

| Schedule of Work   |  |     |       |            |             |         |
|--|--|-----|-------|------------|-------------|---------|
| Name of Work: Electrical Renovation Work for Room No. 22 situated in the Main Building of IACS |  |     |       |            |             |         |
| Item No.   | Description  | Qty | Unit  | Rate (Rs.) | Amount (Rs) | Remarks |
| 1  | Wiring for light point / fan point / exhaust fan point / call bell point with 1.5sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate , suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc. as required. |     |       |            |             |         |
|  | Group C (as per CPWD Categorisation)   | 7   | Point |            |             |         |
| 2  | Wiring for circuit/submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/recessed medium class PVC conduit as required.  |     |       |            |             |         |
| a)   | 2X1.5sq.mm+ 1X1.5sq.mm earth wire  | 80  | Metre |            |             |         |
| b)   | 2X4sq.mm +1X4sq.mm earth wire  | 140 | Metre |            |             |         |
| 3  | Supplying and fixing of following size/ modules, GI/PVC box along with modular base & cover plate for modular switches in recess etc. as required.   |     |       |            |             |         |
| a)   | 3 Module   | 6   | Nos   |            |             |         |
| b)   | 2 Module   | 2   | Nos   |            |             |         |
| 4  | Supplying and fixing of following modular switch/socket on the existing modular plate & switch box including connections but excluding plate etc. as required.   |     |       |            |             |         |
| a)   | 5/6 amp switch   | 6   | Nos.  |            |             |         |
| b)   | 3 pin 5/6 amp socket   | 6   | Nos.  |            |             |         |
| c)   | 6 pin 15/16A Socket  | 2   | Nos.  |            |             |         |
| 5  | Supplying and fixing of modular blanking plate on the existing modular plate & switch box but excluding modular plate etc. as required.  | 6   | Nos.  |            |             |         |
| 6  | Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in reces, including providing and fixing 5 pin 5/6 & 15/16 amps modular socket outlet and 6/16 amps modular switch, conection etc. as required.  | 4   | Nos.  |            |             |         |
| 7  | Supply & Fixing RJ11 Modular Type of Telephone Outlet in G.I. Box with cover, recessed in wall / Furniture.  | 1   | No.   |            |             |         |

| Item No. | Description   | Qty | Unit | Rate (Rs.) | Amount (Rs) | Remarks |
|----------|---|-----|------|------------|-------------|---------|
| 8        | Installation, testing and commissioning of pre-wired, fluorescent fitting / compact fluorescent fitting of all types, complete with all accessories and tube etc. directly on ceiling/wall, including connection with 1.5sq.mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required. | 4   | Nos. |            |             |         |
| 9 (a)    | Installation & connection of ceiling/wall mounting type fan complete with all accessories.  | 3   | Nos. |            |             |         |
| 9 (b)    | Supply & fixing of Stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required Regulator with box.  | 2   | Nos. |            |             |         |
| 10       | Supplying and fixing following rating 415 volts, "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)       | 63 A MCB, 4P  | 1   | No.  |            |             |         |
| b)       | 32 A MCB, TP  | 1   | No.  |            |             |         |
| 11       | Supplying and fixing 6-32 amps rating, 240/415 volts, "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   | 12  | No.  |            |             |         |
| 12       | Supplying and fixing following rating, four pole, 415 Volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.   |     |      |            |             |         |
| a)       | 100 amps  | 1   | No.  |            |             |         |
| b)       | 63 amps   | 1   | No.  |            |             |         |
| 13       | Supplying & Fixing 4-pole Sheet Steel enclosure on surface/recess along with 16/25/32amp 415V 'C' curve 4-pole MCB complete with connection, testing & Commissioning etc. as required   | 1   | No.  |            |             |         |

| Item No. | Description   | Qty | Unit | Rate (Rs.) | Amount (Rs) | Remarks |
|----------|---|-----|------|------------|-------------|---------|
| 14       | Distribution Board - (MDB & UPS DB): Supplying and fixing following way prewired vertical type TP&N MCB distribution board of steel sheet for 415Volts on surface/recess complete with loose wire box of sheet steel, dust protected, duly powder painted, inclusive of 200 amps tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCB's, terminal connectors for all incoming and outgoing circuits, duly prewired with adequate size of FRLS PVC insulated copper conductor upto the terminal connector/neutral link, earthing etc as required (But without MCB/RCCB/Isolator). |     |      |            |             |         |
|          | 4-way (8+12) Double Door  | 2   | Each |            |             |         |
| 15       | Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as required.   | 12  | Each |            |             |         |
| 16       | Supplying of following size XLPE insulated PVC sheathed armoured aluminium conductor cable of CCI/Gloster/Nicco/Havells/Polycab/Universal make at site at IACS, Jadavpur.   |     |      |            |             |         |
| (a)      | 3.5-core 35sq.mm  | 25  | Mtrs |            |             |         |
| (b)      | 4-core 16 sq.mm.  | 15  | Mtrs |            |             |         |
| (c)      | 4-core 10 sq.mm.  | 10  | Mtrs |            |             |         |
| 17       | Laying of following size XLPE insulated PVC sheathed armoured aluminium conductor cable on surface/recess with aluminium saddles along with all necessary hardwares etc. as required as per direction of the Engineer-in-charge.  |     |      |            |             |         |
| (a)      | 3.5-core 35sq.mm  | 25  | Mtrs |            |             |         |
| (b)      | 4-core 16 sq.mm.  | 15  | Mtrs |            |             |         |
| (c)      | 4-core 10 sq.mm.  | 10  | Mtrs |            |             |         |
| 18       | Providing End termination of the following XLPE insulated PVC sheathed armoured Al. conductor cable with heavy duty brass compression gland (Dowells or similar superior make approved by IACS) including crimping type copper sockets, PVC insulated tape etc. as required.  |     |      |            |             |         |
| (a)      | 3.5-core 35sq.mm  | 2   | Sets |            |             |         |
| (b)      | 4-core 16 sq.mm.  | 4   | Sets |            |             |         |
| (c)      | 4-core 10 sq.mm.  | 2   | Sets |            |             |         |
| 19       | Providing & Fixing 4mm dia copper wire on surface/recess for Loop earthing along with existing surface/recessed conduit/submain wiring/cable as required.   | 100 | Mtrs |            |             |         |

| Item No. | Description   | Qty | Unit | Rate (Rs.)                   | Amount (Rs) | Remarks |
|----------|---|-----|------|------------------------------|-------------|---------|
| 20       | Supply & fixing of Airconditioner controller on surface for obtaining sequential operation between 2nos. 1.5TR/2.0TR AC complete as required. | 1   | No.  |                              |             |         |
|          |   |     |      |                              |             |         |
| 21       | Supplying & Fixing of modular type 20Amp A.C. starter switch with GI Box complete recessed in wall.   | 2   | Nos. |                              |             |         |
|          |   |     |      |                              |             |         |
|          |   |     |      | Total                        |             |         |
|          |   |     |      | <b>Add contingencies @5%</b> |             |         |
|          |   |     |      | <b>Grand Total: Rs.</b>      |             |         |
|          |   |     |      | <b>Say, Rs.</b>              |             |         |