

## SCHEDULE OF QUANTITY

**Name of Work: Renovation and modification of electrical work and other associated work in WL-310.**

| Name of the Contractor |   |        |       |                           |        |
|------------------------|---|--------|-------|---------------------------|--------|
| S. No                  | Description of Items  | Qty    | Unit  | Rate in Figures in Rupees | Amount |
| 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 |                           |        |
| 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                      | 3 x 1.5 sq. mm  | 125.00 | Metre |                           |        |
| b                      | 3 x 2.5 sq. mm  | 70.00  | Metre |                           |        |
| c                      | 3 x 4 sq. mm  | 500.00 | Metre |                           |        |
| d                      | 6 x 6 sq. mm  | 50.00  | Metre |                           |        |
| e                      | 6 x 10 sq.mm.   | 90.00  | Meter |                           |        |
| f                      | 6 x 16 sq.mm.   | 60.00  | Meter |                           |        |
| 3                      | Supply and drawing PVC insulated 3 core round copper conductor cable of following size for connection of equipments / exhaust fan & other work as reqd.   |        |       |                           |        |
| a                      | 1.50 sq. mm   | 30.00  | Meter |                           |        |
| b                      | 2.50 sq. mm   | 150.00 | Meter |                           |        |
| 4                      | Supplying and drawing following pair 0.5 mm dia FRLS PVC insulated annealed copper conductor, unarmored telephone cable in the existing surface/ recessed steel/ PVC conduit as required.   |        |       |                           |        |
| a                      | 2 Pair  | 100.00 | Metre |                           |        |

| S. No | Description of Items  | Qty    | Unit  | Rate in Figures in Rupees | Amount |
|-------|---|--------|-------|---------------------------|--------|
| 5     | Supply and fixing of 32 x 20 mm DLP mini-trunking white-system with independent cover etc. as required complete.    | 100.00 | Meter |                           |        |
| 6     | Supply and fixing of following accessories suitable for 32 mm x 20 mm size plastic trunking white system.           |        |       |                           |        |
| a     | End cap   | 5.00   | Nos.  |                           |        |
| b     | Internal / external angle   | 10.00  | Nos.  |                           |        |
| c     | Changeable flat angle   | 10.00  | Nos.  |                           |        |
| d     | Flat junction   | 10.00  | Nos.  |                           |        |
| 7     | Supply and fixing of 105 x 50 mm DLP trunking white-system but without cover and partion etc. as required complete. | 120.00 | Meter |                           |        |
| 8     | Supply and fixing of following accessories suitable for 105 mm x 50 mm size plastic trunking white system.          |        |       |                           |        |
| a     | 85 mm flexible cover  | 120.00 | Meter |                           |        |
| b     | End cap   | 6.00   | Nos.  |                           |        |
| c     | Internal angles- adjustable from 80°-100°   | 10.00  | Nos.  |                           |        |
| d     | External angles- adjustable from 60°-120°   | 10.00  | Nos.  |                           |        |
| e     | Flat junction   | 8.00   | Nos.  |                           |        |
| f     | Flat angles   | 9.00   | Nos.  |                           |        |
| g     | Separation partitions   | 90.00  | Meter |                           |        |
| h     | Joints for 85mm width cover   | 60.00  | Nos.  |                           |        |
| i     | Base joints   | 100.00 | Nos.  |                           |        |
| 9     | Supplying, fixing, painting of 15mm dia GI heavy class pipe down rod for ceiling fan etc as required complete.      | 5.00   | Meter |                           |        |
| 10    | S & F following size of steel flexible pipe alongwith the accessories on surface etc as required                    |        |       |                           |        |
| a     | 25 mm   | 12.00  | Meter |                           |        |

