

ELECTRIFICATION OF INDIAN OVERSEAS BANK BRANCH AT AYIROOR VARKALA

Document: Estimate

SI	ITEM DESCRIPTION	UNIT	QTY	RATE	TOTAL AMOUNT Rs.
1	Metering Cubicle And Changeover				
a	Supply, Installation, testing and commissioning of 100A centre off 4 pole changeover switch in dust and vermin proof, wall mounting enclosure.	Each	1		
	DBs and Accessories				
2	Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 V, TPN MCCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 A, tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCBs (but without MCBs and incomer) as required.				
a	8 way , Double door	Each	1		
3	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)				
	12 way , Double door	Each	2		
4	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)				
a	8 way (4 + 24), Double door	Each	3		
	ELECTRICAL CUTT OFF (DB)				
5	Supplying and installing 8 Way SPN MCB Distribution board with neutral bar, earth bar, cables ties, top and bottom removable gland plate and with necessary adopter boxes if any. The DB should be double door with provision of MCB etc. as required including cutting of wall and plastering the same with neat finish including supply and installation of two numbers 63A FP MCB	Each	1		
6	Supplying and fixing FP sheet steel enclosure on surface/ recess along with 40 A, 415 V MCB Isolator complete with connections, testing and commissioning etc. as required.	Each	2		
7	Supplying and fixing of MCB protected sockets on surface /recess along with 25A SP MCB complete with connections,testing and commissioning etc as required. (For Split AC)	Each	3		
8	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
a	Single pole	Each	76		
b	Triple pole	Each	6		
c	40A TP MCB	Each	2		
9	Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as required.	Each	16		
10	Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.				
	100 A, 16 KA,TP MCCB	Each	1		
11	Supplying and fixing following rating, four pole, 415 V, Isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
a	40 A	Each	2		
12	Supplying and fixing following rating, four pole, (three phase and neutral), 415 V, residual current circuit breaker (RCCB), having a sensitivity current in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
a	40A 30mA	Each	1		



13	Supplying and fixing following rating, double pole, 240 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
a	25A	Each	4		
14	Supplying and fixing FP sheet steel enclosure on surface/ recess along with 40A, 415 V FP MCB Isolator complete with connections, testing and commissioning etc. as required.	Each	2		
15	Supplying and fixing of 25A DP Changeover in enclosure, including connections, testing and commissioning etc. as required.	Each	2		
16	Supplying and fixing of 24 hrs Timer in ATM	Each	1		
17	Supplying RYB indicating lamps (One set) on suitable enclosure and wiring for the same, including installing in a suitable location for identification of power status.	Set	1		
	Cabling & End Termination				
18	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 kV grade of following size on wall/ceiling surface as required.				
a	Upto 35 sq. mm (clamped with 1mm thick saddle)	Meter	135		
19	Supply of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 kV grade of following size				
a	4C 25Sq.mm Al	Meter	60		
b	4C 10 Sq.mm Al	Meter	45		
c	2C 6 Sq.mm Al	Meter	30		
20	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 kV grade as required.				
a	4 C 25Sq.mm Al	Each	4		
b	4C 10 Sq.mm Al	Each	10		
c	2C 6 Sq.mm Al	Each	6		
	Wiring				
21	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.				
a	Group B	Each	24		
b	Two Light controlled by 1no.6A switch	Each	18		
c	6A Socket Combined	Each	12		
22	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.				
a	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	Meter	470		
b	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	Meter	365		
c	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	Meter	185		
d	4 X 6 sq. mm + 2 X 6 sq. mm earth wire	Meter	12		
e	4 X 10 sq. mm + 2 X 6 sq. mm earth wire	Meter	10		
23	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.				
a	3 x 1.5 sq. mm	Meter	40		
24	Supplying and drawing following pair 0.5 mm dia FRLS PVC insulated annealed copper conductor, unarmored telephone cable in the existing surface/ recessed steel/ PVC conduit as required.				
a	2 Pair	Meter	240		
25	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.				
a	20mm	Meter	100		
b	25mm	Meter	50		
26	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.				



