

**SCHEDULE :**

**NAME OF WORK : ELECTRICAL AND UPS WIRING WORK AT RAH-II (RO-THANE) AT  
KALYAN MURBAD ROAD BRANCH,**

**NAME OF CONTRACTOR : M/S. \_\_\_\_\_**

| NO       | DESCRIPTION OF ITEM  | UNIT | QTY | RATE | AMOUNT |
|----------|--|------|-----|------|--------|
| <b>1</b> | <b>DISTRIBUTION BOXES</b>  |      |     |      |        |
|          | Supply and installation of <b>TPN AC power distribution board</b> ( double door ) flush mounted on wall, sheet metal fabricated, powder coated, having dust-proof and vermin, proof, gasketed and hinged door with all internals such as DIN rails, neutral with provision for the following.  | Set  | 1   |      |        |
| i        | S&I INPUT - 63 A TPN MCB   | Nos  | 1   |      |        |
| ii       | S&I OUTPUT - 20/25 A SP MCB  | Nos  | 8   |      |        |
|          |  |      |     |      |        |
| 2        | Supply and installation of <b>TPN lighting DB</b> ( double door ) flush mounted on wall, sheet metal fabricated, powder coated, having dust-proof and vermin, proof, gasketed and hinged door with all internals such as DIN rails, neutral with provision for the following.                  | Set  | 2   |      |        |
| 3        | S&I INPUT - 40 A TPN MCB   | Nos  | 2   |      |        |
| 4        | S&I OUTPUT - 16/20 A SP MCB  | Nos  | 8   |      |        |
| 5        |  |      |     |      |        |
| 9        | Supply and installation of <b>TPN RAW power distribution board</b> ( double door ) flush mounted on wall, sheet metal fabricated, powder coated, having dust-proof and vermin, proof, gasketed and hinged door with all internals such as DIN rails, neutral with provision for the following. | Set  | 2   |      |        |
| 6        | S&I INPUT - 40 A TPN MCB   | Nos  | 2   |      |        |
| 7        | S&I OUTPUT - 16/20 A SP MCB  | Nos  | 8   |      |        |
|          |  |      |     |      |        |
| 8        | Supply and installation of <b>UPS MAIN DB 4 way 3 phase</b> flush mounted on wall, sheet metal fabricated, powder coated, having dust-proof and vermin, proof, gasketed and hinged door with all internals such as DIN rails, neutral with provision for the following.                        | Set  | 1   |      |        |
| 9        | S&I INPUT - 63 A TPN MCB   | Nos  | 1   |      |        |
| 10       | S&I INPUT TO 2 UPS - 63 A TPN MCB  | Nos  | 1   |      |        |
| 11       | S&I OUTPUT UPS - 32A DP MCB  | Nos  | 4   |      |        |
| 12       | S&I of 1 no. 32 A DP MCB, housed in sheet metal powder coated box for giving i/o supply of UPS in ATM  | Nos  | 2   |      |        |
| 13       | S&I of 32/40 A TPN MCB, housed in weather proof box  | Nos  | 2   |      |        |
|          |  |      |     |      |        |
| 14       | Supply and installation of <b>SPN UPS Distribution Board</b> ( double door ) flush mounted on wall, sheet metal fabricated, powder coated, having dust-proof and vermin, proof, gasketed and hinged door with all internals such as DIN rails, neutral with provision for the following.       | Set  | 2   |      |        |
| 15       | S&I INPUT - 40 A DP MCB  | Nos  | 2   |      |        |
| 16       | S&I OUTPUT - 10/16/20 A SP MCB   | Nos  | 8   |      |        |
|          |  |      |     |      |        |
| 17       | Supply and installation of <b>TPN ATM Distribution Board</b> ( double door ) flush mounted on wall, sheet metal fabricated, powder coated, having dust-proof and vermin, proof, gasketed and hinged door with all internals such as DIN rails, neutral with provision for the following.       | Set  | 1   |      |        |
| 18       | S&I INPUT - 63 A TPN MCB   | Nos  | 1   |      |        |
| 19       | S&I OUTPUT - 10/16/20 A SP MCB   | Nos  | 8   |      |        |