| S. No | Description of Items  | Qty   | Unit | Rate in Figures in Rupees | Amount |
|-------|---|-------|------|---------------------------|--------|
| 11    | Supplying and fixing 20 A, 240 V, SPN Industrial type socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 20 A "C" curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.  | 3.00  | No.  |                           |        |
| 12    | Supplying and fixing of following ways surface/recess mounting, vertical type, 415 V, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 A tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCBs (but without MCBs and incomer) as required . (Note : Vertical type MCB TPDB is normally used where 3 phase outlets are required.) |       |      |                           |        |
| a     | 8 way (4 + 24), Double door   | 1.00  | No.  |                           |        |
| b     | 12 way (4 + 36), Double door  | 1.00  | No.  |                           |        |
| 13    | Supplying and fixing connecting and commissioning following rating, Four pole, 35kA MCCB with microprocessor based LS-I release in the existing DB/ Box as required complete.   |       |      |                           |        |
| a     | 160 A   | 1.00  | Nos. |                           |        |
| 14    | 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   | 45.00 | No.  |                           |        |
| b     | Double pole 5 A to 32 A   | 1.00  | No.  |                           |        |
| c     | Triple pole 5 A to 32 A   | 2.00  | No.  |                           |        |
| d     | Triple pole and neutral 5 A to 32 A   | 3.00  | No.  |                           |        |
| e     | Single Pole (40A-63A)   | 3.00  | Nos. |                           |        |
| f     | Double Pole (40A-63A)   | 1.00  | Nos. |                           |        |
| g     | Triple pole (40A-63A)   | 8.00  | Nos. |                           |        |

| S. No | Description of Items  | Qty    | Unit | Rate in Figures in Rupees | Amount |
|-------|---|--------|------|---------------------------|--------|
| h     | Four Pole (40A-63A)   | 10.00  | Nos. |                           |        |
| 15    | Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required.  |        |      |                           |        |
| a     | 6 Module (200mmX75mm)   | 2.00   | No.  |                           |        |
| b     | 12 Module (200mmX150mm)   | 4.00   | No.  |                           |        |
| 16    | S & F metal enclosure suitable for DP/TPN MCB / DP ELCB on surface or recessed etc as reqd.   | 8.00   | Nos. |                           |        |
| 17    | Supply and fixing of following LED light fixture with Electronic driver, LED lamp, reflector, diffuser, MS body/housing holder etc. complete with all fixing accessories and lamp as required |        |      |                           |        |
| a     | 36 watt recess mounting LED light fixture 600 x 600 mm  | 15.00  | Nos. |                           |        |
| b     | 40 watt surface mounting LED light fixture 300 x 1200 mm  | 9.00   | Nos. |                           |        |
| 18    | 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  | 166.00 | No.  |                           |        |
| b     | 15/16 A switch  | 42.00  | No.  |                           |        |
| c     | 3 pin 5/6 A socket outlet   | 125.00 | No.  |                           |        |
| d     | 6 pin 15/16 A socket outlet   | 42.00  | No.  |                           |        |
| e     | Blanking Plate  | 10.00  | No.  |                           |        |
| 19    | Supplying, installation of Clip-on frame with finishing plate for 85mm cover for DLP plastic trunking 105mm x 50mm etc. as reqd.  |        |      |                           |        |
| a     | 2 module  | 2.00   | Nos. |                           |        |
| b     | 3 module  | 42.00  | Nos. |                           |        |
| c     | 6 module  | 10.00  | Nos. |                           |        |

| S. No | Description of Items  | Qty     | Unit  | Rate in Figures in Rupees | Amount |
|-------|---|---------|-------|---------------------------|--------|
| 20    | Supplying and fixing following Modular base & cover plate on existing modular metal boxes etc. as required.   |         |       |                           |        |
| a     | 1 or 2 Module   | 1.00    | No.   |                           |        |
| b     | 3 Module  | 1.00    | No.   |                           |        |
| c     | 6 Module  | 1.00    | No.   |                           |        |
| d     | 8 Module  | 40.00   | No.   |                           |        |
| e     | 12 Module   | 1.00    | No.   |                           |        |
| 21    | Supplying and fixing following size/ modules, plastic box for modular switches in recess etc as required.   |         |       |                           |        |
| a     | 1 or 2 Module   | 1.00    | Nos.  |                           |        |
| b     | 3 Module  | 1.00    | Nos.  |                           |        |
| c     | 6 Module  | 1.00    | Nos.  |                           |        |
| d     | 8 Module  | 40.00   | Nos.  |                           |        |
| e     | 12 Module   | 1.00    | Nos.  |                           |        |
| 22    | Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.  | 12.00   | No.   |                           |        |
| 23    | Supplying and fixing following modular switch/socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.   |         |       |                           |        |
| a     | RJ 11 Telephone socket  | 6.00    | Nos.  |                           |        |
| 24    | 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.)                                       | 77.00   | Nos.  |                           |        |
| 25    | 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) | 2500.00 | Meter |                           |        |
| 26    | S & F fan hook I/c cutting the slab and fixing with the reinforcement and making damage, painting etc as the same   | 2.00    | Nos.  |                           |        |

