



PRICE BID- PART – II

**NAME OF WORK : FURNITURE/ELECTRICAL/AIR
CONDITIONING WORKS**

AT

**Bank of Maharashtra
Shop No. 7-12, Ground Floor, Shamim Residency,
Behind Owais Complex, Bombay Goa Highway,
Katta Corner, Banda, Distt.-Sindhudurg**



Name of Work : Furniture Work (Banda Branch)

TENDER FOR ELECTRICAL WORK FOR BANK OF MAHARASHTRA, BANDA BRANCH

BILL OF QUANTITY (BOQ)					
Sr.No.	Description	Qty.	Unit	Rate	Amount
	FURNITURE WORK:				
1	GYPSON BOARD FALSE CEILING :				
	Providing & fixing as per design with suspended false ceiling consisting of 12mm.thk.Gyp. board suspended on G.I. framework to consists of G.I. perimeter channels 0.55 mm thk. x 20mm .x 30mm. along perimeter of false ceiling; screw fixed to wall/partition with nylon sleeves & screws @ 600mm. dc. Suspending GI. Intermediate channels of size 0.9mm thk.x45mmx15mm. from the soffit at max. distance 1220mm. dc with ceiling angle 0.55mm. thk.x2n5mm.x10mm. Fixed to soffit using proprietary supplied GI. Cleats & steel expansion fasteners. Ceiling section 0.55mm thk. xweb size 51.5mm & flanges 26mm. Each & 10.5 mm. lips fixed perpendicular to intermediate channel at 457mm. c/c Gyp board is screw fixed to ceiling section with 25mm. drywall screws at 230mm. c/c. boards to be finished with proprietary supplied jointing tape & jointing compound & sand papered to achieve a smooth finish etc. Complete or as directed by the Architect/Bank. Gyp ceiling where necessary as normal specification Rate should include all types of cut-outs, grooves ,moulding & plain troughs for tube lights / Down Lighter as directed by the designer. Note: Where RCC Slab is old and concrete is weal, the GI suspended channel shall be fixed with epoxy chemical and necessary load test to be carried out before fixing Gypsum board fixing. Rate shall be inclusive of epoxy chemical and fixing of suspenders with chemical	310	Sft.		
2	ARMSTRONG FALSE CEILING:	476	Sft.		
	Providing and fixing of Armstrong make Mineral fibre Ceiling Boards in true horizontal level suspended on inter locking Grid system made of Hot Dip Galvanized steel sections powder coated XL -15 mm as per manufacturers specification including making opening for electrical and air conditioning fitting complete as directed. The tiles and grid system FRAMEWORK XL-15 mm Main Runner of 3000mm spaced at 1200mm centre fixed to soffit by approved hangers at 1200mm distance. First and last hanger should not be at a distance more than 450mm from the adjacent wall.XL-15 mm 1200mm cross Tee to be interlocked between Main Runner at 600mm centre to form 1200x600mm module 600mmx600mm module to be formed by fixing XL-15mm 600mm Cross Tee				

	<p>between centre of 1200mm Cross Tees.19X19 mm Wall Angle to be secured to wall at 450mm centers Suspension to be done by using 2mm pre-straightened GI wire using anchor fasteners.</p> <p>Make - Armstrong - ANS Micro & Supra fine XL frame work.</p> <p>Note: Where RCC Slab is old and concrete is weak, the GI suspended channel shall be fixed with epoxy chemical and necessary load test to be carried out before fixing Gypsum board fixing. Rate shall be inclusive of epoxy chemical and fixing of suspenders with chemical</p>				
3	LOW LEVEL PARTITION FOR CUBICALS:				
	<p>Providing and fixing low height partition up to 5'height made out of 50 mm*50mm 18mm Gauge aluminium frames at 2' C/C vertically & horizontally with 6mm thick commercial plywood on both sides upto 3' height and above portion with 10mm toughened glass Finished with 1.00 thick laminate of approved shade and design. Basic rate of 6mm thick ply: ----- -- Rs . 33/-sft. Basic rate of Laminate; ----- Rs.35/- per sft</p>	32	Sft.		
4	SEMI GLAZED PARTITION WITH DOOR - BM CABIN				
	<p>Providing & fixing 3" thick partly glazed partition with 10mm thick clear float glass for made up of 18 gauge 50x50 mm Aluminium section framework at 600 mm c/c both ways (or as directed by the Architect); 12 mm commercial plywood & 1 mm laminate from both sides. Partition should be finished with specified finish as per design. The rate includes providing 35 mm thick flush door finished with 1mm laminate of approved make/shade on both sides with necessary lipping patti polished. Rate includes all necessary hardware (i.e ball bearing hinges of approved make, door closure, Cylindrical Lock with key, Door stopper etc) Exposed edges of the partition should have 75x12 mm matching wood Patti with groove in between. All provisions to be made for all electrical, networking, telephone etc. boxes onto partition framework at required heights/levels with necessary additional supports &/or scaffolding as required. The rate includes all necessary hardware & cleaning of partition to the satisfaction of the Architect etc. complete Basic rate of 12mm thick ply: ----- Rs. 46/- per sft. Basic rate of Laminate; ----- Rs.35/- per sft</p>	192	Sft.		
5	SOLID PARTITION WITH DOOR IN SDV & CASH				
	<p>Providing & fixing 3" thick solid partition for made up of 18 gauge 50x50 mm Aluminium section framework at 600 mm c/c both ways (or as directed by the Architect); 12 mm commercial plywood & 1 mm laminate from both sides. Partition should be finished with specified finish as per design. The rate includes providing 35 mm thick flush door with necessary lipping patti polished. Rate includes all necessary hardware (i.e ball bearing hinges of approved make, door closure, Cylindrical Lock with key, Door stopper etc) Exposed edges of the partition should have 75x12 mm matching wood Patti with groove in between. All provisions to be made for all electrical, networking, telephone etc. boxes onto partition framework at required heights/levels with necessary additional supports &/or scaffolding as required. The rate includes all necessary hardware & cleaning of partition to the satisfaction of the Architect etc. complete</p>	115	Sft		

