

PRICE BID

ELECTRICAL INSTALLATION AND AIR CONDITIONING WORK AT RACPC-II, PATNA

Part- A Electrical Installation Work

| | Schedule of Quantities for Electrical Installation Work | | | | | |
|------------|--|----------|------|--|--|--|
| SI. No. | Description | Quantity | Unit | Unit Rate (Rs.) (Exclusive of GST on work contract) | Amount (Rs.) (Exclusive of GST on work contract) | |
| 01 | L.T. Cable | | | | | |
| | Providing & laying following Armoured,PVC insulated & PVC sheathed cable or XLPE of 1.1 KV grade with aluminium conductor of IS: 1554 P-I of approved make in trays/duct as per IS: 1255 including providing required cable tray, making necessary connection, testing etc. as required of size and as per recommended makes enclosed. | | | | | |
| a) | 3.5 core, 240 Sqmm. | 80 | Mtr. | | | |
| | Make : Poly cab / Havells / KEI | | | | | |
| 02 | L.T. Cable Termination | | | | | |
| | Supplying and making one end termination with heavy duty single compression brass gland SIBG type, aluminium lugs duly crimped with crimping tool, PVC tape etc for following size of Armoured PVC insulated & PVC sheathed / XLPE aluminium conductor cable of 1100 volt grade as required of size. | | | | | |
| a) | 3.5 Core, 240. Sqmm. | 10 | Set | | | |
| SI. No. | Description | Quantity | Unit | Unit Rate (Rs.) (Exclusive of GST on work contract) | Amount (Rs.) (Exclusive of GST on work contract) | |
| 03 | MAIN INCOMING SOURCE PANEL | | | | | |
| | Supply, installation, testing and commissioning of switchboard with following switchgear. The cubicle panel shall be compartmentalised and fabricated with 14 SWG M.S. sheet and suitable size frame work. | | | | | |
| | The panel shall be self standing on base channel frame work and mounted over floor. The panel shall be totally enclosed, dust and vermin proof. The finished paint shall be powder coated light dove grey (RAIL 7032). | | | | | |
| | The doors shall have neoprene gasket and shall have copper braid connection for effective earthing | | | | | |
| | The design of panel shall be such as to offer maximum safety and ease of maintenance. The busbar shall be of Copper(CU). The support for the busbar shall be non hygroscopic non inflamable epoxy cast resin insulators. The minimum clearence between live parts and earth shall be at least 25mm. | | | | | |
| | The cable termination shall be from bottom for incomer and for outgoing feeders. The detachable gland plates of adequate thickness shall be provided for cable terminations. Feeder nameplates shall be provided. | | | | | |
| | The panel shall have the following switchgear including interconnection with copper wire between busbar and switchgears. | | | | | |
| | INCOMER: | | | | | |
| | INCOMER: 1 no. 400A, 415V, 4P, 50 KA MCCB with rotary drive kit including door interlock, defeat , padlocking facility | 1 | PC | | | |

| In 0.200A, 435V, 4P, 3S KA MCCB with rotary drive kit including door interlock, defeat, pudlocking facility MCCB Make: 5chneider / L&T/Siemens/GE I set of 0-100A Antometer, accuracy class 1.0 with Ammeter Selector Switch. Make: AE / Kayee I set of 10-500 Voltmeter, accuracy class 1.0 with Ammeter Selector Switch with 3 nos protection fuses. Make: AE / Kayee I set of 10-500 Voltmeter, accuracy class 1.5 with Voltmeter Selector Switch with 3 nos protection fuses. Make: AE / Rayee / GE 250 AMP 4 Pole- On Loud Changeover Switch Make: SAE / Sayee / GE 250 AMP 4 Pole- On Loud Changeover Switch Make: Sae, ALS / Sayee / GE 250 AMP 4 Pole- On Loud Changeover Switch DUTGOINGS SAR, 415V, 3D KA TP&A, MCCB with rotary drive kit including door interlock, defeat, pudlocking facility Make: Siemens / L&T/Havelis J 1 1 3et Unit Rate (Rs.) SA, 415V, 3D KA TP&A, MCCB with rotary drive kit including door interlock, defeat, pudlocking facility Make: Siemens / L&T/Havelis J 1 1 3et Unit Rate (Rs.) Same / Sae, 415V, 3D KA TP&A, MCCB with rotary drive kit including door interlock, defeat, pudlocking facility Make: Siemens / L&T/Havelis J 1 1 3et Unit Rate (Rs.) SL No. 03 Earthing (Power) J 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | 1 no. 160A, 415V, 4P, 35 KA MCCB with rotary drive kit including door interlock, defeat , padlocking facility | 2 | PC | | |
|--|------------|--|----------|-------|---------------------------|----------------------|
| 1 set of 0-100A Amtmeter, accuracy class 1.0 with Amtmeter Selector Switch. Make: AE / Kaycee 1 set 300/5A current transformer, class 1.0 Make: AE / Kayce 1 set 300/5A current transformer, class 1.0 Make: AE / Kayce 1 set of 0-500V Voltmeter, accuracy class 1.5 with Voltmeter Selector Switch with 5 nos, protection fuses. Make: AE / Kaycee 1 set of 0-500V Voltmeter, accuracy class 1.5 with Voltmeter Selector Switch with 5 nos, protection fuses. Make: AE / Kaycee / GE 3250 AMP 4 Pole-On Load Changeover Switch Make Siemens/L&T/Havells DUTGOING: 63A, 415V, 10 KA TREN, MCCB with rotary drive kit including door interlock defeat, padocing facility with selection of the fact o | | _ | | PC | | |
| Switch. Make: AE / Kaypee 1 set 100/5A current transformer,class 1.0 Make: AE / Kappa 1 set of 0-500V Voltmeter, accuracy class 1.5 with Voltmeter Selector Switch with a nos, protection fuses. Make: AE / Kaypee / GE 250 AMP 4 Pole-On Load Changeover Switch Make Size / Kaypee / GE 250 AMP 4 Pole-On Load Changeover Switch Make Sizemens/L&T/havells DUTGOING: GSA, 415V, 10 KA TRRN, MCCB with rotary drive kit including door interlock, defeat, padlocking facility Make: Sizemens / L&T/Havells 1 Set Unik With Sizemens / L&T/Havells SI. No. Description Description Quantity Unik Unik Rate (Rs.) (Exclusive of GST on work GST on work GST on work (Exclusive of GST on work) Exclusive of Horizontacy (Exclusive of Horizontacy) Exclusive of Horizontacy Amount (Rs.) Exclusive of Horizontacy (Exclusive of Horizontacy) Amount (Rs.) Exclusive of Horizontacy Exclusive of Horizontacy (Exclusive of Horizontacy) Exclusive of Horizontacy Exclusive of Horizon | | MCCB Make : Schneider / L&T/Siemens/GE | | | | |
| Make: AE / Kaycee 1 set 100/Sh current transformer,class 1.0 Make: AE / Kaycee 1 set of 0-900V Voltmeter, accuracy class 1.5 with Voltmeter Selector Witch with 3 nos, protection fuses. Make: AE / Kaycee / GE 250 AMP 4 Pole-On Load Changeover Switch Make Siemens/L&T/Havelis 0 UTGOING: 630-, 415V, 10 KA TPRN, MCCB with rotary drive kit including door metoloc, defeat, padiocking facility Make: Siemens / L&T/Havelis 1 1 Set Unit Rate (Rs.) (Exclusive of Make, padiocking facility Make: Siemens / L&T/Havelis 1 1 Set Unit Rate (Rs.) (Exclusive of SST on work contract) SI, No. 03 Earthing (Power) 3 Earthing (Power) 3 Supply & Fixing 25 mm PVC Pipe with 8 SWG 2no, Copper wire for Earthing. 5 Supply & Fixing 25 mm PVC Pipe with 8 SWG 2no, Copper wire for Earthing. 5 Supply & Fixing as 5 mm PVC Pipe with 8 SWG 2no, Copper wire for Earthing. 6 Supply & Fixing as 5 mm PVC Pipe with 8 SWG 2no, Copper wire for Earthing. 6 Supply & Fixing as 5 mm PVC Pipe with 8 SWG 2no, Copper wire for Earthing. 6 Supply & Fixing as 5 mm PVC Pipe with 8 SWG 2no, Copper wire for Earthing. 6 Supply & Fixing as 5 mm PVC Pipe with 8 SWG 2no, Copper wire for Earthing. 6 Supply & Fixing as 5 mm PVC Pipe with 8 SWG 2no, Copper wire for Earthing. 6 Supply & Fixing as 5 mm PVC Pipe with 8 SWG 2no, Copper wire for Earthing. 8 Supply & Fixing as 5 mm PVC Pipe with 8 SWG 2no, Copper wire for Earthing. 9 Supply & Fixing as 5 mm PVC Pipe with 8 SWG 2no, Copper wire for Earthing. 100 Mitr. | | · · · · · · · · · · · · · · · · · · · | 1 | CET | | |
