

QUOTATION

Name of work: Providing additional power points (Single & three Phase) LAN telephone points and replacement of light fittings & fans with allied work as required in Room No. 107 & 115 in ACES building in the campus at IIT Kanpur

| S. No. | Description | Qty. | Unit | Rate | Amount (Rs.) |
|--------|---|-------|-------|---------|--------------|
| 1 | Rewiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable and 1.5 sq.mm FRLS PVC insulated copper conductor single core cable as earth wire in existing surface/ recessed steel/PVC conduit including dismantling as required. | | | | |
| a) | Group C | 5.00 | Point | 924.96 | 4624.81 |
| 2 | Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required. | | | | |
| a) | 1 x 1.5 sq. mm | 10.00 | Metre | 46.56 | 465.59 |
| b) | 3 x 1.5 sq. mm | 20.00 | Metre | 98.29 | 1965.80 |
| c) | 3 x 4 sq. mm | 38.00 | Metre | 213.13 | 8099.11 |
| d) | 3 x 6 sq. mm | 5.00 | Metre | 314.53 | 1572.64 |
| e) | 3 x 10 sq.mm. | 20.00 | Meter | 491.45 | 9829.02 |
| f) | 6 x 10 sq.mm. | 3.00 | Meter | 934.27 | 2802.82 |
| g) | 3 x 16 sq.mm. | 10.00 | Meter | 744.94 | 7449.36 |
| h) | 6 x 16 sq.mm. | 30.00 | Meter | 1441.25 | 43237.35 |
| 3 | Supply and drawing PVC insulated following round copper conductor cable of following size for connection of equipment / exhaust fan etc as reqd. | | | | |
| a) | 10.00 sq. mm , two core | 5.00 | Meter | 353.84 | 1769.22 |
| b) | 16.00 sq. mm , four core | 5.00 | Meter | 987.04 | 4935.20 |
| 4 | Supplying and drawing 2 pair 0.5 mm dia FRLS PVC insulated annealed copper conductor, unarmored telephone cable in the existing surface/ recessed steel/ PVC conduit as required. | 20.00 | Metre | 39.32 | 786.32 |
| 5 | Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator) | | | | |
| a) | 2+8 way , Double door | 1.00 | No. | 2662.11 | 2662.11 |

| S. No. | Description | Qty. | Unit | Rate | Amount (Rs.) |
|--------|--|------|------|----------|--------------|
| 6 | Supplying and fixing following rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. | | | | |
| a) | Single pole 5 A to 32 A | 8.00 | No. | 264.87 | 2118.93 |
| b) | Double pole 5 A to 32 A | 3.00 | No. | 678.72 | 2036.16 |
| c) | Single Pole (40A-63A) | 1.00 | Nos. | 539.04 | 539.04 |
| d) | Double Pole (40A-63A) | 2.00 | Nos. | 1103.95 | 2207.91 |
| e) | Triple pole (40A-63A) | 4.00 | Nos. | 1628.51 | 6514.06 |
| f) | Four Pole (40A-63A) | 1.00 | Nos. | 2019.61 | 2019.61 |
| g) | single pole blanking plate | 3.00 | No. | 13.45 | 40.35 |
| 7 | Supplying and fixing following rating, double pole, (single phase and neutral), 240 V, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required. | | | | |
| a) | 63 A | 1.00 | No. | 2816.27 | 2816.27 |
| 8 | Supplying and fixing 63 amps, 415 volts, 3P+N+E industrial type, socket outlet, with 5 pin metal enclosed plug top along with 63 amps 'C' series four pole MCB, in the sheet steel enclosure, on surface or in recess, with chained metal cover for the socket as required complete. | 4.00 | Nos. | 13104.67 | 52418.69 |
| 9 | S & F metal enclosure suitable for DP/TPN MCB / DP ELCB on surface or recessed etc as reqd. | 5.00 | Nos. | 1044.98 | 5224.90 |
| 10 | Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. | | | | |
| a) | 5/6 A switch | 9.00 | No. | 106.57 | 959.11 |
| b) | 15/16 A switch | 5.00 | No. | 161.40 | 807.01 |
| c) | 3 pin 5/6 A socket outlet | 1.00 | No. | 126.23 | 126.23 |
| d) | 6 pin 15/16 A socket outlet | 5.00 | No. | 203.82 | 1019.11 |
| e) | Telephone socket outlet | 1.00 | No. | 153.13 | 153.13 |
| f) | two module stepped type electronic fan regulator | 3.00 | No. | 381.78 | 1145.34 |
| g) | Blanking Plate | 1.00 | No. | 41.39 | 41.39 |
| 11 | Supplying and fixing following Modular base & cover plate on existing modular metal boxes etc. as required. | | | | |
| a) | 3 Module | 2.00 | No. | 156.23 | 312.46 |
| b) | 6 Module | 2.00 | No. | 188.30 | 376.61 |
| c) | 8 Module | 1.00 | No. | 218.31 | 218.31 |