a	3 pin 5/6 A socket outlet	Each	10		
b	Telephone socket outlet	Each	14		
27	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required.				
a	1 or 2 Module (75 mmX75 mm)	Each	14		
28	Supplying and fixing following Modular base & cover plate on existing modular metal boxes etc. as required.				
a	1 or 2 Module	Each	14		
29	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 A modular socket outlet and 5/6 A modular switch, connections etc. as required.	Each	16		
30	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 A & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.	Each	3		
31	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3nos of 6 pin 5/6 A modular socket outlet and controlled by 2 nos 6 A modular switch, connections etc. as required.	Each	12		
32	Installation, testing and commissioning of wall bracket /ceiling fittings of all sizes and shapes containing upto two GLS/CFL/LED lamps per fitting, complete with all accessories including connections etc. as required.	Each	42		
33	Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required.	Each	1		
34	Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable etc. as required.	Each	4		
35	Installation of exhaust fan, including charges for cutting wall opening, making good the damage, connection, testing, commissioning etc. as required.	Each	4		
Earthing					
36	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 meter long etc. with chemical as required. Earthing as per IS3043	Each	4		
37	Supply and drawing No.10 SWG copper 0.6m below ground including excavation and re filling for earth lead.Earthing as per IS3043	Meter	80		
38	Providing and fixing No.10 SWG copper on surface or in recess for loop earthing along with existing surface/ recessed conduit/ submain wiring/ cable as required.Earthing as per IS3043	Meter	180		
39	Supply and Providing tinned copper earth bench using 25x3 mm copper strip (25cm in length)	Each	1		
Fixtures					
40	Supply of 36/38W LED 600x600mm light fixture including all control electronic driver circuit.	Each	16		
41	Supply of 18W square LED light fixture including all control electronic driver circuit.	Each	1		
42	Supply of 18W round LED light fixture including all control electronic driver circuit.	Each	10		
43	Supply of 20/18W LED 4ft light fixture including all control electronic driver circuit.	Each	12		
44	Supply of 12/14W LED 2ft light fixture including all control electronic driver circuit.	Each	4		
45	Supply and Installation of 5W/Mtr LED strip including control driver circuit and giving connection as required.	Meter	40		
46	Supply of 1200mm BLDC ceiling fan	Each	4		
47	Supply of 450mm sweep wall fan	Each	7		
48	Supply of 305mm exhaust fan.	Each	2		
49	Supply and installation of 20 Pair telephone main distribution board with chrone connector .	Each	2		
NETWORKING					



50	Supply and Installation of Wall Mount 9U x 550 W x 450 D , Front Glass ,Door with Lock, 2 pairs of 19" Mounting Rails :- Standard Accessories :- 1U Cable Manager, Roof Mounted Fan Unit / 90 CFM /230V AC, 6 Way 5 Amp Power Distribution Unit, Mounting Hardware	Each	1		
51	Supply and Installation of network switch 24 x 10/100/1000BASE-T PoE ports ,4 x Gigabit RJ45/SFP Combo ports,Advanced L2 switching and security features L2+ Static Routing Optional "standard mode" or "surveillance mode" management user interface 193 W PoE budget Web Smart Switch	Each	1		
52	Supply and Installation of 24 Port Fully Loaded Patch Panel with RJ 45 Keystones confirming TIA / EIA 568 standards	Each	2		
53	Supply and laying of Cat6 Copper Cable 300 Mhz Unshielded twisted pair confirming TIA / EIA 568 Category 6 Cabling System with Reference Standards - UL Subject 444, EIA/TIA- 568 B.2.1, ISO/IEC 11801 & IEC61156 with PVC conduits of appropriate sizes and appropriate runs through conduits, conforming to IS 9537/1983 with all accessories duly clamped/consealed including all labour charges complete.	Each	340		
54	Supply and Installation of Dual port Information I/O outlets with keystone fixed on faceplates and fixed on surface mount pvc boxes.	Each	12		
55	Supply and Installation of Cat6 UTP 24AWG factory crimped PATCH CHORD made out of 300 Mhz Unshielded twisted pair confirming TIA / EIA 568 Category 6 Cabling System with Reference Standards - UL Subject 444, EIA/TIA-568 B.2.1, ISO/IEC 11801 & IEC61156 of 2 Meter	Each	24		
					Total amount
					Round off Rs.

(Rupees Eight Lakh Forty Seven Thousand Two Hundred and Fifty Six only)

Inclusive of 18% GST

	Approved Makes:
1	DBs & Accessories :
	Legrand / L&T / ABB
2	Modular Switches & Accessories:
	Legrand Arteor / MK Wrapround Plus
3	1.1kV LT XLPE Cables:
	Polycab/Finolex/RR Cabel/Universal
4	FRLS Cu Wires :
	Polycab/Finolex/RR Cabel
5	Light Fixtures:
	Wipro/CG/Philips
6	BLDC Ceiling Fan/Exhust Fan/Wall fan:
	CG/Almonard/Orient
7	Data Rack & Accessories:
	D Link or equivalent
8	Medium gauge PVC Conduit & Accessories
	Balco/Precision



