

| BOQ: Schedule of Quantities for Electricals works of Manaura Branch and ATM |   |     |        |      |        |
|---|---|-----|--------|------|--------|
| S.No  | Description   | Qty | Unit   | Rate | Amount |
| 1   | <b>Light Point Wiring/ Circuit Wiring/Power Point Wiring</b>  |     |        |      |        |
|   | a. Wiring for light points with 2x1.5 mm and 1.0 sqmm PVC insulated copper wire, PVC conduit pipe including 6 AMPS 1 way modular switch, MS/ PVC boxes, modular plate, including making connections, cutting the chases making these good surface wherever required. Roma/ N.W/ crabtree.   | 32  | points |      |        |
|   | b. Wiring for 6 AMPS light plug points with 2x1.5 mm + 1 x 1.0 sq mm PVC insulated copper conductor wire with PVC pipes including 6AMPS 5 pin socket controlled by 6 amps modular 1 way switch with modular plate and modular boxes including cutting the chases and making good the surface wherever required. Roma/ N.W/ crab tree.   | 10  | points |      |        |
|   | c. Wiring for light circuit with 2x2.5 + 1x 1.0 sq mm PVC insulated cooper wires in PVC conduit pipes including cutting chases and making good the surface wherever required.   | 75  | meter  |      |        |
|   | d. Wiring for power point with 2x 4 + 1x 1.0 sq mm PVC insulated copper conductor wire in PVC conduit pipe wire including 6/16 Amps socket controlled by 16 A 1 way modular switch, modular plate and modular box etc including making all connections cutting chasis and making good the surface wherever required. Romc/ N.W/ crab tree                                       | 8   | points |      |        |
| 2   | <b>AC POINT WIRING</b>  |     |        |      |        |
|   | a. Wiring for Air conditioners point with 2 x 6 +1x 1.5 sqmm PVC insulated copper conductor cable in PVC pipe including 25 amps DP MCB with metallic plug and socket with MS box including cutting chases and making good the surfaces wherever required.   | 2.0 | points |      |        |
| 3   | <b>DISTRIBUTION BOARDS</b>  |     |        |      |        |
|   | a. Supplying and fixing 4 way TPN MCB DB with 63 Amp TPN MCB - 1 No with 10- 25 Amp SP MCB 12 Nos with all connections. Double door Havells/ standard/legard  | 1.0 | set    |      |        |
|   | b. Supplying and fixing 12 way SPN DB with 40 Amp MCB - 1 No, 20 Amp MCB 10 Nos with all connections. Double door Havells   |     | set    |      |        |
| 4   | <b>UPS Wiring/ UPS DB/ UPS Panel Borad</b>  |     |        |      |        |
|   | a. Wiring for UPS point with 2x 1.5 +1 x 1.0 sqmm PVC insulated copper conductor cable in PVC pipe with necessary fixing accessories including concealed all the conduits etc with computer switch board with 3 nos 6 amps modular socket controlled by 16 A 1 way modular switch and indicator with modular plate & modular box complete in all respects. Roma/ N.W/ crab tree | 8   | nos    |      |        |
|   | b. Wiring for emergency light points through UPS with 2x 1.5 sq mm PVC insulated copper conductor cable in PVC pipe and necessary fixing accessories including modular switch, plate and box etc. Roma/ N.W/ crab tree  | 10  | nos    |      |        |
|   | c. Supplying and fixing 8 way SPN DB with 40 Amps DP MCB (1 Nos) 6-10 Amps SP MCB (6 nos) with all internal wire end connections (for counter and cash cabin) Roma/ N.W/ crab tree  | 1   | nos    |      |        |
|   | d. Supplying and fixing 6 way SPN DB with 40 Amps DP MCB (1 Nos) 6-10 Amps SP MCB (4 nos) with all internal wire end connections Roma/ N.W/ crab tree   | 1   | nos    |      |        |
|   | e. P/f 32/40 AMPS DP MCB housed in suitable MS encloser for UPS input and output, complete as required.   | 1   | set    |      |        |
|   | f. P/f call ball point for Manager's cabin with 2x 1 sqmm PVC insulated copper conductor wire in suitable PVC tube with necessary fixing accessories including Ding Dong bell.Anchor Roma/ N.W/ crab tree   | 1   | no     |      |        |