| 1 set 100/5A current transformer,class 1.0 Make: AE / Kappa 1 set of 0-500V Voltmeter, accuracy class 1.5 with Voltmeter Selector Switch with 3 nos. protection fuses. Make: AE / Kayee / GE 250 AMP 4 Pole-On Load Changeover Switch Make Siemens/LaT/Havelis OUTGOING: G3A, 415V, 10 KA TP&N, MCCB with rotary drive kit including door interlock, defeat, padlocking facility Make: Siemens / L&T/Havelis Description SI. No. Description Outgoing: SI. No. Outgoing: SI. No. Description Outgoing: SI. No. Description Outgoing: SI. No. Outgoing: SI. No. Outgoing: SI. No. Description Outgoing: SI. No. Outgoing: SI. No. Outgoing: SI. No. Description Outgoing: SI. No. Outgo | | | 1 | SEI | | |
| 1 set of 0.500V Voltmeter, accuracy class 1.5 with Voltmeter Selector Switch with 3 nos, protection fuses. Make: AE / Kaycev GE 250 AMP 4 Pole-On Load Changeover Switch Make Siemens/L&T/Havells 0UTGOING: 63A, 415V, 10 KA TP&N, MCCB with rotary drive kit including door interlock, defeat, padiocking facility Make: Siemens / L&T/Havells 1 1 Set Work Siemens / L&T/Havells 1 1 Set Unit (Exclusive of GST on work, contract) Si. No. Description Outgoing Siemens / L&T/Havells 1 1 Set Unit (Exclusive of GST on work, contract) Si. No. 03 Earthing (Power) Supply & Fixing 25 mm PVC Pipe with 8 SWG 2no, Copper wire for Earthing. Supply & Fixing 25 mm PVC Pipe with 8 SWG 2no, Copper wire for Earthing. Supply & Fixing 25 mm PVC Pipe with 8 SWG 2no, Copper wire for Earthing. Providing earth part of the supplementation to earth bus-bar / testing link including excavation of earth & refilling, GI fixing, oliniting accessories etc. as requires etc. as etc. as requires etc. as etc. | | | | | | |
| Switch with 3 nos. protection fuses. Make: Az / Kaycez / Gt 250 AMP 4 Pole-On Load Changeover Switch Make Siemens/L&T/Havells DUTGOING: 63A, 415V, 10 KA TP&N, MCCB with rotary drive kit including door interook, defeat, padicking facility Make: Siemens / L&T/Havells 51. No. Description Description Ountity Make: Siemens / L&T/Havells 1 1 1 Set Unit Rate (Rs.) (Exclusive of SST on work contract) SI. No. 03 Earthing (Power) SI. No. 03 Earthing (Power) SI. No. 03 Earthing (Power) Supply & Fixing 25 mm PVC Pipe with 8 SWG 2no, Copper wire for patching. Supply & Fixing 25 mm PVC Pipe with 8 SWG 2no, Copper wire for patching. Supply & Fixing 25 mm PVC Pipe with 8 SWG 2no, Copper wire for patching. Description Supply & Fixing 25 mm PVC Pipe with 8 SWG 2no, Copper wire for patching. Description Mtr. 100 Supply & Fixing 25 mm PVC Pipe with 8 SWG 2no, Copper wire for patching. Description Mtr. 100 Supply & Fixing 25 mm PVC Pipe with 8 SWG 2no, Copper wire for patching. Supply & Fixing 25 mm PVC Pipe with 8 SWG 2no, Copper wire for patching. Supply & Fixing 25 mm PVC Pipe with 8 SWG 2no, Copper wire for patching. Supply & Fixing 25 mm PVC Pipe with 8 SWG 2no, Copper wire for patching. Supply & Fixing 25 mm PVC Pipe with 8 SWG 2no, Copper wire for patching. Supply & Fixing 25 mm PVC Pipe with 8 SWG 2no, Copper wire for patching. Supply & Fixing 25 mm PVC Pipe with 8 SWG 2no, Copper wire for patching. Mtr. 100 Supply & Fixing 25 mm PVC Pipe with 8 SWG 2no, Copper wire for patching. But 100 Description Mtr. 100 Mtr. | | Make : AE / Kappa | | | | |
| 250 AMP 4 Pole-On Load Changeover Swicth Make Siemens/L&T/Haveils DUTGOING: 63A, 415V, 10 KA TPRN, MCCB with rotary drive kit including door interiock, defeat, padlocking facility Make : Siemens / L&T/Haveils 1 1 Set Unit Rate (Rs.) SI. No. 03 Earthing (Power) SUPPLY & Fixing 25 mm PVC Pipe with 8 SWG 2no, Copper wire for Earthing. Supply & Fixing 25 mm PVC Pipe with 8 SWG 2no, Copper wire for Earthing. Supply & Fixing 25 mm PVC Pipe with 8 SWG 2no, Copper wire for Earthing. Supply & Fixing 25 mm PVC Pipe with 8 SWG 2no, Copper wire for Earthing. Supply (R Fixing 25 mm PVC Pipe with 8 SWG 2no, Copper wire for Earthing. Supply (R Fixing 25 mm PVC Pipe with 8 SWG 2no, Copper wire for Earthing. Providing earthing station at location as called for including providing 600 mm x 6 | | <u> </u> | 1 | SET | | |
| Make Siemens/L&T/Havells OUTGOING: 63A, 415V, 10 KA TP&N, MCCB with rotary drive kit including door interlock, defeat, padlocking facility Make: Siemens / L&T/Havells 1 1 Set Unit Rate (Rs.) (Exclusive of SST on work contract) SI. No. 03 Earthing (Power) 1 1 Set Unit Rate (Rs.) (Exclusive of SST on work contract) SI. No. 03 Earthing (Power) Mr. 100 Supplying & Fixing 25 mm PVC Pipe with 8 SWG 2no, Copper wire for Earthing. Supplying & Raying / fixing of 40mm. x 6mm. G.I taps from earthing station to earth bus-bar / testing link including excavation of earth & refilling. G.I fixing, jointing accessories etc. as required. Providing earthing station at loca-tion as called for including providing 600 mm x 600 mm x 6 mm thick tinned G.I electrode 2 Nos 50 x 6 mm G.I strip up to ground level 20mm dia medium class G.I pipe (India Tube Company make or approved equal) C.I funnel with 20 gauge G.I wire mesh, masonry chamber with concrete base, C.I man-hole cover with frame c.G. (Somm x 300mm) and bitumastic paint and packing the fixture of charcaal and common salt around plate electrode complete as per L.S. (Minimum depth shall be 3.0 M.) (To Body earthing). The resistance of the earth system shall not exceed 1 ohm - This Earthing will be used for Body earthing. The resistance of the carth system shall not exceed 1 ohm - This Earthing will be used for Body earthing of all Equioments Providing earthing station at loca-tion as called for including providing foom m x 600 mm x 3 mm thick tinned copper electrode 2 Nos 50 x 6 mm copper strip up to ground level 20mm dia medium class G.I pipe (India Tube Company make or approved equal) C.I funnel with 20 gauge G.I wire mesh, masonry chamber with concrete base, C.I man-hole cover with frame (300mm x 30mm) and bitumastic paint and packing the fixture of charcaal and common salt around plate electrode complete as per L.S. (Minimum depth shall be 3.0 M.) (To for equipment earthing & technical earthing, another for Neutral earthing in . The resistance of the earth syste | | Make : AE / Kaycee / GE | | | | |
