

PRICE BID OF ELECTRICAL AND AC WORKS OF NEW BRANCH AGRI C.P.C OF SBI AT FIRST FLOOR VIDHYA NAGAR HOSHANGABAD ROAD, BHOPAL(MP)					
S.N	Description of items	Qty	Unit	Rate	Amount
1	ELECTRICAL WIRING				
	Providing, fixing, testing and commissioning of POINT WIRING of any length for light point/Wall fan point/Exhaust fan point/ Call bell point/ including call bell/ including fan box(if required), 'S' type fan hook etc with 3 X 1.5 Sq.mm(P/N/E) PVC 650V/1100V Grade FRLS WIRE insulated copper conductor single core multi stranded wire in 16 SWG(Medium Gauge) stove enamelled rigid steel conduit 20mm/25mm with conduit accessories like bend, junction box etc in concealed/surface manner as per site requirement with suitable Modular Switches/sockets with plate and Metal/PVC box, Scaddle, angle bracket (if required), 3 plate ceiling rose/bulb holder etc. The floor/roof/wall junction box should be of MS(heavy duty) box of suitable size and covered with Steel finish Steel cover sheet by screw tight and gasket to avoid water/dust insertion. The item includes Circuit wiring from DB to the switch board with 3x2.5 Sq.MM. The above wiring carried out surface or recess in wall/floor/roof should be cutting by cutter/chisling, replastering, curing, painting with uniform and smooth finish by specialised workman ship and making the surface neat afterwards complete in all respect as per direction of Bank Engg. (EACH Circuit to take NOT MORE than 7-8 points) The conduit/ Flexible conduit/junction box/metal modular box etc must be joined by gland and check nut at both ends. (each circuit to be controlled by one MCB). The colour code of wire are as under: Phase- Red, Neutral- Black, Earth-Green Make of Material for items of BOQ:- (i) Modular Type Switch/socket/step electronic fan regulator plate box TV/telephone bulb holder/3 pin				
a	Providing and fixing of point wiring with above specifications. One light point controlled by one switch.	50	Nos.		
b	Providing and fixing of point wiring with same above specifications. Two light points to be controlled by one switch.	20	Nos		
C	Providing and fixing of ceiling fan point controlled as under	12	Nos.		
d	providing and fixing 6 Amps Plug Points with same specs as above and install along with same light switchboard	10	Nos		
e.	Master switch of 16 Amps(Only Grey/Golden/Wooden colour other than white colour) to install alongwith	8	Nos		
2	6 AMP. POINTS ON SEPARATE BOARD :Supply,fixing,testing and commissioning of 1 No 6 A	12	Nos		
3	Power Wring (6 / 16 AMP. POWER POINTS). Supply, fixing, testing and commissioning of 1 No 16 A switch & 1	12	Nos		
4	SPECIAL POINTS : (For Computers). Supply, fixing, testing and commissioning of following Modular type switch socket with cover plate, PVC modular box on Surface / sheet steel box in concealed manner l/c	18	Nos		
5	AC/Geyser Point (Single Phase). Supply, Installation, Testing and commissioning of the surface / recess mounting A.C. / GEYSER power point with the followings	6	Nos		