| S. No | Description of Items  | Qty   | Unit  | Rate in Figures in Rupees | Amount |
|-------|---|-------|-------|---------------------------|--------|
| 27    | Supply Installation, testing and commissioning of following ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable etc. as required.                             |       |       |                           |        |
| a     | 1200mm sweep.   | 2.00  | Nos.  |                           |        |
| 28    | S&F, Copper tube / reducer/ lug terminals suitable for following size of conductor.   |       |       |                           |        |
| a     | 6 /10/16 Sq.mm.   | 50.00 | Nos.  |                           |        |
| 29    | Supply fixing connecting & commissioning of following rating ISI marked 3 pin Plug top Anchor make as reqd complete.  |       |       |                           |        |
| a     | 5 Amp   | 1.00  | Nos.  |                           |        |
| b     | 15 Amp  | 12.00 | Nos.  |                           |        |
| 30    | S&F connecting and commissioning independent mounting of MCCB enclosure suitable for MCCB's upto 250A in surface/recess I/c cutting the wall and making good the same in case of recessed (Cat No CS-CNM0100021 C & S or approved equivalent make) as reqd. | 1.00  | Nos.  |                           |        |
| 31    | Making hole on wall for following size exhaust fan and finishing the same as required.  |       |       |                           |        |
| a     | 375 mm / 15" sweep  | 1.00  | Nos.  |                           |        |
| b     | 450 mm / 18" sweep  | 1.00  | Nos.  |                           |        |
| 32    | Supplying and fixing exhaust fan shutter for following sizes exhaust fan on rag bolts as reqd   |       |       |                           |        |
| a     | for 375 mm / 15" sweep  | 1.00  | Nos.  |                           |        |
| b     | for 450 mm / 18" sweep  | 1.00  | Nos.  |                           |        |
| 33    | Fixing 20/25/32 mm conduit pipe on surface with clamp/in recessed only conduit pipe supplied by department.(Free of cost)   | 40.00 | Meter |                           |        |
| 34    | Dismantling and refixing of switch / socket /regulator I/c cleaning, connecting, commissioning etc as reqd.   | 30.00 | Nos.  |                           |        |
| 35    | Dismantling, disconnecting old damaged unserviceable fl fitting/ exhaust fan/ ceiling fan/ bulkhead fitting with bracket etc. as reqd. and depositing in sectional store.   | 36.00 | Nos.  |                           |        |

| S. No | Description of Items   | Qty   | Unit  | Rate in Figures in Rupees | Amount |
|-------|--|-------|-------|---------------------------|--------|
| 36    | Dismantling the old conduit pipe/wood batten of all sizes from surface/recessed & making good the damages I/c filling the holes of the surface etc as reqd.and depositing it in sectional store.                 | 50.00 | Meter |                           |        |
| 37    | Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable etc. as required. | 12.00 | Each  |                           |        |
| 38    | Chemical Earthing with Copper bonded earth electrode 50mm dia x 3 mtr length including earth enhancing compound (Jam Fill quality product) and PIT cover for earthing pit etc as reqd.                           | 4.00  | No.   |                           |        |
| 39    | Providing and fixing 25 mm X 5 mm copper strip in 40 mm dia G.I. pipe from earth electrode including connection with brass nut, bolt, spring, washer excavation and re-filling etc. as required.                 | 20.00 | Metre |                           |        |
| 40    | Providing and fixing 25 mm X 5 mm copper strip on surface or in recess for connections etc. as required.   | 10.00 | Metre |                           |        |
|       | Total Rs.  |       |       |                           |        |