6	Solid Partition for UPS Room				
	<p>Providing & fixing 3" thick solid partition for made up of 18 gauge 50x50 mm Aluminium section framework at 600 mm c/c both ways (or as directed by the Architect); 12 mm commercial plywood & 1 mm laminate from both sides. Partition should be finished with specified finish as per design. Exposed edges of the partition should have 75x12 mm matching wood Patti with groove in between. All provisions to be made for all electrical, networking, telephone etc. boxes onto partition framework at required heights/levels with necessary additional supports &/or scaffolding as required. The rate includes all necessary hardware & cleaning of partition to the satisfaction of the Architect etc. complete Basic rate of 12mm thick ply: ----- Rs.47/- per sft. Basic rate of Laminate; ----- Rs.35/- per sft</p>	130	Sft		
7	Manager Table (5'0" x 2'6" x 2'6"):				
	<p>Providing & fixing table made up of 18 thk. Comm. Plywood frame with 10mm. thk. Clear glass on top. The table should be finished with 1.0 thk. Laminate on exposed plywood frame, inside edge of holes, polish from inside. The table shall be provided with single drawer, ply key board drawer ,ply C.P.U. trolley with ply footrest, wire manager ,& other required hardware. The glass shall have plain diamond edge polish on all four sides & hole for wire manager. The glass should cover the length of the table & width of side unit as shown in the drawing. Basic rate of 18mm thick ply: ----- Rs. 62/- per sft, . Basic rate of Laminate; ----- Rs.35/- per sft</p>	5	Rft		
8 a	Cash Counter / Single window counter:				
	<p>Providing & fixing cashier's counter of 4'9" height, 5' length and 2' 6 " width with 12mm thick toughened from 3' height in front elevation fixed with necessary brass studs. Counter to be made up of 18mm. thk. Plywood framework and open space for C.P.U. & small drawer above it on other side of Key Board drawer. The counter should have necessary holes of required sizes for wire managers. The toughened glass above service counter to have 5 inch dia hole. The service top of counter should have 19 mm marble/granite in a stepped pattern of approved shade chamfered on edges. The counter should have necessary passages & ledges for data cables, electrical cables and telephone lines. The counter should be finished with 1.0mm. Thk. Laminate of approved color & shade from external side and enamel paint from inside. All the exposed edges of plywood including lower edges should have lipping patti. Lipping patti should be finished in polish. The cost should include necessary hardware Moulding .handles & Godrej make drawer locks with common key for cash drawers, footrest etc. complete as per design. Drawers to be made of 12 mm thick comm. plywood and finished with laminate on front and enamel painted inside. Basic rate of 18mm thick ply: ----- Rs/sft, Basic rate of 12mm thick ply: --- ----- Rs /sft. Basic rate of Laminate; ----- Rs/sft</p>	4.75	Rft		

8 b	Officer/Clerk counter: 4'-0" x 2'-0"				
	Providing & fixing officers counter of 2'5" height, 5' length and 2' 6 " width , Counter to be made up of 18mm. thk. Plywood framework and open space for C.P.U. & small drawer above it on other side of Key Board drawer. The counter should have necessary holes of required sizes for wire managers. The counter should have necessary passages & ledges for data cables, electrical cables and telephone lines. The counter should be finished with 1.0mm. Thk. Laminate of approved colour & shade from external side and polish from inside. All the exposed edges of plywood including lower edges should have lipping patti. Lipping patti should be finished in polish. The cost should include necessary hardware Moulding .handles & Godrej make drawer locks with common key for cash drawers, footrest etc. complete as per design.	12	Rft		
9	Side Units:				
	Providing & fixing side unit made up of 18mm. thk. plywood framework & 6mm. thk. plywood as backing. Side unit should have 2 no. of drawers above & shutters below. Drawers should be made up of 18 thk. Plywood fascia, 12 thk. Plywood sides & 6 thk. Plywood bottom. Drawers should be mounted on heavy duty drawer sliders. Side unit should be finished with 1.0 mm. thk. Laminate of approved shade & colour on external surface & oil paint to non laminated surface. All exposed edges of 18 thk. & 12 thk. Plywood should have lipping patti All lipping patti's should be finished with paint/French polish on it. The cost should include necessary hardware, handles, Godrej make locks with common handles, Godrej make locks with common key for set of drawers etc. complete as per design. Drawers to be made of 12 mm thick comm. plywood and finished with laminate on front and enamel painted inside. Basic rate of 18mm thick ply: ----- Rs.62 /- per sft, Basic rate of 12mm thick ply: ----- Rs.46/ - per sft. Basic rate of Laminate; ----- Rs. 35/- per sft	10	Sft		
10	Storage Units:				
	Providing & fixing storage units made up 18 mm. thk. plywood framework, 6 mm. thk. plywood back as required as per design. Good quality blockboard shutters should be fixed on SS heavy hinges Storage units. should be finished with 1.0 mm. thk. laminate from external side & oil paint to non laminated surfaces. All exposed edges of plywood should have lipping patti on it. Lipping patti should be finished with French polish on it. The cost should include necessary handles, magnetic catches, Godrej make locks etc. complete as per design.	75	Sft		
11	Writing Desk				
	Providing & fixing writing desk made up of 18 thk. Double plywood supports as shown in the drawing. Plywood supports shall be finished in laminate on it. from both sides & to edges with groove (kani) at corners. The frame shall have 6mm thk. Plywood back & it should be finished with laminate. The desk shall have 12mm. thk. Clear glass with plain diamond edge polish & with round corners on front side. 12 thk. Glass shall be fitted with D-brackets on partition & rubber vacuums on	1	No		