Estimate of items for Air Conditioning works of Indian Overseas Bank - Varkala Branch					
(All rates to be quoted excluding GST)					
Sl. No	Description	Qty	Unit	Rate Excl. GST (Rs./unit)	Amount (Rs.)
A	MACHINES				
1	Supply, Installation, testing commissioning (including transportation) of inverter type air conditioners comprising of outdoor unit with SCROLL/ROTARY Compressor, isolating valve, copper condenser & evaporator coils , air cooled condenser fans, thermostatic control, safety cut-outs, vibration pads with single outdoor and Indoor unit with 3 row cooling coil, 20Micron filter including remote controller and ODU fins. Note: The Hi-Wall Split Air Conditioners unit should be of 5 Star Rated and Cassette AC's should be of minimum 3 star rated in energy efficiency as per Bureau of Energy Efficiency (BEE) Cost should include standard length of 3m copper pipe. Approved Makes: CARRIER, DAIKIN, BLUESTAR, MITSUBISHI, O'GENERAL, VOLTAS, LLOYD. Make and Model Number to be specified in column given. Installation including all required accessories & with One or more times pressure testing with nitrogen at company specified psig for each unit, leak testing, rectification, vacuumisation, gas charging, testing & commissioning and balancing of each unit to satisfy that there are no leakages & satisfactory operations. Rate including ceiling/wall mounted suspension Kit etc complete				
a	1. 0 TR Hi-wall Split type AC unit (Make-) (Model-)	2	E		
b	3.0 TR Cassette type Split type AC unit (Make-) (Model-)	2	E		
	Total Cost of Machines (AC units), A				
2	Refrigerant piping for units – Supply, installation, testing & commissioning of suitable swg copper refrigerant piping for suction & return of suitable dia with complete fittings, elbow, bends, supporting arrangement (Make- Nissan, Merchant) MET tube, Totaline tube, pre pressure tested tube. The sizes given shall be verified by Supplier for adequacy and size based on manufacturer standards. (Standard length of 3 m not to be considered). Insulation – providing Nitrile rubber insulation 19mm thick class "O" closed cell fire retardant super Lan, Armaflex make (Standard length of 3 m not to be considered). The sizes given shall be verified by Supplier for adequacy and size based on manufacturer standards. Rate to include insulation cost.				
a	1. 0 TR Hi-wall Split type AC unit	24	M		
b	3.0 TR Cassette type Split type AC unit	35	M		
3	Drain piping				
	SITC of CPVC drain piping insulated out of 6mm thick closed cell nitrile rubber class material of approved make as per specification complete with supports, consumables, fittings, pipe sleeves, U trap & leak arresting of following sizes. finished with clad or poly shield covering. Complete as directed by Architect/Bank. Make- Finolex, Precision				
a	1. 0 TR Hi-wall Split type AC unit	10	M		
b	3.0 TR Cassette type Split type AC unit	40	M		
4	Communication Cable –				
	SITC of suitable communication cable of ISI Mark from Indoor to outdoor units for all the units. (Standard length of 5 m supplied not to be considered). Make - Finolex, Polycab				
a	1. 0 TR Hi-wall Split type AC unit	10	M		
b	3.0 TR Cassette type Split type AC unit	42	M		
5	Supply and installation of MS powder coated stand for outdoor units				
a	1. 0 TR Hi-wall Split type AC unit	2	E		



b	3.0 TR Cassette type Split type AC unit	2	E		
6	Rate for trenching of wall/ floor with covering the same with cement mortar 1:4 mix. In line level. Rate should be inclusive of making necessary holes including core cutting as required for taking out copper piping, electric cables upto the Outdoor AC Unit. Complete in all respects with finishing.	1	LS		
	Total Cost of Low side works (Rs.) Excl. GST, B				₹ 0.00
	GST on Cost of Machines				₹ 0.00
	GST on Cost of low side works				₹ 0.00
	SITC of Units Total = (A + B)(Rupees Four Lakh Ninety Nine Thousand One Hundred And Ninety Nine Only)				₹ 0.00

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FURNISHING OF INDIAN OVERSEAS BANK, VARKALA BRANCH

Sl. No	Description	Qty	Unit	Rate/ Unit	Amount
BANKING AREA					
1	Entrance Door Twin Style Aluminium fully glazed Double Door (150 x 210) .				
	Providing and fixing 210 cm high fully glazed Aluminium partition with Entrance Door to the bank . The door and fixed portions shall be Made of Aluminium Powder Coated Twin Style frame work of Size:- 10 x 5 cm, 25 Gauge, on top and bottom and of 50 micron Blue colour matt finish infilled with 12mm edge polished toughened glass with dark Silicon (SAINT GOBAIN or MODIGUARD) . Doors to be provided with 450mm H type SS handles of approved make, heavy duty floor spring with double swing control (Dorma 75V or equivalent) supporting 80 kg and glass to glass lock. Door opening size:- 75cm x 210 cm x 2 Nos. Vinyl Film strips of frosted glass finish to be pasted on the glass as per design along with Logo of Indian Overseas Bank.	3.5	Sq. Mts.		
2	Fixed glazing on the side of entrance door - 12mm thick toughened glass in twin style frame				
	Providing and fixing 210 cm high fully glazed Aluminium partition to the bank . The fixed portions shall be Made of Aluminium Powder Coated Twin Style frame work of Size:- 10 x 5 cm, 25 Gauge, on top and bottom and of 50 micron Blue colour matt finish infilled with 12mm edge polished toughened glass with dark Silicon (SAINT GOBAIN or MODIGUARD).	2.00	Sq. Mts.		
3	Manager Cabin Partition- Partially glazed				
	Providing and fixing Double skin partitions upto bottom of true ceiling with/ without glazing using hardwood frame work of size :- 2 " x 1 1/2" (2 ft'c/c) bothways covered on both sides with 6 mm BWR plywood (IS 303 grade) finished with 1mm lamination of approved colour & pattern as per the design given in the drawing. 10mm thick toughened glass to be fixed in front partition and 8 mm plain glass to be fixed on the side partitions. The partition shall have additional frames to fix Doors of specified size as per drawing. Vinyl Film strips of frosted glass finish to be pasted as per design on the fixed glass. (Note: Measurements will be taken only upto false ceiling level)	11	Sq. Mts.		
4	Partly glazed partition for Cash Counters including door upto 2.1m height with aluminium deco grill on top				



