

TENDER**DILIP KULKARNI & ASSOCIATES** - ARCHITECT - INTERIOR, LANDSCAPE DESIGNER & SURVEYOR.

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REF NO.: - BOB - TEN- VAKOLA SANTACRUZ (E) BRANCH -03052018/DKA/03-05-2018.

NAME OF CLIENT: - **BANK OF BARODA- BRANCH & E LOBBY**

ADDRESS: - VAKOLA PIPE LINE, VAKOLA SANTACRUZ EAST BRANCH, MUMBAI.

NATURE OF WORK: - **ELECTRICAL WORK**

Note - Rate shall be quoted Exclusive of all Taxes & Duties Etc.

SR	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	Main Distribution Panel				
	Incoming :				
	1No. DPX 160A, 36KA 3pole MCCB with Rotary Handle LED type phase indicating lamps, with HRC Base & Fuses. 100x100mm Danger Notice Board in English & Marathi. Digital multi function Energy Meter Rishibha 3420 or equivalent with CTs Class 1.0, 15va, 200/5A				
	Outgoing:				
	100A TP MCCB - 1 Nos for A.C. section				
	63A TP MCB - 8 Nos for Lighting, Raw Power, UPS INPUT, TP AC & SPARE				
	32A DP MCB - 3 Nos & 1No. Spare. Voltmeter, Ammeter with selector switch & Neon lamp. Supply, Installation, Testing & Commissioning of capacitor bank 25 KVAR 4 stage APFC panel with 100Amp. MCCB with microprocessor based relay & auto / manual control. (Capacitor malde make)	Set	1		
	* RATE IN WORDS -				
2	Cabling				
	Supplying and laying on walls or columns or partition or ceiling using G.I. Spacers and G.I.				
	Saddles / G.I. Clamps made from G.I. strips, the following PVC insulated, 1.1 KV grade, armoured and overall sheathed copper / aluminium conductor cables made to IS : 1554(Part I) 1976.				
	The rate also to include providing identification tags, at each end of the cable (the identification tag shall mention the size of the cable and the names of panels on either ends). The rate to include testing & commissioning.				
a	3.5 core x 95 sq.mm Aluminium armoured cable with 2Runs of 8SWG copper earth.	Mtr	30		
	* RATE IN WORDS -				
b	4 core x 25 sq.mm copper armoured cable with 12SWG Cu. Earth wire (UPS SYSTEM)	Mtr	15		
	* RATE IN WORDS -				
c	4 core x 16 sq.mm copper armoured cable with 12SWG Cu.	Mtr	40		
	* RATE IN WORDS -				
d	4 x 16 sq. mm copper flexible cable	Mtr	15		
	* RATE IN WORDS -				

SR	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
e	4c x 6 sq.mm cu arm cable	Mtr	45		
* RATE IN WORDS -					
3	End Termination				
	Supply and making end terminal joints to the following 1.1 KV grade PVC insulated armoured overall sheathed copper /aluminium conductor cables, using nickel plated Siemens type brass cable glands, copper compression type cable sockets (no lugs / sockets necessary for cables of size 6 sq.mm and below), PVC insulating tapes etc.				
a	Termination of 3 ½ core 95sq. mm cable	Nos	6		
* RATE IN WORDS -					
b	Termination of 4 core 16sq. mm cable	Nos	10		
* RATE IN WORDS -					
c	Termination of 4 core 10/6 sq. mm cable	Nos	12		
* RATE IN WORDS -					
4	Computer Wiring				
1	MINIATURE CIRCUIT BREAKER DISTRIBUTION BOARD:				
	Supplying, installation and commissioning the following: MCB DBs incorporating MCB /isolator and 10 KA rupturing capacity MCB's as outgoing, Note that for SPN DBs there will be a 2 pole isolator or DB MCB and copper busbars, A separate neutral link shall be provided, having not less than 12 ways / 8 ways for 12 way / 8 way DBs etc. The DB shall be fabricated from 16 swg M.S. sheets and powder coated. The earthing studs. The DB enclosures shall be of same make as that of the MCBs. The DB may be surface mounted using 40mm x 40mm x 3mm M.S. angles (duly painted with two coats each of red oxide primer and enamel paint of approved shade) or Aluminium channel				
	The above complete with copper busbar, neutral bars, internal wiring and circuit identification chaty duly filled in. DOUBLE DOOR TYPE				
a	63 A FP MCCB 25 kA in MS Box for UPS INPUT & OUTPUT NEAR UPS	Nos	2		
* RATE IN WORDS -					
b	6way TPN DB	Nos	1		
	Incomer : 40 A FP MCB - 1 No 40 AMP FP CHANGE OVER MCB TYPE -1 NO Outgoing: 10/16A SP MCB - 12 Nos				
* RATE IN WORDS -					
c	6 way TPN DB - Lighting	Nos	1		
	Incomer : 40 A FP MCB - 1 No Outgoing: 32A DP ELMCB 100Ma - 3 Nos 10 to 20A SP MCB - 12 Nos				
* RATE IN WORDS -					