	plywood supports. The desk shall have 8mm. thk. Clear glass with plain diamond edge polish from all four sides. This glass should be fitted on D-brackets. The writing desk will be of hanging type as shown in the drawing. The rate should be fitted on D-brackets. The writing desk will be of hanging type as shown in the drawing.				
12	Main Entrance Door with Partition				
	Providing & fixing main door & partition made up of 12 mm thk. Clear toughened glass shall be fixed in.Ozon / Enox make patch fitting with necessary hardware.With application of sealant from all sides. Edge polish for all exposed sides of glass. Complete as per design Door size 7'0" x 3'0" - Providing & fixing main door made up of 12 mm thk. Clear toughen glass shall be fixed in.Ozon / Enox make patch fitting with necessary hardware like floor spring, 12" S.S. finished decorative handle pair,& locking arrangement. Edge polish for all exposed sides of glass. Complete as per design	63	Sft		
13	Suggestion Box				
	Providing & fixing box made up 18 mm. thk. plywood framework, 6/12 mm. thk. plywood back as required as per design. Good quality blackboard shutters should be fixed on brass hinges should be finished with 1.0 mm. thk. laminate from external side & oil paint to non laminate ed surfaces. All exposed edges of plywood should have lipping patti on it. Lipping patti should be finished with French polish on it. The cost should include necessary handles, magnetic catches, Godrej make locks etc. complete as per design.	1	Nos		
14	Cheque Drop Box				
	Providing & fixing box made up 18 mm. thk. plywood framework, 6/12 mm. thk. plywood back as required as per design. Good quality blackboard shutters should be fixed on brass hinges should be finished with 1.0 mm. thk. laminate from external side & oil paint to non laminate ed surfaces. All exposed edges of plywood should have lipping patti on it. Lipping patti should be finished with French polish on it. The cost should include necessary handles, magnetic catches, Godrej make locks etc. complete as per design.	1	Nos		
15	Wooden laminate Paneling (ATM) upto 8'				
	Wooden laminate panelling with framing of Aluminium Tube sections of min 1.5" x 1" and 20 gauge 2'-0" C/C both ways. Mirror screws to be used. Joints to be finished with Silicon based sealant. laminate mm minimum of approved shade (As per Bank's Layout policy). ACP to be in 2' width panels or distributed equally. Shades to be as per bank's approval. Trap door will be 12 mm marine ply finished with laminate for rolling shutter wheel.	160	Sft		
16	Column panelling (3 nos.) - same as above	132	Sft		
17	ACP for outside façade but 4mm thk as per the standard specifications as above	200	Sft		
18	Work Table for Officers (4'6" x 2'6" x 2'6")				

