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<th>S.N</th>
<th>Description of items</th>
<th>Qty</th>
<th>Unit</th>
<th>Rate</th>
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<tr>
<td>1</td>
<td>ELECTRICAL WIRING</td>
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|     | 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 FR 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/chieling, replastering, curing, painting with uniform and smooth finish by specialised workmanship 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 providing and fixing of point wiring with above specifications. One light point controlled by one switch. a Providing and fixing of point wiring with above specifications. One light point controlled by one switch. b Providing and fixing of point wiring with same above specifications. Two light points to be controlled by one switch. c Providing and fixing of ceiling fan point controlled as under (i) one 6 amp switch (ii) one no stepped electronic regulator of two module type. d providing and fixing 6 Amps Plug Points with same specs as above and install along with same light switchboard e. Master switch of 16 Amps (Only Grey/Golden/Wooden colour other than white colour) to install along with same light switchboard. 6 AMP. POINTS ON SEPARATE BOARD: Supply, fixing, testing and commissioning of 1 No 6 A Multi Socket with 1 No. 6 A switch (Modular type) with cover plate, 14 Nos. Power Wiring (6 / 16 AMP. POWER POINTS). Supply, fixing, testing and commissioning of 1 No 16 A switch & 1 No.six pin 6/16 Amp. Multi Socket (Modular Type) with cover plate, 14 Nos. 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 I/c electrical connections and 16 Nos. AC/Geyser Point (Single Phase). Supply, Installation, Testing and commissioning of the surface / recess mounting A.C. / GEYSER power point with the followings : Mera Plug and Socket DBs with one Nos. 20 Amp SP MCB, 6 Nos. CIRCUIT WIRING: 6.1 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. 10 Nos. 6.2 3 X 4.0 sqmm (For AC/Power Circuit) in suitable size of 16 SWG (MMS) steel conduit as per IS code. 15 Nos. UPS OUTGOING & OTHER WIRING, As Per Requirment. (a) 3 x 10 Sqmm copper multistreand wire in 25 mm 16 SGW (MMS) steel conduit. (UPS INPUT DB TO UPS) 5 R.Mtr
3 X 1.5 Sqmm copper multistreand wire in suitable size of 16 SWG (MMS) steel conduit.

3 X 2.5 Sqmm copper multistreand wire in suitable size of 16 SWG (MMS) steel conduit.

3 X 4 Sqmm copper multistreand wire in suitable size of 16 SWG (MMS) steel conduit.

3 X 6 Sqmm copper multistreand wire in suitable size of 16 SWG (MMS) steel conduit.

8 DISTRIBUTION BOARDS

All MCB to be "C" series

8.1 Providing and fixing 4 way TPN double door DB for LIGHT/POWER POINTS with 63 Amp TPN, controlling 12 Nos. 16/32 Amps SPMCBs. & Complete.

8.2 Providing and fixing (12) way SPDB double door type For UPS points with 1x32 Amps DP, controlling 10 Nos, 16 AMP SPMCB

8.3 Providing and fixing (8) way SPDB double door type For Light DB only for Emergency Lights like glow sign etc with 1x32 Amps DP, controlling 6 NO.10 A./16 AMP SPMCB

9 CABLES

Supplying, unloading, storage, laying, testing and commissioning of PVC/XLPE insulated (Heavy Duty) Al/Cu conductor armoured cable suitable for working voltage upto and including 1100 V grade, laid and tied on existing overhead cable trays, or laid and tied over MS supports in masonry trenches with copper/al cable lugs, single compression brass cable glands, tapping, crimping etc. as required and all cables run with double run (2 No.) of GI wire of 8 SWG size. The size of cables are as under:-

Make of Material:-
(i) PVC/XLPC Armoured cable:- Finolex, Havells, RR cable, CCI(Cable Corp. of India)
(ii) Cable Termination:- Dowells, Comet

9.1 4X 25 Sq.mm XLPE.Al.armoured Cable (POWER/LIGHT/UPS)

9.2 4X 16 Sq.mm XLPE.Al.armoured Cable (LIGHT/UPS)

10 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 murrum etc and back filling with black cotton soil for the earth station, the earth pit size is 1000 mm X 1000 mm X 2500 mm.
(b) Supply and fixing of Copper Plate of Size 600 mm X 600 mm X 3.0 mm thick.
(c) Fixing of 50 mm X 6 mm, 3 Mtrs copper strips from Copper Plate to earth terminal including brazing/welding at plate etc.
(d) Supply and laying in position 19 mm, 2 Mtrs G.I "B" Class pipe for watering with reducer/funnel with mesh.
(e) Supply and Fixing of the following in the earth station.
(i) 75 Kg. Charcoal.
(ii) 15 Kg. Original Salt.
## G.I.PLATE EARTH STATION:
Preparation of the Plate Earth Station: (as per IS:3043)

(a) Excavation of rocky earth, soft murrum, hard murrum etc and back filling with black cotton soil for the earth station, the earth pit size is 1000 mm x 1000 mm x 2500 mm deep.

(b) S/F of G.I. plate of size 600 x 600 x 6.0 mm thick.

(c) S/F fixing 50 mm x 6 mm, 3 mtrs G.I. strips from G.I. plate to earth terminal including brazing / welding at plate etc.

(d) Supplying and laying in position 19 mm, 2 mtrs G.I. ‘B’ class pipe for watering with reducer/funnel with mesh.

(e) S/F of the following in the earth station.
75 Kg. Charcoal, 15 Kg. Original Salt, and Black Cotton soil of adequate amount.

(f) Construction of earth pit chamber including necessary brick work, concrete, plastering, S/F of C.I. Cover of size 12” x 12” 1 Nos.

