

PROPOSED ELECTRICAL WORKS FOR INDIAN OVERSEAS BANK -KANNAMANGALAM BRANCH					
S.No	Description Of Work	Qty	Unit	Rate	Amount
A	Supply, Installation & Commisioning of the following				
1	MAIN DB(6 WAY VTPN DB)				
	Three Phase, 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 provisioin of MCB & MCCB etc. as required including cuting of wall and plastering the same with neat finish. It comprising as flolows:-				
	Incomer : 1 X 125 A 3P MCCB, 25Ka				
	Outgoings, 10ka rating:				
	63A TP MCBs - 1No for ACs 40A TP MCBs- 4 Nos for UPS, Ligthing, Rawpower etc	1.00	Set		
2	AC Distribution Boards - 6WAY TPN DB				
	Three Phase, 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 provisioin of MCB etc. as required including cuting of wall and plastering the same with neat finish. It comprising as follows:-				
	Incomer : 1 X 63A 4P MCB				
	Outgoings:				
	25/32 Amp SP MCBs- 13 Nos	1.00	Set		
3	LIGHTING DB-1nos (12 WAY SPN DB)				
	12 Way SPN 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 provisioin of MCB etc. as required including cuting of wall and plastering the same with neat finish. It comprising as follows:-				
	Incomer : 40 A 4P MCB				
	Outgoings:				
	16/10A SP MCBs- 9 Nos	1.00	Set		
4	UPS DB (12 WAY SPN DB)				
	12 Way SPN 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 provisioin of MCB etc. as required including cuting of wall and plastering the same with neat finish. It comprising as follows:-				
	Incomer : 32 A 2P MCB				

S.No	Description Of Work	Qty	Unit	Rate	Amount
	Outgoings:				
	16/10A SP MCBs- 10 Nos	1.00	Set		
5	Inverter DB (8WAY SPN DB)				
	8 Way SPN 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. It comprising as follows:-				
	Incomer : 20A DP MCB				
	Outgoings:				
	10A SP MCBs- 6 Nos	1.00	Set		
6	Supply&Installation of the following with the necessary Powder coated metal enclosure.				
	a) 25 A DP MCB for Strong Room/ Fire Alarm System	2.00	Set		
	b) 63A FP MCB-UPS I/P(Branch)	2.00	Set		
7	Supply&Installation of the following with the necessary Weather proof PVC enclosure and adapter box if necessary.				
	a) 40 A DP MCB for UPS O/P	2.00	Set		
8	Supply & Installation of 3 Pin 25A Metal Clad Socket with top in a specified company manufactured box with				
	25A DP MCB for AC to be kept in EB room	7.00	Set		
9	Supply and fixing of RYB Indicator Lamp with enclosure	1.00	Set		
10	Supply and fixing of Rotary Switch with RYB Indicator Lamp with enclosure including Point wiring from LDB, AC DB, UPS DB	1.00	Set		
B	LT CABLES				
	Supply & Laying of the following cables in built up trenches, on wall, or in the ground as per the case				
	may be, with proper clamping with necessary fixing materials etc., Installing testing and commissioning of UG Cable				
11	3.5 Core X 35 Sqmm Aluminium Armored cable+ 8Swg Copper Wire (Meter to Main Panel)	35.00	Mtr		
12	4 Core X 25 Sqmm Aluminium Armored cable+ 8Swg Copper Wire (Main Panel to AC DB)	15.00	Mtr		
C	End Termination of the above cables with proper Glands				

