter of 35 mm thk. finished both side with 1 mm thk. approved colour laminate (IS : 2046) with 1.5 mm. groove design fixed to Wooden framework of partition. One vision panel of size 6"x 10" made out of 6 mm thk. Clear glass with moulding with polish to be provided. (For BM Chamber door, larger size glass of 600 x 1800 mm. to be provided.) The rate shall be inclusive of fitting and fixing of 3 nos. 100 mm. s/s hinges, door closer, door stopper, screws, cylindrical lock, tower bolt of approved make. All edges of the door to be covered with necessary lipping with polish finish. The work should be completed as per specification, design and approval of Architect.				
a	Shutter size : 900 mm. x 2100 mm. with 250 x 150 mm. / 600 x 1050 mm. glass vision panel				
b	Shutter size : 900 mm. x 2100 mm. excluding door closure for cash counter				
5	Providing and fixing Storage Unit made out of 19 mm block board (IS : 1659) for top, sides & 6 mm. for back finished with 1.0mm laminate. The openable shutters to be made out of 19 mm block board finished outside with 1.0 mm laminate (IS : 2046). The cabinet will have shelves of clear ht. approx. 14". The shelves to be made of 19 mm. thk. block board. The necessary godrej multipurpose locks, 4" SS matt finished handles, auto closing hinges are to be provided. 4" laminated skirting to be provided. Inside of the unit to be synthetic enamel painted / polished in matching tone. All the exposed edges of the boards/ plywoods to be covered with white beach/ white cedar wooden lippings/ mouldings (6 x 20 mm.) duly natural polished all complete. For full ht storage, shutters to be divided into two parts vertically & file divider made out of 6mm thk ply to be provided. The work to be completed as per approval and specification of the architect.				
a	Low height Storage (upto 900 mm. high)				

SI No.	Description Of Item	Unit	Rate (Rs.)	Amount (Rs.)
6	Providing and fixing Gypsum false ceiling which includes G.I perimeter channels of size 0.55mm thk. (having one flange of 20mm and another flange of 30mm and a web of 27mm) along with perimeter of ceiling, screw fixed to brick wall/partition with the help of nylon sleeves and screws, at 610mm centres. Then suspending G.I intermediate channels of size 45mm (0.9mm thk. with two flanges of 15mm each) from the soffit at 1220mm centres with flanges of 26mm each with lips of 10.5 mm are then fixed to the intermediate channel with the help of connecting clip and in direction perpendicular to the intermediated channel at 457mm centres. 12.5mm tapered edge Gypboard (confirming to IS: 2095 - 1982) is then screw fixed to ceiling section with 25mm drywall screws at 230mm centers. Screw fixing is to be done mechanically either with screw driver or drilling machine with suitable attachment. The boards are to be jointed and and finished so as to have a flush look which includes filling and finishing the tapered and square edges of the boards with jointing compound. No extra payment will be made for the cutting of light points , stain glass, cove lighting etc. The measurement will be taken in one level, rate should include the drops also, no extra amount will be paid for the drops. The joints to be properly mended with paper tapes and gypsum compound, two coats of Drywall Top Coat all complete. The rate should include the full completion of the ceiling. At the time of handing over the site all necessary repairing work to be considered if required. The work to be completed as per specification, drawing and approval of the Architect. No Drop or design (if any) will be considered as extra measurement it will be considered flat ceiling.			
7	Providing , fabricating and erecting lay in type tegular or drop type Modular False Ceiling (ARMSTRONG make) of 600 x 600 mm. grid. The rate shall include the additional cost of Tee and L supports and other accessories near the ends/ odd size edges/corners. Provide additional length support from the ceiling to the false ceiling grid wherever necessary, making necessary openings for electrical light fittings, alarm detectors and any other fixtures. No extra payment for making openings in the panel/grids for the purpose of light fittings. Item rate shall include all the taxes, transportation, erection, loading and unloading and any other incidental expenditure for completing the work.			
8	Providing & fixing in position wall / column panelling consisting of 6.0 mm thk. BWP ply as per IS:710, 1.0mm thk laminate with hardwood ribbing of 25 x 25 mm. @ 500 mm. both direction. The face of the cladding is to be laminated with approved design. The item is to be completed in all respects as per design & approval of the architect.			
9	Providing & fixing in position Window edge panelling [75 mm. wide on both edge] consisting of 19.0 mm thk. BWP ply as per IS:710, 1.0mm thk laminate with polished wooden lipping bead in the exposed edge complete. The face of the cladding is to be laminated with approved design. The item is to be completed in all respects as per design & approval of the architect. [measurement will be taken as length x width]			