| NO                              | DESCRIPTION OF ITEM  | UNIT | QTY | RATE | AMOUNT |
|---------------------------------|--|------|-----|------|--------|
| 20                              | S&I of Timer unit for Signage board ( L&T / SIEMENS / SCHINDLER make only )  | Nos  | 1   |      | QRO    |
| 21                              | S&I of 20 A, 3 pin socket with plug top along with 1 no. 20A SP MCB all housed in sheet metal powder coated 20A DP MCB box for giving supply to AC machines.   | Nos  | 2   |      |        |
| <b>TOTAL OF SECTION - A</b>     |  |      |     |      |        |
| <b>B CABLES / MAINS / WIRES</b> |  |      |     |      |        |
|                                 | S&I of 1100V grade armoured cables/ flexible wires ( FRLS) having sector / circular shaped aluminium / copper conductor PVC insulated cores, laid up, PVC tape wrapped inner sheathed, GI strip / wire armoured and overall extruded PVC sheathed conforming to IS: 1554, laid on wall / ceiling etc., complete in all respects. the rate also to include providing identification tags, at each end of the cable ( the identification tag shall mention the size of the cable and the names of panels on either ends ) The rate to include testing & commissioning. |      |     |      |        |
| 1                               | 3.5 C x 70 sqmm al armoured cable with bare 8 SWG G I earth wire ( Meter room to Main Panel )  | Rmt  | 1   |      | QRO    |
| 2                               | 4 C x 35 sqmm copper armoured cable with bare 8 SWG G I earth wire core copper ISI POLYCAB make cable from inverter ( Meter room to Main Panel )   | Rmt  | 1   |      | QRO    |
| 3                               | 4 C x 10 sq mm copper armoured cable with bare 12 SWG G I earth wire from panel to UPS input   | Rmt  | 25  |      |        |
| 4                               | 4 C x 6 sq mm copper armoured cable with bare 12 SWG GI earth wire from panel to DBs   | Rmt  | 40  |      |        |
| 5                               | 3 C x 4 sq mm copper armoured cable for AC   | Rmt  | 150 |      |        |
| 6                               | 4C x 4.0 sq mm copper armoured cable   | Rmt  | 30  |      |        |
| 7                               | 2 runs of 4.0 sq mm and 1 run of 1.5 sq m PVC insulated flexible multistand Cu wire  | Rmt  | 25  |      |        |
| 8                               | 25 sq mm copper flexible wire single core laying meter to main 125A MCCB   | Rmt  | 10  |      |        |
| 9                               | 25 sq mm x 4 C aluminum armoured cable with 8 G double earth G I Main panel board to lighting DB box.  | Rmt  | 25  |      |        |
| <b>8</b>                        | <b>Termination of the above cables with heavy duty cu lugs &amp; Brass cable</b>   |      |     |      |        |
| i                               | 3.5 C x 70 sq mm   | Nos. | 1   |      | QRO    |
| ii                              | 4 C x 35 sq mm   | Nos. | 1   |      | QRO    |
| iii                             | 4 C x 10 sq mm   | Nos. | 5   |      |        |
| iv                              | 4 C x 6 sq mm  | Nos. | 10  |      |        |
| v                               | 3 C x 4 sq mm  | Nos. | 15  |      |        |
| vi                              | 25 sq mm   | Nos. | 3   |      |        |
| vii                             | 4 C x 25 sq mm   | Nos. | 3   |      |        |
| viii                            | 4 C x 10 sq mm   | Nos. | 3   |      |        |
| <b>TOTAL OF SECTION - B</b>     |  |      |     |      | -      |