S.No	Description Of Work	Qty	Unit	Rate	Amount
	Lugs, etc.,				
13	3.5 Core X 35 Sqmm Aluminium Armored cable	2.00	Nos		
14	4 Core X 25 Sqmm Aluminium Armored cable	2.00	Nos		
D	WIRING				
15	Light/Fan point wiring with 3 Runs of 1.5 sqmm flame 25/20MM PVC conduit with Bend, Couplings, etc., And fixing with clamps screws etc.All conduits to be laid above the false ceiling / partition / concealed in the wall etc. Wiring to be connected with supply and Fixing of 6A Modular type switch with suitable Modular plate and Metal Box (Approx True Ceiling Ht - 11'0")				
	a) One light Controlled by One Switch	35.00	Pts		
	b) Two Lights Controlled by one Switch	22.00	Pts		
	b) Three Lights Controlled by one Switch	8.00	Pts		
	d) 6A Switch box Sockets in the switch board itself	13.00	Pts		
	e) Exhaust Fan points	3.00	Pts		
	f) Ceiling fan with Step Type Regulator point	4.00	Pts		
	g) Wall Fan Point (1X5A Switch and 1X5A Sockets including inverter wiring)	7.00	Pts		
	h) Calling Bell Push with Bell (Remote will not accept)	1.00	Set		
16	Supply & Wiring with FRLS multi stranded copper wire for Circuits, Computer Points, Power points within 25/20MM FRLS PVC conduits with all necessary accessories and with proper clamps and to be concealed below the false ceiling				
	It comprises as follows:-				
	a) 2Runs of 2.5Sqmm +1Run 1.5Sq.mm FRLS multi stranded copper wire in FRLS PVC conduit (from LDB to switch box/ Sign Board)	240.00	Mtr		
	b) 2Runs of 2.5Sqmm +1Run 1.5Sq.mm FRLS multi stranded copper wire in FRLS PVC Raw Power points to be provided for cash cabin, manager cabin & alternate points in running counter (minimum 3 points in one circuit)	230.00	Mtr		
	c) 2Runs of 2.5Sqmm +1Run 1.5Sq.mmFRLS multi stranded copper wire in FRLS PVC Computer points(minimum 3 points in one circuit)	210.00	Mtr		

S.No	Description Of Work	Qty	Unit	Rate	Amount
	d) 2 Runs of 4 Sqmm copper wire + 1R 2.5 Sq.mm FRLS multi stranded copper wire in FRLS PVC conduit - For CMS Split AC & ATM Split Acs/ ATM UPS	120	Mtr		
	e) 2 Runs of 6.0 Sqmm copper wire + 1R 4.0 Sqmm copper wire in PVC conduit - Main Panel to LDB, RPDB and ATMS i/p/ ATM i/p	60	Mtr		
	g) 4 Runs of 6.0 Sqmm copper wire + 1R 4.0 Sq.mm Copper in PVC conduit for Main Panel to AC DB/ LDB, RPDB	30	Mtr		
	h) 4 Runs of 10.0 Sqmm copper wire + 1R 4.0 Sq.mm Copper in PVC conduit for Main Panel to AC DB	8	Mtr		
E	POWER POINT OUTLETS				
17	Supply & Installation of 3 Nos of 6A Sockets controlled by 2 Nos of 6A Switches modular type housed in a PVC box with PVC cover plates. The boxes to be fixed either in wall or partitions/ work stations below working top. UPS	7.00	Set		
18	Supply & Installation of 2 Nos of 6A Sockets controlled by 1 Nos of 6A Switch modular type housed in a PVC box with PVC cover plates. The boxes to be fixed either in wall or partitions/ work stations below working top. Raw power	7.00	Set		
19	Supply & Installation of 1 No of 16A Sockets controlled by 1 No of 16A Switch modular type housed in a single manufacturers zinc passivated PVC box with PVC cover plates. The boxes to be fixed either in wall or partitions/ work stations below working top.	6.00	Set		
20	Supply & Installation of 5 Nos of 6A Sockets controlled by 1 Nos of 16A Switches modular type housed in a MS box with PVC cover plates. The boxes to be fixed either in wall or partitions/ work stations below working top.	2.00	Set		
F	LIGHTING FIXTURES				
21	Supply , Fixing & Commissioning of 2'0"x2'0" Recess mounted 36 W LED minimum 3600 Luminaire lights with complete PMMA diffuser including Drives and on Mineral Fibre Ceiling.	10.00	Set		
22	Supply , Fixing & Commissioning of Ceiling suspended LED Square Ring Profile light (Philips, Wipro)- 600mm x 600mm of 30 W with Power LED Drives, 3Ft high-grade adjustable hanging SS wire, necessary all accessories, fixing arrangements. Basic Cost should not be less than Rs.5000	2	Nos		

