



INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, PUNE
MAIN BUILDING, GR FLOOR, DR. HOMI BHABA ROAD, PUNE-411 008.
PH No 020 2590 8462 FAX 020 2588 7499 / 2589 8022
ASSISTANT ENGINEER (ELECTRICAL)

1/9

No: 56(2) /AEE/IISER/Pune/2017 /334

Dated : 2017/10/06

NOTICE INVITING QUOTATION

Sealed quotations are hereby invited by the undersigned on behalf of the Director, IISER Pune for the work mentioned below up to 3 PM on 2017/10/13 from License Electrical contractor with appropriate class for the work mentioned below. The quotations will be opened at 3.30 PM on the same day.

Name of work : Providing Electrical Power Points for H cross, G1 and Computer Lab (ECS) entry block 3rd floor in IISER Pune Campus.

Issue to –

Address of the Agency –

2017/10/06

Assistant Engineer(Electrical)

Indian Institute of Science Education And Research, Pune
Main Building, A block, Gr floor, Dr. Homi Bhaba Road, Pune 8

Terms and Conditions:

- 1) No advance payment shall be made by IISER Pune.
- 2) Time period for completion of work shall be Two week from the date of placing the confirm order by IISER Pune.
- 3) Quotation can be obtained from this office between 10 AM to 4 PM on all working days. W.E.F. 201/10/06.
- 4) All agencies need to submit their quotation in hard copy in sealed cover to this office by suitable means before 3 PM on 201/10/13. Quotation received after the date & time specified above shall not be acceptable.
- 5) Each and every page of quotation should be stamped and signed by the authorized person of agency.
- 6) Agency should submit photocopy of valid 'License of Electrical contractor' for given makes of items.
- 7) Quotations will be opened on the same day at 3.30 PM in the presence of bidder or their authorized representatives, if any. The offer of the firm should be commercially clear including acceptance of all terms and conditions of this tender by the firm. IISER reserves the right to accept or reject all the quotations without assigning any reasons.

- 8) Quotations should be submitted without any conditions. Conditional quotations shall be summarily being rejected.
- 9) The quotation shall be inclusive of all taxes, duties, LBTs etc.
- 10) TDS and other taxes will be deducted from the bill as applicable for the work.
- 11) The work shall be carried out as per manufactures specifications as mentioned.
- 12) No extra charges will be paid for transportation and replacing of material and labour. No deviation will be accepted in specification which is mentioned in BOQ.



Assistant Engineer(Electrical)

Indian Institute of Science Education And Research, Pune
Main Building, Gr floor, Dr. Homi Bhaba Road, Pune 8

Sign & Stamp of Agency -

Encl : (1) Schedule of quantity.
(2) Make List

Name Of Work:-Providing electrical power points for H cross , G1 and Computer Lab(ECS) at IISER Pune Campus.

Sr.No	Description	Qty (A)	Unit	Rate		Amount AXB
				In Fig	In Words (B)	
1	WIRING Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.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.					
1.1	Group C	9	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					
2.1	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	50	Mtr			
2.2	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	210	Mtr			
3	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in existing surface/ recessed medium class PVC conduit as required					
3.1	4 X 4 sq. mm + 1 X 4 sq. mm earth wire	120	Mtr			

4	Supply & installation of surface mounted DLP U- PVC adaptable trunking raceways, fabricated out of U-PVC to Off-White or approved shade as per IS 733 of thickness 2.0mm for the base and sides with removable covers, complete with necessary bends, suitable sized junction boxes and tees etc, Complete. (For every 1m distance cable tag has to be provided for each circuit in the raceways - as more than 1C FRLS copper wire is required for 1 Circuit) PVC RACEWAYS (Along the wall), DLP U- PVC adaptable trunking . Size: 105x 50mm PVC Raceways for Power & Data with above specifications	50	Mtr			
5	Supplying and fixing following 2 modules, modular base and cover plate with required accessories like PVC box & PVC trunking plates etc for modular switches in recess / on UPVC trunking etc, as required. for modular switches in recess / on UPVC trunking etc, as required. (The job includes cutting & chasing existing wall, fixing the box in position as required including rough plastering.) (In all the rooms, vertical drops of conduits and switch boxes shall be concealed in the wall). Boxes should be of same make as that of modular accessories.	40	Each			
6	Supplying and fixing following 4 modules, modular base and cover plate with required accessories like PVC box & PVC trunking plates etc for modular switches in recess / on UPVC trunking etc, as required. for modular switches in recess / on UPVC trunking etc, as required. (The job includes cutting & chasing existing wall, fixing the box in position as required including rough plastering.) (In all the rooms, vertical drops of conduits and switch boxes shall be concealed in the wall). Boxes should be of same make as that of modular accessories.	6	Each			

