

PRICE BID (PART-I) -ELECTRICAL

NAME OF WORK: - Electrification work of GULANA Br. Of UCO BANK , Zonal office indore M.P.

Elect					
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/ PVC conduits, accessories such as bends, tees, saddles, draw boxes, mounting boxes, inner plates, cover plates, ceiling rose etc. (where ever 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 multi stranded copper 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.	14		
ii	Secondary light points Connected by primary	Nos.	4		
v	Ceiling fan point with Step regulator socket switch. The switch should be at switchboard level	Nos.	5		
vi	5 pin socket controlled by one 6 amp. Modular switch complete on same board	Nos.	2		
vii	inverter point with 1mm wire	Nos.	6		
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.				
a)	Primary Point	Nos.	1		

3	AC POINTS FOR INDOOR & OUTDOOR UNITS				
3(a)	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 16 amp socket & 25 amp Modular MCB. complete in all respects to be provided near indoor unit. The point starts from DB to stabilizer to the point near the indoor unit including top.	Nos.	4		
	PART (A) SUB TOTAL				
	GST @18%				
	PART (A) SUB TOTAL INCLUDING GST				
B.	DISTRIBUTION BOARD				
	Supplying, installing, testing & commissioning 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.				
	All internal inter connecting wiring with in the DB's shall be PVC insulated flexible copper conductor wires of adequate capacity as per the current rating.				
	Inside each DB, a DB chart is to be fixed.				
A	Outgoing:-				
	Repalcing of single pole mcb for circuit 3 Nos.	No.	3		
B	4-way TPN DB (AC DB)	No.	1		
	Incomer :-				
	1 No. 63 Amp TPN (10 KA) MCB				
	Outgoing :-				
	4 Nos. 25 Amp (10 KA) DP MCB				
	PART (D) SUB TOTAL				
	GST @18%				

	PART (D) SUB TOTAL INCLUDING GST				
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C	(LIGHT FITTINGS & ACCESSORIES)				
	Supplying, installation with hanging support, testing and commissioning of following light fixtures with electronic Ballasts, Tubes, lamps, all fixing materials including connecting wires etc. all complete as per the directions of Engineer-in-charge (All LED Light Fixtures should be covered with minimum 3 Years onsite replacement warranty).				
ii	FULL GLOW 2 X 2 LED 36 W slim Smart Panel of make As specified in tender document or approved by SBIIMS/Architect.	Nos.	9		
iii (a)	Supplying, fixing, testing and commissioning of 15 W LED commercial type down lighter of make As specified in tender document or approved by SBIIMS/Architect.	Nos.	10		
iv	LED 9W bulb" As specified in tender document or approved by SBIIMS/Architect.	Nos.	2		
v	Supply, installation, testing and commissioning of following fans with all fixing materials like white Polycarbonate 2 mm Hylem sheet cover, down rods, fan box as required etc. all complete as per the directions of Engineer-in-charge.				
a	Supply & fixing of 230 mm exhaust fan 'Ventilair DX W' with self-closing louvers and plastic body with all accessories etc. complete of make As specified in tender document or approved by concerned office in charge.	Nos.	1		
b	Supply & fixing of ceiling fan of 1200 mm dia make as specified in tender document or approved by concerned office in charge	Nos.	5		
c	Removal & refixing of existing ceiling fan in ups room	Nos.	1		
	PART (E) SUB TOTAL				
	GST @18%				
	PART (E) SUB TOTAL INCLUDING GST				

D.	EARTHING SYSTEM				
2	Supply, Installation, Testing and Commissioning of Maintenance Free Earthing system made up of copper bonded rod of 6.5 feet length, 17.2 mm dia. (Minimum copper bonding shall be 0.25 mm) along with Rod-to-Conductor 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	1		
i	Providing and fixing 2 X 8 SWG dia. Cu earth wire in PVC conduit on surface or in recess for loop earthing along with the existing surface/ recess cable as required.	RM	12		
	PART (F) SUB TOTAL				

	GST @18%	
	PART (F) SUB TOTAL INCLUDING GST	

E	CABLES				
a.	Supply laying of 4X10 Sqmm COPPER CABLE from meter to circuit	Mtr.	2		
b.	To Glow Sign Board				
	Supplying, laying, testing & commissioning of 3.5 C x 35 sq.mm. at 1100 volts grade PVC insulated aluminum conductor armored cable with 10 gauge earth copper wire including cables end termination using appropriate Lugs, Glands, termination accessories , Clamps etc. as required as per specification. (Mains)	RM	6		
	PART (I) SUB TOTAL				
	GST @18%				
	PART (I) SUB TOTAL INCLUDING GST				
	GROSS SUB TOTAL (PART A + PART B + PART C + PART D + PART E) INCLUDING GST				
	GRAND TOTAL AMOUNT				

Total Without GST

Gst

Total cost

INTERIOR FURNITURE WORK (PART II)

