B.O.Q OF ELECTRICAL WORK FOR INDIAN BANK AT PARADEEP PORT .

| SL.NO. | DESCRIPTION OF ITEMS | UNIT | $\begin{array}{\|c\|} \hline \text { QUANTIT } \\ \mathbf{Y} \end{array}$ | RATE | AMOUNT |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1 ELECTRICAL WIRING WORK |  |  |  |  |
| 1.0 | Concealed / ressessed / surface light point / fan point / call bell point etc. wiring using 1100 V FRLS grade 3 R $(\mathrm{P}+\mathrm{N}+\mathrm{E}) \times 1.5$ Sq.mm FRLS multi stranded copper conductor PVC insulated wires (with proper R,Y,B color code) pulled through rigid FR/FRLS PVC conduits of 20 mm Dia 1.5 mm thick laid concealed over false ceiling or in wall chases or on the ceiling in case of an open ceiling, with modular type switch plate, switches, GI concealed back box, etc. of legrand mylinc or equivalent make. S.I.T.C.( Supply Installation Testing And Commissioning) as directed by the Engineer-in-charge. (Each circuit shall not feed more than 8 points OR 800 watts as per following configuration.) |  |  |  |  |
|  | NOTE:- 1. Only FRLS wire shall be used; 2. The wires from ceiling junction to light points / light fixture shall be drawn in flexible PVC conduit with adptor \& cover for junction box \& crimp type lugs at both the ends alongwith necessary hardware \& accessories, etc. as required; 4. Looping of Neutral / Earth wire between two seperate Primary / Full Points is strictly not allowed; 5. Looping of Neutral / Earth wire between two seperate circuits on similar or other phase is strictly not allowed; 6 . Ferulling / numbering / taggning to wires with circuit number \& db name for all lighting \& raw / ups power shall be strictly followed at both DB \& switch board / switch socket boards ends. |  |  |  |  |
| 1.1 | Primary light points including the cost of clip in type 6A Modular switch of legrand mylinc or equivalent make. S.I.T.C. as directed by the Engineer-in-charge.( 1 light/fan controlled by one switch) | Nos. | 30.00 |  |  |
| 1.2 | Subsequent point ( Looped From Primary) | Nos | 17.00 |  |  |
| 1.3 | Independent point using one 6 Amp Modular Switch and one $6 \mathrm{Amp}, 2 / 3 \mathrm{pin}$ Modular scoket mounted on a sutable size Box for wall fans. | Nos | 10.00 |  |  |
| 1.4 | $\begin{array}{\|l\|} \hline 6 \text { Amp } 2 / 3 \text { pin Modular scoke with 6A Modular switch. ( } \\ \text { on common switch Board.) } \\ \hline \end{array}$ | Nos. | 4.00 |  |  |
| 1.5 | Primary light points including the cost of clip in type 6A Modular switch of legrand mylinc or equivalent make \& model as approved by project in charge. ( I light controlled by one switch UPS point ) | Nos. | 3.00 |  |  |
| 2.0 | Concealed power point using 16 Amp 3 Pin plug socket with 16 Amp Modular switch of legrand mylinc or equivalent make mounted on separate board using suitable size galvanized iron junction \& switch boxes \& clip in type modular type switch plate,etc. Supply taken from R.D.B./ Nearest L.D.B. The point should not taken from any switch Board. S.I.T.C. as directed by the Engineer-in-charge. | Nos | 3.00 |  |  |


| 3.0 | Concealed raw power point using $6 \mathrm{Amp}, 2 / 3$ Pin Modular plug socket with 6 Amp Modular switch of legrand mylinc or equivalent make on separate board using galvanized iron junction \& switch boxes \& clip in type modular type switch plate, switches, GI/PVC concealed back box, etc. Supply taken from Nearest L.D.B. Maximun 3 Points per Circuit for counter \& Table | Nos | 11.00 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 4.0 | Supply, installation and testing of timer with contactor ( L\&T / Legrand ) make controlling the glowsign board with all accessories complete enclosed in Powder coated metal box as required as per direction of Engineer in charge. The system will be apart of the panel board. | Nos. | 1.00 |  |  |
|  | 2 COMPUTER WIRING WORK |  |  |  |  |
| 1.0 | Supplt and fixing of concealed UPS power points using 1 nos. of $16 \mathrm{Amp}, 3$ Pin Modular switches to be provided on table top +4 nos. 6 Amp Modular socket below table top of legrand mylinc or equivalent make taken from Nearest C.D.B with sutable size galvanized iron/PVC junction \& switch boxes \& clip in type modular type switch plate, GI/PVC concealed back box, etc. Maximun 3 Points per Circuit for counter \& Table. S.I.T.C. as directed by the Engineer-in-charge. | SET | 7.00 |  |  |
| 1.1 | Subsequent computer point ( Looped From Primary) | Nos | 2.00 |  |  |
| 2.0 | Supplt and fixing of concealed UPS power points using clip in modular type 5 No. of $6 / 16 \mathrm{amp}$ socket points controlled by 2 No of 16 amp modular switch with indicator of legrand mylinc or equivalent make taken from Nearest C.D.B with galvanized iron junction \& switch boxes \& clip in type modular type switch plate, switches, GI concealed black box, etc. . The point should not from any switch Board S.I.T.C. as directed by the Engineer-in-charge. | SET | 1.00 |  |  |
|  | 3 A.C. WIRING WORK |  |  |  |  |
| 1.0 | Supply and installation of Concelaed 20A/25A, 415 V DP Isolator mounted in a prefabricated powder coated DP metal enclosure (legrand make Ekinox3 model or equivalent make ) concealed and complete to the satisfaction of Bank for 1.5 TR Cassatte AC.S.I.T.C. as directed by the Engineer-in-charge | Nos | 7.00 |  |  |
|  | 4.PANEL BOARD \& DISTRIBUTION BOARDS. |  |  |  |  |
| 1.0 | Main Panel Board | Set | 1.00 |  |  |


|  | Supply, delivery, installation , testing , commissioning, of <br> L\&T indoor wall ,floor , mounted , type distribution boards <br> made out of 2 mm thk. CR sheet metal duely acid treated <br> premised \& painted with 2 coats of enamel paint <br> compartment arrangement for each equipment \& bus bar <br> chamber on the top of the panel running horizontal through <br> out its length duly lamp, vermin proof having provision <br> cable by conduit entry, earthling stud as per specification <br> mentioned below duly factory wired confirming to the <br> relevant ISS \& as per special condition of contract, making <br> good the damages M.S. Cubical type Panel board should <br> have hinged door at the front. The panel shall be provided <br> with all accessories \& following arrangements complete in <br> all respect \& direction of EIC (before fabrication of panel <br> board drawing is to be approved by Engineer-in-charge). |  |  |  |
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