6	AC Point (Three Phase). Supply, Installation, Testing and commissioning of the surface / recess mounting A.C. Cassette power point with the followings : Metal enclosure Four way with one Nos 22 Amp FR MCB	2	Nos		
7	CIRCUIT WIRING :(FRLS WIRE) Supply , installation, testing & commissioning of FRLS circuit wiring measured in numbers with suitable size of MS conduit 1.6 mm thick and 25mm dia. The wiring in MS conduit is as per IS code. The average length of wiring around between(25-30) Mtr.				
7. A	3 X 2.5 sqmm (For UPS Circuit/6 amp Separate Board) in suitable size of 16 SWG (MMS) steel conduit as per IS code.	12	Nos		
7.b	3 X 4.0 sqmm (For AC/Power Circuit) in suitable size of 16 SWG (MMS) steel conduit as per IS code.	16	Nos		
8	UPS OUTGOING & OTHER FRLS WIRING, As Per Requirement.				
a	3 X 1.5 Sqmm copper multistread FRLS wire in suitable size of 16 SWG (MMS) steel conduit.	5	R.Mtr		
b	3 X 2.5 Sqmm copper multistread FRLS wire in suitable size of 16 SWG (MMS) steel conduit.	5	R.Mtr		
c	3 X 4 Sqmm copper multistread FRLS wire in suitable size of 16 SWG (MMS) steel conduit.	60	R.Mtr		
d	3 X 6 Sqmm copper multistread FRLS wire in suitable size of 16 SWG (MMS) steel conduit.	30	R.Mtr		
e	5 X 4 Sqmm. Copper multistrend FRLS wire in suitable size of 16 SWG (MMS) steel conduit (For Cassette AC)	40	R.Mtr		
9	DISTRIBUTION BOARDS				
	All MCB to be "C" series				
a	B.INCOMING SWITCHGEARS :(RYB LED Indicators for Both Main/DG) (i) 1 No. FP.125 A , 25 KA MCCB with thermal magnetic trip unit with digital voltmeter & ammeter with suitable size of CTs, selector switch etc. C. OUTGOING SWITCHGEARS: (i) 1 Nos- 125Amp TP MCCB for main with 200amp bus bar with indicator. (ii) 160 amp onload changeover with 1 Nos 125 amp 25 KA, TP MCCB for DG supply with 200 amp bus bar with indicator (iii) 200 amp bus bar for parallel connection with DG	1	Nos		
f)	Supply & Installation of SDP(Surge Protector Device) for general protection of main Distribution Board Legrad Make Cat No. 412247 (3P+N) , 40 KA, T2- I _{max}	1	Nos		
h	Providing & fixing 6 way vertical load line double door D.B for AC with 100 Amp. TP MCCB incomer and outgoing to be 3 Nos 32 amp TP MCB, 9 Nos 32 amp SP MCB FOR AC	1	Nos		
g	Providing and fixing 6 way TPN double door DB for LIGHT /POWER POINTS with 63 Amp TPN , controlling 18 Nos. 10/16/32 Amps SPMCBs. & Complete.	1	Nos.		
M	Providing and fixing 4 way TPN double door DB for LIGHT /POWER POINTS with 63 Amp TPN , controlling 12 Nos. 16/20 Amps SPMCBs. & Complete	1	Nos		
N	Providing and fixing (12) way SPDB double door type For UPS points with 1x32 Amps DP, controlling 10 Nos, 16	1	Nos.		
p.	Providing and fixing (4) way TPN double door type For UPS INPUT with 1x63 Amps TPN and 63 amp DP MCB- 3 Nos & 3 Nos, 32 amp SP MCB complete (E-lobby/UPS	1	Nos.		
Q	Providing and fixing of Kit Kat Rewirable Porcelian fuse carrier & base with wooden frame of 200 amp/415 Volt	1	Set		
10	CABLES				