S.No.	PARTICULARS	Unit	Qty	Rate	Amount
1	Gypsum Board False Ceiling				
	Providing and fixing and finishing Gypsum Board False Ceiling as per drawing made from 60mm x 36mm G.I. 'C' main supports suspended from the ceiling by means of 25mm x 18 mm G.I. suspenders fitted to the ceiling above with anchor fasteners and rowl plugs in concrete ceilings and other suitable approved means on all other type of ceilings as required and as per design, having pattas /concealed coves as indicated in drawings. Fixing 11-12.5mm thick gypsum board on GI channels using good quality self-tapping screws, finishing and jointing two boards with adhesive and jointing tapes finished complete in lines and level including providing coves, cut-outs for light fittings and extra frame work as necessary for AC grills and/or any other cutouts etc. complete in all respects. Quoted rate to include cost of making opening for light fittings, grills, diffusers, coves for fitting of diffused lights etc. as required and making good the same. Cost of additional frame required and/or as directed shall also be included in the rate). It may be noted that the vertical surfaces shall also be measured for payments and the quoted rates should take in to account this area.	Sqmt	14		
2	Armstrong False Ceilings				

	Providing & fixing of Armstrong Mineral Fibre Acoustical Suspended Ceiling System with silhouette ceiling grid (Tegular) GRID BLACK COLOUR . The tile should have Humidity Resistance (RH) of 99%, NRC 0.5, Light Reflectance ≥84%, Thermal Conductivity k = 0.052 - 0.057 w/m K, Colour White, Fire Performance UK Class 0 / Class 1 (BS 476 pt - 6 & 7) in module size of 600x600x16mm with Bio Block coating on the face of the tile, suitable for Green Building application ,with Recycled content of 35-38%. The tiles shall be laid on Armstrong Prelude 32 with 24 mm wide T - section flanges colour white having rotary stitching on all T sections i.e. the Main Runner, 1200 mm & 600 mm Cross Tees with a web height of 32 mm and 27mm ,25 mm respectively. The cost shall include all fittings and materials, scaffoldings, walkways etc. complete including proper installation and provisioning etc. NOTE: It should be noted that the existing ceiling height is 2.74m TO 3.35 Meter from floor approx. but partition height shall be measured up to visible false ceiling height and required stiffening, support or false ceiling members shall be provided as and where required. The contractor should study the site conditions before	Sqmt	43		
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3	Wall panelling				
	Providing & fixing in position wall paneling made over 38 x25 mm th. Aluminum batton used as frame at 60x60 cm interval with 12mm ply of BWR grade duly finished with 1mm th. Mica. All exposed teak wood part should be finished with melamine polish etc. as per architect incharge	15	Sqmt		
4	Painting of existing beading with plastic paint / falt paint in 3 coats including rubbing of bead, if repair any etc. complete	40	Rmt		
5	Supplying of follwing chairs as per				
	1) Thrill mesh plus chair with headrest	1	No.		
	2) Officers Thril Chair	4	No.		
	3) Visitors -CH1018 of godrej or equivalent	3	No.		
	4) Customer chair 3 seater	1	No.		
				Total	
				Gst	
				Grand Total	

Name of work: Air condition work of Gulana Branch Distt. Shajapur, Zonal office Indore

AIR-CONDITIONING WORKS :

Air-conditioning System (5 Star - Wall mounted Split Unit)

Equipment Make – Voltas/carrier/Blue star- 5 star split & 5 star or Equivalent energy saving

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

S. No	SPLIT TYPE AIR CONDITIONERS
A.	PART -A
	HIGH SIDE WORK

	Description	Unit	Qty.	Rate	Amount
1	Supplying, erection, testing and commissioning following wall mounted Split/ Roof mounted cassette units of Bluestar 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 3 Mtr. length).				
a	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.	4		
	PART A –HIGH SIDE WORK SUB TOTAL AMOUNT			Total	

B.	PART –B				
	LOW SIDE WORK				
1	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 outdoor Units) Beyond 3 M.				
	For 1.5 T Split unit	Mtr.	14		
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. inclusive of finishing of wall / jhiri etc. comp.				
a	25 mm dia PVC drain pipe for Split AC	Mtr.	30		

3	AUTOMATIC VOLTAGE CONTROLLER				
	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/Equivalent Reputed Make) (copper winding).				

a	3 KVA (For 1.0/ 1.5 TR Split AC)	Nos.	4		
4	AIR-CONDITIONERS STAND				
1	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 employer.Size shall be adequate for AC outdoor size & sufficient space around the outdoor suitable for servicing purpose for Outdoor unit.				
a	Powder coated readymade stands For 1.5 TR Hi Wall split units	Nos.	4		
5	ELECTRICAL CABLES				
	Suitable IS/BIS standard Cable of 1.1-2.2 KV, Multi strand, FRLS 2- 4 C / /2.5 – Sqmm 3 core) 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				
a	Supplying and laying of Extra Electrical interconnecting control cable from indoor to outdoor of size as specified by the manufacturer suitable for 1.0 TR/ 1.5/2.0 TR Split type AC.	Mtr.	15		
7	CORE CUTTING				
a	Core cutting member in Non RCC with finishing	No.	4		
	PART B –LOW SIDE WORK SUB TOTAL AMOUNT				
	PART A –HIGH SIDE WORK SUB TOTAL AMOUNT				
	PART B –LOW SIDE WORK SUB TOTAL AMOUNT				
	GRAND TOTAL (PART A + PART B+ Part C)				
	Say				
Note: The rates quoted includes all other taxes, duties, loading, unloading , transportation, other expenses etc. to site only GST will be paid Extra					

Total =

Amount in words: TWO LAKH SEVENTEEN THOUSAND ONLY

Amount with out GST

GST @18%

Total cost with GST

A	Cost of Electrical work =
B	Cost Of Interior furnishing work =
C	Cost Of Airconditioning work =

D

Total cost of work =