### Provide 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 required.

(i) Copper Strip 25 X 5 mm 10 Mtr.

(ii) G.I. Strip 25 X 5 mm 10 Mtr.

### 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.

#### Dedicated Earthing for UPS output DB only

40 Mtr.

### TELEPHONE POINT

(i) Two pair, 0.61 mm dia. 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 up to 35 meter length or less as.

8 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 tin-plated phosphor bronze connectors, the connectors shall splice unskinned.

1 Nos

(iii) Supply, installation, testing and commissioning of the following size jelly filled armoured telephone cable.

20 Mtr

### DATA CABLING FOR LAN

(a) Providing, fixing, testing and commissioning of all nodes of four pair UTP CAT 6 LAN cables length up to 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 shall 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 nodes/switches/jack panel complete (Each point/circuit/cable from both load and source end to be marked with ferrules.)

Make of Material:

(i) Data Cable, Cat 6 cable, Switch, Jack panel, Rack, Patch cords & Other accessories:- D-Link, Legrand

14 Nos
| **b** | Providing and fixing Patch Panels 24 port (100 base TX) CAT 6 patch/jack panel with connector, out lets and necessary connectivity complete as required & (D-Link make) | 1 Nos |
| **c** | 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 |
| **d** | Providing and fixing of flowing factory fabricated Patch cords. (UTP/CAT 6 complete with connector on both side.) | |
| **e** | 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 to interconnect the | 150 Mtr |
| **13** | Supply and installation of Vinyl sticker for on Electrical DBs like, "Switch Off at Night", "Switch Off For Safety", etc | 10 Nos |
| **14** | 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 Lums |
| **15** | Removal and dismantling of all existing old wiring, switchgears, DBs, changeover, main switch, old casing capping, old wooden casing capping, all type of light/fan fixtures and kept them in good condition with in 200 meter of | 1 Lums |
| **16** | **Description of light/fan fixture** | |
| **17** | **LED LUMINARES:** 2' x 2' (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: - PHILIPS:- RC380B G2 LED 35S-6500 PSU OD WH LED (FULLGLOW) | 14 Nos |
| **18** | **LED DOWNLIGHTER:** 15 Watt, recessed mounted circular down lighter , 6" dimension with complete its electronic driver are as under: - PHILIPS:- GREENLED-DN193B LED-12S-6500 PSU | 16 Nos |
| **19** | **LED DOWNLIGHTER:** SURFACE MOUNTED FOR FRONT SIDE(INTERNAL) 15 Watt, surface mounted circular/square down lighter , 6" | 2 Nos |
| **20** | **BOX TYPE LUMINAIRES:** LED TUBE FITTINGS, 1200mm, 18/20 Watt PHILIPS/WIPRO/HAVELLS/CG | 2 Nos |
| **20** | **CEILING FAN:** Single phase heavy duty grease filled double ball bearing, aerodynamically designed heavy gauge aluminium blades, copper wounded and impregnated silicon stamping motors etc 1200 mm sweep, brilliant white CG/USHAV/ORIENT/HAVELLS | 9 Nos |
| **(A) TOTAL ELECTRICAL** | | |
| **(B) AIR CONDITIONING WORK** | | |
| **Supply, installation, testing and commissioning of following AIR CONDITIONERS as under. The Rate shall be inclusive of** | |
Supply, installation, testing and commissioning of Higher Efficient models of SPLIT AC, THREE STAR 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 including copper piping of hard & prime quality of min. 22 G upto 3 metres with class "o" Nitrile insulation 12mm , cabling from indoor to outdoor unit, heavy gauge PVC drain piping with insulation as per site requirement. The copper piping, drains piping and electrical cabling should be fixed with clamps and no loose piping/cabling is allowed. The out door unit should be anti-rust powder coated. Indoor unit should have LED display. The rates inclusive of all repairs of.

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<td>Supply, installation, testing and commissioning of Higher Efficient models of SPLIT AC, THREE STAR 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 &amp; 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 including copper piping of hard &amp; prime quality of min. 22 G upto 3 metres with class &quot;o&quot; Nitrile insulation 12mm , cabling from indoor to outdoor unit, heavy gauge PVC drain piping with insulation as per site requirement. The copper piping, drains piping and electrical cabling should be fixed with clamps and no loose piping/cabling is allowed. The out door unit should be anti-rust powder coated. Indoor unit should have LED display. The rates inclusive of all repairs of.</td>
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<td>2</td>
<td>Supply and installation of soft &amp; prime quality of min. 22 G Copper pipe for &quot; Split AC only&quot; with class &quot;o&quot; 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 installation. The rate inclusive of all chisel work, plastering, finishing, painting &amp; all civil related work pertaining to mentioned work. Make of Insulation:-Superlon/Aflex/Armacell/Kflex Make of cable:-Finolex/RR/Havells</td>
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<td>3</td>
<td>Drain Pipe ( If Required additional) Applicable to both ACS(Cassette &amp; 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 &amp; all civil related work pertaining</td>
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<td>4</td>
<td>Providing &amp; fixing of 4 KVA Voltage stabilizer with time delay option including all accessories with installation at site ( For 1Tr /1.5Tr Split AC &amp; 1.5 Tr Cassette AC) Make:-Microtek, V-Gards (Voltage Range 150- 280 Volts)</td>
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TOTAL:-(B) AIR CONDITIONING WORK

SUMMARY:-

(A) TOTAL OF ELECTRICAL WORK
(B) TOTAL OF AIR CONDITIONING WORK

GRAND TOTAL( A+ B )

GST will be paid additionally