	Providing & fixing table made up of 18 thk. Comm. Plywood frame. The table should be finished with 1.0 thk. Laminate on exposed plywood frame, inside edge of holes, polish from inside. The table shall be provided with single drawer, ply key board drawer ,ply C.P.U. trolley with ply footrest, wire manager ,& other required hardware. The glass shall have plain diamond edge polish on all four sides & hole for wire manager . The glass should cover the length of the table & width of side unit as shown in the drawing. Drawers to be made of 12 mm thick comm. plywood and finished with laminate on front and enamel painted inside Basic rate of 18mm thick ply: ----- Rs.62/- per sft, Basic rate of 12mm thick ply: ----- Rs.46/- per sft. Basic rate of Laminate; ----- -- Rs. 35/- per sft	9	Rft		
19	MIRROR IN TOILET BLOCK size 3'0x2'0				
	P& F mirror Modi float in toilet block with 6mm bevelled on edges and fixed on SS Studs. Size of mirror 2 Feet * 2 Feet	3	Nos		
20	NOTICE BOARD	1	No		
	P& F notice board of size 3'-0" x 3'-0" over the writing desk. The board shall be made in ply with soft board and felt cloth of blu colour as per the approval with tw framing finished with laminate as directed complete.				
21	Oil Bound Distemper Paint for gypsum ceiling				
	Providing and application of cement/acrylic based putty of 3 Coats, Sanding of the surface free of undulations, application of 1 coat of primer and 2 coats of Oil Bound Distemper paint of approved make and shade as per layout policy	310	Sft		
GRAND TOTAL					
Add SGST					
ADD CGST					
TOTAL AMOUNT					
<u>Note: 1. The contractor shall quote rate of whole item in BOQ considering the provided basic rate of material by bank. However, if bank approves the basic rate of material below the provided rate in the respective item, than the difference of amount for that item will be deducted accordingly or rate will be reduced accordingly.2.All the pages shall be signed and stamped by the contractor.3.Price Bid shall be filled only in type form. The price bid which are handwritten will be summarily rejected.4.No addition/alteration is permitted for contractor in BOQ.Also no discount in addition to the total is permitted in the BOQ.Contrcator has to fill the rates considering the specification of item, material,labour,trasporatation, taxes ,overhead charges, profit etc.</u>					
Amount in Rupees:- Rs.					

Sign & Seal of the Contractor : -					

Date:					



Part-II (Electrical Works)

TENDER FOR ELECTRICAL WORK FOR BANK OF MAHARASHTRA, BANDA BRANCH

S.No.	DESCRIPTION OF WORKS	UNIT	QTY	RATE	AMOUNT
A.	POINTS & WIRING				
1.	LIGHTS POINTS				
1	Wiring for light point/ fan point/ wall fan point/ exhaust fan/ light sockets etc. with 1.5 sq.mm. PVC insulated 1100 V Grade copper conductor (FRLS) wires & 1.5 sq.mm. copper earth wire in concealed/ surface using 16 SWG MS conduits, accessories such as bends, tees, saddles, draw boxes, mounting boxes, inner plates, cover plates, ceiling rose etc. (wherever required) and chromium plates brass screws/ rowel plug etc. The circuit wiring starting from DB to point control box/ switch box using 2 X 2.5 sq.mm PVC insulated 1100 V grade multistranded Cu conductor wire & 2.5 sq.mm. PVC insulated earth wire (color code to be used). (Flexible conduit/ elbow not allowed). The conduit to be laid in ceiling with proper clamps/ wall/ floor and filling the chase with cement mortar and finishing the same in original form/ wooden partition/ above false ceiling with proper clamps etc. all complete. (Wherever required as per standard specifications). i) Each circuit shall have independent earth wire. ii) Each point shall be earthed. iii) Circuit wiring is to be included in point wiring rates.				
i	Primary points controlled by one 6 amp. Modular switch.	Nos.	22		
ii	Secondary light points controlled by one 6 amp. Modular switch.	Nos.	11		
iii	One call bell point with ceiling rose/ 6amp. 3 pin socket controlled by one 6 amp. Push Modular switch. With call bell	Nos.	1		
iv	One wall fan/ ceiling/ exhaust fan point with 6 amp 3pin socket controlled by one 6 amp. Modular switch. The switch should be at switchboard level.	Nos.	4		
v	One 5 pin socket controlled by one 6 amp. Modular switch complete assembly includes plate box etc. Dependent	Nos.	4		
vi	Same as serial no 1 but using 2*2.5 + 1*2.5 Sq.mm Copper Conductor FRLS wires from DB to first 6A, 5 Pin modular socket controlled by one 6A switch and looped to the nearest second point with same 2*2.5 + 1*2.5 Sq.mm Cu conductor wires FRLS insulated 1100V grade (max 3 points per circuit).				

S.No.	DESCRIPTION OF WORKS	UNIT	QTY	RATE	AMOUNT
a	Primary Point	Nos.	10		
2	POWER POINTS				
	Same as serial no.1, but wiring for 16 Amp, 6-pin sockets by using 2*4 sq.mm. PVC insulated 1100 V grade copper conductor wire with independent 1* 4.0 sq.mm earth wire from D.B. to first point 1 st socket and 1 st to 2 nd , socket with 2*2.5 sq.mm and 1*2.5 earth wire including providing and fixing of 16 Amp, 6 –pin socket with 16 Amp. Switch. (Modular type switch/ socket/ plate etc. complete assembly) max 2 points per circuit. Primary Point	Nos.	6		
3	AC POINTS FOR INDOOR & OUTDOOR UNITS				
	Same as serial no.1, but wiring for A/C socket by using 2*4 sq.mm. PVC insulated 1100 V grade copper conductor wire and earthing with 1*4.0 sq.mm. PVC insulated 1100 V grade copper conductor wire with modular type AC box (tiny trip type) with socket complete in all respects controlled by 25/32 A SP MCB to be provided near indoor unit. The point starts from DB to stabilizer to the point near the indoor unit including top.	Nos.	6		
4	COMPUTER POINTS				
a	Wiring with 2x2.5 sq.mm. + 1x2.5 sq.mm. PVC insulated 1100 V grade multi stranded copper conductor wires in 2 mm thick PVC conduit from UPS DB to computer point. Each point to have 3 nos. 6 amps. 5 pin modular type sockets, one 6 amps modular switch with all accessories, inner/ outer plates, metal box etc. and to be fixed on wooden partitions/ by grouting on wall etc. as per requirement at site. The switch should be fixed above the top of counter with indicator & sockets under the counter b) Same as above but looped from the above 1st point to 2nd, point and 2nd point to 3rd point. (Maximum 3 points in a circuit) Primary Points	Nos.	10		
b	Wiring with 2x2.5 sq.mm + 1x2.5 sq.mm PVC insulated 1100 V grade multi stranded copper conductor wires in 2mmthick PVC conduit from UPS DB to computer point. Each point to have 1 nos. 16 amps 5 pin modular type sockets, 1 No's 16 amps modular switch with all accessories, inner/ outer plates , metal box etc and to be fixed on wooden partitions/ by grouting on wall etc as per requirement at site. The switch should be fixed above the top of counter and sockets under the counter. or as directed by the engineer for the rack supply in PA rack, CCTV b) Same as above but looped from the above 1st point to 2nd point (Maximum 2 points in a circuit) Primary Points	Nos.	12		