SI No.	Description Of Item	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
10	Providing & fixing in position 19mm thk. Blockboard structure, 1 nos. Cash Work Station of size W-1500 x D-800 x H-750 mm inclusive of a 1050 mm height front partition, 400 mm wide customer writing top, table top, finished with 1mm thk. laminate. Inside of table top finished with painting / polishing. The design in the front apron as per bank's design guidelines. The workstations shall be supported from the partition system at both side. The workstation to be comprised with a Drawer unit of approx. overall size of 400 x 600 x 725 mm. (h) made with 12 mm. thk. block board with telescopic drawer slides. The drawer unit shall comprise of 3 drawers with inner faces polished with approved shade. The drawer unit shall be finished with 1 mm. laminate. The quoted price should include cost of teak wood moulding to edges, wood lipping, multi locks of Godrej make & other necessary hardware accessories including SS handles, pvc wire manager, keyboard tray, mobile CPU trolley etc. of approved quality all complete as per design & direction.				
11	Providing & fixing 2000 mm. high Cash Work Station Partition (sides & back of cash cabin) solid upto 1050 mm. (with electrical wire management system), above solid part there will be 6 mm. thk. clear glazing upto 1800 mm. lev. as per design. Partition to be made of aluminium hollow sections of 50mm x 50mm size 1.5mm thick of JINDAL / INDAL make as internal framed structure placed horizontally & vertically in 550 mm x 550 mm / 600mm x 600 mm center to center or as directed by the Architect, double skin partition fixed to aluminium frame made of 6 mm. thk. approved ply as per IS:710, finished both side with approved laminate with groove design complete with polishing, 4" high laminated skirting etc. Glazing to be fixed with partition with polished teak wooden bead, all complete as per design, direction and approval of the Architect.				
12	Providing and fixing 12 mm thk x 900 mm. high clear non-thoughtned glass finished with machine polished of all free edges above working top providing a semicircular hole of 150 mm. dia. for operation, the glass to be fixed to side partition using 35 x 10 mm. continuous polished teak wooden bead at both side of the glass, all complete as per design and drawing by our Architects.				

SI No.	Description Of Item
13	Providing & erecting in position free standing table made of 19 mm. thk. BWP grade block board for sides, top & front panel, finished with 1 mm. thk. laminate of approved shade & make in outer faces. Inside of the table to be finished with synthetic enamel paint / polish as per matching tone. Drawer cum cabinet unit of approx. overall size of 400 x 600 x 725 mm. (h) of 19 mm. thk. block board. The drawer unit shall comprise of 1 tea tray, 1 drawer, 1 cabinet with inner faces polished with approved shade with telescopic drawer slides. the drawer unit shall be finished with 1 mm. laminate. The quoted price should include cost of teak wood moulding to edges, wood lipping, multi locks of Godrej make & other necessary hardware accessories including SS handles, pvc wire manager, keyboard tray, mobile CPU trolley, wooden foot rest etc. of approved quality. All table should have a side credenza which shall be 900 mm. long., 400 mm. wide & 750 mm. high with intermediate 1 no. shelf of 19 mm. BB. The side credenza have sliding shutters of 12 mm. thk. ply with 1 mm. thk. laminate finish on visible side. Inside of the unit to be synthetic enamel painted / polished in matching tone. All the ply edges should be lipped & finished with prescribed shade of polish. The rate also include the cost of hardwares like hinges, tower bolts, handles, magnets, wire manager etc.
a	size : 1800 mm. x 750 mm. x 750 mm.(h) including side credenza
b	size : 1500 mm. x 750 mm. x 750 mm.(h) including side credenza
c	size : 1200 mm. x 750 mm. x 750 mm.(h) excluding side credenza
14	Providing & fixing fully glazed 12 mm. thk., 300 mm. high, non-toughened clear float Glass , with polished edge fitted in front of table top vertically keeping 50 mm. gap with counter top. The glass to be fixed with 50 x 50 x 350 mm. high hard wooden post (@1500 mm. c/c apart) finished with 1mm. approved laminate with polished wooden beading. The same partition will continue in between two workstation also having wooden post at the end of the each table top, complete as per design & direction. (for measurement, 350 mm. height will be considered)
15	Providing & Fixing fully glazed 12 mm. clear Toughened Glass Door (in one shutter) with floor mounted pivotted door spring hinges to shutters fitted with patch fittings & floors with plate & screws including cutting holes & mending good with cement mortar, with sticker design bank's name, logo, bands etc. (polished edge as directed) fitted with 30 mm. dia. 100 mm. X 500 mm. long stainless pair of 'C' handles (both inside & outside) with all accessories, floor spring complete as per design & direction.
16	Providing and fixing soft board/ notice board fabricated out of 19mm Marine ply (I.S.:710) covered with 12mm soft board padding and upholstery propylene fabric @80/ mtr. Edges of the soft board should have white beach / white ceader moulding with natural polished. NB : where pin up board is in a panelled area, the top of the pin up board should be flushed with the panel, keeping the same level. The work should be completed as per design specification & approval of the architect.