| Make Siemens/L&T/Haveills OUTGOING: 63A, 415V, 10 KA TP&N, MCCB with rotary drive kit including door interlock, defeat, padiocking facility Make: Siemens / L&T/HaveilS 5I. No. Description Ouantity Init Supply & Fixing 25 mm PVC Pipe with 8 SWG 2no, Copper wire for Earthing. Supplying & laying / fixing of 40mm. x 6mm. G.I taps from earthing station to earth bus-bar / testing link including excavation of earth & refilling, G.I fixing, jointing accessories etc. as required. Providing earthing station at location as called for including providing 600 mm x 600 mm x 6 mm thick tinned G.I electrode 2 Nos 50 x 6 mm G.I strip up to ground level 20mm dia medium class G.I pipe (India Tube Company make or approved equal) CI funnel with 20 gauge GI wire mesh, masonry chamber with concrete base, CI man-hole cover with frame c. 300mm x 300mm) and bitumassite paint and packing the fixture of charcoal and common salt around plate electrode complete as per 1.5. (Minimum depth shall be 3.0 M.) (for Body earthing). The resistance of the earth system shall not exceed 1 nhm - This Earthing will be used for Body earthing of all Equioments Providing earthing station at location as called for including providing 600 mm x 600 mm x 3 mm thick tinned copper electrode 2 Nos 50 x 6 mm copper strip up to ground level 20mm dia medium class Gi pipe (India Tube Company make or approved equal) CI funnel with 20 gauge GI wire mesh, masonry chamber with concrete base, CI man-hole cover with frame (300mm x 600 mm x 3 mm thick tinned copper electrode 2 Nos 50 x 6 mm copper strip up to ground level 20mm dia medium class GI pipe (India Tube Company make or approved equal) CI funnel with 20 gauge GI wire mesh, masonry chamber with concrete base, CI man-hole cover with frame (300mm x 300mm) and bitumastic paint and packing the fixture of charcoal and common salt around plate electrode cover with frame (300mm x 300mm x 300mm x 300mm and bitumastic paint and packing the fixture of charcoal and common salt around plate electrode cover with frame | | 250 AMP 4 Pole-On Load Changeover Swicth | 1 | nc | | |
| OUTGOING: 63A, 415V, 10 KA TP&N, MCCB with rotary drive kit including door interlock, defeat, padlocking facility Make: Siemens / L&T/HavelIs 5I. No. Description Quantity Unit Unit Likedusve of GST on work contract) SI. No. 03 Earthing (Power) Supply & Fixing 25 mm PVC Pipe with 8 SWG 2no, Copper wire for Earthing. Supply & Rixing 25 mm PVC Pipe with 8 SWG 2no, Copper wire for Earthing. Supply & Fixing 25 mm PVC Pipe with 8 SWG 2no, Copper wire for Earthing. Supplying & laying / fixing of 40mm. x 6mm. G.I taps from earthing station to earth bus-bar / testing link including excavation of earth & refilling, G.I. Providing earthing station at loca-tion as called for including provid-ing floom ms 600 mm x 600 mm x 6 mm thick tinned G.I electrode 2 Nos 50 x 6 mm G. Strip up to ground level 20mm dia medium class GI pipe (India Tube Company make or approved equal) CI funnel with 20 gauge GI wire mesh, masonry chamber with concrete base, CI man-hole cover with frame (300mm x 300mm) and bitumastic paint and packing the fixture of charcoal and common salt around plate electrode complete as per I.S. (Minimum depth shall be 3.0 M.) (for Body earthing). The resistance of the earth system shall not exceed 1 ohm - This Earthing will be used for Body earthing of all Equioments Providing earthing station at loca-tion as called for including provid-ing 600 mm x 600 mm x 3 mm thick tinned copper electrode 2 Nos 50 x 6 mm copper strip up to ground level 20mm dia medium class GI pipe (India Tube Company make or approved equal) CI funnel with 20 gauge GI wire mesh, masonry chamber with concrete base, CI man-hole cover with frame (300mm x 300mm) and bitumastic paint and packing the fixture of charcoal and common salt around plate electrode complete as per I.S. (Minimum depth shall be 3.0 M.) (for for equipment carthing & technical earthing, another for Neutral earthing) - The resistance of the earth system shall not exceed 1 ohm - This Earthing will be used for Electronic Earthing Providing Earth distribution Box | | Make Siemens/L&T/Havells | 1 | μι | | |
| 63A, 415V, 10 KA TP&N, MCCB with rotary drive kit including door interlock, defeat, padlocking facility Make : Siemens / L&T/Havells 1 1 5et | | | | | | |
| Interlock, defeat , padlocking facility Make : Siemens / L&T/Havelis SI. No. Description Description Description Description Description Unit Unit Unit Unit Unit Unit Unit Unit Unit Exclusive of ST on work contract) I 1 5et Unit Rate (Rs.) (Exclusive of ST on work contract) I 1 00 I 1 1 5et Unit Rate (Rs.) (Exclusive of ST on work contract) I 1 00 I 1 1 5et Unit Rate (Rs.) (Exclusive of ST on work contract) I 1 00 I 1 1 5et Unit Rate (Rs.) (Exclusive of ST on work contract) I 1 1 5et Unit Rate (Rs.) (Exclusive of ST on work contract) I 1 1 5et Unit Rate (Rs.) (Exclusive of ST on work contract) I 1 1 5et Unit Rate (Rs.) (Exclusive of ST on work contract) I 1 1 5et Unit Rate (Rs.) (Exclusive of ST on work contract) I 1 1 5et Unit Rate (Rs.) (Exclusive of ST on work contract) I 1 1 5et Unit Rate (Rs.) (Exclusive of ST on work contract) I 1 1 5et Unit Rate (Rs.) (Exclusive of ST on work contract) I 1 1 5et Unit Rate (Rs.) (Exclusive of ST on work contract) I 1 1 5et Unit Rate (Rs.) (Exclusive of ST on work contract) I 1 1 5et Unit Rate (Rs.) (Exclusive of ST on work contract) I 1 1 5et Unit Rate (Rs.) (Exclusive of ST on work contract) I 1 1 5et Unit Rate (Rs.) (Exclusive of ST on work contract) I 1 1 5et Unit Rate (Rs.) (Exclusive of ST on work contract) I 1 1 5et Unit Rate (Rs.) (Exclusive of ST on work contract) I 1 1 5et Unit Rate (Rs.) (Exclusive of ST on work contract) I 1 1 5et Unit Rate (Rs.) (Exclusive of ST on work contract) I 1 1 5et I 1 1 1 | | OUTGOING: | | | | |
| Make : Siemens / L&T/Havells SI. No. Description Quantity Unit Rate (Rs.) (Exclusive of GST on work Contract) SI. No. 0.3 Earthing (Power) a Supply & Fixing 25 mm PVC Pipe with 8 SWG 2no, Copper wire for Earthing. Supplying & Jaying / fixing of 40mm. x 6mm. G.I taps from earthing station to to earth bus-bar / testing link including excavation of earth & refilling, G.I fixing, jointing accessories etc. as required. Providing earthing attation at loca-tion as called for including providing 600 mm x 600 mm x 6 mm thick tinned GI electrode 2 Nos 50 x 6 mm GI strip up to ground level 20mm dia medium class GI pipe (India Tube Company make or approved equal) CI funnel with 20 gauge GI wire mesh, masonry chamber with concrete base, CI man-hole cover with frame (G) Gomm x 300mm and bitumastic paint and packing the fixture of the earth system shall not exceed 1 ohm - This Earthing will be used for Body earthing of all Equloments Providing earthing station at loca-tion as called for including providing 600 mm x & 000 mm x 3 mm thick tinned copper electrode 2 Nos 50 x 6 mm copper strip up to ground level 20mm dia medium class GI pipe (India Tube Company make or approved equal) CI funnel with 20 gauge GI wire mesh, masonry chamber with concrete base, CI man-hole cover with frame (300mm x 300mm) and bitumastic paint and packing the fixture of charcoal and common salt around plate electrode 2 Nos 50 x 6 mm copper strip up to ground level 20mm dia medium class GI pipe (India Tube Company make or approved equal) CI funnel with 20 gauge GI wire mesh, masonry chamber with concrete base, CI man-hole cover with frame (300mm x 300mm) and bitumastic paint and packing the fixture of charcoal and common salt around plate electrode 2 Nos 50 x 6 mm copper strip up to ground level 20mm dia medium class GI pipe (India Tube Company make or approved equal) CI funnel with 20 gauge GI wire mesh, masonry chamber with concrete base, CI man-hole cover with frame (300mm x 300mm) and bitumastic paint and packing the fixture of charcoal and | | 63A, 415V, 10 KA TP&N, MCCB with rotary drive kit including door | | | | |