	Supplying, unloading, storage, laying, testing and commissioning of PVC/XLPE insulated (Heavy Duty) Al/Cu conductor armoured cable suitable for working				
g	3.5 X 50 Sq.mm XLPE. Al. armoured Cable(AC VTPN & BUS BARS)/Main cable	40	Mtr		
i)	4X 25 Sq.mm XLPE.Al.armoured Cable (POWER/LIGHT/UPS)	40	Mtr		
J	4X 16 Sq.mm XLPE.Al.armoured Cable (LIGHT/UPS)	30	Mtr		
11	EARTHING				
(i)	COPPER PLATE EARTH STATION: Preparation of the Plate Earth Station:(As per IS:3043) (a) Excavation of hard rocky earth, soft murrum, hard	2	Nos		
(ii)	G.I.PLATE EARTH STATION : Preparation of the Plate Earth Station: (as per IS:3043) (a) Excavation of rocky earth, soft murrum, hard murrum	3	Nos		
(iii)	Providing and fixing Copper/GI strip as per specification complete including connection to earth electrode revetting/sweating/soldering, burying 15 cms below in all types of soil/rocks etc complete as requiued.	5	Mtr.		
	(b) G.I.Strip 25 X 5 mm	20	Mtr		
(iv)	Supply and laying of 10 Sq.mm 650V/1100 V PVC grade insulated copper wire in 15 mm G.I. Pipe ISI grade including all accessories complete as required.(20	Mtr.		
13	TELEPHONE POINT				
(i)	Two pair, 0.61 mm dila. telephone cable tinned copper conductor, P.V.C. insulated and sheathed , fire retarding, anti termite, colour coded twisted pairs and rip cord, Double outlet The length of telephone cable upto 35	9	Nos		
(ii)	Supplying and fixing of krone telephone tag block on surface/ recess mounted with its accessories suitable for the multi core telephone cable and shall accommodate tinned phosphor bronze connectors, the connectors shall	1	Nos		
14	DATA CABLING FOR LAN				
a	Providing, fixing, testing and commissioning of all nodes of four pair UTP CAT 6 LAN cables length upto 30 meter length or less as per site condition in suitable size 20/25 mm dia, 16 SWG wall thickness rigid PVC conduit with conduit accessories like bend/junction box/ fan box etc on surface/recessed manner and making good all the damages, painting, cleaning the site etc complete as required as per site condition and as directed as required. Junction box should be covered with Stainless steel plate with screw with gasket for protection of water/dust. Providing, fixing, testing and commissioning of modular type Information Outlets with suitable size of MS/PVC modular boxes complete, all accessories with insulation displacement connectors etc suitable for CAT 6 UTP cabling with RJ-45 socket with testing and commissioning of STP cabling with scanner for all the	12	Nos		
C	Providing and fixing Patch Panels 16 port (100 base TX) CAT 6 patch/jack panel with connector, outlets and necessary connectivity complete as required & (D-Link	1	Nos		
f)	Providing, assembling, fixing, testing and commissioning Floor/Wall mounted RACKS for gig switches, patch panels etc including cooling DUAL fan trays, a 10 Point PDU, Fixed Trays as necessary complete. 9 U wall mounted RACK	1	Nos		
g	Providing and fixing of flowing factory fabricated Patch cords. (UTP/CAT 6 complete with connector on both side.)				
i)	for 1 Mt. long	12	Nos.		
ii)	for 2 Mt. long	12	Nos		

h	Providing, fixing, testing and commissioning of four pair CAT 6 LAN cable in suitable size of 20/25mm PVC medium gauge 16SWG conduit including all accessories	50	Mtr		
15	TV POINT:- Supply, installation, testing and commissioning of TV point (Modular) with RG-6 cable in the Medium Gauge 1.6 mm PVC Conduit with all accessories	1	Nos		
16	Supply and installation of Vinyl sticker for on Electrical DBs like, " Switch Off at Night" , Switch Off For Safety,	10	Nos		
17	Making & Providing of 3 sets of Asbuilt Drawing with coloured print for entire Electrical work (Power/UPS/Light/Data/Telephone/AC etc.) as advised by the Bank's Authority	1	Lum sum		
	Description of light /fan fixture				
19	LED LUMINAIRES:- 2' x2' (FULL GLOW TYPE) LED light fittings (600 X600mm) dimension suitable for grid/gypsum ceiling complete with its electronic driver as required per instruction of Bank's Model No are as under:-	24	Nos		
21	LED DOWNLIGHTER:- 15 Watt, recessed mounted circular down lighter , 6" dimension with complete its electronic driver are as under:-	22	Nos		
25	LED Spot Light, 3 Watt, 2/3"(Inches) size as per site requirement. PHILIPS WIPRO HAVELLS CC	6	Nos		
26	LED COVE/ STRIP LIGHT WITH ITS ELECTRONIC DRIVER(BLUE COLOUR):- Supply, installation, testing and commissioning of bright LED strip light with its	40	Mtr		
27	Providing & fixing of "Digital Clock" /Digital Panel indicating Time, Day, Date, Temperature at outside of	1	Nos		
28	BOX TYPE LUMINAIRES: LED TUBE FITTINGS, 1200mm, 18/20 Watt PHILIPS WIPRO HAVELLS CC	12	Nos		
29	CEILING FAN:- Single phase heavy duty grease filled double ball bearing, aerodynamically designed heavy gauge aluminium	12	Nos		
30	EXHAUST FAN:- Single phase, 300mm sweep, 900 rpm, metallic exhaust fan of the following single phase Exhaust fan continuously rated, capacitor start and run type, totally enclosed and ruggedly built, pre lubricated double ball bearing, copper	4	Nos		
	(A) TOTAL ELECTRICAL				
(B)	AIR CONDITIONING				
	Supply, installation, testing and commissioning of following AIR CONDITONERS as under. The Rate shall be inclusive of all taxes excluding GST. GST will be paid additionally by the Bank as applicable subject to GST Number. and system has complete one year warranty & If any additional warranty provided by				