SI No.	Description Of Item
17	Providing and fixing Writing Ledge (including Drop Boxes) of 300mm. depth, 1200 mm. width and 1050 mm. height mounted on floor, made of 19mm IS-710 Grade (BWP) plywood structure comprising of suitable intermediate vertical partitions to make compartments for placing leaflets. An 12 mm thick tinted glass (black) with edge polished shall be fixed to the surface using clear adhesive. Two nos. of plywood boxes of size 600 x 600 x 150 mm. made of 19mm IS-710 Grade (BWP) plywood shall be provided below the writing ledge on either sides for receiving complaints and suggestions. All exterior surfaces shall be finished with 1mm thick laminate of approved shades and inside area finished with 2 coats of enamel paint / polish. The openable shutter on the front shall be provided with approved quality locks, handles, glass etc. and slit (150 x 25 mm.) on top for dropping complaints / suggestions.
18	Providing and fixing Main Panel Encasement in position fabricated out of 19mm BWP block board with 1 mm laminate finished for top, both sides and front with necessary hardware including locks, hinges and handles. Encasement will be having powder coated aluminium louver and 6mm thk. Glass for seeing the indicator in both shutters. The exposed surface of 19mm block board will be finished with TW / white cedar lipping with natural polish and inside of the encasement shall be finished with polish / enamel paint. The item is to be completed in all respect as per design, specification and approval of the Architect.
19	Providing & fixing Rolling Shutters Encasement with 3mm thick (0.5mm + 2 mm + 0.5mm) ACP in approved colours all complete with approved aluminium sub structure, aluminium brackets, silicon sealants, gaskets, PVDF coating in approved colour etc. all complete including bird/ vermin proof closer at the bottom and flashing at top, complete as per instructions & drawings.
20	Providing and fixing vertical blinds of 100 mm wide (Mac/Annums) of approved shade and pattern having handrail made of high strength aluminium alloyed with thickness of 1.2 mm thk handrail to have 25mm decorative insert. Control unit shall be of derlin. The runners are also to be a derlin with anti-friction adhesive. Spacers should be made of stainless steel. Fabric should be polyester viscose/polyester yarn having protective coating with chemicals for stain resistance & soil repellency. The rate shall include necessary scotch guard treatment on both sides. The overlapping should be uniform and adequate. Necessary operative arrangements frames to be provided. The work to be completed as per specification and approval of the Architect.
21	BUY BACK : Dismantling of existing partition, glazing, unused tables, cash cabin, false ceiling of banking hall including Buy Back of all the same, as will be instructed by the Architects/Bank & removing all from the site. (minimum offered price should be Rs. 10,000/-)
	TOTAL

APPROVED MAKE OF MATERIALS

SI No.	Description Of Item	Qnty.	Unit	Rate (Rs.)	Amount (Rs.)
1	False Ceiling / Channels	India Gypsum / Armstrong / Saint Gobain			
2	Wood Frame Work / Wood Section : All Wood, Must be well seasoned, free from knots, other defects decay and defects due to handling and Transportation. Wherever necessary, provide with anti – termite Treatment.	Malaysian Sal / Kapoor			
3	Wood Skirting / Moulding / Lipping / Bidding	White Beach / White Cedar / CP Teak			
4	Wood Preservative	STP Pentaphene Pale / Termiseal by PCI / Bison by			
5	Fire Reterdant Paint	Industrial grads of Noble / Viper			
6	BWP Ply (IS : 710)	Century (excl. Sainik) / Sylvan / Archid / Globe			
7	Flush Door / BWP Block board (IS : 1659)	Century (excl. Sainik) / Sylvan / Archid / Globe			
8	Laminate (1.0 mm thk.) (IS : 2046)	Green lam / Century mica / Sunmica			
9	Door Closure (Heavy Duty)	Godrej / Archi / Sterling (DC 2000)			
10	Floor Spring (Heavy Duty)	Godrej / Archi / Sterling (FS 3000)			
11	Door Lock (Dead)	Godrej / Hafele /Hettich / Kich / Doorset / Yale			
12	Door Handles	Godrej / Hafele /Hettich / Kich / Doorset			
13	Drawer / Storage Handle	Godrej / Hafele /Hettich / Kich / Doorset			
14	Drawer / Storage Lock (Multipurpose)	Hafele /Hettich /Doorset			
15	Night latch	Godrej / 4C Acme			
16	Screws	GKW / Nettle fold			
17	Hinges	CIEF / Hettich			
18	Sliding Telescopic Drawer Channel	Ebco / Earl Behari / Efficient Gadjets			
19	Cable Organiser	Ebco / Innofitt Systems (CM 63.C)			
20	Adhesive	Fevicol SH / Fevimate TL			
21	Soft Board	Jolly Board			
22	Vertical Blinds	Mac / Annums / Window Fashion			
23	Glass	Modi /AIS / Saint Gobain			
24	Paints (Synthetic Enamel / Acrylic Emulsion)	Asain Paints / Berger / ICI			
25	PVC Flooring	Krishna Vinyl / Armstrong / Birla			
26	Texture Paint	Spectrum			
27	Glass	Modi / AIS / Saint Gobain			
28	European WC / Washbasin	Hindware /Parryware			
29	Sanitary Fittings	Jaquar / Kohler			
30	G.I. Pipe	Tata (Medium)			
31	Cement	Ultratech / Lafarge / ACC			
32	Footmat	Birla 3M / Approved Equivalent			
33	Vitrified Tiles	Johnson / Kajaria			
34	Ceramic Tiles	Johnson / Kajaria			
35	All other items not covered above	As per sample approved by Employer/Consultant			