| SI. No. 03 Earthing (Power) a Supply & Fixing 25 mm PVC Pipe with 8 SWG 2no, Copper wire for Earthing. Supplying & Iaying / fixing of 40mm. x 6mm. G.I taps from earthing station to earth bus-bar / testing link including excavation of earth & refilling, G.I fixing, jointing accessories etc. as required. Providing earthing station at loca-tion as called for including providing 600 mm x 600 mm x 6 mm thick tinned G1 electrode 2 Nos 50 x 6 mm G1 strip up to ground level 20mm dia medium class G1 pipe (india Tube Company make or approved equal) CI funnel with 20 gauge G1 wire mesh, masonry chamber with concrete base, CI man-hole cover with frame (300mm x 300mm) and bitumastic paint and packing the fixture of charcaal and common salt around plate electrode complete as per I.S. (Minimum depth shall be 3.0 M) (for Body earthing). The resistance of the earth system shall not exceed 1 ohm - This Earthing will be used for Body earthing of all Equioments Providing earthing station at loca-tion as called for including providing 600 mm x 600 mm x 3 mm thick tinned copper electrode 2 Nos 50 x 6 mm copper strip up to ground level 20mm dia medium class G1 pipe (india Tube Company make or approved equal) CI funnel with 20 gauge G1 wire mesh, masonry chamber with concrete base, CI man-hole cover with frame (300mm x 300mm) and bitumastic paint and packing the fixture of charcoal and common salt around plate electrode complete as per I.S. (Minimum depth shall be 3.0 M) () () (one for equiment earthing & technical earthing, another for Neutral earthing & CI man-hole cover with frame (300mm x 300mm) and bitumastic paint and packing the fixture of charcoal and common salt around plate electrode complete as per I.S. (Minimum depth shall be 3.0 M) () () (one for equiment earthing & technical earthing, another for Neutral earthing) - The resistance of the earth system shall not exceed 1 ohm - This Earthing will be used for Electronic Earthing. | | | 5 | рс | | |
| SI. No. 03 Earthing (Power) a Supply & Fixing 25 mm PVC Pipe with 8 SWG 2no, Copper wire for Earthing. Supplying & laying / fixing of 40mm. x 6mm. G.I taps from earthing station to earth bus-bar / testing link including excavation of earth & refilling, G.I fixing, Jointing accessories etc. as required. Providing earthing station at loca-tion as called for including provid-ing 600 mm x 600 mm x 600 mm x 60 mm to mm thick tinned GI electrode 2 Nos 50 x 6 mm GI strip up to ground level 20mm dia medium class GI pipe (India Tube Company make or approved equal) CI funnel with 20 gauge GI wire mesh, masonry chamber with concrete base, CI man-hole cover with frame (300mm x 300mm) and bitumastic paint and packing the fixture of the earth system shall not exceed 1 ohm - This Earthing will be used for Body earthing of all Equioments Providing earthing station at loca-tion as called for including provid-ing 600 mm x 600 mm x 300 mm x 300 mm and bitumastic paint and packing the fixture of the earth system shall not exceed 1 ohm - This Earthing will be used for Body earthing of all Equioments Providing earthing station at loca-tion as called for including provid-ing 600 mm x 600 mm x 300 mm and bitumastic paint and packing the fixture of Body earthing of all Equioments Providing earthing station at loca-tion as called for including provid-ing 600 mm x 600 mm x 500 mm and bitumastic paint and packing the fixture of Body earthing of all Equioments A company make or approved equal) CI funnel with 20 gauge GI wire mesh, masonry chamber with concrete base, CI man-hole cover with frame (300mm x 300mm) and bitumastic paint and packing the fixture of Body earthing another for Neutral earthing by the complete sper L. S. Minimum depth shall be 3.0 M.) (One for equiment earthing & technical earthing, another for Neutral earthing by The resistance of the earth system shall not exceed 1 ohm - This Earthing will be used for Electronic Earthing Providing Earth distribution Box (Bus Bar Station) to be installed in the branch near DB | | Make : Siemens / L&1/Haveiis | 1 | 1.5-4 | | |
| SI. No. 03 Earthing (Power) a Supply & Fixing 25 mm PVC Pipe with 8 SWG 2no, Copper wire for Earthing. Supply & Fixing 25 mm PVC Pipe with 8 SWG 2no, Copper wire for Earthing. Supply & Fixing 25 mm PVC Pipe with 8 SWG 2no, Copper wire for Earthing. Supplying & laying / fixing of 40mm. X 6mm. G.I taps from earthing station to earth bus-bar / testing link including excavation of earth & refilling, G.I fixing, jointing accessories etc. as required. Providing earthing station at loca-tion as called for including provid-ing 600 mm x 600 mm x 600 mm x 6 mm thick tinned Gi electrode 2 Nos 50 x 6 mm GI strip up to ground level 20mm dia medium class Gi pipe (India Tube Company make or approved equal) CI funnel with 20 gauge GI wire mesh, masonry chamber with concrete base, CI man-hole cover with frame G300mm x 300mm and bitumastic paint and packing the fixture of the earth system shall not exceed 1 ohm - This Earthing will be used for Body earthing of all Equioments Providing earthing station at loca-tion as called for including provid-ing 600 mm x 600 mm x 300 mm x 600 | | | 1 | 1 361 | Unit Rate (Rs.) | |
| a Supply & Fixing 25 mm PVC Pipe with 8 SWG 2no, Copper wire for Earthing. Supplying & laying / fixing of 40mm. x 6mm. G.I taps from earthing station to earth bus-bar / testing link including excavation of earth & refilling, G.I fixing, jointing accessories etc. as required. Providing earthing station at loca-tion as called for including provid-ing 600 mm x 600 mm x 6 mm thick tinned GI electrode 2 Nos 50 x 6 mm GI strip up to ground level 20mm dia medium class GI pipe (India Tube Company make or approved equal) CI funnel with 20 gauge GI wire mesh, masonry chamber with concrete base, CI man-hole cover with frame (300mm x 300mm) and bitumastic paint and packing the fixture of charcoal and common salt around plate electrode complete as per I.S. (Minimum depth shall be 3.0 M) (for Body earthing) - The resistance of the earth system shall not exceed 1 ohm - This Earthing will be used for Body earthing of all Equioments Providing earthing station at loca-tion as called for including provid-ing 600 mm x 600 mm x 3 mm thick tinned copper electrode 2 Nos 50 x 6 mm copper strip up to ground level 20mm dia medium class GI pipe (India Tube Company make or approved equal) CI funnel with 20 gauge GI wire mesh, masonry chamber with concrete base, CI man-hole cover with frame (300mm x 300mm) and bitumastic paint and packing the fixture of charcoal and common salt around plate electrode complete as per I.S. (Minimum depth shall be 3.0 M) (One for equiment earthing & technical earthing, another for Neutral earthing) - The resistance of the earth system shall not exceed 1 ohm - This Earthing will be used for Electronic Earthing Providing Earth distribution Box (Bus Bar Station) to be installed in the branch near DB's and UPS, comprising of a bus bar of 3x25x180mm Cu Nos. 4 | | Description | Quantity | Unit | (Exclusive of GST on work | (Exclusive of GST on |
