



PONDICHERRY UNIVERSITY
ELECTRICAL WING

V.MOUROUGAVELOU
ASSISTANT ENGINEER(E)

R.V. NAGAR, KALAPET.
PUDUCHERRY 14.

Ref: PU/ELW/Physics/2016-17/4019

Date:03/08/2016

To

Sir,

Sub: Providing Internal and External Electrification for newly constructed additional research laboratory for port glove box at department of Physics in Pondicherry University Campus - Reg.

Your quotation is hereby invited in sealed cover for "Providing Internal and External Electrification for newly constructed additional research laboratory for port glove box at department of Physics in Pondicherry University Campus" as mentioned in the schedule enclosed. The sealed quotations have to be placed in the Tender box kept in the Reception Counter at Administrative block on or before 10/08/2016 at 3.00pm and it will be opened on the same day at 3.30Pm.

o/c

Assistant Engineer(E)

Encl: As stated.

PONDICHERRY UNIVERSITY
ELECTRICAL WING

Schedule of Work

Name of Work: Providing Internal and External Electrification for newly constructed additional research laboratory to port glove box at department of Physics in Pondicherry University.

Item No.	Description of Item	Qty.	Unit	Rate	Amount
1.	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit, with modular switch, modular switch, modular plate, suitable GI box and earthing the point with 1.5sq mm FR PVC insulated copper conductor single core cable etc as required. (Group C) make: MK/Legrand.	18pt	point		
2.	Supplying and fixing following Modular PVC box and front cover plates in surface/recessed as required. Make: (MK/Legrand/Anchor) a. 6 modular b. 9 modular	10nos. 10nos.	Each Each		
3.	Supplying and fixing following modular switch/socket on the existing modular plate & switch box/ including connections but excluding modular plate etc. as required. Make: (MK/Legrand/ Anchor) a. 5/6 amps modular switch. b. 5/6 amps 3 pin modular socket. c. 15/16 amps modular switch. d. 15/16 amps 6 pin modular socket.	10nos 10nos 20nos 20nos	Each Each Each Each		
4.	Supplying and fixing stepped type electronic fan regulator on the existing modular plate switch box including connectons but excluding modular plate etc. as required.	2nos.	Each		

Item No.	Description of Item	Qty.	Unit	Rate	Amount
5.	Supplying and fixing of following sizes of PVC conduit along with accessories in surface/recess conduit including cutting the wall and making good the same in case of recessed conduit as reqd. a. 20 mm b. 25 mm	50mtr 100mtr	mtr mtr		
6.	Providing and fixing on surface of the following size cable management system plastic trunking and flexible cover as required. Make: (Legrand/MK) Plastic Trunking 50mm x 50mm.	30mtr	mtr		
7.	Supplying and fixing following accessories suitable for 50mm x 50mm cable management system. a. End caps b. Cable Clips	4nos. 50nos.	Each Each		
8.	Supplying and drawing following sizes of FR PVC insulated copper conductor, single core cable in the existing surface/recessed steel/ PVC conduit as required. Make : (Polycab, RR kable, Anchor and Finolex) a. 3 x 1.5 sq mm b. 3 x 2.5 sq mm c. 3 x 4 sq mm d. 6 x 4 sq mm	40mtr 60mtr 80mtr 40mtr	Mtr Mtr Mtr Mtr		
9.	Supplying, installation, testing and commissioning of surface/ recess mounting, 8 way Double Door vertical type, 415 volts, TPN MCB distribution board of sheet steel, dust protected, duly phosphatized and powder painted, inclusive of 200 amps tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCB's, detachable gland/ knock out plate, (but without incomer and MCB's) including dismantling the old DB. as required Make:(Legrand/Hager). MDS cat no.6077 51.	1nos.	Each		