| NO                          | DESCRIPTION OF ITEM   | UNIT | QTY | RATE | AMOUNT |
|-----------------------------|---|------|-----|------|--------|
| <b>C</b>                    | <b>LIGHT / FAN POINT WIRING</b>   |      |     |      |        |
| 1                           | S&I of Light / Fan <b>Point wiring</b> with 3 x 1.5 sq.mm wire & <b>Circuit wiring</b> 1100 V grade 2 x 2.5 sq.mm & 1 x 1.5 sq.mm copper conductor PVC insulated wires ( with proper R.Y.B. color code ) pulled through heavy guage PVC conduits laid concealed over false ceiling or in wall chases including circuit wires. Rate shall include supply & installation of Modular Switch Boards. Moudlar Switches/sockets, boxes, plates and all realated accessories. ( <b>Rate to includes supply K&amp; installation of PVC conduits of required size</b> ) <b>6 lights in on circuit, 4 Raw / Fan point in one circuit</b> )                                  |      |     |      |        |
| a                           | Primary light points  | Pts. | 50  |      |        |
| b                           | Primary Fan points with 5 A socket installed in walls   | Pts. | 10  |      |        |
| d                           | Secondary light points looped from the above points (a)   | Pts. | 20  |      |        |
| e                           | 5A plug point on switch board   | Pts. | 10  |      |        |
| f                           | Exhaust fan point consisting of 5A socket near fan and switch on light switch board   | Pts. | 3   |      |        |
| 2                           | S&I of <b>Power point wiring</b> :- Supply, installation, testing & commissioning of power point wiring from DBs to power points with 2 no. 4 sq.mm PVC insulated FRLS copper wires ( with proper R.Y.B. color code ) pulled through heavy guage PVC conduits laid concealed over false ceiling or in wall chases including circuit wires. Rate shall include Supply & installation of Modular Switch Boards, Modular Switches/sockets, boxes, plates and all realated accessores. ( Rate to include supply & installation of PVC conduits of required size generally as per the drawing for hotplate/geyser/zerrox/fridge ( with cirucit wiring spcifications. ) | Pts  | 15  |      |        |
| 3                           | S&I of point wiring for UPS power plug points ( with 1-16A switch and 3 socktes on modular switch box ) on workstations / table for computers using Circuit wiring of 2 x 2.5 sq.mm & 1 x 2.5 sq.mm flexible copper wire and point wiringwith 3 x 2.5 sq.mm flexible copper wire. pulled through already laid floor raceways andtaken upto table top using PVC gigid or flexible pipes. complete in all respects. ( <b>rate to include supply &amp; installation of PVC conduits of required size</b> )   | Pts. | 15  |      |        |
| 4                           | S&I of point similar to above but to be used as Raw power point on the tables consisting of one 5/15A socket with switch of other color and flexible cable of black color & circuit taken from lighting DB ( 4 tables served by one circuit from LDB/PBD ) ( <b>rate to include supply &amp; installation of PVC conduits of required size</b> )  | Pts  | 15  |      |        |
| 5                           | S&I of point similar to above but to be used as ups power point consisting of one 5/15A socket with 15A switch and flexible cable of black color & circuit taken from UPS DB ( <b>rate to include supply &amp; installation of PVC conduits of required size</b> )  | Pts. | 6   |      |        |
| <b>TOTAL OF SECTION - C</b> |   |      |     |      |        |

| NO       | DESCRIPTION OF ITEM   | UNIT | QTY | RATE | AMOUNT |
|----------|---|------|-----|------|--------|
| <b>D</b> | <b>LIGHTING FIXTURES ( Philips / Wipro ) &amp; FANS</b><br>S&I of lighting fixtures as per the details given below including necessary hardware such as clamps, nuts, bolts, nails, screws and suspension chains as required for fixing the fixtures in position as per approved manufactures list. |      |     |      |        |
| 1        | <b>LED LIGHT FITTING - SQUARE LIGHTER :-</b> SITC of Philips / wipro or SYSKA make 2 x 2 (600 x 600mm) 38 Watt LED light  | Nos. | 30  |      |        |
| 2        | <b>LED LIGHT FITTING - DOWN LIGHTER :-</b> SITC of Philips / wipro or SYSKA make Green LED down lighte fitting ( Catalog no. BBS175 1 X LED-5000 PSUWH or Equivalent.   | Nos. | 11  |      |        |
| 3        | 1 x 18W LED 4 ft tubelight with all fittings ( make - Philips / Havells)  | Nos. | 10  |      |        |
| 4        | 1 x 12W LED 2 ft tubelight with all fittings ( make - Philips / Havells )   | Nos. | 0   |      |        |
| 5        | 250 mm dia wall mounted exhaust fan of decorative plastic body and blade with louvers on the outside ( Newtek/Crompton/approved equivalent)   | Nos. | 3   |      |        |
| 6        | 400 mm dia wall mounted fans with inbuilt regulator with rop ( Usha/Bajaj/Crompton/standard)  | Nos. | 10  |      |        |
| 7        | 1200 mm ceiling fan ( Usha/Bajaj/Crompton/standard )  | Nos. | 2   |      |        |
| 9        | LED Strip light - Philips/Polycab   | Mtr. | 0   |      |        |
|          | <b>TOTAL OF SECTION - D</b>   |      |     |      | -      |
| <b>E</b> | <b>EARTHING :</b>   |      |     |      |        |
| 1        | S&I of Earth pit comprising of 600 mm x 600 mm x 3 mm thk copper plate buried at a minimum depth of 2.5 meter including necessary materials like charcoal, salt, etc., as required conforming to BS standards having brick masonry chamber with hinged cover.                                       | Nos. | 1   |      |        |
| 2        | S&I of copper / GI earthing wires/strips with PVC sleeves in following sizes :  |      |     |      |        |
| i        | 25 mm x 3 mm thk GI strip   | Mtr. | 15  |      |        |
| ii       | SITC of 1 no. 10 sq.mm single core PVC flexible copper wire for UPS in 25 mm PVC conduit with al required accessories etc.  | Mtr. | 20  |      |        |
|          | <b>TOTAL OF SECTION - E</b>   |      |     |      |        |
| <b>F</b> | <b>WIRING FOR DATA AND VOICE OUTLETS</b>  |      |     |      |        |
| 1        | Providing and laying CAT 6 cable ( make - D-link ) for data in PVC conduits and providing & terminating with RJ-11 pin ( Krone make ) with face plates/ I/O Ports in suitable modular / MS box from server / EPBAX room to individual work stations and term.                                       |      |     |      |        |
| i        | RJ45 for data points  | Pts  | 25  |      |        |
| 2        | Providing and laying CAT 6 cable ( D-Link ) for voice in existing conduits for voice and providing & terminating with RJ-11 pin ( Krone make ) with face plates / I/O Ports in suitable modular / MS box from server / EPBAX room to individual work stations.                                      |      |     |      |        |
| i        | 1 no. RJ-11 for voice   | Pts  | 25  |      |        |
| ii       | 1 set with 2 nos. of RJ-11 socket point in manager cabin  | Pts  | 1   |      |        |
| 3        | Providing, laying and connecting PVC insulated copper jelly cable of following sizes including termination in approved manner.  |      |     |      |        |
| i        | 20 pair   | Mtr. | 1   |      |        |