	Fabricating and fixing partly glazed partitions of double skin type on side and back of the Cash Counters of 210 cm height made of 2" x 2 (2 ft'c/c)Aluminium frames covered on both sides with 6mm BWR plywood (IS 303 grade)pasted with 1mm thk laminate, and 8mm glass panels inserted within. The glass panels shall be in two pieces and have a gap of 5cms in the middle and fixed with beechwood reapers.The facing edges & top of partition to be pasted with 1mm thk laminate. The 12mm front glass shall be considered as a separate item. All edges of glass to be rounded and polished.	12	Sq. Mts.		
	The side partitions shall have openings to fix 30cms x 40cms x 8cms wooden tray for passing transaction slips. The cash cabin shall be provided with a half door of 60 cms width. This door shall be opened outwards and shall have ss hinges with ISI mark, Godrej night latch, SS handles and door stopper etc. All wooden beadings shall be scraped well and sand papered to smooth finish after applying sealer. The wooden members shall then be applied with two coats of satin finish polyurethane polish. Vinyl Film strips of frosted glass finish to be pasted as per design on the fixed glass.				
5	Double sided solid non glazed partition for wicket gate, above entrance door, above BM cabin and partitions near wicket gate				
	Fabricating and fixing solid partitions of double skin type made of 2" x 2 (2 ft'c/c)Aluminium frames covered on both sides with 6mm BWR plywood (IS 303 grade)pasted with 1mm thk laminate.	29	Sq. Mts.		
6	12 mm toughened glass in front of Cash Counters and running Counter				
	12mm toughened glass in front of Cash counters, supervisor table & gold , 75cms high above the ledge for swc and 30 cms high above table height for Counters The swc glass shall be of two pieces horizontally and shall be fixed with a horizontal gap in between for carrying voice. This shall be fixed to the side partitions and table tops with D brackets. An opening 25cms x 15 cms in cash cabin for transactions shall be provided in the front of the lower piece of glass. Vinyl Film strips of frosted glass finish to be pasted as per design.	4	Sq. Mts.		
7	Bison Panel partition for Separating records room, dining room, toilet passage & inside strong room (excluding doors) upto bottom of True ceiling				



	Providing & fixing Rectangular Aluminium sections of 2" x 1" size medium gauge at 20" - 22" c/c and both sides covered with 6mm thick Bison Panel Cement boards including additional frames for fixing doors. The partition should withstand its weight. The joints shall be sealed with tape and finished with putty to appear jointless. The partition shall be finished with good quality emulsion paint over a layer of putty to be smoothly sanded , and a coat of primer etc.complete.The partition shall be extended upto true ceiling or bottom of beam.	44	Sq. Mts.		
8	Column Cladding				
	Cladding the columns upto false ceiling height by fixing 25mm x 12mm tw screeds at 60cm spacing and covering with 8 mm BWR (IS 303 grade) plywood pasted with 1mm laminate as per drawing.	13.0	Sq. Mts.		
9	Doors				
a)	Partly Glazed Flush Door in front of Managers Cabin 90 cms x 210 cms with 8mm toughened glass				
	Fabrication and fixing of Flush door, with a core made of hardwood of size 2" x 1 1/4" covered with 6mm BWR (IS 303 grade) plywood on both sides and pasted with laminate. The door shall be provided with 8mm toughened glass inserts as per drawing. The plywood shall be pasted on both sides with laminate as per pattern given and the door shall have a 6mm thick Beechwood edge beading. The glass is to be fixed with 1/2" x 1 1/2" beechwood reapers polished to finish with PU coating. Doors to be provided with heavy duty Door closers (EBCO/Godrej /DORMA) Mortice lock with latch, SS Tower Bolts, SS hinges and SS handle (EBCO/ Godrej / DORMA). Vinyl Film strips of frosted glass finish to be pasted on the glass as per design along with Logo of Indian overseas Bank.	1.00	Nos		
b)	Semi glazed flush door For side of Managers Cabin 80cms x 210cms. Fabricating and fixing Flush Door similar to above with Glass panel of 6mm thickness provided in the upper half. Both sides of the door shall be laminated with 1mm thick laminate as per the drawing. Door closer (Everite/Godrej), Mortice lock, SS tower bolts , SS Hinges and 8" SS Handle of approved make to be fixed to the frame as per instructions etc. Vinyl Film strips of frosted glass finish to be pasted on the glass as per design	1.00	Nos		