7	Supplying and fixing following 8 modules, modular base and cover plate with required accessories like PVC box & PVC trunking plates etc for modular switches in recess / on UPVC trunking etc, as required. (The job includes cutting & chasing existing wall, fixing the box in position as required including rough plastering.) (In all the rooms, vertical drops of conduits and switch boxes shall be concealed in the wall). Boxes should be of same make as that of modular accessories.	45	Each			
8	16 Amp SWITCH : Supplying and fixing following Modular switch / socket on the existing raceways including connections and accessories, as required. (All switches and Sockets shall be spark proof type) 15/16amp switch (POWER SWITCHES / SOCKETS on Raceways)	106	Each			
9	16 AMP SOCKET: Supplying and fixing following Modular switch / socket on the existing raceways including connections and accessories, as required. (All switches and Sockets shall be spark proof type) 6 Pin 15/16 amp socket outlet (POWER SWITCHES / SOCKETS on Raceways)	106	Each			
	MCCB, MCB & DB'S					
10	Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 volts, IP 65, TPN MCB distribution board 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 (but without MCB's and incomer) as required . (Note : Vertical type MCB TPDB is normally used where 3 phase outlets are required.)					
10.1	4 way (4 + 12), Double door	1	Each			
10.2	8 way (4 + 24), Double door	1	Each			

11	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, 10KA, "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.					
11.1	Triple pole	6	Each			
11.2	Single pole	12	Each			
12	Supplying and fixing 63 amps rating, 240/415 volts, 10 KA, "C" curve, 3P/4P miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.	2	Each			
	MV CABLE LAYING					
13	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on cable tray as required.					
13.1	Upto 35 sq. mm (clamped with 1mm thick saddle)	100	Mtr			
	MV CABLE JOINTING & END TERMINATION					
14	Supplying and making end termination with brass compression gland and copper lugs for following size of PVC insulated and PVC sheathed / XLPE Copper conductor cable of 1.1 KV grade as required.					
14.1	4 X 10 sq. mm (25mm)	2	Each			
15	SUPPLY of one number PVC insulated and PVC sheathed / XLPE 1.1 KV grade of following size copper power cable with all necessary test certificates.					

15.1	4x 10 sq. mm	130	Mtr			
16	Supply and making end termination for UTP 4 pair CAT 6 LAN cable with required IO modules which is suitable for modular type base , cover plates and accessories (At field side) as required.	40	Each			
17	Supply and Laying and fixing of one number PVC insulated and PVC sheathed UTP 4 pair CAT 6 LAN cable on wall surface / open tray / existing open duct with required clamps & accessories as required.	1000	Mtr			
18	Supply and installation of 48 port fully loaded patch panel with IO modules suitable for UTP CAT 6 cable and required mounting accessories for existing network rack.	1	Each			
19	Supply of Patch cords of UTP CAT 6 with RJ 45 port at both ends, having 1 M length.	80	Each			
20	Supply and Laying of 6 core multi mode OFC cable on wall surface/ open try/ ground etc with required clamps etc with direction of engineer in charge.	120	Mtr			
21	Supply and Fixing of 6 Core LIU mm loaded box	2	Each			
22	Supply and Fixing Spicing for 6 core OFC cable	12	Each			
23	Supply and Fixing of OFC Patch cord 3 Mtr length SC to LC	2	Each			

24	Wall Mount Side Integrated - 12U - 600W - 500D - Fan Provision - Pastal Fine Tex.Assembly, Metal Cable Manager - 01U - Plastic Cable Loop's Mountable - Duscky Fine Tex. - Assembly with Power strip 06/13 Amp - 06 Socket with 2mtr cable, with lockable glass door, cable entries top & bottom	1	Each			
25	Supply and fixing of 25 mm PVC casing n caping on surface like wall / partition / ceiling with required accessories like bends etc for existing data and power cable. (The job includes cutting & chasing existing wall, fixing the item in position as required including rough plastering.)	25	Mtr			
26	Supply and Fixing following size of medium class PVC conduit with all necessary accessories in surface/recess including cutting the wall and making good the same in case of recesses conduit as required.					
26.1	25 MM	50	Mtr			
27	Supply and Fixing of 25 MM PVC flexible pipe with all necessary accessories.	25	Mtr			
28	Supply, delivery, installation & testing of following 300 mm swe	8	Each			
	Total					
	Total in words :					

Electrical Lience No:

Electrical Lience Valide upto :

Sign and Stamp of Agency

APPROVED MAKE OF MATERIALS(Electrical)