Item No.	Description of Item	Qty.	Unit	Rate	Amount
10.	Supplying and fixing 4 way prewired sheet steel, MCB enclosure box on surface/recess, detachable gland plate, powder painted, including earthing etc as required.	4nos.	Each		
11.	Supplying and fixing 20amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top along with 20 amps 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. (Legrand /Hager) (MDS Cat no. 6078 41).	4nos.	Each		
12.	Supplying and fixing following rating, 'C' series, miniature circuit breaker suitable for lighting and other loads in the existing MCB DB complete with connections, testing and commissioning etc. as reqd. (Legrand/Hager). a. 40A to 63A 3pole MCB. b. 40A to 63A 4 pole MCB. c. 6 amp to 32 amp single pole MCB. d. Single pole blanking plate.	3nos. 2nos. 15nos. 10nos.	Each Each Each Each		
13.	Supply, Installation, testing and commissioning of 1200mm sweep ceiling fan, including wiring the down rod with 1.5 sq PVC insulated, copper conductor FRLS single core cable etc. as reqd.(Crompton /USHA Wind, Zipp, Ace star)	2nos.	Each		
14.	Supplying, Installation, Testing and commissioning of following prewired fluorescent fitting with all accessories and tube etc. directly on ceiling wall, including connection with 1.5sq mm PVC insulated copper conductor FRLS single core cable etc as required. Make: Crompton Greaves CRFG14236EB Philips: TCS 350 2xTL-D36W C5.	4nos.	Each		

Item No.	Description of Item	Qty.	Unit	Rate	Amount
15.	Earthing with G.I. earth pipe 4.5 mtr long, 40 mm dia (medium class) including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal and salt as required.	2nos.	set		
16.	Providing and fixing 25mm x 6 mm copper strip on surface or in recess for connections etc. as required.	10mtr	mtr		
17.	Providing and fixing 25mm x 6mm copper strip in 40mm dia G.I pipe from earth electrode including connection with brass nut, bolt, spring, washer excavation and re-filling etc. as required.	6mtr	mtr		
18.	Providing and fixing 8 SWG dia copper wire on surface or in recess for loop earthing as required.	20mtr	mtr		
19.	Supplying of one number PVC insulated and PVC sheathed armoured aluminium conductor power cable 1.1KV grade of size 4 x 25 sq mm as required.	90mtr	mtr		
20.	Laying of one number PVC insulated and PVC sheathed / XLPE power cable 1.1 KV grade of following size direct in ground i/c excavation, sand cushioning, protective covering and refilling the trench etc as reqd. Upto 35sqmm.	20mtr	mtr		
21.	Laying and fixing of one number PVC insulated and PVC sheathed/XLPE power cable of 1.1KV grade of following size on wall surface as required. Upto 35Sq.mm (clamped with 1mm thick saddle)	70mtr	mtr		
22.	Supplying and making end termination with brass compression gland and aluminum lugs for following size of PVC insulated and PVC sheathed/XLPE alu conductor cable of 1.1kv grade as required. a. 4 x 25 sq mm	2nos.	Each		
				Total	

Terms & Conditions:

1. The work shall be carried out strictly in accordance with CPWD General Specifications for the Electrical works as amended up to date.
2. Prior approval of the Engineer in charge is required for all the materials to be used on works. Non- standard quality materials shall not be acceptable.
3. Bad workmanship shall not be accepted. Such work is liable for rejection and shall be rectified by the contractor at his own risk and cost.
4. Your quotation shall be accompanied with tender document Rs.520/- and EMD for an amount of Rs.3,500/- in the form of a DD drawn infavour of "Finance officer, Pondicherry University" payable at Pondicherry.
5. Payment will be arranged after satisfactory completion of the work.
6. Amount will be arrived on the actual works done basis.
7. The work should be carried out immediately on receipts of this work order.
8. The rate for each item of work to be quoted in the enclosed schedule of work format only otherwise, the quotation in any other format is considered as invalid quotation.
9. The work should be completed within one month from the date of issue of the work order.

Name and signature of the Firm/Agency
/Contractor with Seal.


ASSISTANT ENGINEER(E)