| S. No. | Description | Qty. | Unit | Rate | Amount (Rs.) |
|--------|---|-------|------|---------|--------------|
| d) | 12 Module | 1.00 | No. | 281.42 | 281.42 |
| 12 | Supplying and fixing following size/ modules, plastic box for modular switches in recess etc as required. | | | | |
| a) | 3 Module | 2.00 | Nos. | 341.43 | 682.86 |
| b) | 6 Module | 2.00 | Nos. | 386.95 | 773.91 |
| c) | 8 Module | 1.00 | Nos. | 406.61 | 406.61 |
| d) | 12 Module | 1.00 | Nos. | 743.90 | 743.90 |
| 13 | Supply and fixing of 32 x 20 mm DLP mini-trunking white-system with independent cover etc. as required complete. | 23.00 | Mtr | 225.55 | 5187.65 |
| 14 | Supply and fixing of following accessories suitable for 32 mm x 20 mm size plastic trunking white system. | | | | |
| a) | End cap | 6.00 | Nos. | 147.95 | 887.72 |
| b) | internal / external angle | 4.00 | Nos. | 140.71 | 562.84 |
| c) | changeable flat angle | 3.00 | Nos. | 118.98 | 356.95 |
| d) | flat junction | 2.00 | Nos. | 140.71 | 281.42 |
| 15 | Supply and fixing of 105 x 50 mm DLP trunking white-system but without cover and partition etc. as required complete. | 10.00 | Mtr | 909.44 | 9094.43 |
| 16 | Supply and fixing of following accessories suitable for 105 mm x 50 mm size plastic trunking white system. | | | | |
| a) | 85 mm flexible cover | 10.00 | Mtr | 400.40 | 4004.03 |
| b) | End cap | 4.00 | Nos. | 185.20 | 740.80 |
| c) | Internal angles- adjustable from 80°-100° | 3.00 | Nos. | 503.87 | 1511.60 |
| d) | external angles- adjustable from 60°-120° | 3.00 | Nos. | 533.87 | 1601.61 |
| e) | flat junction | 1.00 | Nos. | 888.75 | 888.75 |
| f) | flat angles | 1.00 | Nos. | 718.04 | 718.04 |
| g) | separation partitions | 1.00 | Mtr | 237.97 | 237.97 |
| h) | Joints for 85mm width cover | 2.00 | Nos. | 201.75 | 403.51 |
| i) | base joints | 3.00 | Nos. | 88.98 | 266.94 |
| 17 | S & F following size of steel flexible pipe along with the accessories on surface etc as required | | | | |
| a) | 25 mm | 3.00 | Mtr | 85.87 | 257.62 |
| b) | 32 mm | 1.00 | Mtr | 99.32 | 99.32 |
| 18 | Supply and fixing of following LED light fixture with efficiency >100 lumen/ watt, P.F. >0.95, THD<10%, Electronic driver, LED lamp, reflector, diffuser, MS body/housing holder etc. complete with all fixing accessories and lamp as required complete. | | | | |
| a) | 36 watt recess mounting LED light fixture 600 x 600 mm | 9.00 | Nos. | 3030.44 | 27273.99 |

| S. No. | Description | Qty. | Unit | Rate | Amount (Rs.) |
|--------|---|-------|-------|---------|--------------|
| 19 | Supply, Installation, Testing and Commissioning of 1200 mm sweep, BEE 5 star rated, ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, Power Factor not less than 0.9, Service Value (CM/M/W) minimum 6.00, Air delivery minimum 210 Cum/Min, 350 RPM (tolerance as per IS : 374-2019), THD less than 10%, remote or electronic regulator unit for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 degree C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC Supply, earthing etc. complete as required. | 3.00 | Each | 2824.55 | 8473.65 |
| 20 | S&F, Copper tube / reducer/ lug terminals suitable for following size of conductor. | | | | |
| a) | 6 /10/16 Sq.mm. | 62.00 | Nos. | 36.21 | 2245.16 |
| 21 | Dismantling and refixing of M.S./PVC box of up to 250 x 300 x100 on surface recessed as required. including painting with enamel paint as reqd | 3.00 | Nos. | 437.65 | 1312.95 |
| 22 | Fixing of RJ-45 modular box with cover plate or I/o box for internet on surface/ recessed cutting the wall making good the same as required. (box and cover plate will be supplied by dept.) | 1.00 | Nos. | 102.43 | 102.43 |
| 23 | Laying UTP cable enhanced cat 5/cat 6 cable in existing steel conduit pipe/GI pipe/ raceway / RCC pipe as reqd. the cost shall also include numbering of networking wire from room to rack as reqd. (wire will be supplied by dept) | 60.00 | Mtr | 23.80 | 1427.79 |
| 24 | Supplying and laying of one no. 2 x 16.0 sqmm PVC insulated, XLPE steel armoured aluminium conductor power cable of grade 1.1 kV as required complete in following manners. | | | | |
| a) | in open duct | 5.00 | Meter | 137.61 | 688.03 |
| b) | On Surface | 15.00 | Meter | 166.58 | 2498.64 |
| 25 | Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required. | | | | |