S.No.	DESCRIPTION OF WORKS	UNIT	QTY	RATE	AMOUNT
	PART (A) SUB TOTAL				
	GST @.....				
	PART (A) SUB TOTAL INCLUDING GST				
B.	CONDUITING FOR TELEPHONE, COMPUTER & T.V. SYSTEM.				
1.0	TELEPHONE SYSTEM				
1.1	Wiring for VOICE from Jack Panel in data rack to computer workstation with Cat-6 voice cable in PVC conduits of size 20/ 25 mm including providing ferrules at both ends and termination at both ends including providing & fixing frame for Cat-6 with shutter, RJ 11 outlet, faceplate and mounting box complete of modular type. This work includes supply and laying of CAT-6 cable in PVC conduits throughout the length, from the I/O hub to the point.	Nos.	3		
a)	Supplying & fixing 10 pair krone tag block with enclosure.	Nos.	1		
b)	P/L 20 Pair PVC insulated sheathed multicore jelly filled armored telephone.	Mtr.	20		
2.0	COMPUTER NETWORKING				
2.1	Wiring for computer networking from Jack Panel in data rack to computer workstation with Cat-6 computer cable in PVC conduits of size 20/ 25 mm including providing ferrules & termination at both ends including providing & fixing frame for Cat-6 with shutter, RJ 45 outlet, faceplate & mounting box complete of modular type, including supply & laying of CAT-6 cable in PVC conduits throughout the length, from the I/O hub to the point.	Nos.	10		
2.2	S/F 9U(Rack with glass door, opening in the front power panel 1 (horizontal), cable manager 1 lock & key).	Nos.	1		
2.3	Supply, Installation, Testing & Commissioning of 24 port Jack Panel.	Nos.	1		
2.4	Supplying and fixing Patch Cord-2 Meter- (DBPS Mounting Cord)	Nos.	10		
2.5	Supplying and fixing Patch Cord-1 Meter	Nos.	10		
3.0	S/F of 1.6mm thk GI Box along with RG6 TV-Co axial socket with Cover Plate	Nos.	1		
4.0	SITC of T.V Coaxial cable RG 6 in existing conduit	RM	10		
	PART (B) SUB TOTAL				

S.No.	DESCRIPTION OF WORKS	UNIT	QTY	RATE	AMOUNT
		<i>GST @</i>			
	<i>PART (B) SUB TOTAL INCLUDING GST</i>				
C.	<i>CABLES, MAINS & SUBMAINS</i>				
1	Supplying all materials and laying/ pulling 1100 volts grade PVC insulated copper conductor wires (FRLS) in MS conduit with all fixing accessories after cutting the floor, wall and the like etc. and plastering the floor level to original. Conduit must be 30 mm below the floor finish level.				
i	2 X 4 sq.mm. + 1 X 4 sq.mm.	RM			
ii	2 X 6 sq.mm. + 1 X 6 sq.mm. (Branch UPS DB)	RM			
iii	1 X 6 sq.mm. Cu wire for earthing. (UPS Input/Output)	RM			
	<i>PART (C) SUB TOTAL</i>				
	<i>GST @</i>				
	<i>PART (C) SUB TOTAL INCLUDING GST</i>				
D.	<i>DISTRIBUTION BOARD</i>				
	SITC of surface/recessed mountings, Double door 415 volts TPN MCB distribution board of steel, 1.6 mm thick dust phosphatized and painted, inclusive of 100 amps, tinned copper bus bars, earth bar, common neutral link, din bar for mounting of MCB's detachable gland / knock out plate & with built in loose wire box, and superior make terminal connectors for all incoming and outgoing circuits duly prewired with adequate size of PVC insulated copper wires between the bus bars and the MCB's as well as the incomer and upto the terminal connectors/ neutral link and ready for installation of following ways as required. Use 'B' curve MCB's for lighting & small power circuits, 'C' curve for motor duty i.e. for pumps, AC motors, window and split AC's etc. & 'D' curve for UPS DB's i.e. for computers/ PC's circuit. Main incomer & outgoing circuit MCB's shall be selected accordingly i.e. type B,C & D. Contractor to select the MCB's accordingly as per the nature of the circuit/ load. Each DB shall have separate neutral links of rating not less than 100A for each phase. The main incoming neutral link shall be in addition to three outgoing neutral links and shall be of 125 A. UPS DB's shall have a dedicated Earthing link fixed on insulated supports, which will be in addition to body earth link. All internal inter connecting wiring within the DB's shall be PVC insulated flexible copper conductor wires of adequate capacity as per the current rating. Inside each				