c)	Semi glazed Aluminium doors Shutter to have 50 mm x 44.5 mm powder coated medium guage Aluminium sections (Indal/Jindal) for horizontals (at top and at +100 level) and verticals with 100 mm x44.5 mm frame at the bottom. the door shall be panelled with both sides laminated MDF panel in the lower half and 6 mm float glass for the upper half etc as per the design of the drawing. Door closer (Everite/ Godrej), Mortice lock and powder coated Aluminium handle fixed to the frame, tower bolts etc. as per instructions to be provided.				
i)	90 cm x 210 cms (Inside strong room)	2.00	Nos		
ii)	80 cm x 210 cms (Entry to toilet Area)	1.00	Nos		
iii)	75 cm x 210 cm	0	Nos		
d)	Flush Doors in Partitions				
	Fabrication and fixing of Flush door, with a core made of hardwood of size 2" x 1 1/4" covered with 6mm BWR (IS 303 grade) plywood on both sides and pasted with 1mm laminate. The door with 90 cms shall be provided with 6mm plain glass inserts of size 30 cms x 90 cms (Vision Glass). The plywood shall be pasted on both sides with laminate as per pattern given and the door shall have a 6mm thick Beechwood edge beading. The glass is to be fixed with 1/2" x1 1/2" beechwood reapers polished to finish with PU coating. Doors to be provided with heavy duty Door closers (EBCO/Godrej /DORMA), Cylindrical lock (EBCO/Godrej /DORMA), SS Handles, SSTower Bolt, Door stopper,SS Hinges etc.				
e)	Semi glazed double door for entry to strong room passage 120(90+30)cms x 210cms.	1.00	Nos		
	90cms x 210 cms (Entry to Records Area	1.00	Nos		
	80cms x 210cms. (Entry to Dining)	1.00	Nos		

10	BANKING COUNTERS & FURNITURE All Tables to be of 75cms height and to be made out of 18mm thick plywood (BWR IS 303) of Greenply/ Anchor/ approved make, covered with 1mm thick laminate of approved colour and design on the top and all visible sides. The front portion to have a 8mm thk plywood fixed as in the design provided and stuck with 1mm suede finish laminate of approved colour. All exposed edges of the plywood and the bottom of table shall have 12mm thick beechwood beading. The exposed edges of the table top to be edge banded with matching colour. The Inner sides to be painted to a smooth finish with good quality enamel paint (ICI/Dulux or eqlt.) over a coat of wood primer and 2 coats of putty sand papered to smooth finish. The wood portions shall be smoothly sand papered and polished with satin finish polyurethane finish (Asian/Sleek), over two coats of sealer.				
	All tables shall have a storage unit of 40cms width on one side (right / left side as appropriate) consisting of three nos lockable drawers . A 2" dia SS pipe to be provided as footrest and a 10" wide shelf made of 18mm BWR ply on one side to be fixed on the footrest to place C P U. Drawers to be made out of 12mm thick plywood, fixed on telescopic roller sliders (EBCO / or approved make) and painted inside with 2 coats of enamel paint over 1 coat of smooth putty finish. A keyboard tray of size 70cms x 40 cms made of 18mm thick plywood covered with 1mm thick laminate moving on Telescopic sliders to be provided below table top at the centre, with a wire manager fixed on the top to draw cables. Plywood shall be of Green / Anchor/ or approved make.				
a)	Manager's table of size 180 cms x 90 cms x75 cms				
	Manager's table of size 180 x 90 cms made out of 19mm plywood with drawer unit on left side with 10mm clear sheet glass (St. Gobain / Modifloat) with edge polished to be provided on top of the Table.	1.00	Nos		
b)	Officer's table of size 150cms x 75cms x75 cms				
	Table for Officer of size 150cms x 75cms Drawer unit shall be as per general specifications mentioned above in sl.no 9. The table shall be provided with a 10mm clear glass top (St.Gobain/ Modifloat) with edge polished, placed above the laminated table top.	0.00	Nos		