UCO BANK # SALT LAKE ZONAL OFFICE # JHOREHAT BRANCH & ATM

B O Q FOR INTERIOR FURNISHING WORKS

Sl. No.	DESCRIPTION OF ITEMS
1	Dismantling existing Wall/Floor Tiles/ mosaic, any types of massonary work, wooden door & windows, cooking counter, sanitary fittings, water line etc. and removing the rubbish outside the compound complying local municipal rules as per direction of Bank / Architect.
a	wall / floor tiles/mosaic in toilet
b	existing ALL bathroom fittings
c	existing ALL water lines & fittings
2	15 mm. thk. Plastering with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints or roughening of concrete surface, including throating, noising and drip course where necessary. With 6:1 sand-cement mortar. including cost of scaffolding etc.
3	Applying white cement based wall putty (1.5 mm. thk.) over new plastered surface before painting.
4	Removing old paint from blistered painted wall / ceiling surface with application of soda, sajimati or any approved chemical paint remover and exposing the original surface including cleaning and thorough washing to remove all traces of the removing agent.
5	Priming two coats on plastered surface with acrylic oil bound primer of approved quality including smoothening surfaces by sand papering etc.
6	Wall painting with Acrylic Emulsion Paint , having VOC (Volatile Organic Compound) content less than 50 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour.
	Two coats
7	Removing old paint from blistered painted surface of wooden / steel or other metal by chipping including scraping and cleaning and exposing the original surface.
8	Priming two coats on timber, steel or other metal surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc. complete as directed.
9	Painting on all types of Metal surface with Synthetic Enamel Paint of approved brand and manufacture of required colour to give an even shade
a	Two or more coats
10	Providing and laying double charge Vitrified Floor Tiles (size : 600 x 600 mm.) (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS : 15622, of approved make, in all colours and shades, laid on a layer of tile adhesive after thoroughly chipping the base surface, including grouting the joints with white cement and matching pigments etc. complete. (mode of measurement : floor = length x width, skirting = length x ht.)

Sl. No.	DESCRIPTION OF ITEMS
11	Providing and fixing 1st quality Ceramic Glazed / matt Wall/ floor tiles conforming to IS : 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete. (Location : Toilet & Pantry)
a	Wall tiles : 450 x 300 mm.
b	Floor tiles : 300 x 300 mm.
12	Supplying, Fitting & Fixing Factory made prelaminate P.V.C. door frame of size 50 mmx47 mm with a wall thickness of 5 mm, made out of extruded 5 mm Prelaminated PVC sheet miter cut at two corners and joined with two nos of 1.5 mm long brackets of 15 mm x15 mm M.S. square tube. The two vertical door profiles are to be reinforced with 19 mmx 19 mm M.S. Square tube of 19 gauge, weather seal to be provided through out the frame. The door frame shall be fixed with the wall using 65/100 mm M.S. Screws through the frame by using P.V.C fasteners. A minimum of 4 Nos of screws to be provided for each vertical member and minimum 2 Nos for horizontal member etc. complete as per Manufacturer's specification and direction of Engineer-in-Charge.
13	30 mm thick factory made Poly Vinyl Chloride (PVC) door shutter made of styles and rails of a UPVC hollow section of size 60 x 30 mm and wall thickness 2 mm (± 0.2 mm), with inbuilt decorative moulding edging on one side. The styles and rails mitred and joint at the corners by means of M.S. galvanised/ plastic brackets of size 75 x 220 mm having wall thickness 1.0 mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanised M.S. tube of size 25x20 mm and 1 mm (± 0.1 mm) wall thickness. The lock rail made up of 'H' section, a uPVC hollow section of size 100x30 mm and 2 mm (± 0.2 mm) wall thickness fixed to the shutter styles by means of plastic/galvanised M.S. 'U' cleats. The shutter frame filled with a uPVC multi-chambered single panel of size not less than 620 mm, having over all thickness of 20 mm and 1 mm (± 0.1 mm) wall thickness . The panels filled vertically and tie bar at two places by inserting horizontally 6 mm galvanised M.S. rod and fastened with nuts and washers, complete as per manufacturer's specification and direction of Engineer-in-charge.
14	Black Stone Slabs 25 mm thick in structure of cooking platform laid on 12 mm (average) thick cement mortar 1 : 4 (1 cement : 4 coarse sand) and jointed with grey cement slurry/adhesive mixed with pigment to match the shade of the slabs, including rubbing and polishing complete. (Location : Kitchen)
15	Granite slabs (Sadar Ali / Galaxy) 18 mm thick in cooking platform laid on 12 mm (average) thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing, moulding and polishing complete. (Location : Kitchen)