S.No	Description Of Work	Qty	Unit	Rate	Amount
23	Supply , Fixing & Commisioning of Ceiling suspended LED Profile light Power LED Drives, Aluminium cabinet Profile necessary all accessories, fixing arrangements	5	Rm		
24	Supply, Fixing & Commisioning of 15W high efficiency LED downlighter 1125 luminaire with flushed diffuser including necessary fixing brackets.	15.00	Set		
25	Supply, Fixing & Commisioning of 11W high efficiency LED downlight 825 luminaire with flushed diffuser including necessary fixing brackets.	4.00	Set		
26	Supply, Fixing & Commisioning of Surface Mounted 4'0" - 1 x 20W LED Fittings(Batten type) with necessary accessories, etc.,	8.00	Set		
27	Supply, Fixing & Commisioning of Ceiling Mounted 9W LED Fittings with necessary accessories, etc.,	3.00	Nos		
28	Supply, Fixing & Commisioning of LED rope light of approved colour with complete set of necessary accessories, to install the cove of partition / false ceiling,. The fittings should be supported with necessary clamps. Make - Havels, Philips, wipro, Chrompton	20.00	Rmt		
29	Supply, Fixing & Commisioning of 1200mm Ceiling Fan to be fixed on existing / erected clamps with necessary down rods and with all fixing accessories etc.	6.00	Nos		
30	Supply, Fixing & Commisioning of 305mm Sweep heavy duty Exhaust fan by providing necessary cutting on walls including plastering, painting works etc if required.	3.00	Nos		
31	Supply and fixing Wall Mounting fan with clamp	0.00	Nos		
G	EARTHING				
32	Providing dedicated earthing with 600 X 600 X 1mm copper plate along with 50mm dia.3 Mtr long G.I pipe with other accessories in the earth filled with necessary salt,charcoal,etc. It should be covered with G.I/ Premasoned Cement Plasteted Manhole cover with necessary civil works.etc Dedicated Earth for UPS	1.00	Set		
33	Providing general earthing with 50mm dia. 3 Mtr long G.I pipe with other accessories in the earth filled with necessary salt,charcoal,etc. It should be covered with G.I Manhole cover with necessary be covered with G.I/ Premasoned Cement Plasteted Manhole cover with necessary Civil Works, etc.,Body earth for Panels, DB	2.00	Set		

S.No	Description Of Work	Qty	Unit	Rate	Amount
34	Supply and installation of 10 Sqmm multi strand copper wire Flame retardant PVC insulated to be drawn in 20mm dia PVC conduit and to be clamped on wall with GI clamps and terminations at both ends (For UPS earthing)	50.00	Mtr		
35	Supply and installation of 6 Sqmm multi strand copper wire Flame retardant insulated to be drawn in 20mm dia PVC conduit and to be clamped on wall with GI clamps terminations at both ends (For Body earthing)	45.00	Mtr		
H	TELE COMMUNICATION:				
36	Supply & Laying of 2pair telephone cable in the 25/20 MM PVC conduit for all telephone points	220.00	Mtr		
37	Supply & Laying of 20 pair telephone cable in the 20MM PVC conduit for all telephone points.	180.00	Mtr		
38	Supply & Fixing of RJ 11 Telephone Sockets, Face	8.00	Set		
39	Supply & Installation of 20 Pair KRONE Box with Enclosure	1.00	Set		
I	PVC CONDUITS FOR DATA CABLING:				
40	Supply & Laying of 25mm dia PVC conduit and makinng holes in the aluminium partitions/wall Concealing, Civil Works, all accessories as required	250.00	Mtr		
41	Supply and installation zinc passivated MS box for installing RJ-45 outlts in wall/ patitions etc	20.00	No		
42	Supply and installation cat 6 cable	200	Mtr		
43	9U wall mount rack complete with accessories and power tray	1	No		
	Patch Card				
44	1mtr	6.00	Nos		
45	2Mtr	6.00	Nos		
	ELECTRICAL WORKS TOTAL::EXCLUDING GST 18%				
	ELECTRICAL WORKS TOTAL::INCLUDING GST 18%				