S.No.	DESCRIPTION OF WORKS	UNIT	QTY	RATE	AMOUNT
	DB, a DB chart is to be fixed				
a	4-way TPN DB (Light DB) Incomer: 1 No.40A TPN(10KA) MCB with 40A DPRCCB (100MA) each phase Outgoing:- 6 Nos.6/10 Amp (10 KA) SP MCB	No.	1		
b	4-way TPN DB (Power DB) Incomer: 1 No.63A TPN (10 KA)MCB with 63A DPRCCB (100 MA)each phase Outgoing :- 6 Nos. 10/16/25/32 Amp (10 KA) SPMCB	No.	1		
c	4-way TPN DB (AC DB) Incomer: 1 No.63A TPN (10 KA) MCB with 63A DP RCCB(100 MA)each phase Outgoing:- 6Nos. 10/16/25/32 A (10 KA) SP MCB	No.	1		
d	4-way SPN DB with 2 Nos. 40 A (10 KA) DP MCB (For UPS Input) with 2 X 6 sq.mm. + 1 X 6 sq.mm. (Branch UPS DB)	No.	2		
e	(2+8)-way SPN DB (For UPS Sub DB) Incomer:- 1 No. 40 A DP (10 KA) MCB with 25A DPRCCB (100 MA) Outgoing:- 6 Nos.6/10/16/25A (10 KA) SP MCB	No.	2		
f	8 Way SPN DB for ATM complete with lock & Key Arrangement with 40A DPMCB & 32A DPRCCB (100 mA) & Outgoing as 4 No's of 6/10/16/25/32A SPMCB as directed for E-Lobby AC- 1 No's and Light.	Nos.	1		
PART (D) SUB TOTAL					
GST @.....					
PART (D) SUB TOTAL INCLUDING GST					
E	(LIGHT FITTINGS & ACCESSORIES)				
	SITC of following light fixtures with electronic Ballasts, Tubes, lamps, all fixing materials including connecting wires etc. all complete (All LED Fixtures should be covered with 3 Years onsite replacement warranty).				
i	LED 20 W tube 4'-0" As specified in tender document or approved by SBIIMS/Architect.	Nos.	4		
ii	FULL GLOW 2 X 2 LED 33 W Verge fitting of Wipro make As specified in tender document or approved by SBIIMS/Architect.	Nos.	3		
iii	Supplying, fixing, testing and commissioning of 15 W LED commercial type down lighter of make As specified in tender document or approved	Nos.	23		
iv	SITC of Exhaust fan metal heavy duty 18" x 18"	Nos.	1		

S.No.	DESCRIPTION OF WORKS	UNIT	QTY	RATE	AMOUNT
v	Same as above but for toilet blocks size 8" x8"	Nos	3		
vi	SITC of 9W LED bulb with holder in toilet block	Nos.	3		
vii	Wall mounted fans (METAL BODY) 400 mm dia. make As specified in tender document or approved by concerned office in charge.	Nos.	4		
viii	Supply & fixing of 48" dia sweep ceiling fan Crompton/ Orient/Usha/Bajaj with all accessories like regulator, hook, etc. complete	Nos.	1		
PART (E) SUB TOTAL					
GST @.....					
PART (E) SUB TOTAL INCLUDING GST					
F.	EARTHING SYSTEM				
1	SITC of Maintenance Free Earthing system made up of copperbonded rod of 10 feet length,23 mm dia. (Min. Cu bonding shall be 0.25mm) along with Rod-toConductor connectors, Earth enhancement material, Pit Cover and other accessories as required and as per specification and other applicable codes (include chamber for earthing, Earthing certificate to be submitted along with the bill).	Nos	3		
2	P/F of Cu/ GI strips in surface or in recess for loop earthing etc. as required of 25 mm x 5 mm GI strip	RM	20		
PART (F) SUB TOTAL					
GST @.....					
PART (F) SUB TOTAL INCLUDING GST					
G.	MAIN PANEL AND METER BOARD				
	Designing, fabrication, supply, installation, testing and commissioning of front operated cubicle type compartmentalized, front access, free standing on 75MM "I" MS channel, dust and vermin proof (IP 42 degree protection) panel suitable for use at 415V, 3 phase, 4-wire 50Hz system suitable for fault level of required value symmetrical at 415V fabricated from 2mm thick CRCA MS sheets with hinged, gasketted (Metal based neoprene) lockable doors having structural reinforcement including 3mm thick gland plates on top and bottom, lifting hooks, GI earth strip of required size with 2 no's earth terminals, 2 no's 230V AC operated 250 mm X 250 mm size axial fans for exhaust of heat with On-Off toggle switches including 2 coated primer				