Sl. No.	DESCRIPTION OF ITEMS
16	Providing and fixing Wash Basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require
a	White Vitreous China Wash basin size 630 x 450 mm
17	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 [size : 610 x 510 mm bowl depth 200 mm]
18	Supplying, fitting and fixing Squatting plate with integral flushing in white vitreous chinaware of approved make in cement concrete (6:3:1) with jhama chips complete. (Payment of concrete will be paid seperately). [450 mm X 350 mm]
19	Supplying, fitting and fixing Flat Back Urinal (half stall urinal) in white vitreous chinaware of approved make in position with brass screws on 75 mm X 75 mm X 75 mm wooden blocks complete.
20	Supplying, fitting and fixing Urinal partition in white marble [size - 500 x 900 mm.] fixed to wall by grouting. Corner and edges are to be rounded and polished.
21	Providing and fixing white vitreous china pedestal type (European type) Water Closet (white) . [Base Price : 1050.00 - 1100.00]
22	Providing and fixing P.V.C. low Level Flushing Cistern with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete. [Base Price : 850.00 - 900.00]
a	10 litre (full flush) capacity-white
23	Providing and fixing Solid Plastic Seat with lid for pedestal type W.C. complete. [Base Price : 400.00 - 450.00]
a	White solid plastic seat with lid
24	Providing and fixing P.V.C. Waste Pipe for sink or wash basin including P.V.C. waste fittings complete.
a	32 mm dia
25	Providing and fixing Mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing. [Base Price : 450.00 - 500.00]
a	Rectangular shape 453 x 357 mm
26	Providing and fixing Chlorinated Poly Vinyl 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 testing of joints complete as per direction of Engineer in Charge.
	Concealed work , including cutting chases and making good the walls etc.
a	20 mm nominal outer dia Pipes
b	40 mm nominal outer dia Pipes
27	Providing and fixing unplasticised P.V.C. connection pipe with PTMT Nuts, collar and bush of approved quality and colour.
a	15 mm nominal bore with 45 cm length

Sl. No.	DESCRIPTION OF ITEMS
28	Supplying, Fittings & fixing different size high/low pressure CPVC Ball Valve of approve quality.
a	20 mm.
29	Providing and fixing C.P. Angle Stop Cock of approved quality. [Base Price : 850.00 - 900.00]
	15 mm nominal bore
30	Providing and fixing 2 in 1 bib Cock including commode shower of approved quality with 1 mtr. Long easy flex tube in chrome finish & wall hook.. [Base Price : 2 in 1 b/c : 1000.00 - 1050.00, com. shr. : 500.00 - 600.00]
	15 mm nominal bore
31	Supplying, fittings & fixing C.P. Stop Cock. / bib cock
32	Providing and fixing SS Liquid Soap Container 109 mm wide, 125 mm high and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms.
33	Providing and fixing SS Towel Ring trapezoidal shape 215 mm long, 200 mm wide with minimum distances of 37 mm from wall face with concealed fittings arrangement of approved quality and colour, weighing not less than 88 gms.
34	Providing and fixing SS Towel Rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour.
	600 mm long towel rail
35	Supplying, fitting & fixing new PVC pipes (110 MM dia.) including all specials (bend, tee, etc.) in wall by PVC clamp including cutting holes in wall etc. & mending good all damages in cement concrete with jhama chips (1:2:4) & cement plaster (6:1) to match & curing complete in all respect.
a	110 mm. dia
36	Making 7" dia. holes in wall duly finished with plastering for exhaust fan
	TOTAL

APPROVED MAKE OF MATERIALS

1	Paints (Synthetic Enamel / Acrylic Emulsion)	Asain Paints / Berger / Dulux
2	Cement	Ultratech / Lafarge / ACC
3	MS ANGLE / FLAT / SQ. BAR	TATA / JINDAL / RINL
4	Reinforcement Bar	SAIL/ TATA/ RINL
5	Construction Chemicals	Sika / Pidilite
6	UPVC / CPVC Pipes	Supreme / Astral
7	Vitrified Tiles	Johnson / Kajaria / Orientbell
8	Ceramic Tiles	Johnson / Kajaria / Orientbell
9	European WC / Washbasin	Hindware /Parryware
10	Sanitary Fittings	Jaquar / essco
11	G.I. Pipe	Tata (Medium)