| a Earthing. Supplying & laying / fixing of 40mm. x 6mm. G.I taps from earthing station to earth bus-bar / testing link including excavation of earth & refilling, G.I fixing, jointing accessories etc. as required. Providing earthing station at loca-tion as called for including provid-ing 600 mm x 600 mm x 6 mm thick tinned GI electrode 2 Nos 50 x 6 mm GI strip up to ground level 20mm dia medium class GI pipe (India Tube Company make or approved equal) CI funnel with 20 gauge GI wire mesh, masonry chamber with concrete base, CI man-hole cover with frame c (300mm x 300mm) and bitumastic paint and packing the fixture of charcoal and common salt around plate electrode complete as per I.S. (Minimum depth shall be 3.0 M) (for Body earthing) - The resistance of the earth system shall not exceed 1 ohm - This Earthing will be used for Body earthing of all Equioments Providing earthing station at loca-tion as called for including provid-ing 600 mm x 600 mm x 3 mm thick tinned copper electrode 2 Nos 50 x 6 mm copper strip up to ground level 20mm dia medium class GI pipe (India Tube Company make or approved equal) CI funnel with 20 gauge GI wire mesh, masonry chamber with concrete base, CI man-hole cover with frame (300mm x 300mm) and bitumastic paint and packing the fixture of charcoal and common salt around plate electrode complete as per I.S. (Minimum depth shall be 3.0 M) (One for equiment earthing & technical earthing, another for Neutral earthing) - The resistance of the earth system shall not exceed 1 ohm - This Earthing will be used for Electronic Earthing Providing Earth distribution Box (Bus Bar Station) to be installed in the branch near DB's and UPS, comprising of a bus bar of 3x25x180mm Cu Nos. 4 | Sl. No. 03 | Earthing (Power) | | | | |
| a Earthing. Supplying & laying / fixing of 40mm. x 6mm. G.I taps from earthing station to earth bus-bar / testing link including excavation of earth & refilling, G.I fixing, jointing accessories etc. as required. Providing earthing station at loca-tion as called for including provid-ing 600 mm x 600 mm x 6 mm thick tinned GI electrode 2 Nos 50 x 6 mm GI strip up to ground level 20mm dia medium class GI pipe (India Tube Company make or approved equal) CI funnel with 20 gauge GI wire mesh, masonry chamber with concrete base, CI man-hole cover with frame c (300mm x 300mm) and bitumastic paint and packing the fixture of charcoal and common salt around plate electrode complete as per I.S. (Minimum depth shall be 3.0 M) (for Body earthing) - The resistance of the earth system shall not exceed 1 ohm - This Earthing will be used for Body earthing of all Equioments Providing earthing station at loca-tion as called for including provid-ing 600 mm x 600 mm x 3 mm thick tinned copper electrode 2 Nos 50 x 6 mm copper strip up to ground level 20mm dia medium class GI pipe (India Tube Company make or approved equal) CI funnel with 20 gauge GI wire mesh, masonry chamber with concrete base, CI man-hole cover with frame (300mm x 300mm) and bitumastic paint and packing the fixture of charcoal and common salt around plate electrode complete as per I.S. (Minimum depth shall be 3.0 M) (One for equiment earthing & technical earthing, another for Neutral earthing) - The resistance of the earth system shall not exceed 1 ohm - This Earthing will be used for Electronic Earthing Providing Earth distribution Box (Bus Bar Station) to be installed in the branch near DB's and UPS, comprising of a bus bar of 3x25x180mm Cu Nos. 4 | | | | | | |
| b to earth bus-bar / testing link including excavation of earth & refilling, G.I fixing, Jointing accessories etc. as required. Providing earthing station at loca-tion as called for including provid-ing 600 mm x 600 mm x 6 mm thick tinned GI electrode 2 Nos 50 x 6 mm GI strip up to ground level 20mm dia medium class GI pipe (India Tube Company make or approved equal) CI funnel with 20 gauge GI wire mesh, masonry chamber with concrete base, CI man-hole cover with frame (300mm x 300mm) and bitumastic paint and packing the fixture of charcoal and common salt around plate electrode complete as per I.S. (Minimum depth shall be 3.0 M) (for Body earthing) - The resistance of the earth system shall not exceed 1 ohm - This Earthing will be used for Body earthing of all Equioments Providing earthing station at loca-tion as called for including provid-ing 600 mm x 600 mm x 3 mm thick tinned copper electrode 2 Nos 50 x 6 mm copper strip up to ground level 20mm dia medium class GI pipe (India Tube Company make or approved equal) CI funnel with 20 gauge GI wire mesh, masonry chamber with concrete base, CI man-hole cover with frame (300mm x 300mm) and bitumastic paint and packing the fixture of charcoal and common salt around plate electrode complete as per I.S. (Minimum depth shall be 3.0 M) (One for equiment earthing & technical earthing, another for Neutral earthing) - The resistance of the earth system shall not exceed 1 ohm - This Earthing will be used for Electronic Earthing Providing Earth distribution Box (Bus Bar Station) to be installed in the branch near DB's and UPS, comprising of a bus bar of 3x25x180mm Cu Nos. 4 | a | Earthing. | Mtr. | 100 | | |
| 600 mm x 600 mm x 6 mm thick tinned GI electrode 2 Nos 50 x 6 mm GI strip up to ground level 20mm dia medium class GI pipe (India Tube Company make or approved equal) CI funnel with 20 gauge GI wire mesh, masonry chamber with concrete base, CI man-hole cover with frame (300mm x 300mm) and bitumastic paint and packing the fixture of charcoal and common salt around plate electrode complete as per I.S. (Minimum depth shall be 3.0 M) (for Body earthing) - The resistance of the earth system shall not exceed 1 ohm - This Earthing will be used for Body earthing of all Equioments Providing earthing station at loca-tion as called for including provid-ing 600 mm x 600 mm x 3 mm thick tinned copper electrode 2 Nos 50 x 6 mm copper strip up to ground level 20mm dia medium class GI pipe (India Tube Company make or approved equal) CI funnel with 20 gauge GI wire mesh, masonry chamber with concrete base, CI man-hole cover with frame (300mm x 300mm) and bitumastic paint and packing the fixture of charcoal and common salt around plate electrode complete as per I.S. (Nos. 2 Minimum depth shall be 3.0 M) (One for equiment earthing & technical earthing, another for Neutral earthing) - The resistance of the earth system shall not exceed 1 ohm - This Earthing will be used for Electronic Earthing Providing Earth distribution Box (Bus Bar Station) to be installed in the branch near DB's and UPS, comprising of a bus bar of 3x25x180mm Cu Nos. 4 | b | to earth bus-bar / testing link including excavation of earth & refilling, G.I | Mtr. | 100 | | |