S.No.	DESCRIPTION OF WORKS	UNIT	QTY	RATE	AMOUNT
	and 2 power coated paint finish of approved shade over metal surface cleaned and treated with seven tank process complete with interconnections etc. as per specifications as required. Main panel board of approved make (Should be CPRI Approved, Type of Approval as instructed) As per the foll. specifications, (Part IV - Substation) and IS: 8623 comprising of followings panel mounting switchgears etc. as required, should be CPRI Approved.IS: 8623 comprising of followings panel mounting switchgears etc. as required, should be CPRI Approved. Note: Type of CPRI testing shall be as per Architect/ Bank's instructions. All switchgears shall have provision for entry of cables from the top or bottom through Cable Alley.				
	All live accessible parts shall be shrouded and all equipment shall be finger touch proof. The busbars insulation shall be withheat shrinkable sleeves SMC/ DMC shrouds and busbar supports shall be used. Padlocking facility shall be provided on all outgoing feeders' doors and switch handles shall be lockable in OFF position. Suitable arrangement shall be made for termination of multiple incoming cables. All KA values indicated shall be ICS breaking capacity GA drawings shall be got approved by concerned office in charge. A. Floor panel shall consists of : - INCOMER: 1 no. 100 Amp 4P On Load Change over switch with 1 No. 100 Amps,TPN MCCB (25 KA) with extendable rotary handle each thermal over current, instantaneous, Short circuit release, Earth fault. BUSBARS: 125 amps TPN pole bus bar chamber of suitable length with copper bus bars. All bus bars & interconnections shall be of suitable size copper strips.				
b.	INDICATING PANEL : Digital flush type class-1.0 accuracy multifunction meter showing V, A, PF etc. with 3 Nos. Current Transformers of 125/5A ratio, 15 VA Class-1.0 metering. - 1 sets Red/Green/Amber ON/ OFF/ TRIP indicating lamps with 2A SP MCB backup protection. 1 set of three phase indicating lamps along with 2A SP MCB backup protection. Restricted Earth fault relay with 3 Nos. current transformers of 125/5 ratio, 15 VA Class 5P 10 (Numeric Relay not required.) Under voltage, Overvoltage & phase reversal relay for persisted voltage of 105-180% & 20-95% of rated voltage (Numeric Relay not required). OUTGOINGS:- 2 Nos 40 A TPN MCB (10 kA) terminals suitable to receive cable on one side and wire connection to Bus bars. (For Light DB & Spare) 3 Nos 40 A DP MCB (10 kA) terminals suitable to receive cable on one side and wire connection to Bus bars. 2 Nos 63 A TPN MCB (10 kA) terminals suitable to receive cable on one side and wire connection to Bus bars. (for AC and Power DB) The electrical panel as described above and specifications complete.	Set	1		
	PART (G) SUB TOTAL				

S.No.	DESCRIPTION OF WORKS	UNIT	QTY	RATE	AMOUNT
	GST @.....				
	PART (G) SUB TOTAL INCLUDING GST				
H	OUTDOOR TYPE GLOW SIGN BOARD WIRING				
	Glow Sign Board Supply installation of 16 Amp. DP MCB at main entrance Glow sign Board with 2x2.5 + 1x 1.5 Sq.mm through MS conduit with Timer	Nos.	2		
	PART (H) SUB TOTAL				
	GST @.....				
	PART (I) SUB TOTAL INCLUDING GST				
	TOTAL AMOUNT				
	GST @18%				
	GRAND TOTAL AMOUNT				

Note: 1. The contractor shall quote rate of whole item in BOQ considering the provided basic rate of material by bank. However, if bank approves the basic rate of material below the provided rate in the respective item, then the difference of amount for that item will be deducted accordingly or rate will be reduced accordingly.

2.All the pages shall be signed and stamped by the contractor.

3.Price Bid shall be filled only in type form. The price bid which are handwritten will be summarily rejected.

4.No addition/alteration is permitted for contractor in BOQ. Also no discount in addition to the total is permitted in the BOQ. Contractor has to fill the rates considering the specification of item, material, labour, transportation, taxes, overhead charges, profit etc.

Signature & Seal of Contractor/Vendor

Date:



PRICE BID (PART-II)

Name of work: Air Conditioning Work, Banda Branch

Note : For any make, if OEM doesn't has specific star rating for the product but that product has equivalent energy saving as compared to the star rating, then vendor shall mentioned the same against the model number.

Sr. No	Particulars	Product Model No.
1.	1.5.0 TR Wall mounted Split Unit 5 Star Inverter Model	
2.	1 TR Wall mounted Split Unit 5 Star Inverter Model	

AIR-CONDITIONING WORKS:

Air-conditioning System (Inverter Model/ 5 Star - Wall mounted Split Unit/ Ceiling Suspended Cassette unit)

Equipment Make – Voltas/LG/Blue star/Daikin/Carrier/Mitsubishi/GE/- 5 star split & 5 star or Equivalent energy saving latest model – cassette (inverter units) with copper condenser

All the work of Drain pipe/Cu pipe/cable shall be properly supported by clamps from the slab.