UCO BANK # SALT LAKE ZONAL OFFICE # JHOREHAT BRANCH	
B O Q FOR ELECTRICAL WORKS	
Sl No.	Description Of Item
1	MAIN INCOMING SFU S/I/T/Commissioning of 100 Amp. TPN Main Switch (HRC type SFU) at main incoming from CESC / SEB to be fixed on MS angle framework & 2 nos. cable end box including necessary interconnections
2	MAIN PANEL BOARD S/I/T/Commissioning of Main Distribution Panel as per given below: - 440 Volts AC, 3 Phase, 50 Hz with 50 KA fault level for 1 second, Floor / Wall mounted, 7 tank cleaning process with duly powder coated with copper bus bar. Incomer : 100 Amps 4P MCCB of 35 KA breaking capacity - with LED type phase indicating lamp, Digital voltmeter, Ammeter with selector switch with required CT unit, Danger Notice Board indicating sign (DANGER) in English, Hindi, Bengali. Outgoing : 63/40 Amps TPN MCB - 3 Nos., 40 Amps DP MCB - 4 Nos., 40 Amp TPN Changeover-1 No., 100 Amp TPN Bus bar Chamber-1 No.
3	DISTRIBUTION BOARDS (All MCBs to be "C" series)
a	Providing and fixing 12 way SPN double door UPS DB with incomer 1 no. 40 Amps DP MCB controlling 10 nos. 16/10 Amp SP MCB Complete.
b	Providing and fixing 12 way SPN double door LIGHT DB for LIGHT POINTS with incomer 1 no. 25 Amps DP RCBO controlling 10 Nos. 6/10 Amp SPMCB Complete.
c	Providing and fixing 4 way TPN double door AC DB for A.C. POINTS with incomer 1 no. 63 Amps 4P MCB controlling 12 no. 10/16 Amp SPMCB, keeping other space as spare Complete.
d	Providing and fixing 4 way TPN double door POWER DB for RAW POWER POINTS with incomer 1 no. 40 Amps 4P MCB controlling 12 no. 16/10 Amp SPMCB Complete.
e	Providing and fixing 63 Amps TPN Isolator with Cut Out DB (For Master Switch controlling light, AC, power point etc. excluding UPS distribution) near Branch entrance location.
4	UPS INPUT/ OUTPUT 63 Amps/40 Amps DP MCB in MS enclosure box
5	CABLES
a	Providing and placing in position, testing and connecting 1.1 KV grade XLPE Al armoured cable 3.5-C x 35 sq. mm. with 2 Nos 10 swg GI ECC by GI bar and saddles on wall/floorpass. Cable to be for <u>Main switch to Main Panel</u> . Including all necessary terminals etc. complete.
b	Providing and placing in position, testing and connecting 1.1 KV grade Cu cable 4-C x 16 sq. mm. with 2 Nos 10 swg GI ECC by GI bar and saddles on wall/floorpass. Cable to be for <u>DG to Main Panel</u> Including all necessary terminals etc. complete.
c	Providing and laying 4 x 6 sq. mm. & 2 x 4 sq. mm. FR PVC coated copper conductors (1.1 KV grade) in pvc rigid pipe/capping-casing on surface of wall duly clamping with necessary fittings and accessories from <u>Main DB to AC DB</u> . Including all necessary terminals etc. complete.

Sl No.	Description Of Item
d	Providing and laying 4 x 6 sq. mm. & 2 x 4 sq. mm. FR PVC coated copper conductors (1.1 KV grade) in pvc rigid pipe/capping-casing on surface of wall duly clamping with necessary fittings and accessories from <u>Main DB to UPS Input</u> and <u>UPS Output to UPS DB</u> . Including all necessary terminals etc. complete.
e	Providing and laying 4 x 6 sq. mm. & 2 x 2.5 sq. mm. FR PVC coated copper conductors (1.1 KV grade) in pvc rigid pipe/capping-casing on surface of wall duly clamping with necessary fittings and accessories from <u>Main DB to POWER DB</u> . Including all necessary terminals etc. complete.
f	Providing and laying 2 x 6 sq. mm. & 1 x 1.5 sq. mm. FR PVC coated copper conductors (1.1 KV grade) in pvc rigid pipe/capping-casing on surface of wall duly clamping with necessary fittings and accessories from <u>Main DB to LIGHT DB</u> . Including all necessary terminals etc. complete.
g	Providing and laying 2 x 2.5 sq. mm. & 1 x 1.5 sq. mm. FR PVC coated copper conductors (1.1 KV grade) in pvc rigid pipe/capping-casing on surface of wall duly clamping with necessary fittings and accessories from <u>LIGHT DB to SWITCH BOARDS</u> . Including all necessary terminals etc. complete.
h	Providing and laying 2 x 2.5 Sq mm. & 1 x 1.5 sq. mm. FR PVC insulated multi stranded copper wire in suitable size pvc rigid pipe/capping-casing on surface of wall duly clamping with necessary fittings and accessories for <u>UPS DB To Computers</u> . Including all necessary terminals etc. complete.
i	Providing and laying 2 x 4 Sq mm. & 1 x 1.5 sq. mm. FR PVC insulated multi stranded copper wire in suitable size pvc rigid pipe/capping-casing on surface of wall duly clamping with necessary fittings and accessories for <u>AC DB To Starters/Outdoor Units & DB To Glow Sign Board</u> . Including all necessary terminals etc. complete.
6	CABLE TERMINATION
	Supplying, connecting the end terminations with copper cable lugs, Single Compression Brass Cable Glands, Tapping, Crimping etc. complete.
a	3.5 core 35 Sq mm Al. Armoured
b	4 core 16 Sq mm Al. Armoured
7	EARTHING