| 600 mm x 600 mm x 3 mm thick tinned copper electrode 2 Nos 50 x 6 mm copper strip up to ground level 20mm dia medium class GI pipe (India Tube Company make or approved equal) CI funnel with 20 gauge GI wire mesh, masonry chamber with concrete base, CI man-hole cover with frame (300mm x 300mm) and bitumastic paint and packing the fixture of charcoal and common salt around plate electrode complete as per I.S. (Minimum depth shall be 3.0 M) (One for equiment earthing & technical earthing, another for Neutral earthing) - The resistance of the earth system shall not exceed 1 ohm - This Earthing will be used for Electronic Earthing Providing Earth distribution Box (Bus Bar Station) to be installed in the branch near DB's and UPS, comprising of a bus bar of 3x25x180mm Cu Nos. 4 | с | 600 mm x 600 mm x 6 mm thick tinned GI electrode 2 Nos 50 x 6 mm GI strip up to ground level 20mm dia medium class GI pipe (India Tube Company make or approved equal) CI funnel with 20 gauge GI wire mesh, masonry chamber with concrete base, CI man-hole cover with frame (300mm x 300mm) and bitumastic paint and packing the fixture of charcoal and common salt around plate electrode complete as per I.S. (Minimum depth shall be 3.0 M) (for Body earthing) - The resistance of the earth system shall not exceed 1 ohm - This Earthing will be used for | Nos. | 2 | | |
| e branch near DB's and UPS, comprising of a bus bar of 3x25x180mm Cu Nos. 4 | d | 600 mm x 600 mm x 3 mm thick tinned copper electrode 2 Nos 50 x 6 mm copper strip up to ground level 20mm dia medium class GI pipe (India Tube Company make or approved equal) CI funnel with 20 gauge GI wire mesh, masonry chamber with concrete base, CI man-hole cover with frame (300mm x 300mm) and bitumastic paint and packing the fixture of charcoal and common salt around plate electrode complete as per I.S. (Minimum depth shall be 3.0 M) (One for equiment earthing & technical earthing, another for Neutral earthing) - The resistance of the earth system shall not exceed 1 ohm - This Earthing will be used for Electronic | Nos. | 2 | | |
| | e | branch near DB's and UPS, comprising of a bus bar of 3x25x180mm Cu | | 4 | | |

| Sr. No. | Description | Unit | Qty. | Unit Rate (Rs.) (Exclusive of GST on work contract) | Amount (Rs.) (Exclusive of GST on work contract) |
|---------|---|------|------|--|--|
| | | | | | |
| Α | DISTRIBUTION BOARDS. | | | | |
| | Supply and installation of following metallic double door MCB Distribution Board with MCB having breaking capacity of 10 KA (minimum) complete with busbar, interconnection, painting, mounted on flat iron frame on wall/flushed with finished wall by chase cutting, mending good to original finish painting etc. as required. Name plate & number of DBs are to be fixed up on front door of DBs for their identification | | | | |
| 1 | MAIN AIRCONDITIONER DB - Distribution Board with provision of fixing MCCB as comer,having vertical fish bone busbar, with all internals such as DIN channels,neutral link,internal wiring ,termination of circuits complete in all respects with housing of following:-160 A 4 Pole MCCB (36kA) as incomer and 6 Nos. 25A TP MCB's and 12 nos. 25 Amps SP MCBs at outgoing. (MCCB/MCB Make - Havells/Legrand/L&T/MDS) | Nos. | 2 | | |
| 2 | DG supported Air Conditioner DB SPN MCB DB complete with all respects and the following MCBs. INCOMING: 1 No. 240V 63A(10KA) DP MCB OUTGOING: 4 Nos. 240V 25 (10 KA) SP MCB | Nos. | 1 | | |
| 3 | 12-WAY TPN MCB DB with 40 A TP & N MCB as main (Lighting)16 A SPMCB-12 Nos.,10 AMPs SP MCB-24 Nos,Neutral Bar-01 set | Nos. | 2 | | |
| 4 | 12-WAY TPN MCB DB with 40 A TP&N MCB as main (RAW POWER)16 A SPMCB-12 Nos.,10 AMPs SP MCB-24 Nos,Neutral Bar-01 set | Nos. | 4 | | |
| 5 | 63A, 415V, 10 KA TP&N, MCCB with rotary drive kit including door interlock, defeat , padlocking facility in a Metal Enclosure as UPS INCOMING | | 2 | | |
| 6 | Supplying, installation and Termination of UPS out-going power distribution system with 16 way SPN DB comprising of 16 \times 16 AMPs SP MCB and 32 AMPs DP RCBO 300 MA as main (MDS/Havells make) IP-42 protection with double door. | Nos. | 5 | | |
| Sr. No. | Description | Unit | Qty. | Unit Rate (Rs.) (Exclusive of GST on work contract) | Amount (Rs.) (Exclusive of GST on work contract) |
| | CABLES AND CABLE END TERMINATION | | | | |
| В | Supplying, installation, testing & commissioning,laying,lugging,etc of PVC insulated aluminium armoured 1.1 KV grade 3.5 cored cable of following size with making proper trench/support on wall as per IS specification and complete with all respect as per the instruction of Engineer-In-Charge(E-I-C) . Use MS Conduit for overhead above the fall ceiling | | | | |
| 1 | Supply & Fixing 4 C X 70 Sq.mm Al. Ar. Cable From panel to MAIN AC DB | Mtr | 100 | | |
| 2 | Supply & Fixing 3.5 C X 35 Sqmm Al. Ar. Cable From panel to Lighting DB | Mtr | 100 | | |
| 3 | Supply & Fixing 3.5 C X 35 Sqmm Al. Ar. Cable From panel to Raw Power DB | Mtr | 100 | | |
| 5 | Supply & Fixing 4.0 Nos.Single 25 Sqmm Cu. PVC Insulated Flexible wire in PVC Conduit / MS Conduit for overhead above fall ceiling (from panel to UPS INCOMING ENCLOSURE) | Mtr | 150 | | |
| 6 | Supply & Fixing 3.0 Nos.single 25 Sqmm Cu. PVC Insulated wire in PVC Conduit (from UPS to UPS DB) - Use MS conduit for overhead above fall ceiling cable laying | Mtr | 60 | | |
| 7 | Supply & Fixing Cable End Termination. | | | | |
| а | 3.5 C X 70 Sqmm Al. Ar. | Set | 72 | | |
| С | 3.5 C X 35 Sqmm Al. Ar. | Set | 40 | | |
| d | 1.0 C Copper Flexible | set | 36 | | |
| i e | | | | | |

| Sr. No. | Description | Unit | Qty. | Unit Rate (Rs.) (Exclusive of GST on work contract) | Amount (Rs.) (Exclusive of GST on work contract) |
|---------|--|------|----------------|--|--|
| С | WIRING | | 1 | • | |
| 1 | Wiring for Light Point with 20 mm PVC pipe with 2x1.5 Sqmm wire and 1x1.5 Sqmm green earth wire for light Points as reqd. complete with modular switch with front plate - Use MS conduit for overhead above fall celing cable laying | | | | |
| а | One light controlled by 6A switch | Nos. | 44 | | |
| b | Two light controlled by 6A switch | Nos. | 40 | | |
| С | Three light controlled by 6A switch | Nos. | 53 | | |
| d | Exhaust fan point with 6 A sw complete with modular switch plate & M.S conceal box & 3 pin ceiling rose | Nos. | 8 | | |
| е | Ceiling fan point with supply and fixing of Electronic Regulator (2 module step, 120 watt rating) N | Nos. | 6 | | |