c)	Cash table of size 150cmx90cm with worktop at 75cms height and Transaction Ledge at +105cms height				
	Cash counter tables of size 150cms x 90 cms x 75cms (l x b x h) supported on 19mm BWR IS 303 grade plywood on both ends and 12mm plywood for the front. SWC's shall have a keyboard tray and a CPU stand on the left side. The top shall also be of 19mm plywood pasted with 1mm thick laminate of blue colour. A transaction ledge also made of 19mm plywood laminated with 1mm thk laminate shall be provided above the counter with top of ledge at 105cms height from floor level on the customer side. The drawer units shall have separators made of 6mm plywood painted to smooth finish to store different denominations of currency.	1.00	Nos		
d)	Auditor table of size 120cmx 75cmx 75cm	1.00	Nos		
e)	Running counters of 75 cms width				
	Providing & fixing low counter with 19 mm thk BWR grade plywood finished with 1mm laminate on all visible areas & Inside area given enamel paint after priming, puttying and a base coat complete. Each set has three pullout drawers of 40 cm width provided with Adequate locks & handles ,Keyboard trays, CPU trolley and SS footrest . All the table tops shall have provision for cable managers of approved shade.	10	Rmts		
11	Side Table				
a)	Side table (105 x45) for Manager of 60cms height consisting of lockable shutters sliding on good quality rails. (Refer detail in drawing)	1.00	Nos		
b)	Side table (120 x45) for Single window counter & cash of 60cms height consisting of a lockable shelf (45 cms wide), on the left side and a drawer & open shelf at the right. (Refer detail in drawing)	1.00	Nos		
c)	Side table (75 x45) for Officers of 60 cms height consisting of one lockable shutter on the left side and a drawer and shelf on the right side. (Refer detail in drawing)	6.00	Nos.		
12	Pantry Counter				
	Pantry Counter of 50 cms wide. Top and vertical supports to be made of 19mm plywood and top shall be provided with 19mm thk granite slab. Edges shall be rounded and polished. An additional open shelf shall be given underneath for storage and all inner surfaces shall be painted with enamel paint over a coat of primer and smooth putty finish.	3	Rmts		
13	Office Storage System - 100cm height				



	Fabricating & fixing office storage system with 19mm plywood for sides and shutters & 6mm plywood backing, with edges fixed with 6mm teakwood lipping. The unit shall be provided with one or more intermediate shelf inside as per drawing. All exposed surfaces of plywood shall be laminated with 1 mm thick laminate of approved colour and all exposed edges to be fixed with edge banding of matching colour. All necessary fixtures like, Cupboard locks, 3" SS handles, brass hinges, and magnetic shutter catches etc to be provided. The internal surfaces shall be painted with two coats of enamel paint over a coat of primer.	2	Sq. Mts.		
13b	Office Storage System - full height-260 cms	14	Sq. Mts.		
14	Writing Table with slip holder, complaint & suggestion box (Writing Top height at 105 cms.) 100 cms x 30 cms				
	Providing and fixing wall mounted writing table cum slip storing ledge at the customer area at a suitable location. The writing table shall be wall mounted and have two boxes (cheque drop/suggestion) extending below on two ends. (refer drawing). The unit shall be equipped with slip keeping slots made of 12mm plywood and writing surface at the top made up of 12mm glass .The side supports of the unit shall be made of 19mm thick plywood and backside with 8mm plywood and laminated with 1mm thick matt finished laminate. The unit shall be fixed to the wall at a height of 105 cm with wooden plugs, screws etc . Cheque drop box/ suggestion box provided below the writing ledge shall be provided with slots for dropping cheques and complaints and the shutters shall have 6mm vision glass panels and shutters to be fitted with SS handles, SS hinges, locks, etc complete.	1.00	Nos.		
15	Vertical Blinds				
	100mm Vertical blinds for windows in managers cabin and banking hall, using imported single stemrunner, operating chain , link chain and U S A pat P78712 control unit. The headrail must be powder coated slimline aluminium channels, a 3-way shaft using which the vanes rotate 180deg , and move . The fabric must be water & oil repellent (scotch guard) and the bottom weight shall be galvanised.	2	Sq. Mts.		
16	Notice board				



	Providing and fixing to the wall , notice board of size 0.90 m x 1.20 m, with 12 mm BWR grade plywood as base with 12 mm soft board pasted on to it and covered with felt/ furnishing cloth of approved blue colour. The board shall have polished TW 1/2" x 1 1/4" beading all around including cost of all materials , labour charges etc complete	1.00	Nos		
17a	FALSE CEILING: Suspended stepped ceiling using Gypboard (refer drawing for false ceiling) .				
	Providing and fixing stepped suspended false ceiling with Gypboard of 12.5mm thick to the suspended grid formed of perimeter channel of size 20 x 27 x 30 mm (MF6A) and intermediate channel of size 45 x 15 x 0.9 mm (MF7) The G.I. Ceiling section of size 80 x 26 x 0.5 mm (MF .5) shall be provided across the intermediate channel at intervals not more than 475 mm c/c at bottom and the same shall be fixed by GI connections clips of 2.64mm dia at integration points. The Ceiling channels shall be provided with a minimum overlap of 150mm at ends and fixed to the perimeter channels. Only horizontal measurements will be taken for bill calculation. Step/vertical area cost to be included.	17	Sq. Mts.		
	The suspended strap hangers to be connected with G.I soffit cleat of size 37 x 27 x 25 x 1.5 mm thick and to be fixed on to the roof slabs/beams by using metal expansion fasteners of 12.5 mm dia to a length of 35 mm. The suspender supporters shall be provided at intervals not more than 1200 mm c/c Additional perimeter channels have to be provided around the cut for light fitting A/C diffusers etc. Additional support for cut outs to be provided at no extra cost. The Gypboard shall be fixed to the under side of the suspended grid by using 25mm long dry wall screws. The joints shall be finished with joint paper tape and jointing compound of India Gypboard Ltd. and providing necessary plaster of paris /putty.				
	After preparing the surface, Gypboard surface has to be painted with two coats of emulsion of approved make and shade over a coat of putty and primer. Rate shall include making necessary cuttings for light fittings AC diffusers and other fixtures. No deductions shall be made for the opening and no extra payment made for forming any opening up to 0.5 sqm(per opening)				