SI No.	Description Of Item
a	Earthing installations as per I.E. rules by making earth stations with 600 mm x 600 mm x 3.15 mm. thick copper plate electrode to be installed such that its top edge shall be at a minimum depth. of 3.0 meter below ground level after preparation of ground with charcoal and salt and connecting the MIP with 25 mm x 6 mm G.I. earth lead-in-strip directly in ground by bolting and then brazing to the copper Plate complete with G.I. bolts of suitable length double nuts and washers including supply and fixing of 50 mm dia. partly perforated G.I. pipe with funnel for watering arrangement. 3.0 m. long with 300 x 300 mm. casting plate connection to be fitted with bitumen, the electrode to be driven under G. L. to an av. depth of 3.15 m. The earthing installation should be provided with 300 mm x 300 mm and 300 mm depth inside dimension masonry inspection pit with C.I. hinged cover having locking arrangements, test link of size 150 mm length x 25 mm x 6 mm copper flat connected to copper earth lead-in-strip and restoring the surfaces duly rammed.
b	Providing and fixing Pipe Earthing (IS - 3043) 3.0m. deep with 40 mm. dia. GI pipe With perforations filled with alternate layers of Charcoal and salt. The item includes Funnel on top in brick masonry chamber with CI cover for watering purpose complete.
c	Providing and fixing Earth Bus Bar of 25 mm. x 6 mm. x 300 mm. complete with brass nut, bolt, washer & bus insulator.
d	Providing and fixing Copper Earth Wire 8 guage in pvc conduit in Floor / walls From pipe earthing to Main Panel Board Complete.
8	POINT WIRING
	Providing & fixing POINT WIRING for Ceiling and wall lights / fan. The item includes Circuit wiring from DB to the switch board with 2 x 2.5 sq. mm. PVC insulated copper conductor with 1.0 sq. mm. PVC insulated copper conductor for earthing in appropriate size of PVC conduits ISI mark, point wiring to be laid with 2 x 1.5 Sq. mm. PVC insulated copper conductor with all necessary accessories, such as saddles etc. on surface or embedded in wall, chasing the walls and making the surface neat afterwards. The item includes 6 Amp switch with all base plates & cover plates, M.S. box of same make etc. 3 plate ceiling rose to be provided for Exhaust fans complete. Each switch board should have at least 1 no. 5 Amp raw power socket. There will be at least 8 light points to be connected through UPS supply within banking hall area.
a	Providing and fixing point wiring with same pecifications as MAIN point wiring above : <u>one point to be controlled by one switch.</u>
b	Providing and fixing point wiring with same pecifications as MAIN point wiring above : <u>two points to be controlled by one switch.</u>
c	Providing and fixing power point for WALL / EXHAUST FAN points with 1 x 5pin 6Amp socket outlet to be provided at the location of fan
d	Providing & fixing Raw Power Point Includes 2 nos. 5 pin 6 AMP socket and 1 no 6 Amp switch etc. complete.
e	Providing & fixing Raw Power Point Includes 1 nos. 5 pin 15 AMP socket and 1 no 15 Amp switch etc. complete.