SR	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
d	4 way TPN DB -AC & UPS	Nos	2		
	Incomer : 40 A FP MCB - 1 No Outgoing: 32A DP ELMCB 100Ma - 3 Nos 10 to 20A SP MCB - 12 Nos				
* RATE IN WORDS -					
5	Cable Wiring				
a	Supply & installation of point wiring for UPS or stabilised power plug points on work station , tables for computers using 3C X 2.5 sqmm copper conductor, PVC insulated & overall Pvc sheated flexible cables pulled through already laid floor raceways & taken up to table top using PVC conduits or casing capping run within wooden / metal partitions	Mtr	250		
* RATE IN WORDS -					
6	Switch Socket Accessories				
a	8 module Plate & Box with 16A switch - 1 No & 6A 5 Pin Socket 3 Nos – Anchor Roma -complete set for UPS.	Nos	12		
* RATE IN WORDS -					
b	3 module Plate & Box with 6A switch & Socket 5 pin – Anchor Roma - complete set for Raw Power	Nos	12		
* RATE IN WORDS -					
c	3 module Plate & Box with 16A switch & Socket – Anchor Roma - complete set for UPS / Raw Power	Nos	15		
* RATE IN WORDS -					
7	EARTHING				
a	Providing earth station as per IS : 3043 of 1966 (or as per latest amendment) with copper plate electrode (600mm x 600mm x 3 mm thick) at a depth of 1500 mm. The rate to include excavation, construction of inspection chamber, 25mm dia. 'B' class G.I. Watering pipes with reducer and funnel, C.I. Cover, salt and charcoal etc.	Nos	2		
* RATE IN WORDS -					
b	1C x 16 sq.mm copper cable through 20 mm G.I. conduit for UPS System (Dedicated earth).	Mtr	40		
* RATE IN WORDS -					
c	50x3mm G.I. strip for Body Earth	Mtr	40		
* RATE IN WORDS -					
8	Supply and laying Raceways/Conduits in the trenches as detailed above or through partitions with all accessories ,bends, pullwire etc. but excluding the floor mounted junction boxes which shall be paid separately. The metal /PVC conduits/ Raceways shall be earthed with copper earthing clips at suitable intervals. The distance between the data conduits and power conduits shall be maintained at least 8” apart.				
a	25mm PVC conduits medium gauge for data cables and power.	Mtr	250		
* RATE IN WORDS -					

SR	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
b	1 Nos of 80 mm x 38 mm Aluminium section, 1.6 mm thick.	Mtr	50		
* RATE IN WORDS -					
9	Supplying and fixing MS junction boxes of 16 guage with top removable stainless steel plate of 16 guage . The junction boxes shall be spray painted with anti rust treatment. The junction boxes shall have knock-outs on all sides suitable for Raceways / conduits. The knock out shall be removed at site as per requirements. The junction boxes shall be laid in enches for Raceways / conduits as detailed as above. The top cover shall be fixed with counter sunk screws. (for floor trenches)				
a	250 mm x 250 mm x 50 mm	Nos	12		
* RATE IN WORDS -					
10	CABLE TRAYS				
	G.I. Perforated type Cable Tray made out of 14 SWG MS sheet steel of 150mm width and 50 mm height with cover with two sets of GI Full threaded 6mm GI Bolts, Nuts and two numbers of 50mm Anchor Fasners duly installed on slab.	Mtr	10		
* RATE IN WORDS -					
11	PART IV – LIGHTING AND POWER				
1	SWITCH CONTROLLED				
	Supply & installation of concealed point wiring using 600 V grade 2.5 sqmm copper conductor PVC Conduit pipe insulated wire (with proer RYB Colour code) laid concealed over fall ceiling or in wall chases, including 1.5 sqmm green colour earth wire & provision of mouldlar grid plate type switches & sockets as per below configuration :				
	Note 1) Cost of Anchor Roma switches and box included along with the point rates, including circuit. 2) Not more than 4 plug points to be looped on 1 circuit				
a	Lighting Primary points for lights & fans	Nos	30		
* RATE IN WORDS -					
b	Lighting secondary points – 2 no. on one switch	Nos	55		
* RATE IN WORDS -					
c	Independent plug point 5 A	Nos	3		
* RATE IN WORDS -					
d	Plug point same board 5 A	Nos	5		
* RATE IN WORDS -					
e	Bell point with Buzzer	Nos	1		
* RATE IN WORDS -					
f	Bell point with Luminous indicator bell	Nos	1		
* RATE IN WORDS -					
12	PART V – AIR CONDITIONING				
a	3 X 4 mm copper armoured cable.	Mtr	150		
* RATE IN WORDS -					
b	Gland Termination for 3 x 4 mm cable	Nos	16		
* RATE IN WORDS -					
c	A/c box in B1 with 20 A SP MCB and 20 A metal clad	Nos	8		
* RATE IN WORDS -					
d	40Amp FP MCB with Water proof Box (hensel/scame make)	Nos	4		
* RATE IN WORDS -					