	The work shall be carried out as per the manufactures specifications using cold rolled Gypsteel and Sypsum boards manufactured by Gypsum India Ltd.				
	FINISHED PLAN AREA, EXCLUDING THE VERTICAL DROPS (upto min. ht of 20 cms) WILL BE MEASURED FOR PAYMENT. AREA OF VERTICAL DROPS MORE THAN 20cms HEIGHT WILL BE ADDED TO THE PLAN AREA.				
17b	Mineral Fibre Grid Ceiling				
	Providing and fixing Mineral Fibre Grid False Ceiling System with reveal edge. The frame work made out of hot dipped galvanized steel section, rotary stitched main tee of size 15mm x 42 mm web height, having 0.36 mm gauge at every 600 mm centre to centre maximum and rotary stitched cross tee of size 15 mm x 42 mm, having 0.33 mm gauge at every 600 mm. c/c. and wall angle of size 19 x 19 mm., having 0.35 mm gauge fixed to the periphery of the wall. The above grid is suspended at every 600mm c/c. in both directions using 2.0 mm. thick pre-straightened GI wire laying fine fissured micro look with silhouette grid ceiling tiles of size 595mmx595mmx15mm having NRC 0.55, surface having 3 coats of white paint with Fine Fissured, back of the tile duly sanded and finished with a coat of protective paint all etc. complete as directed by the Bank's Engineers	37	Sq. Mts.		
18	Glass banner with Bank's Name and Logo				
	Providing and Fixing Banner using 12 mm thick Toughened Glass fixed on SS Studs of 1" diameter and 1" spacing. The banner shall be stickered with Bank's name and Logo, at the designated proportions at the front surface and with frosted film at the back surface.	0.6	Sq. Mts.		
19	Painting with Putty				
	Providing and Applying two or more coats of Emulsion Paint over 2 coats of putty and 2 coats of primer of approved make over internal walls of banking hall and manager cabin. Appropriate surface preparation shall be carried out as per the company specification.	87	Sq. Mts.		
20	Painting without Putty				
	Providing and Applying two or more coats of Emulsion Paint over 2 coats of primer of approved make over internal walls and ceilings of strong room, dining, ups, records room and toilet etc. Appropriate surface preparation shall be carried out as per the company specification.	338	Sq. Mts.		
21	Enamel Painting				



	Providing and Applying two or more coats with synthetic enamel paint of approved brand and shade to give an even shade including primer, preparing the surface with sand paper, scaffolding, cost of brushes etc for rolling shutters, grills etc.	71	Sq. Mts.		
A	Total for Interior Work Of Banking area				0.00



ATM AREA					
1	ACP covering for Rolling shutter				
	Supplying and fixing Aluminium framework using 25mm x50 mm x1.5 mm square aluminium sections in the front, sides and bottom of rolling shutter and covering with 3mm ACP of approved colour on the sides that are visible. The bottom panel should be hinged and openable for maintenance of Rolling Shutters. and rates shall be including all accessories hinges, handles, ballcatches, etc., complete.	0	Sq. Mts.		
2	Entrance Door with fixed glass on side- Twin Style Aluminium fully glazed single door (90 x 210cm)				
	Providing and fixing 210 cm high Entrance Door 90 cms x 210 cms to the ATM . The door and fixed portions shall be Made of Aluminium Powder Coated Twin Style frame work of Size:- 10 x 5 cm, 25 Gauge, on top and bottom and of 50 micron Blue colour matt finish infilled with 12mm edge polished toughened glass with dark Silicon (SAINT GOBAIN or MODIGUARD) . Doors to be provided with 450mm H type SS handles of approved make, heavy duty floor spring with double swing control (Dorma 75V or equivalent) supporting 80 kg and lock. Door opening size:-90 cm x 210 cm x 1 Nos. Vinyl Film strips of frosted glass finish to be pasted on the glass as per design along with Logo of Indian Overseas Bank.	0	Sq. Mts.		
3	Fixed glazing on the side of entrance door - Twin style aluminium fully glazed partition in front of Managers Cabin.				
	Providing and fixing 210 cm high fully glazed Aluminium partition to the bank . The fixed portions shall be Made of Aluminium Powder Coated Twin Style frame work of Size:- 10 x 5 cm, 25 Gauge, on top and bottom and of 50 micron Blue colour matt finish infilled with 12mm edge polished toughened glass with dark Silicon (SAINT GOBAIN or MODIGUARD).	0	Sq. Mts.		
4	Double skin partitions above entrance partition/door				
	Providing and fixing Double skin partitions above 210cm level upto bottom of true ceiling using hardwood frame work of size :- 2" x 1 1/2" (2 ft'c/c) bothways covered on both sides with 6 mm plywood finished with 1mm lamination of approved colour & pattern as per the design given in the drawing.	0	Sq. Mts.		
5	Single level Gypboard false ceiling at + 240 lvl				