| f | Wall Fan point complete with modular switch plate & M.S conceal box & 3 pin ceiling rose | Nos. | 60 | | |
| g | Call bell point with push type switch, modular plate & M.S. conceal box with buzzer or ding dong type bell | Nos. | 9 | | |
| 2 | RAW POINT WIRING-The wiring shall pass through MS pipe of 25 mm dia false ceiling mending good all the dam | | ark to conceal | on wall below | |
| a | Supply, laying of circuit line 2x2.5 sq.mm +1 x 1.5 Sq.mm in in 20 mm concealed PVC conduits from MCB type RAW POWER DB to 16/20 amp plug points (2 nos. 1620 Amps plugs to be connected from one circuit line) -Use MS conduit for overhead above fall ceiling. | Mts. | 1000 | | |
| b | Supply and Fixing of 2 nos 16/20A 5 pin modular type international sockets with single 16/20A Modular type controlling switch for raw power socket outlet for each work station. | Nos. | 70 | | |
| С | Wiring for Power Point 6/10 A Switch & Socket with 25mm concealed PVC conduit with 2x2.5 Sqmm wire and 1x1.5 Sqmm green earth wire for Power Points as reqd. This line has to be drawn from the power DB. (02 nos. plugs to be connected with one circuit)-Use MS conduit for overhead above fall ceiling. | Mtr | 500 | | |
| d | Modular type 6/16 A switch. with 16A 5 pin socket . Mounted on suitable front plate | Nos. | 50 | | |
| Sr. No. | Description | Unit | Qty. | Unit Rate (Rs.) (Exclusive of GST on work contract) | Amount (Rs.) (Exclusive of GST on work contract) |
| 3 | UPS WIRING | | | | |
| a | Wiring for Power Point 6/16 A Switch & Socket with 25mm PVC pipe with 2x2.5 Sqmm wire and 1x1.5 Sqmm green earth wire through M.S. conduits 20 mm dia 16 SWG with ISI mark to lay from UPS MCB DB to plug point board -Use MS conduit for overhead above fall ceiling. | Mtr | 1000 | | |
| b | Supply and fixing of 4 nos 6/10A 5 pin modular type international sockets with single 16A Modular type controlling switch with indicator on table top for computer/ups socket outlet | Set | 60 | | |
| С | Do- but 3 x 6/16, 6 pin socket with three control switch to provide near HUB Rack and line printer to be connected from UPS power. | Set | 6 | | |
| d | Supplying, installation of UPS incoming 63 Amps industrial socket with 40 Amps SPMCB (2 nos. for out going and 2 nos. for incoming) | Nos. | 30 | | |
| Sr. No. | Description | Unit | Qty. | Unit Rate (Rs.) (Exclusive of GST on work contract) | Amount (Rs.) (Exclusive of GST on work contract) |
| D | DATA/ TELEPHONE-LOW VOLTAGE SYSTEM | | | | |
| 1 | Supplying, laying and connection of telephone points with 2 pair .51 sq.mm tinned Cu conductor through PVC casing ISI mark from telephone point to Krone DB complete with RJ 11 telephone socket modular type in PVC concealed box. | Nos. | 10 | 360 | |
| 2 | Do- 10 pair 0.51 sq.mm copper conductor telephone cable in 20 mm dia | Mtr. | 300 | | |

| | | | | T T | |
|---------|---|------|------|--|--|
| - | Supply, fixing and connection of 20 pair KRONE connector DB complete with PVC moulded Telephone DB box with locking system | set | 1 | | |
| 4 | Supply & Connecting Telephone Handset.Beetal M51 or C51 black Colour Corded land line phone | set | 10 | | |
| 5 | Providing & Laying Wiring for Data points From server to computer Table CAT 6E Cable. (Make : Cat 6e D -Link) | Mtr. | 2500 | | |
| 6 | Providing & Fixing modual type RJ - 45 I/O Box Single Outlets in Complete.(RJ45 socket,Patch Panel,) | Nos. | 60 | | |
| 7 | Supply of 2 mtr. Long E-CAT 6 PATCH CHORD (Make: D-LINK, AMP, HCL, Legrand, Digisol) | Nos. | 60 | | |
| 7 | Providing and laying PVC pipe complete as reqd. for Data/Telephone-Low Voltage System | | | | |
| а | 20 MM | Mtr. | 300 | | |
| b | 25 MM | Mtr. | 250 | | |
| × | Supply & installation of 9U Rack with power supply arrangement, ventilation fan, mounting racks etc. Complete with all accessories. | Nos. | 1 | | |
| Sr. No. | Description | Unit | Qty. | Unit Rate (Rs.) (Exclusive of GST on work contract) | Amount (Rs.) (Exclusive of GST on work contract) |
| E | FIXTURES. | | | | |
| 1 : | 2'-0"x2"-0" Surface LED (Wipro /Crompton Greaves/PHILIPS/GE make) | Nos. | 83 | | |
|) | Supply and Fixing of 1x36/40 Watts 4' length Slim LED Tube Light (Wipro /Crompton Greaves/PHILIPS/GE make) ,cobe light. | Nos. | 100 | | |
| 4 | Supply and Fixing of 1x18 Watts 2' length LED Tube Lights (Wipro /Crompton Greaves/PHILIPS make) | Nos. | 7 | | |
| 5 | Supply and Fixing of Recessed mounted Downlighter 15 watts- Model CROM LED15-Cat. No. LCDD-15-CDL-CG make. | Nos. | 85 | | |
| | Supply and Fixing of ModularSport Light of 100mm size with 9watts Led (Wipro /Crompton Greaves/PHILIPS make) | Nos. | 22 | | |
| 6 | 9" heavy duty exhaust fan with louvre in toilet / pantry inclusive of hole cutting in the wall and finished with plastering complete | Nos. | 8 | | |
| 7 | Wall Hung fan complete 450 mm ,3 pin Metallic Blade ,1400 rpm wall mounted fan with all fitting and mending good all damages (Havells /Orient/bajaj make) | Nos. | 50 | | |
| 8 | Ceiling Hung fan complete with all fitting and mending good all damages | Nos. | 6 | | |
| | | | | | |
| F | A / C SYSTEM | | • | • | |
| 1 | Suppy & fixing of starter of 240V 25 A with 3 pin plug in recessed MS box suitable for 2 TR Hi wall Split Unit | Nos. | 18 | | |
| 2 | Supply and Fixing in 25mm MS conduit with 3x 6 Sqmm Cu. Cable For Single phase A/C Point Complete & reqd. | Mtr | 950 | | |
| 3 | Supply and Fixing in 25mm MS conduit with 4 corex 6 Sqmm Copper flexible PVC insulated for three phase A/C Point Complete & reqd. | Mtr | 300 | | |
| Sr. No. | Description | Unit | Qty. | Unit Rate (Rs.) (Exclusive of GST on work contract) | Amount (Rs.) (Exclusive of GST on work contract) |
| G | GLOW SIGN BOARD | | • | | |
| a | Supplying, laying of main line with 2 x 2.5 sq. mm + 1 x 1.5 sq. mm through M.S conduit from main panel to glow sign board | Mtr | 180 | | |
| | Supplying , fixing of 16 Amps DP MCB at main entrance with Glow sign | 4 | 3 | | |
| h | board timer (24 hours in original housing) | set | | <u> </u> | |

| (Exclusive of GST on work | | | | | | EARTHING (For Room) | Н |
|--|-----------|---|---------------------------|----------|--------------|--|-------|
| Part- B Air Conditioning Work Conditioning Conditioning Conditioning Contract | | | | 100 | Mtr. | | 1 |
| Part- B Air Conditioning Work Cartive of GST on work (Exclusive of GST on work contract) Cartive of GST on work cont | | | | | | | |
| 1 Supply of units 2.0 TR SPLIT (5 star inverter) Make- Daiken, Hitachi a. carrier, voltas, bluestar.'o' general 3.0 TR CASSETTE - Make- Daiken, Hitachi carrier, voltas, bluestar.'o' general 2.0 TR CASSETTE - Make- Daiken, Hitachi carrier, voltas, bluestar.'o' general 11 No 2 ANCILLARY WORK 2.1 Installation of units 2.1.2 3 TR CASSETTE 5 Nos 2.1.3 2.0 TR CASSETTE 11 Nos 2.1.4 2.0 TR SPLIT 2.2 Frame Work: Fabrication, supply and installation of paited MS base stand 2.3 Copper Refrigirant Piping for all Ac TR (beyond 5RMT per AC) 180 Mos (Exclusive of GST on work (Exclusive of GST on work (Exclusive work of ST on work contract) Amou (Exclusive of GST on work (Exclusive work of ST on work contract) 1 No 1 No 2 No 3 No 5 No 5 No 5 Nos 6 Nos 7 No | | | | | (A) in Rs | TOTAL AMOUNT FOR ELECTRICAL WORKS | |