| 5   | <b>EARTHING</b>   |     |        |      |        |
|   | a. Providing earth stations at locations with 600x600x3 mm copper plates electrode. 20 mm dia medium class GI pipe, GI funnel and CI main hole cover 300x300mm including masonry work and packing with mixture of salt and charcoal including providing 25 x 3 mm G as per IS 3043 ( 1no – UPS ) Neutral to Earth <2V   | 3   | set    |      |        |

|          |   |    |     |                                  |  |
|----------|---|----|-----|----------------------------------|--|
|          | b. Providing and fixing of 10 sq mm copper wire in PVC pipe from earth station to UPS input   | 50 | mtr |                                  |  |
| <b>6</b> | <b>MAIN/SUB MAIN SUPPLY WIRING</b>  |    |     |                                  |  |
|          | a. P/f 2x4 sqmm + 1x 1.5 sqmm PVC insulated copper conductor wire in PVS pipe   | 50 | mtr |                                  |  |
|          | b. Supplying and fixing 2x10 mm copper wire 1x2.5mm copper wire with PVC conduit from UPS Panel to UPS DB   | 15 | mtr |                                  |  |
|          | c. Supplying and fixing 4x10 mm copper wire 1x4 mm copper wire in PVC conduit from main panel to UPS  | 25 | mtr |                                  |  |
|          | d. Supplying and fixing 2x10 mm copper wire 1x4 mm copper wire with PVC Pipe from main panel to LDB   |    | mtr |                                  |  |
|          | e. Supplying and fixing 4 x 35 core Alu Armoured cable from meter to main panel board   | 25 | mtr |                                  |  |
|          | f. Supplying and fixing 2x 4 mm copper wire with earth wire in PVC pipe with 32 Amps . MCB(1 No) for glow sign board  | 1  | set |                                  |  |
| <b>7</b> | <b>MAIN PANEL BOARD</b>   |    |     |                                  |  |
|          | a. Design, manufacture, supplying and commissioning of 1.6 mm thick ms sheet fabricated cubicle type wall/floor mounted with dust proof hinged and lockable doors etc. HRC Fuses with ammeter, voltmeter, selector switches , CTS back up fuses toggle switch including earthing of all components with Incoming<br>100 Amps TPMCCB-1 No<br>100 Amps Copper Bus bar - 2 set<br>125 Amps TPN Changeover switch-1 No<br>Outgoing<br>63 Amps TPN MCB =2 Nos<br>63 Amps DP MCB - 1 No<br>40 Amp DPMCB-2 Nos | 1  | set |                                  |  |
| <b>8</b> | <b>LIGHT FIXTURES AND FANS</b>  |    |     |                                  |  |
|          | a. Supplying & Fixing of (2'x2') LED light fittings of 36 watt(Syska/Crompton /Bajaj/ Philips Make).  | 2  | nos |                                  |  |
|          | b. Supplying & fixing 1X9W LED Down lighters with lamps (Syska/Crompton /Bajaj/ Philips Make).  | 2  | nos |                                  |  |
|          | c. Supplying & fixing 1X36W LED tube light fittings (Syska/Crompton /Bajaj/ Philips Make).  | 15 | nos |                                  |  |
|          | d. Supplying & fixing of 48" Ceiling fans including electronic regulator (Philips/Orient/Havells/Crompton/ bajaj make)  | 12 | nos |                                  |  |
|          | e. Supplying and fixing of wall mounted fan (Philips/Orient/Havells/Crompton/ bajaj make)   | 2  | nos |                                  |  |
|          | f. S/f of 12" Heavyduty exhaust fan for toilet (Philips/Orient/Havells/Crompton/ bajaj make)  | 1  | nos |                                  |  |
|          |   |    |     | <b>Total in Rs.</b>              |  |
|          |   |    |     | <b>Add GST .....%</b>            |  |
|          |   |    |     | <b>Total (including GST) Rs.</b> |  |
|          |   |    |     |                                  |  |
|          |   |    |     |                                  |  |