SR	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
13	PART VI – LIGHTING FIXTURES				
	Supply, installation & commissioning of following concealed/ surface mounted light fixtures of makes as specified or equivalent with all fixture accessories like suitable LED & DRIVER internal wiring etc. the contractor has to assemble & install the said fixture at position called for with necessary hardware required for installation like S- hook, chain link etc. as required or as per requirement of light fixture.				
1	Supply & Installation of 2' x 2' 40W LED Light fixture with Driver & all required accessories. The fitting shall be recessed mounted in false ceiling. CAT. NO. RC375-6500K	Nos	23		
* RATE IN WORDS -					
2	Supply & Installation of 15W LED Light Spot Light fixture with Driver & all required accessories. The fitting shall be recessed mounted in false ceiling. CAT NO. DN172B-6500K	Nos	45		
* RATE IN WORDS -					
	Supply & Installation of 6W LED Light Spot Light fixture with Driver & all required accessories. The fitting shall be recessed mounted in false ceiling. CAT NO. DN151B-6500K	Nos	5		
* RATE IN WORDS -					
3	Supply & Installation of LED LIGHT STRIP 6W / Mtr with Profile patti with cover for various areas for Cove Lighting inclusive of one driver for every 3 & 5.0 Mtrs or Part there off.	MTR	109		
* RATE IN WORDS -					
4	Supply & Installation of 22W LED Light Batten Patti with all required accessories.	Nos	5		
* RATE IN WORDS -					
5	Supply & Installation of 22W LED Zoom Light Outdoor type with all required accessories.	Nos	11		
* RATE IN WORDS -					
6	Decorative Light Fitting as per Architect Choice (Basic cost of @ 14000/-	Nos	4		
* RATE IN WORDS -					
7	48" ceiling Fan with Regulator & Fan Hook	Nos	4		
* RATE IN WORDS -					
8	16" Wall Fan	Nos	2		
* RATE IN WORDS -					
8	9" Exhaust Fan	Nos	3		
* RATE IN WORDS -					
14	PART VII – TELEPHONE WIRING				
1	Supply and fixing of 50 pair telephone MDF consisting of tag blocks in groups of 10 pairs krone, disconnecter type, complete with metal enclosures powder coated, krone tag block mounting arrangement, telephone distribution chart and locking arrangement (for EPABX) (Telephones and EPABX system will be provided by Client / Bank.)	Nos	1		
* RATE IN WORDS -					
	Supply and laying telephone cables 0.5 mm dia electrolytic tinned copper conductors PVC insulated and twisted pair with rip cord, as follows, through already laid PVC conduits. The rate shall not include cost of the PVC conduits.				
a	20 Pair	Mtr	40		
* RATE IN WORDS -					

SR	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
3	Termination of telephone cables on krone tag blocks complete with brass cable glands and identification chart as specified below.				
a	50 Pair	Nos	2		
* RATE IN WORDS -					
4	Supplying and laying 0.5 mm dia electrolytic tinned copper conductors PVC insulated and twisted pair with rip cord through already laid conduit / Raceways complete with connections. The rate shall not include the cost of Raceways/ conduits.1 no. of 2 pair cable	Mtr	500		
* RATE IN WORDS -					
5	1 No. RJ 11 telephone socket	Set	12		
* RATE IN WORDS -					
6	2 Nos. RJ 11 telephone socket	Set	1		
* RATE IN WORDS -					
15	PART VIII – DATA CABLING				
1	Supply & laying of CAT – 6 cable through already laid raceway	Mtr	600		
* RATE IN WORDS -					
2	Supply & fixing of surface mounted SINGLE I/O with face plate inclusive of termination.	Nos	20		
* RATE IN WORDS -					
3	Supply, installation, termination & testing of 7 feet patch cable	Nos	12		
* RATE IN WORDS -					
4	Supply, installation, termination & testing of 3 feet patch cable.	Nos	12		
* RATE IN WORDS -					
5	Testing & certification of data outlet & UTP cable etc	Nos	20		
* RATE IN WORDS -					
6	Supply & Installation of 24 Port Patch Panel.	Nos	1		
* RATE IN WORDS -					
7	Supply & Installation of 24 Port 10 to 100 MPS Switch	Nos	–	–	–
8	Supply & Installation of 9U Rack with standard Accessories & Exhaust fan & Spike Guard Tray.	Nos	1		
* RATE IN WORDS -					
TOTAL					
ANY DISCOUNT IF YES / NO					
TOTAL					
CGST 18 %					
SGST 18 %					
GRAND TOTAL					
The Job Must Be Handed Over 06 Weeks					
* Cost Inclusive of all taxes such as VAT, Sales Tax, Govt. Tax., Local Taxes, Octroi, Transportation,					
Loading - Unloading expenses . Excise duty etc. without charging increase in price of material Labour. Till bids					
or Completion of Project and including Local Authorities Permission.					
* Contractor must submit the PHOTOGRAPHS of existing place & finished work before submitting the Final Bill.					
* Each and every R.A. Bill deduction of 2.00% T.D.S., 8.00% RETENTION for every R.A. Bill or Directed by Govt. bodies as and					
when required without prior intimation.					
I CONFIRM					
CONTRACTOR FULL NAME & DETAIL ADDRESS					
SIGNATURE OF CONTRACTOR					