| 1 Supply of units 2.0 TR SPLIT (5 star inverter) Make- Daiken, Hitachi a. carrier, voltas, bluestar.'o' general 3.0 TR CASSETTE - Make- Daiken, Hitachi carrier, voltas, bluestar.'o' general 2.0 TR CASSETTE - Make- Daiken, Hitachi carrier, voltas, bluestar.'o' general 11 No 2 ANCILLARY WORK 2.1 Installation of units 2.1.2 3 TR CASSETTE 5 Nos 2.1.3 2.0 TR CASSETTE 11 Nos 2.1.4 2.0 TR SPLIT 2.2 Frame Work: Fabrication, supply and installation of paited MS base stand 2.3 Copper Refrigirant Piping for all Ac TR (beyond 5RMT per AC) 180 Mos (Exclusive of GST on work (Exclusive of GST on work (Exclusive work of ST on work contract) Amou (Exclusive of GST on work (Exclusive work of ST on work contract) 1 No 1 No 2 No 3 No 5 No 5 No 5 Nos 6 Nos 7 No | | | | | | | |
| 1 Supply of units 2.0 TR SPLIT (5 star inverter) Make- Daiken, Hitachi a. carrier, voltas, bluestar. 'o' general 3 No 3.0 TR CASSETTE - Make- Daiken, Hitachi carrier, voltas, bluestar.'o' b. general 2.0 TR CASSETTE - Make- Daiken, Hitachi carrier, voltas, bluestar.'o' c. general 11 No 2 ANCILLARY WORK 2.1 Installation of units 2.1.2 3 TR CASSETTE 5 Nos 2.1.3 2.0 TR CASSETTE 11 Nos 2.1.4 2.0 TR SPLIT 2.1.4 2.0 TR SPLIT 3 Nos 2.2 Frame Work: Fabrication, supply and installation of paited MS base stand 19 Nos 2.3 Copper Refrigirant Piping for all Ac TR (beyond 5RMT per AC) 180 Rmt | | | | | Work | Part- B Air Conditioning | |
| a. carrier, voltas, bluestar.'o' general 3 No 3.0 TR CASSETTE - Make- Daiken, Hitachi carrier, voltas, bluestar.'o' general 2.0 TR CASSETTE - Make- Daiken, Hitachi carrier, voltas, bluestar.'o' 11 No 2 ANCILLARY WORK 2.1 Installation of units 2.1.2 3 TR CASSETTE 5 Nos 2.1.3 2.0 TR CASSETTE 5 Nos 2.1.4 2.0 TR SPLIT 3 Nos 2.2 Frame Work: Fabrication, supply and installation of paited MS base stand 19 Nos 2.3 Copper Refrigirant Piping for all Ac TR (beyond 5RMT per AC) 180 Rmt | of GST on | Amount (R (Exclusive of G work contra | (Exclusive of GST on work | UNIT | QTY | Supply of units | 1 |
| a. Carrier, Voltas, Bluestar. O general 3.0 TR CASSETTE - Make- Daiken, Hitachi carrier, voltas, bluestar.'o' b. general 2.0 TR CASSETTE - Make- Daiken, Hitachi carrier, voltas, bluestar.'o' general 11 No 2 ANCILLARY WORK 2.1 Installation of units 2.1.2 3 TR CASSETTE 5 Nos 2.1.3 2.0 TR CASSETTE 11 Nos 2.1.4 2.0 TR SPLIT 2.1.5 Frame Work: Fabrication, supply and installation of paited MS base stand 19 Nos 2.3 Copper Refrigirant Piping for all Ac TR (beyond 5RMT per AC) 180 Rmt | | | | | 2 | 2.0 TR SPLIT (5 star inverter) Make- Daiken, Hitachi | |
| b. general 2.0 TR CASSETTE - Make- Daiken, Hitachi carrier, voltas, bluestar.'o' general 11 No 2 ANCILLARY WORK 2.1 Installation of units 2.1.2 3 TR CASSETTE 5 Nos 2.1.3 2.0 TR CASSETTE 11 Nos 2.1.4 2.0 TR SPLIT 2.1.4 2.0 TR SPLIT 3 Nos 2.2 Frame Work: Fabrication, supply and installation of paited MS base stand 19 Nos 2.3 Copper Refrigirant Piping for all Ac TR (beyond 5RMT per AC) 180 Rmt | | | | NO | 3 | carrier,voltas,bluestar.'o' general | a. |
| c. general 11 No | | | | No | 5 | | b. |
| 2.1 Installation of units 2.1.2 3 TR CASSETTE 5 Nos 2.1.3 2.0 TR CASSETTE 11 Nos 2.1.4 2.0 TR SPLIT 3 Nos 2.2 Frame Work: Fabrication, supply and installation of paited MS base stand 19 Nos 2.3 Copper Refrigirant Piping for all Ac TR (beyond 5RMT per AC) 180 Rmt | | | | No | 11 | | C. |
| 2.1 Installation of units 2.1.2 3 TR CASSETTE 5 Nos 2.1.3 2.0 TR CASSETTE 11 Nos 2.1.4 2.0 TR SPLIT 3 Nos 2.2 Frame Work: Fabrication, supply and installation of paited MS base stand 19 Nos 2.3 Copper Refrigirant Piping for all Ac TR (beyond 5RMT per AC) 180 Rmt | | | | | | | |
| 2.1.2 3 TR CASSETTE 5 Nos 2.1.3 2.0 TR CASSETTE 11 Nos 2.1.4 2.0 TR SPLIT 3 Nos 2.2 Frame Work: Fabrication, supply and installation of paited MS base stand 19 Nos 2.3 Copper Refrigirant Piping for all Ac TR (beyond 5RMT per AC) 180 Rmt | | | | | | ANCILLARY WORK | 2 |
| 2.1.2 3 TR CASSETTE 5 Nos 2.1.3 2.0 TR CASSETTE 11 Nos 2.1.4 2.0 TR SPLIT 3 Nos 2.2 Frame Work: Fabrication, supply and installation of paited MS base stand 19 Nos 2.3 Copper Refrigirant Piping for all Ac TR (beyond 5RMT per AC) 180 Rmt | | | | | | | |
| 2.1.3 2.0 TR CASSETTE 2.1.4 2.0 TR SPLIT 3 Nos 2.2 Frame Work: Fabrication, supply and installation of paited MS base stand 19 Nos 2.3 Copper Refrigirant Piping for all Ac TR (beyond 5RMT per AC) 180 Rmt | | | | | | Installation of units | 2.1 |
| 2.1.3 2.0 TR CASSETTE 2.1.4 2.0 TR SPLIT 3 Nos 2.2 Frame Work: Fabrication, supply and installation of paited MS base stand 19 Nos 2.3 Copper Refrigirant Piping for all Ac TR (beyond 5RMT per AC) 180 Rmt | | | | Nos | 5 | 3 TR CASSETTE | 2.1.2 |
| 2.2 Frame Work: Fabrication, supply and installation of paited MS base stand 19 Nos 2.3 Copper Refrigirant Piping for all Ac TR (beyond 5RMT per AC) 180 Rmt | | | | Nos | 11 | 2.0 TR CASSETTE | 2.1.3 |
| Fabrication, supply and installation of paited MS base stand 19 Nos 2.3 Copper Refrigirant Piping for all Ac TR (beyond 5RMT per AC) 180 Rmt | | | | Nos | 3 | 2.0 TR SPLIT | 2.1.4 |
| 2.3 Copper Refrigirant Piping for all Ac TR (beyond 5RMT per AC) 180 Rmt | | | | | | Frame Work: | 2.2 |
| | | | | Nos | 19 | Fabrication, supply and installation of paited MS base stand | |
| | | | | | | | |
| 2.4 Nitrile Insulation cover for Ac Copper Refrigirant Pipe. 180 Rmt | | | | Rmt | 180 | Copper Refrigirant Piping for all Ac TR (beyond 5RMT per AC) | 2.3 |
| 2.4 Nitrile insulation cover for Ac Copper Refrigirant Pipe. 180 Rmt | | | | | | NIVII I I I I I I I I I I I I I I I I I | |
| | | | | Rmt | 180 | Nitrile Insulation cover for Ac Copper Refrigirant Pipe. | 2.4 |
| 2.5 Electrical cabling between indoor and outdoor unit 180 Rmt | | | | Rmt | 180 | Electrical cabling between indoor and outdoor unit | 2.5 |
| | | | | | | | |
| 2.6 PVC Drain Piping 320 Rmt | | | | Rmt | 320 | PVC Drain Piping | 2.6 |
| Supply & installation of Wall Mounted voltage stabilizers Three Phase 2.7 6.0 KVA.(v.gard/Microtec) 5 Nos. | | | | Nos. | 5 | | 2.7 |
| | | | | | | | _ |
| Supply & installation of Wall Mounted voltage stabilizers for 2 Tr 2.8 cassatte AC and split 5.0 KVA.(v.gard/Microtec) 22 Nos. | | | | Nos. | 22 | | 2.8 |
| | | | | | | | |
| TOTAL AMOUNT FOR AIR CONDITIONING WORK (B) in Rs | | | | | RK (B) in Rs | TOTAL AMOUNT FOR AIR CONDITIONING W | |
| GRAND TOTAL (ELECTRICAL WORK A + AIR CONDITIONING WORK B) in Rs | | | | B) in Rs | NING WORK | GRAND TOTAL (ELECTRICAL WORK A + AIR CONDITIO | _ |

GST on work contract will be extra as applicable.

Necessary metal platform to be made and M. S. Grill with lock and key to be made for outdoor unit as per Architect's choice. Making of Platform and outdoor unit installation location to be fixed as per requirement. No extra charges to be paid for height or other inconvenience.