Sr. No	SPLIT TYPE AIR CONDITIONERS				
A.	PART –A				
HIGH SIDE WORK					
Sr no.	Description	Unit	Quantity	Rate	Amount
1	SITC following wall mounted Split/ Roof mounted cassette units of (Toshiba/Mitsubishi/Hitachi/ Daikin/LG/Bluestar/Carrier/ Voltas) with cordless remote complete with all necessary fittings duly insulated with 9 mm thick nitrile rubber pipe insulation with (evaporator coil – copper only), fan and fan motor, machine control panel improved Refrigerant Joints, .Air conditioners shall be fitted with hermetically sealed type suction cooled reciprocating or discharge cooled rotary compressor or scroll compressor. Compressor unit operating on R-22/ R-410 . All complete as per drawing, approval and instructions of the Employer (Rates to be inclusive of Copper refrigerant pipe with insulation and Drain pipe up to 5 Mtr. length).				

a	1.0 TR wall mounted split unit (Minimum 5-Star rating inverter type) including all necessary fittings and mountings as specified by the manufacturer.	Nos.	3		
b	1.5 TR wall mounted split unit (Minimum 5-Star rating inverter type) including all necessary fittings and mountings as specified by the manufacturer.	Nos.	3		
PART A –HIGH SIDE WORK SUB TOTAL AMOUNT					
GST @.....28%					
TOTAL –PART -A					
B.	PART –B				
1	LOW SIDE WORK EXTRA REFRIGERANT PIPING				
	Supplying and laying of Extra copper refrigerant piping with nitrile rubber pipe insulation, both of size as specified by the manufacturer suitable for 1.0 TR/ 1.5/2.0 TR Split type AC and 2.0/3.0 TR Cassette AC (From Indoor to outdoor Units) Beyond 3 M.				
a	For 1.0 T Split unit	Mtr.	8		
2	DRAIN PIPING				
	Providing and fixing drain piping up to drain as directed by the engineer in charge with all accessories e.g. elbows, unions, sockets, reducers, reducing tees, nipples etc. Complete job including cutting chiseling in walls, fixing with GI clamps, floor and making good of all chases/ cuts etc. and discharging the drain into a floor trap/ gully as per site conditions with insulation, both as specified by the manufacturer.				
a	25 mm dia PVC drain pipe for Split AC	Mtr.	8		
3	AUTOMATIC VOLTAGE CONTROLLER				
	Stabilizer shall be Automatic version with Cu coil transformer and the voltage selection range shall be minimum depending on lowest peak recorded average in a month. Precise output voltage range (130V-170V to 240V -270 V). Ensure the rating of Stabilizer shall be in accordance with max rated power of ACs considering instantaneous peak load fluctuation. Providing and fixing Stabilizer with 3-4 step relay and input voltage range of 130-270 V and output to be 230-240 V (Blue bird/ Logic state/ Inline/ V-Gaurd/Equiv Reputed Make) (Cu winding).				
	5 KVA (For 3.0/ 2.0 TR Split AC)	Nos.			
	3 KVA (For 1.0/ 1.5 TR Split AC)	Nos.			

4	AIR-CONDITIONERS STAND				
	MS-STAND -Providing and fixing of lockable caging for outdoor unit grouted on wall or on roof with open able shutter made of 10 X 10 mm MS square bars placed vertically @ 5" c/c welded with 40 X 3 mm MS flat all-round. The frame shall be of angle 35mm*35mm and it shall be fixed to wall or roof with proper MS bracket to tackle the weight of outdoor unit. Item includes all necessary hardware, priming coat, synthetic enamel paint, hanger, clamps other accessories etc. All complete as per approval and instructions of the Bank.Size shall be adequate for AC outdoor size & sufficient space around the outdoor suitable for servicing purpose for Outdoor unit.				
2.	Powder coated readymade stands				
	For 1.0 TR Hi Wall split units	Nos.	3		
	For 1.5 TR Hi Wall split units	Nos.	3		
5	ELECTRICAL CABLES				
	Suitable IS/BIS standard Cable of 1.1-2.2 KV, Multi strand, FRLS 2x4C / 1.5/2.5 -6 Sqmm) as per design requirement of Peak load calculation of specific ACs system installed at site with 1"/1/2"/2" PVC conduit pipe between indoor/outdoor unit				
	Supplying and laying of Extra Electrical interconnecting control cable from indoor to outdoor of size as specified by the manufacturer suitable for 1/2 TR Split type AC.	Mtr.			
6	TIMER				
a	Supplying, installation and commissioning of automatic 24 HRS. programmable TIMER of required capacity to run A.C. alternately (MDS/ L&T/ Other reputed make).	Nos.	1		
7	CORE CUTTING				
a	Core cutting member in Non RCC	Mtr.			
	PART B –LOW SIDE WORK SUB TOTAL AMOUNT				
	GST @....18%				
	PART B –LOW SIDE WORK SUB TOTAL AMOUNT				
	GRAND TOTAL (PART A + PART B) INCLUDING GST				
Note: The rates quoted includes all other taxes, duties, loading, unloading , transportation, other expenses etc. to site only GST will be paid Extra					

Amount in words:

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Signature & Seal of Contractor/Vendor

Date: