S.N | Description of items | Qty | Unit | Rate | Amount
--- | --- | --- | --- | --- | ---
1 | ELECTRICAL WIRING | 20 | Nos. | 0.0 | 0.0

- 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 stvanced 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/chiseling, replastering, curing, painting with uniform and smooth finish by specified 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 ceiling rose with all accessories:- Lergand/ Anchor(Roma)/MK/ Crabtree

(ii) MS conduit/PVC conduit with all accessories:- BEC/AKG/NIC/ Precision

<table>
<thead>
<tr>
<th></th>
<th>Description of items</th>
<th>Qty</th>
<th>Unit</th>
<th>Rate</th>
<th>Amount</th>
</tr>
</thead>
</table>
a | Providing and fixing of point wiring with above specifications. One light point controlled by one switch. | 20 | Nos. | 0.0 | 0.0
b | Providing and fixing of point wiring with same above specifications. Two light points to be controlled by one switch. | 10 | Nos. | 0.0 | 0.0
C | Providing and fixing of ceiling fan point controlled as under (i) one 6 amp switch | 8 | Nos. | 0.0 | 0.0
d | providing and fixing 6 Amps Plug Points with same specs as above and install along with same light switchboard | 4 | Nos. | 0.0 | 0.0
e | Master switch of **16 Amps ( Only Grey/Golden/ Wooden colour other than white colour)** to install along with same light switch board to control all lights as a master switch ON/OFF in each switch board | 6 | Nos. | 0.0 | 0.0

2 | 6 AMP POINTS ON SEPARATE BOARD: Supply, fixing, testing and commissioning of 1 No 6 A Multi Socket with 1No. 6 A switch (Modular type) with complete plate, sheet steel box / PVC modular box etc. | 20 | Nos. | 0.0 | 0.0
3 | 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 | 20 | Nos. | 0.0 | 0.0
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 i/c electrical connections and making good all the damages, painting, | 30 | Nos. | 0.0 | 0.0
5 | **AC/Geyser Point (Single Phase).** Supply, Installation, Testing and commissioning of the surface / recess mounting A.C. / GEYSER power point with the followings: Metra Plug and Socket DBs with one Nos 20 Amp SP MCB, 20 Amp plug and socket with complete Enclosure plate and box.- 1 set i/c electrical connections and making good all the damages, painting, cleaning the site etc complete including all accessories as required as | 2 | Nos. | 0.0 | 0.0
6 | **AC Point (Three Phase).** Supply, Installation, Testing and commissioning of the surface / recess mounting A.C. Cassette power point with the followings: Metal enclose Four way with one Nos 32 Amp FP MCB with complete Enclosure plate and box.- 1 set i/c electrical connections and making good all the damages, painting, cleaning the site etc complete as | 2 | Nos. | 0.0 | 0.0
7  CIRCUIT WIRING :

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.  
7. B  3 X 4.0 sqmm (For AC/Power Circuit) in suitable size of 16 SWG (MMS) steel conduit as per IS code.

8  UPS OUTGOING & OTHER WIRING, As Per Requirement.

(a)  3 x 10 Sqmm copper multistream wire in 25 mm 16 SGW (MMS) steel conduit. (UPS INPUT DB TO UPS)  
(b)  3 X 1.5 Sqmm copper multistream wire in suitable size of 16 SWG (MMS) steel conduit.  
(c)  3 X 2.5 Sqmm copper multistream wire in suitable size of 16 SWG (MMS) steel conduit.  
(d)  3 X 4 Sqmm copper multistream wire in suitable size of 16 SWG (MMS) steel conduit.  
(e)  5 X 4 Sqmm. Copper multistream wire in suitable size of 16 SWG (MMS) steel conduit (For Cassette AC)  
(f)  3 X 6 Sqmm copper multistream wire in suitable size of 16 SWG (MMS) steel conduit.

9  DISTRIBUTION BOARDS

All MCB to be “C” series

9.1 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.

9.2 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.

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

9.4 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

9.5 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 Output)

10  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

a  4X 25 Sq.mm XLPE.Al.armoured Cable (POWER/LIGHT/UPS)  
b  4X 16 Sq.mm XLPE.Al.armoured Cable (LIGHT/UPS)

11  TELEPHONE POINT

(i) Two pair, 0.61 mm dla. 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.
<table>
<thead>
<tr>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>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 entire unskinned cables up to 0.61 mm dia and shall be filled armoured telephone cable.</td>
<td>1 Nos</td>
</tr>
<tr>
<td>Supply, installation, testing and commissioning of the following size jelly filled armoured telephone cable.</td>
<td>40 Mtr</td>
</tr>
</tbody>
</table>

### 12 DATA Cabling FOR LAN

<table>
<thead>
<tr>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>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 shuld 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 &amp; Other accessories:- D-Link, Legrand</td>
<td>28 Nos</td>
</tr>
<tr>
<td>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 &amp; (D-Link make)</td>
<td>2 Nos</td>
</tr>
<tr>
<td>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</td>
<td>1 Nos</td>
</tr>
<tr>
<td>Providing and fixing of flowing factory fabricated Patch cords. (UTP/CAT 6 complete with connector on both side.)</td>
<td>28 Nos.</td>
</tr>
<tr>
<td>for 1 Mt. long</td>
<td>28 Nos</td>
</tr>
<tr>
<td>for 2 Mt. long</td>
<td>28 Nos</td>
</tr>
<tr>
<td>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 switches from different location</td>
<td>100 Mtr</td>
</tr>
</tbody>
</table>

### 13 Supply and installation of Vinyl sticker for on Electrical DBs like, "Switch Off at Night", Switch Off For Safety, etc | 5 Nos |

### 14 Making & Providing of 3 sets of Asbuilt Drawing with coloured print for enter Electrical work (Power/UPS/Light/Data/Telephone/AC etc.) as advised by the Bank's Authority | 1 Lum sum |

### 15 Removal and dismentalling 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 the premises in any location as per direction of Bank. | 1 Lum sum |

### 16 Description of light/fan fixture

- **Providing & fixing of "Digital Clock"/Digital Panel indicating Time, Day, Date, Temperature at outside of big size,(Ajanta - OLC-1070) as suitable over the facade as advised by the Bank with standard power back up. Make:- Ajanta, Titan | 1 Nos
17 TITANIA LED TUBE LIGHT(SINGLE SIDE CONNECTION):- (LEDTube Rod) Ultra Bright LED Tubelight(single side connection) with very high efficiency suitable for installtion in existing tubelight G13 lamp holder to give glare free light
PHILIPS/WIPRO/HAVELLS/CG

18 CEILING FAN:
Single phase heavy duty grease filled double ball bearing, aerodynamically designed heavy gauge aluminium blades, copper wound and impregnated silicon stamping motors etc

(A) TOTAL ELECTRICAL

(B) AIR CONDITIONING WORK
Supply, installation, testing and commissioning of following AIR CONDITIONERS as under. The Rate shall be inclusive of all taxes

<table>
<thead>
<tr>
<th></th>
<th>Supply, installation, testing and commissioning of Higher Efficient models of SPLIT AC, THREE STAR RATING OF BEE AIR CONDITIONERS</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>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</td>
<td>1 Nos</td>
</tr>
<tr>
<td>2</td>
<td>2.0 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 insulation 12mm, cabling from indoor to outdoor unit, on as per site requirement. The rates inclusive of all repairs of civil and electrical cabling should be fixed with clamps and no loose piping/cabling is allowed.</td>
<td>2 Nos</td>
</tr>
<tr>
<td>3</td>
<td>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 &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 insulation 12mm, cabling from indoor to outdoor unit, on as per site requirement. The rates inclusive of all repairs of civil and electrical cabling should be fixed with clamps and no loose piping/cabling is allowed.</td>
<td>5 Nos</td>
</tr>
</tbody>
</table>
4. 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 be made as per actual installation.) The rate inclusive of all chisel work, plastering, finishing, painting & all civil related work pertaining to mentioned work. Make of Insulation:- Superlon/Aflex/Armacell/Kflex. Make of cable: Finolex/RR

5. Supply and installation of soft & prime quality of min. 22 G Copper pipe for "Split AC only" with class "o" Nitrile insulation of minimum 12 mm for split air conditioner including interconnection power/communication cable between indoor and outdoor unit as per site requirement. (If required additionally, payment will be made as per actual installation. The rate inclusive of all chisel work, plastering, finishing, painting & all civil related work pertaining to mentioned work.

6. Drain Pipe (If Required additional) Applicable to both ACs(Cassette & Split AC). Supply and laying of heavy gauge PVC drain piping of 40 mm 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 related work pertaining to mentioned work. (If required additionally, payment will be made as per actual installation.)

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)

8. Providing & fixing of 5 KVA Voltage stabilizer with time delay option including all accessories with installation at site (For 2Tr / Split AC & 2Tr Cassette AC) Make:-Microtek, V-Gards (Voltage Range 150-280)

9. Deinstallation and Refixing of Existing split AC after necessary cleaning with gas topping as required in the new location as per site condition inclusive all necessary civil machinery, ply & electrical work.

10. Deinstallation and Refixing of Existing CASSETTE AC after necessary cleaning with gas topping as required in the new location as per site condition inclusive all necessary civil machinery, ply & electrical work.

<table>
<thead>
<tr>
<th>TOTAL:- (.B) AIR CONDITIONING WORK</th>
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</thead>
<tbody>
<tr>
<td>SUMMARY:--</td>
</tr>
<tr>
<td>(A) TOTAL OF ELECTRICAL WORK</td>
</tr>
<tr>
<td>(B) TOTAL OF AIR CONDITIONING WORK</td>
</tr>
<tr>
<td>GRAND TOTAL(A+ B )</td>
</tr>
</tbody>
</table>

GST will be paid additionally