SI No.	Description Of Item
f	Providing & fixing Computer Plug Points with 4 Nos 5 pin 6 Amp sockets, 1 Nos 16 amp switch & one indicator lamp, complete with all necessary accessories. The switch and indicator to be located above the counter while sockets to be fixed below the counter.
g	Providing and fixing BELL POINTS on wall / partition with 2x1.0 Sq.MM copper conductor with call bell switch (Push Type) including ANCHOR call bell TRESSA Multi Tune Bell complete.
h	Providing and fixing Starter for AC consisting of : 15 Amp. Socket for plug, 12-18 Amp. Starter
i	Providing and fixing Glow Sign Board point including supply of timer, thro. separate 20 Amp. DP MCB with metal enclosure complete.
j	Providing and fixing AC timer, thro. separate 20 Amp. DP MCB with metal enclosure complete.
9	ELECTRICAL FIXTURES
	Item includes Providing, assembling, fixing, testing & commissioning Following Fixtures including all accessories, lamps & extension chords as maybe necessary complete. All LED / Flurescent fixtures (except down lighters) to be hung from the RCC ceiling by 20 KG grade adjustable GI chain & in NON False ceiling area they are to be hung by appropriate Down Rods.
a	Providing and Fixing Recessed mounted diffused optics high performance 2' X 2' LED luminaire of HAVELLS or similar with necessary LED lamp . (VENUS NEO Product code : LHEWDRP7PL1W034 with 34w LED 6000K or similar)
b	Providing and Fixing Recessed mounted LED spot light of HAVELLS with necessary LED lamp (15W LED 6000K) or similar. (Ceiling cutout ø 155 mm.)
c	Providing and Fixing Surface mounted luminaire suitable for HAVELLS or similar : PHOTON PLUS LED TUBELIGHT : product code : LHLDCLEXENL8X018 or similar with Lamp type 18W LED
d	Providing and Fixing Surface mounted LED Bulb Holder of HAVELLS with necessary LED lamp (12W LED 6000K) or similar.
e	Providing and Fixing wall mounted fans 400 mm. sweep
f	Supplying & Fixing of exhaust fan heavy duty industrial type Crompton 225 mm sweep with 1400 RPM.
10	TELEPHONE CABLING
a	S/I/T/Commissioning of 2 pair 0.51 sq. mm. telephone unarmoured cable in 32mm PVC pipe. (Make - Finolex / Delton / Polycab)
b	S/I/T/Commissioning of Telephone point with 1 No. of of RJ-11 socket, 1 Module Plate & Modular Box as per instructions of the Architect/Consultant.
c	S/I/T/Commissioning of telephone Junction box 10 pair krone type housed in MS box with Lock & key.
11	DATA CABLING
a	providing and fixing IOU (information outlet unit) of AT & T make including squre face plate MS housing box with RJ-45 socket etc complete
b	Providing and fixing data points with CAT-6 UTP cable from system room to individual points in 20mm PVC conduit fixed on wall, ceiling, partition etc. complete
c	Providing and fixing Mounting (PATCH) cords one per port.

SI No.	Description Of Item
i	1.0 m. long
12	Making temporary connections for lighting, raw power, ups power, lan etc. for smooth and continuous banking functioning during renovation / suffling of tables etc. [whole work to be considered as one job]
13	BUY BACK : Dismantling of existing Wiring, Light Fittings, Fan, DB etc. including Buy Back of the same as instructed by the Architects/Bank & removing all from the site. (minimum offered price should be Rs. 5,000/-)
	TOTAL

APPROVED MAKE OF MATERIALS

1	Switch fuse units (HRC)	LEGRAND / SEIMENS / HAVELLS
2	Timer (TSQ 100)	L & T / HAVELLS
3	Voltmeter & Ammeter	A. E. / IMP
4	Voltmeter & Ammeter selector switches	KAYCEE / L & T
5	Phase indicating lamp	Vaishno / SIEMENS / ROSS controls
6	Capacitor	CROMPTON / SIEMENS
7	HRC fuses	GE power / SIEMENS / L & T / SCHNEIDER
8	Power Cable : XLPE	FINOLEX / POLYCAB/HAVELLS / NICCO
9	HRC fuse base & carriers.	GE power / SIEMENS / L & T / SCHNEIDER
10	1.1 KV grade PVC insulated armoured aluminium cable (ISI marked)	GLOSTER / NATIONAL / NICCO / HAVELLS
11	1.1KV / 600V grade PVC insulated & sheathed / insulated	FINOLEX / HAVELLS
12	RCCB / ELCB / MCCB	LEGRAND / SEIMENS / HAVELLS
13	Moulded case circuit breaker	LEGRAND / SEIMENS / HAVELLS
14	RCCB / ELCB	LEGRAND / SEIMENS / HAVELLS
15	Switch fuse with rewirable fuses. (6A & 32A TPN)	LEGRAND / SEIMENS / HAVELLS
16	Isolator	LEGRAND / SEIMENS / HAVELLS
17	Changeover switch (on load type)	LEGRAND / SEIMENS / HAVELLS
18	MCB distribution board	LEGRAND / SEIMENS / HAVELLS
19	6/16 Amp modular type switch / flushed type plug socket	Gold Medal / CRABTREE
20	6/16 Amp modular switch / socket, module plate & mounting M.S. / PVC box.	Gold Medal / CRABTREE
21	16/25 Amp., 2 module electronic regulator	Gold Medal / CRABTREE
22	Ceiling rose	KAY / EPP / ANCHOR / JJ
23	Holder	KAY / EPP / ANCHOR / JJ
24	Alarm bell	KHERAJ / GETCO
25	Black enamelled Steel conduits (conforming to IS in all respects)	BEC / SUPREME / AKG
26	Compression type brass gland	DOWELLS / JOHNSON / COMET
27	Cable termination socket	DOWELL'S
28	Light fitting & lamps	PHILLIPS / HAVELLS
29	Ceiling / Wall Mounted Fan	CROMPTON / ORIENT / HAVELL'S
30	Exhaust fan	CROMPTON / ORIENT / HAVELL'S
31	Industrial type socket & top	HAVELL'S / CROMPTON / LEGRAND
32	Telephone wire	FINOLEX / RRK / NATIONAL
33	Starters	NORTH WEST / CABTREE
34	All other items not covered above	As per sample approved by Employer/Consultant