	Providing and fixing stepped suspended false ceiling with Gypboard of 12.5mm thick to the suspended grid formed of perimeter channel of size 20 x 27 x30 mm (MF6A) and intermediate channel of size 45 x 15 x 0.9 mm (MF7)The G.I. Ceiling section of size 80 x26x0.5 mm (MF .5) shall be provided across the intermediate channel at intervals not more than 475 mm c/c at bottom and the same shall be fixed by GI connections clips of 2.64mm dia at integration points.The Ceiling channels shall be provided with a minimum overlap of 150mm at ends and fixed to the perimeter channels. Only horizontal measurements will be taken for bill calculation. Step/vertical area cost to be included.	0	Sq. Mts.		
	The suspended strap hangers to be connected with G.I soffit cleat of size 37 x27x25x1.5 mm thick and to be fixed on to the roof slabs/beams by using metal expansion fasteners of 12.5 mm dia to a length of 35 mm.The suspender supporters shall be provided at intervals not more than 1200 mm c/c Additional perimeter channels have to be provided around the cut for light fitting A/C diffusers etc. Additional support for cut outs to be provided at no extra cost. The Gypboard sha;; be fised top the inder side of the suspended grid by using 25mm long dry wall screws. The joints shall be finished with joint paper tape and jointing compound of India Gypboard Ltd. and providing necessary plaster of paris /putty.				
	After preparing the surface, Gypboard surface has to be painted with two coats of emulsion of approved make and shade over a coat of primer. Rate shall include making necessary cuttings for light fittings AC diffusers and other fixtures. No deductions shall be made for the opening and no extra payment made for forming any opening up to 0.5 sqm(per opening)				
	The work shall be carried out as per the manufactures specifcations using cold rolled Gypsteel and Sypsum boards manufactured by Gypsum India Ltd.				
	FINISHED PLAN AREA , EXCLUDING THE VERTICAL DROPS (upto min. ht of 20 cms)WILL BE MEASURED FOR PAYMENT. AREA OF VERTICAL DROPS MORE THAN 20cms HEIGHT WILL BE ADDED TO THE PLAN AREA.				
6	Painting with Putty				



	Providing and Applying two or more coats of Emulsion Paint over 2 coats of putty and 2 coats of primer of approved make over internal walls of banking hall and manager cabin. Appropriate surface preparation shall be carried out as per the company specification.	0	Sq. Mts.		
C	Total for ATM space				0.00
	Grand Total				
	GST @ 18% EXTRA				
	Rupees Thirteen lakh Twenty Four thousand Eight hundred and Sixty Five only				

LIST OF APPROVED MATERIALS FOR INTERIOR WORK

NOTE:-

1	No deviation permissible.				
2	Whenever Contractor proposes to use `equivalent makes` (i.e. other than specified) the same				
3	All material to be used shall be of first quality unless otherwise specified and as prescribed in				
4	Contractor shall produce proof of purchase and use of the approved material as prescribed				
Sl.No.	ITEM	MAKE			
1	Plywood – BWR 303 grade	GREENPLY/CENTURY/TROJAN			
2	Laminates	CENTURY/GREENLAM/NEWMICA/MERINO			
3	MDF	Green PanelMax /Bhutan Board			
4	Glass	Modiguard / Saint gobain			
5	HardWood -	Violet, Malaysian Venga, Pincado			
6	Door closer/Floor spring	Godrej/Everite/Hardwyn/Ozone/ Ebco			
7	Tower Bolts , Door hinges	SS of good quality			
8	Keyboards/CPU Trolley	Ebco make			
9	Locks/Handles (SS Matt finish)	Godrej/ Ebco/Dorset			
10	Storage shutter Hinges (Autoclosing)	Ebco / Hettich or equivalent			
11	Drawer Slides	Ebco / Hettich or equivalent			
12	Footrest	SS pipe			
13	Emulsion paint	Asian paint / Berger			
14	Enamel paint	Asian paint / DULUX			
15	Vertical blinds	MAC /Vista			

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