

SUMMARY OF ELECTRICAL INSTALLATION WORK OF BHARNI BRANCH

SUMMARY

Description

Amount (Rs.)

PART - D : Electrical Installation Work - Branch			Rs.	
PART - E : Electrical Installation Work of ATM			Rs.	
PART - F : SERVER ROOM ELECTRICAL, LAN CABLING & AC WORK			Rs.	
TOTAL OF D + E + F			Rs.	
Less Discount if any			Rs.	
TOTAL AMOUNT			Rs.	

Amount in words : Rupees
only)

Signature & Seal of Contractor

PART - D : ELECTRICAL INSTALLATION WORK OF BHARNI BRANCH

SUMMARY

<u>Description</u>	<u>Amount (Rs.)</u>
Electrical Installation Work	Rs.
Total - Part - D	Rs.

PART - D : Electrical Installation Work of Branch

SI. No.	Particulars	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
1	Main Panel Board				
	<p>Supplying, fabrication and installation of L.T. Distribution panel Box, wall mounting type made out of CRCA M.S. Sheet of thickness 18 SWG with provision for neoprene rubber gasket at all joints/doors etc. to make the panel dust, vermin and water proof. The clearance between phase to phase of the Bus Bar and phase to earth shall be 25.4 mm. (minimum) and between Neutral and earth shall be 19mm. (Minimum) and connections from Bus Bar to Cut-outs / Switches / MCB's / Meters etc. shall be shrouded / insulated in order to avoid accidental touch and all the Bus Bars shall be suitable colour coded. All Cable entry shall be from the bottom and all cable exists shall be from the top only. The connection from the Bus-Bar chamber to the Meters shall be through M.S. conduit pipes welded at the base of the box and the doors of all meter chambers and the Bus-Bar chambers shall have provision for sealing so as to make them tamper proof. The width of the cable alley wherever required shall be a minimum of 150 mm.</p>				

<p>The panel shall be treated with acid and thoroughly washed and dried before painting to remove all rust and dust and then in two coats of Anti-corrosive red oxide metal primer painted and two coats of smoke grey enamel paint. The door shall have hinges and suitable thumb screws/panel locks and danger plates of appropriate rating. The drawing of the panel shall be made by the fabricator basing on the single line diagram provided before fabrication of the panel and the same shall be approved.</p>				
<p>Incoming</p>				
<p>100 Amp TPN SFU with HRC fuse - 1 set</p>				
<p>100 Amp TPNE BUS BAR - 1 set</p>				
<p>Terminated in two Bus bar through equipments as given below :</p>				
<p>Termination - 1</p>				
<p>* 63 Amp 4 Pole C.O. - 1 No.</p>				
<p>* RYB (LCD) Indicator - 1 set</p>				
<p>* 0-500 V voltmeter - 1set</p>				
<p>* selection switch for above - 1 No.</p>				
<p>* 0-100 Amp ammeter - 1 set</p>				
<p>* selection switch for above - 1 No.</p>				
<p>* CT 100/5 Amp - 1 set</p>				
<p>* 63 Amp TPN Cu Electrolytic - 1 set</p>				
<p>* Bus No - I</p>				
<p>With Outgoing :</p>				
<p>40 Amp DP MCB for single phase A.C. - 6 Nos.</p>				
<p>Termination - 2</p>				
<p>* 63 Amp 4 Pole C.O. - 1 No.</p>				
<p>* RYB (LCD) Indicator - 1 set</p>				
<p>* 0-500 V voltmeter - 1set</p>				
<p>* selection switch for above - 1 No.</p>				
<p>* 0-100 Amp ammeter - 1 set</p>				
<p>* selection switch for above - 1 No.</p>				
<p>* CT 100/5 Amp - 1 set</p>				
<p>* 63 Amp TPN Cu Electrolytic - 1 set</p>				
<p>* Bus No - II</p>				
<p>With Outgoing :</p>				
<p>63 Amp TPN MCB to UPS - 2 Nos.</p>				
<p>40 Amp DP MCB to LDB - 4 Nos.</p>	<p>Set</p>	<p>1.00</p>		

Sl. No.	Particulars	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
2	Light DB				
	Computer Terminal DB (Company made with double door cover to be used) M.S. Cubical Type duly flushed with the wall surface including, making good to all damages with following arrangements:-				
	Incoming : 25 amp. DP MCB - 1 No.				
	Outgoing : 6 amp. SP MCB - 10 Nos.	Set	1.00		
3	Computer DB				
	Computer Terminal DB (Company made with double door cover to be used) M.S. Cubical Type duly flushed with the wall surface including, making good to all damages with following arrangements:-				
	Incoming : 25 amp. DP MCB - 1 No.				
	Outgoing : 10 amp. SP MCB - 10 Nos.	Set	1.00		
4	AC DB				
	Supplying, installing & testing 3 phase (TPN) Double door 6 way DB with				
	Incoming : 63 amp. TP MCB - 1 No.				
	Outgoing-32 amp. DP MCB-2 Nos. 16 amp. SP MCB - 3 Nos.	Sets	1.00		
5	Sub-Main Wiring				
	Supplying and laying partly recessed (concealed) in wall and partly on surface of the R.C.C. ceiling / under false ceiling of Sub-Main and computer wiring drawn in 25 mm. outer diameter M.S. conduit pipe as per IS: 9537 (Part-II) with two runs of single core PVC insulated un-sheathed cable of copper conductor of size as specified below of 650/1100 Volt grade with running earth continuity wire of insulated (250/650) Volt grade) single core Solid Copper Conductor of size 1.0 Sq. mm. (1/18 SWG). with Circuit wiring. Air Conditioner point, power plug point and hall for taking connection to computers as detailed below.				
(a)	From UPS output DB to computer DB (4.0 Sqmm x 2 + 2.5 Sqmm. X 1) PVC single core copper wire.	Mtr.	25.00		
(b)	From L.T. panel to UPS input & Light DB also to AC (2 x 6 Sqmm + 1 x 2.5 Sqmm.) PVC single core copper wire.	Mtr.	100.00		

Sl. No.	Particulars	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
(c)	From computer terminal DB to computer terminal and LDB to Raw power (2.5 Sqmm. X 2 + 1 Sqmm. X 1) PVC Single core copper wire.	Mtr.	150.00		
6	5A Plug Socket				
	Recessed (concealed) wiring to 5 Amp. 250 Volts 2/3 Pin wall socket with Switch as detailed below in 25 mm. outer diameter M.S. conduit pipe as per IS:9537 (Part-II) with single core PVC insulated, un-sheathed cable of copper conductor of size 1.5 Sq. mm. x 2 (220/0.3 mm.) for point wiring and 2.5 Sq.mm. (36/0.3mm) for Circuit wiring drawn from B.D.B. to loop-in-box, junction box, switch board etc. of 650/1100 Volts grade modular clip-in-type Switches and sockets, G.I. company make boards of appropriate size inside the wall and earth continuity wire of insulated (250/650 Volts grade) single core Solid Copper Conductor of size 1.0 Sq. mm. (1/18 SWG)				
(a)	In existing switch Board	Pts.	5.00		
(b)	On separate Board	Pts.	10.00		
7	Point Wiring				
	Recessed (concealed) wiring to new light, fan, exhaust fan etc. point described below in 25 mm. outer diameter M.S. Conduit pipe as per IS:9537 (Part-II) with single core PVC insulated, unsheather cable of copper conductor of size 1.5 Sqmm. (22/0.3 mm.) for point wiring and 2.5 Sqmm. for circuit wiring to be laid through looping in R. J. box, junction box, switch board etc. of 650/1100 volt grade with fixing of company made Galvanized Boxes of 50 mm. deep of appropriate size inside the wall, 5 Amps. 230/250 Volts modular clip-in type switches, Angle batten holder/Batten holder/Ceiling rose (as required), 25/50 mm. deep R.J. Box with 3 mm. thick Bakelite cover of the required sizes on R.J. box switch box, junction box etc. and earth continually wire of insulated (250/650 Volts grade) single core Solid Copper Conductor of size 1.0 Sq. mm. (1/18 SWG)				

Sl. No.	Particulars	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
(a)	With one 5 Amp switch controlling two nos. of light points.	Pts.	15.00		
(b)	With one 5 Amp switch controlling one no. of points.	Pts.	3.00		
Sl. No.	Particulars	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
8	Raw Power				
	Supplying & fixing no. of modular clip in type 16 amp. Lug socket on galvanized boxes along with 16 Amp. Switch. The item to be made recessed in wall.	Nos.	2.00		
9	Computer Terminal				
	Supplying and fixing recessed modular clip-in type Computer terminals having 3 nos. of 6 Amp. Switches, 3 nos. of 6 Amp. Sockets and 1 no. of indicator to be fixed on galvanized boxes of company made.	Sets.	7.00		
10	Earthing LT Panel				
	Supplying of materials and installation of earth electrode for earthing of Main Panel Board made out of 50 mm dia class B. G.I. pipe of 3.00 Mtr. long with arrangements for fitting/wire with G.I. nuts bolts & washer including cost of charcoal, salt and foreign soil, water pouring arrangements brick masonry enclosure on top with removable C.I. cover complete with labour for excavation of pit, as per direction and as per IS 3043-1998	Nos.	2.00		
11	Earth Lead LT Panel				
	Supplying and laying under ground/floor/walls 8 SWG G.I. wire as earth lead and also making both ends termination etc. completes with cost of all materials and labour.	Rmt.	22.00		
12	Fittings and Fixtures				
(a)	Supply, fitting & fixing of Square white powder coated recessed luminaries suitable for LED Lamp housed in Epoxy polyster powder coated CRCA sheet steel analyzed aluminum reflector etc. complete with all electrical accessories. Provide ditachable attachment complete with supply of necessary connecting wire installation & testing. (Philips, BBS 170 1 x DLED 5000 PSU or its equivalent. Bajaj / Crompton / Havells.)	Nos.	30.00		

Indian Bank, Zonal Office, Bhopal - Tender for Electrical Works at Vidisha branch in Vidisha dist.

Sl. No.	Particulars	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
(b)	Supply, fitting & fixing of Wall bracket fan of 400 mm dia sweep white revolving and tilting type in plastic body, cover and blades having cord operated oscillating device and speed device M.S. brackets etc. all complete. (Bajaj Midea BW 04 or its equivalent Khaitan / Usha / Crompton / Almonard)	Nos.	10.00		
Sl. No.	Particulars	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
(c)	Supply, fitting & fixing of T5 FTL fittings including electronic ballast, tube, connection wire, starter, reflector etc. suitable for 2 x 28 Watt suspended fitting complete. (Philips, TBS 669/228 D6 HF with or its equivalent. Bajaj / Crompton / Havells).	Nos.	3.00		
(d)	Supplying all materials & wiring to call bell push modular type including buzzer type call bell.	Nos.	1.00		
	PART - D : TOTAL				

SUMMARY PART - E : ELECTRICAL INSTALLATION WORK OF ATM

Electrical Installation Works	Rs.	
-------------------------------	-----	--

Air-Conditioning Works	Rs.	
------------------------	-----	--

TOTAL PART - E :	Rs.	
-------------------------	------------	--

Part - E : Electrical Installation Work of ATM

Sl. No.	Particulars	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
1(26)	Service Cable				
	Supply and laying from Branch Panel to ATM Panel of size 16 Sq. mm. 4 core XLPE armoured cable of Aluminum conductor overall of 650/1100 Volt grade confirming to IS: 1554 (Part - I) of 1988 as amended upto date laid on wall with the help of G.I. Bar and saddles. The work should be completed with cost of all labour, materials and making connections by end crimping of the cable including cutting hole in the masonry wall wherever necessary and mending good to all damages	Rmt	15.00		
4	UPS Input DB				
	Supplying , fitting and fixing in position single phase UPS input DB (Company made with double door cover to be used) M.S. cubical Type duly flushed with the wall surface including making good to all damages with following arrangements:				
	Incoming : 32amp 10 KA DP MCB-1 No.				
	Outgoing : 25amp 10KA DP MCB-2 Nos.	Set.	1.00		
5	Power to UPS / Server I.T.				
	Supplying & fixing modular clip in type 6/16 amp. plug socket on galvanized boxes along with 16 Amp. Switch. The item to be made recessed in wall.	Set	1.00		
6	UPS Power Supply - Plug Top				
	Supply, installation and testing of (2 x 2.5 Sqmm + 1 x 1.0 Sqmm) about 2.0 mtr long flexible cable with one no. of 6 Amp. Plug top to receive power for UPS. (To be supplied by Bank)	Set	1.00		
7(29)	UPS Output DB				
	Supply, installation & testing of 6 way SPN DB (Company made with double door cover to be used) M.S. Cubical Type duly flushed with the wall surface including making good to all damages with following arrangements:				
	Incoming				
	25 Amp 10 KA DP MCB - 1 Nos.				
	Outgoing				
	10 Amp 10 KA SP MCB (For ATM & Computer) 4 Nos.	Set	1.00		

SI. No.	Particulars	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
8(29)	Light DB				
	Supply, installation and testing of 6 way SPN DB (Company made with double door cover to be used) of M.S. cubical type duly flushed with the wall surface including making good to all damages with following arrangements:				
	Incoming				
	25 Amp 10 KA DP MCB - 1 Nos.				
	Outgoing				
	10 Amp 10 KA SP MCB (Light & Signage) - 4 Nos.	Set	1.00		
9	Sub-Main Wiring				
	Supply and laying partly recessed (concealed) in wall and partly on surface of the R.C.C. ceiling / under false ceiling of Circuit / Sub-Main wiring drawn in 25 mm. outer diameter M.S. conduit pipe as per IS:9537 (Part-II) with two runs of single core PVC insulated un-sheathed cable of copper conductor of size as specified below of 650/1100 Volt grade with running earth continuity wire of insulated (250/650 Volt grade) single core Solid Copper Conductor of size 1.0 Sq. mm (1/18 SWG). with Circuit wiring, Air Conditioner point, power plug point and hall for taking connection to computers as detailed below.				
(a)	From ATM panel to UPS and also from ATM panel to AC Starter Board (2 x 6 Sqmm + 1 x 2.5 Sqmm) PVC Single Core Copper wire.	Rmt.	15.00		
(b)	From ATM panel to Light DB and also from UPS to UPS output DB (2 x 4 Sqmm + 1 x 1.5 Sqmm) PVC Single Core Copper wire.	Rmt.	15.00		
(c)	From ATM UPS output and also Branch UPS output DB to ATM / Computer Terminals and also from Light DB to Switch Board (2 x 2.5 Sqmm + 1 x 1.0 Sqmm) PVC Single Core Copper wire.	Rmt.	15.00		
10	AC : Switch				
	Supply and installation of AC Power unit comprises of 20 Amp metal clad plug socket with plug 20 Amp MCB and indicator. (Havells Make)	Nos.	2.00		

SI. No.	Particulars	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
11(29)	Point Wiring				
	Recessed (Concealed) wiring to new light, fan, exhaust fan etc. points described below in 25 mm. outer diameter M.S. Conduit pipe as per IS:9537 (Part - II) with single core PVC insulated, unsheather cable of copper conductor of size 1.5 Sq. mm. (22 / 0.3 mm.) for point wiring and 2.5 Sq. mm (36/0.3 mm) for Circuit wiring drawn from B.D.B. to loop in box, junction box, switch board etc. of 650/1100 volt grade with fixing of company made Galvanized Boxes of 50 mm. deep of appropriate size inside the wall, 5 Amps. 230/250 Volts modular clip-in type switches, Angle batten holder / Batten holder / Ceiling rose (as required), 25/50 mm. deep R.J. Box with 3 mm. thick Bakelite cover of the required sizes on R.J. Box switch box, junction box etc. and earth continuity wire of insulated. (250/650 Volts grade) single core Solid Copper Conductor of size 1.0 Sqmm (1/18 SWG)				
(a)	With one 6 amp. Switch controlling two nos. of points.	Pts.	3.00		
(b)	With one 6 Amp switch controlling one no. of points.	Pts.	1.00		
12(29)	6A Plug Socket				
	Recessed (concealed) wiring to 6Amp. 250 Volts 2/3 Pin wall socket with Switch as detailed below in 25 mm. outer diameter M.S. conduit pipe as per IS:9537 (Part-II) with single core PVC insulated, un-sheathed cable of copper conductor of size 1.5 Sq. mm x 2 (22/0.3 mm.) for point wiring and 2.5 Sqmm. (36/0.3 mm) for circuit wiring drawn from B.D.B. to loop-in-box, junction box, switch board etc. of 650/1100 Volts grade modular clip-in-type Switches and sockets, G.I. company make boards of appropriate size inside the wall and earth continuity wire of insulated (250/650 Volts grade) single core Solid Copper Conductor of size 1.0 Sq. mm. (1/18 SWG).				
(a)	In existing switch board	Pts	Nil		
(b)	On separate board	Pts	1.00		
13(29)	ATM Power				
	Supply, installation and testing of 2 nos. of modular clip in type 6/16 Amp. Plug socket with switch on same board, mounted over company made galvanized box duly flush with wall.	Set	1.00		

Sl. No.	Particulars	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
14(29)	Computer Point				
	Supply and fixing recessed modular clip in type computer terminal having 2 nos. of 6 amp. Switches, 2 nos of 6 amp sockets and 1 no. of indicator mounted over company made galvanized box duly flush with wall. (One from ATM UPS & One from Branch UPS)	Set	2.00		
15(33)	Earthing (Chemical)				
	Dedicated earthing for ATM. Providing earth station based on Earthing Electrode with inbuilt copper strip / GEL / GAF based. Earth station should have resistance < 1 Ohm and should be < 1V between neutral and earth. Suitable electrode to be used as per th site requirements. Earth enhanced compound powder (Gel) with hardener to be provided min. 20 Kg per sire / Back Fill / Site Filled compound (BFC / BSC) - 100 Kg. The electrode should be minimum 60mm dia and 3 meter length or 80mm dia and 2 meter length.	Nos.	1.00		
17	Data Cable				
	Supply, laying and testing of CAT - 6 cable for Lan - wiring for Branch switch to ATM / Computer Terminal through min. 20mm dia PVC conduit laid recessed in partition wall/floor by cutting, chasing etc. including mending good to all damages. (D-Link) [Tow nos. of cable to run parallel from Branch Server `as standby.]	Rmt.	40.00		
18	I. O. Box				
	Supply and fixing of information out-let box (single for RJ 45 connector of D-link make.	Nos.	2.00		
19	Fittings & Fixtures				
(a)(30)	Supplying, fitting & fixing Square white powder coated recessed luminaries suitable for LED Lamp housed in Epoxy polyster powder coated CRCA sheet steel analyzed aluminum reflector etc. complete with all electrical accessories. Provide ditachable attachment complete with supply of necessary connecting wire installation & testing. (Philips, BBS 170 1 x DLED 5000 PSU or its equivalent. Bajaj/ Crompton / Havells.)	Nos.	4.00		
(b)(31)	Supply, installation and testing of spot light mirror optics, fittings (1 x 18wt) with all accessories complete assembly of Philips (MODEL No. FBS 100/118) as required as per direction of Engineer in charge.	Nos.	2.00		
	Total				

PART - E : Air-Conditioning Works of ATM

SI. No.	Particulars	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
1	Supply, installation, testing and commissioning and handing over the satisfactory working condition 1.0 TR min. three star rated high wall split type air conditioning machines having necessary control system for maintaining temperature within +/- 2 degree F, refrigerant piping between indoor and outdoor unit and also wiring between indoor & outdoor unit. (Contractors are to visit the site, examine and quote accordingly to meet all eventuality.)				
(i)	Outdoor condensing Unit - Split type A.C. Unit complete with scaled type Rotary compressor, copper tube aluminum finned condenser, condenser fan, fan-motor connected piping, overload protection, TRD, other protection switches, relays, starters, internal wiring and all other accessories, as required - all housed inside a cabinet suitably painted for outdoor application.				
(ii)	High wall evaporator - Unit comprising copper tube aluminum finned cooling coil, statically balanced blower, blower motor, refrigerant - flow control, electrical wiring, condensate drain tray, required length of power supply cable with 3 - pin plug and all other accessories - all housed inside a cabinet. (Make : Blue Star / Carrier / Hitachi).				
		Set	2.00		
2	Platform/mounting arrangement for the outdoor unit. (Contractors are to visit the site, examine and quote accordingly to meet all eventuality.)	Sets.	2.00		
3	Providing extra length beyond 4.0 Mtr Copper refrigerant piping between indoor and outdoor unit along with necessary insulation to refrigerant suction line.	Mtr.	Nil		
4(36)	4 KVA Voltage Stabilizer of reputed make for supplying 220 +/- 5% stable voltage when the supply voltage will fluctuate between 150 to 250 Volts complete with voltmeter, 1.5 mtrs. Power supply cable, 3-pin plug and other accessories.	Nos.	2.00		
	Sub Total				
	Part - E Total ATM Electricals :				

PART - F : SERVER ROOM ELECTRICAL, LAN CABLING & AC WORK

SUMMARY - PART : F

<u>Description</u>	<u>Amount (Rs.)</u>	
Electrical Installation Work	Rs.	
Lan Wiring	Rs.	
Air-Conditioning Work	Rs.	
TOTAL - PART : F	Rs.	

PART - F : Electrical Installation Work - Server Room

SI No.	Particulars	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
1	Point Wiring				
	Recessed (concealed) wiring to new light, fan, exhaust fan etc. points described below in 25 mm. outer diameter M.S. Conduit pipe as per IS:9537 (Part - II) with single core PVC insulated, unsheather cable of copper conductor of size 1.5 Sq. mm. (22 / 0.3 mm.) for point wiring and 2.5 Sq. mm (36/0.3 mm) for Circuit wiring drawn from B.D.B. to loop in box, junction box, switch board etc. of 650/1100 volt grade with fixing of company made Galvanized Boxes of 50 mm. deep of appropriate size inside the wall, 5 Amps. 230/250 Volts modular clip-in type switches, Angle batten holder / Batten holder / Ceiling rose (as required), 25/50 mm. deep R.J. Box with 3 mm. thick Bakelite cover of the required sizes on R.J. Box switch box, junction box etc. and earth continuity wire of insulated (250/650 Volts grade) single core Solid Copper Conductor of size 1.0 Sqmm. (1/18 SWG).				
(a)	With one 5 amp. Switch controlling one no. of point.	Pts.	2.00		

SI No.	Particulars	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
2	5A Plug Socket				
	Recessed (concealed) wiring to 5 Amp 250 Volts 2/3 Pin wall socket with Switch as detailed below in 25 mm. outer diameter M.S. Conduit pipe as per IS:9537 (Part - II) with single core PVC insulated, unsheather cable of copper conductor of size 1.5 Sq. mm. x 2 (22 / 0.3 mm.) for point wiring and 2.5 Sq. mm (36/0.3 mm) for Circuit wiring drawn from B.D.B. to loop in box, junction box, switch board etc. of 650/1100 volt grade modular clip in type switches and sockets, G.I. company make boards of appropriate size inside the wall and earth continuity wire of insulated (250/650 Volts grade) single core Solid Copper Conductor of size 1.0 Sqmm. (1/18 SWG).				
(a)	In existing switch Board	Pts.	1.00		
(b)	On separate Board	Pts.	2.00		
3	Computer Terminal				
	Supplying and fixing recessed modular clip-in-type computer terminals having 3 Nos. of 6 Amp. Switches, 3 nos. of 6 Amp. Sockets and 1 no. of indicator to be fixed on galvanized boxes of company made.	Sets.	2.00		
4	Fittings & Fixtures				
	Supply, fitting & fixing of T5 FTL fittings including electronic ballast, tube, connection wire, starter, reflector etc. suitable for 2 x 28 Watt suspended fitting complete. (Philips, TBS 669/228 D6 HF with or its equivalent. Bajaj / Crompton / Havells).	Nos.	2.00		
5	UPS Input DB				
	Supplying, fitting and fixing in position single phase UPS input DB (Company made with double door cover to be used) M.S. cubical Type duly flushed with the wall surface including making good to all damages with following arrangements:				
	Incoming : 40 amp DP MCB - 1 No.				
	Outgoing : 20 amp DP MCB - 3 Nos.	Sets.	1.00		

SI No.	Particulars	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
6	UPS Output DB				
	UPS output DB for single phase UPS (Company made with double door cover to be used) M.S. cubical Type duly flushed with the wall surface including making good to all damages with following arrangements:				
	Incoming : 32 amp DP MCB - 2 Nos.				
	Outgoing : 25 amp DP MCB - 3 Nos.	Sets.	1.00		
7	Earthing				
	Supplying all materials & making earthing with 600 x 600 x 3 mm. copper plate & 40 mm dia 2.5 mtr. Long G.I. Pipe for watering, brick masonry chamber 300 x 300, charcoal & salt etc. all as per I.E. rule including duly painted M.S. cover with locking arrangement all complete.	Sets.	1.00		
8	Earthlead				
	Supplying and laying earth lead with 25 x 3 copper plate, one earth lead from each copper earth electrodes. Both electrodes are again shorted.	Mtr.	5.00		
9	AC Industrial Socket				
	Supply and installation of AC Power unit comprises of 20 Amp metal clad plug socket with plug 20 Amp MCB and indicator. (Havells Make)	Nos.	2.00		
10	Timer				
	Providing and fixing electronic timer with relay unit 1TR AC unit.	Nos.	1.00		
	Sub Total				

(F) Lan Wiring - Server Room

SI No.	Particulars	Unit	Qty.	Rate	Amount
	Providing following items to set up Computer Lan network of D-Link or any other standard make having ETIL and UL Certification and 350 MHz frequency support after obtaining prior approval from the Consultant.				
1	Supplying and laying of all materials CAT - 6 cable for Lan - wiring to Computer points in partly pre-laid conduits in floor and party by supplying and laying recessed PVC conduits in partition wall/masonry wall by cutting, chasing etc. including mending all damages.	Rmt.	100.00		

SI No.	Particulars	Unit	Qty.	Rate	Amount (Rs)
2	Supplying of @ 1.00 Mtr. Long patch chord each with RJ 45 jacks and installation of the same in position.	Nos.	7.00		
3	Supplying of Patch Chord @ 2.00 Mtr. Long with RJ 45 jacks and installation of the same in position.	Nos.	7.00		
4	Supplying and fixing of Information out-let box (single) (for RJ 45 connector of D-link make)	Nos.	7.00		
5	Supplying and fixing of 16 PORT Switch :: 10/100/1000 Mbps Gigabite Smart switch (DGS - 1224T) D-link make.	Nos.	1.00		
6	Supplying and fixing of 16 PORT UTP Patch Panel	Nos.	1.00		
7	Supplying and fixing in position of wall mounted rack with cable manager of following sizes:				
(a)	6U Height	Nos.	1.00		
Sub Total					

(F) Air-Conditioning Work - Server Room

SI. No.	Particulars	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
1	Supply, installation, testing and commissioning and handing over the satisfactory working condition 1.0 TR min. three star rated high wall split type air conditioning machines having necessary control system for maintaining temperature within +/- 2 degree F, refrigerant piping between indoor and outdoor unit and also wiring between indoor & outdoor unit. (Contractors are to visit the site, examine and quote accordingly to meet all eventuality.)				
(i)	Outdoor condensing Unit - Split type A.C. Unit complete with scaled type Rotary compressor, copper tube aluminum finned condenser, condenser fan, fan-motor connected piping, overload protection, TRD, other protection switches, relays, starters, internal wiring and all other accessories, as required - all housed inside a cabinet suitably painted for outdoor application.				

Indian Bank, Zonal Office, Bhopal - Tender for Electrical Works at Vidisha branch in Vidisha dist.

SI No.	Particulars	Unit	Qty.	Rate	Amount (Rs)
(ii)	High wall evaporator - Unit comprising copper tube aluminum finned cooling coil, statically balanced blower, blower motor, refrigerant - flow control, electrical wiring, condensate drain tray, required length of power supply cable with 3 - pin plug and all other accessories - all housed inside a cabinet. (Make : Blue Star / Carrier / Hitachi).				
		Set	2.00		
2	Platform/mounting arrangement for the outdoor unit. (Contractors are to visit the site, examine and quote accordingly to meet all eventuality.)				
		Sets.	2.00		
3	4 KVA Voltage Stabilizer of reputed make for supplying 220 +/- 5% stable voltage when the supply voltage will fluctuate between 150 to 250 Volts complete with voltmeter, 1.5 mtrs. Power supply cable, 3-pin plug and other accessories.				
		Nos.	2.00		
	Sub Total - AC Works				
	TOTAL - PART : F				