| NO       | DESCRIPTION OF ITEM   | UNIT  | QTY | RATE | AMOUNT |
|----------|---|-------|-----|------|--------|
| 4        | Providing and fixing of telephone tab block ( Krone ) of following sizes housed in GI box withcover of suitbale size including termination :                                |       |     |      |        |
| i        | 20 pair   | Nos.  | 1   |      |        |
| ii       | Supplying and installing CAT 6 factory crimped patch cables 1 mtr.  | Nos.  | 25  |      |        |
| iii      | Supplying and installing CAT 6 factory crimped patch cables 2 mtr.  | Nos.  | 25  |      |        |
| iv       | S&I new 24 Port Patch Panel   | Nos.  | 1   |      |        |
| v        | S&I new 24 Port Net work Switch D-Link  | Nos.  | 0   |      |        |
| vi       | Providing and installing new 12U Network server Rack  | Nos.  | 1   |      |        |
|          | <b>TOTAL OF SECTION - F</b>   |       |     |      |        |
| <b>G</b> | <b>FLOOR TRENCHING &amp; RACEWAYS</b>   |       |     |      |        |
| 1        | Supply & installation Raceways / PVC conduit in existing flooring. The rate shall include preparation of trenches, clearing debris and filling the same with PCC            |       |     |      |        |
| i        | 25 mm PVC Conduit   | Mtrs. | 1   |      | QRO    |
| ii       | 20 mm PVC Conduit   | Mtrs. | 1   |      | QRO    |
| 2        | Supply and Installation of floor junction boxes with 2 mm thk removable cover plate for the above raceways.   |       |     |      |        |
| i        | 150 mm x 150 mm x 50 mm GI Junction box   | Nos.  | 1   |      | QRO    |
| ii       | 100 mm x 100 mm x 50 mm GI Junction box   | Nos.  | 1   |      | QRO    |
|          | <b>TOTAL OF SECTION - G</b>   |       |     |      |        |
| <b>H</b> | <b>TEMPERARY WIRING</b>   |       |     |      |        |
| 1        | Providing light point wiring, data point with computer wiring and temperary lighting arrangement during renovation and disconnection of old wiring systems during disposal. | Job   | 1   |      |        |
|          | <b>TOTAL OF SECTION - H</b>   |       |     |      |        |

\*\*\* S U M M U R Y \*\*\*

| NO. | SUMMARY  | AMOUNT  |
|-----|--|---------|
| 1   | SECTION - A - MAIN PANEL / DISTRIBUTION BOARDS : | Rs.     |
| 2   | SECTION - B - CABLES / MAINS / WIRES             | Rs.     |
| 3   | SECTION - C - LIGHT / FAN POINT WIRING           | Rs.     |
| 4   | SECTION - D - LIGHTING FIXTURES                  | Rs.     |
| 5   | SECTION - E - EARTHING :                         | Rs.     |
| 6   | SECTION - F - WIRING FOR DATA AND VOICE OUTLETS  | Rs.     |
| 7   | SECTION - G - FLOOR TRENCHING & RACEWAYS         | Rs. QRO |
| 8   | SECTION - H - TEMPERARY WIRING                   | Rs.     |
|     | <b>GRAND TOTAL</b>                               | Rs.     |

Note : Kindly quote your rate exclusive of GST. The GST amount will be reimbursed as applicable

ISSUED BY

SIGNATURE OF CONTRACTOR  
WITH SEAL AND STAMP

Internal