1	Supply, installation, testing and commissioning of Higher Efficient models of SPLIT AC, FIVE STAR INVERTER RATING OF BEE AIR CONDITIONERS 1.5 Ton Machines confirming to latest Indian Standards and suitable for operation on 230 Volts + 10 %, single Phase, 50 Hz AC supply with rotary compressor, Refrigerant and capable to perform cooling, dehumidifying, Air Circulating, auto mode, auto swing, anti bacteria filtering, ventilation and with remote control with Cool/Fan/Dry/Auto mode, sleep mode & on/off timer with suitable thermostat. The rate should include installation charges after making appropriate changes in existing false ceiling. Heavy ready made/fabricated M S Stand to house the out door unit as per site conditions including carpentry work, minor civil work and material	1	Nos		
2	Supply, installation, testing and commissioning of Higher Efficient models of CASSETTE TYPE AIR CONDITIONERS(Three) 2.0 Ton Machines confirming to latest Indian Standards and suitable for operation on 230 Volts + 10 %, single Phase, 50 Hz AC supply with Scroll compressor, Refrigerant and capable to perform cooling, dehumidifying, Air Circulating, auto mode, auto swing, anti bacteria filtering, ventilation and with remote control with Cool/Fan/Dry/Auto mode, sleep mode & on/off timer with suitable thermostat. The rate should include installation charges after making appropriate changes in existing false ceiling. Heavy ready made/fabricated M S Stand to house the out door unit as per site conditions including carpentry work, minor civil work and cabling from indoors to outdoors	5	Nos		
3	Supply, installation, testing and commissioning of Higher Efficient models of CASSETTE TYPE AIR CONDITIONERS(Three) 3.0 Ton Machines confirming to latest Indian Standards and suitable for operation on 415 Volts + 10 %, three Phase, 50 Hz AC supply with Scroll compressor, Refrigerant and capable to perform cooling, dehumidifying, Air Circulating, auto mode, auto swing, anti bacteria filtering, ventilation and with remote control with Cool/Fan/Dry/Auto mode, sleep mode & on/off timer with suitable thermostat. The rate should include installation charges after making appropriate changes in existing false ceiling. Heavy ready made/fabricated M S Stand to house the out door	2	Nos		
4	Supply and installation of soft & prime quality of min. 22 G Copper pipe for " Split AC only" with class "o" Nitrile insulation of minimum 12mm for split air conditioner including interconnection power/ communication cable between indoor and outdoor unit as per site requirement. (If required additionally, payment will made as per actual installtion. The rate inclusive of all kind work including finishing painting & all unit	10	Mtr		

5	Supply and installation of hard & prime quality of min. 22 G Copper pipe for "Cassette AC Only" with class "o" Nitrile insulation of minimum 12 mm for 3 / 4 ton cassette type air conditioner including interconnection power/ communication cable between indoor and outdoor unit as per site requirement.(If required additionally, payment will made as per actual	100	Mtr		
6	Drain Pipe (If Required additional) Applicable to both ACs(Cassette & Split AC). Supply and laying of heavy gauge PVC drain piping of 40mm with insulation as per site requirement with its all accessories like bend, solution etc as per site condition. The rate inclusive of all chisel work, plastering, finishing, painting & all civil	80	Mtr		
7	Providing & fixing of 4 KVA Voltage stabilizer with time delay option including all accessories with installation at site (For 1Tr /1.5Tr Split AC & 1.5 Tr Cassette AC) Make:- Microtek, V-Gards (Voltage Range 150- 280 Volts)	1	Nos		
8	Providing & fixing of 5 KVA Voltage stabilizer with time delay option including all accessories with installation at site (For 2Tr Split AC & 2 Tr Cassette AC) Make:- Microtek, V-Gards. (Voltage Range 150- 280 Volts)	5	Nos		
TOTAL:- (.B) AIR CONDITIONING WORK					
SUMMARY:-					
(A) SUB- TOTAL OF ELECTRICAL WORK					
(B) SUB- TOTAL OF AIR CONDITIONING WORK					
TOTAL(A+ B)					
Dis count, if any (In percentage (%) on above Total)					
Final Grand Total (Total- Discount) (Rs)					

GST will be paid additionally as applicable