IISER PUNE

S.No.	Material	Make
1	Instrument Transformers Indicating Meters	Kappa/Kalpa/Voltamp
2	Analog	Meco/Rishab/AE
3	Digital	Meco/AE/ Socomec/Conzerv/SECURE
4	Indicating Lamps	GE/SCHNEIDER/ Teknic/L&T/ALTOS, (MULTIPLE LEDs)
5	PLC / Digital Load Monitor / Power monitor	Electrex/Allen Bradley/GE/Schneider/Conzerv
6	Panel Accessories / Terminal block	Dirak/Elmax/phoenix/Wago
7	Timers	L & T/Minilec/ Seimens/ GE/ Schneider
8	TVSS	ASCO /Schneider/ABB
9	Cable Terminating Kits	Raychem Heat Shrinkable/3M/CCI
10	Earthing	Erico/Nimbus/Ashlok
11	MV Switch Boards (LT panels)	Accusonic /Load Controls /Elins / Lotus Switchgear / Pace Switch gears/ Suva rna Electricals
12	Moulded Case Circuit Breaker	GE (Spectra / Record)/Schneider (COMPACT)/ L & T (O SINE)/ABB/MDS Legrand
13	MCB Distribution Board	Legrand/Schneider /Siemens
14	Miniature Circuit Breaker	MK/Legrand /Siemens/Schneider
15	ELCB / RCBO	MK/Legrand /Siemens/Schneider
16	Earth Leakage Relay	MK/Legrand /Siemens/Schneider
17	LT Cables (XLPE)	Polycab/Finolex/CCI
18	PVC Insulated copper wire FRLS	Polycab/Finolex/CCI
19	Cable Glands	Dowells/SMI/CCI/Electrowerke
20	PVC Rigid conduits	Precision/DIAMOND/Finolex/Polycab
21	M S Conduits	BEC/BI,
22	Switches, Sockets, Plug etc	Legrand Mosaic/MK/Schneider/ Anchor(Ave)
23	Ceiling rose / HOLDERS	Legrand Mosaic/MK/Schneider/ Anchor(Ave)
24	Light fitting, Flourscent CFL/GLs	Philips / Wipro/ GE
25	LED Light fitting	Wipro/Asian/Siska /Philips
26	Ceiling Fan	Crompton greaves (high breeze)/ Bajaj Super Model /Usha
27	Exhaust Fans	Alsthom/Almonard/Usha/CGL
28	Telephone Cables	Delton/Finolex/ Polycab
29	Telephone Sockets	Anchor /MK (Suitable to mount on Legrand DLP trunking) /
30	Terminal Junction boxes	Elmex
31	Power Socket Industrial type	Legrand Mosaic/Mk/Schneider,
32	TV Outlet	Anchor/Legrand/MK
33	Cable trays	Storrax/ Skaber/Profab
34	Metallic raceways	Storrax/ Skaber/Profab
35	PVC raceways / PVC DLP trunking	LEGRAND/ MK/Schneider
36	Aluminium raceways	LEGRAND/ MK/Schneider
37	Surface / Recess mounted FTL fixtures	Philips/Wipro/GE
38	Recess mounted down lighter	Philips/Wipro/GE
39	Wall mounted luminaire	Philips/Wipro/GE
40	Data Cable - CAT-6	D-Link/Legrand/Polycab
41	External light fittings/ Garden Light fittings	Philips/Wipro /GE/Philips
42	Base plates and face plates	Legrand Mosaic/ MK/Schneider/Anchor
43	Full loaded patch panels	D link or RR
44	Data patch cords	D link or RR
45	Fire Alarm Control Panel	Notifier / Edward / Bosch / Cooper/ Siemens
46	Repeater Panel	Notifier / Edward / Bosch / Cooper/ Siemens
47	Addressable Smoke Detector	Notifier / Edward / Bosch / Cooper/ Siemens
48	Addressable Multi Sensor Detector	Notifier / Edward / Bosch / Cooper/ Siemens
49	Addressable Heat Detector	Notifier / Edward / Bosch / Cooper/ Siemens
50	Addressable Strobe Cum Sounder	Notifier / Edward / Bosch / Cooper/ Siemens
51	Addressable Sounder / Hooter	Notifier / Edward / Bosch / Cooper/ Siemens
52	Addressable Manual Call point	Notifier / Edward / Bosch / Cooper/ Siemens
53	Addressable Monitor Module	Notifier / Edward / Bosch / Cooper/ Siemens
54	Addressable Control Module	Notifier / Edward / Bosch / Cooper/ Siemens
55	FRLS Armoured Cable	Finolex/Polycab /Lapp
56	Other Items	Approval of Enginer Incharge.

D. N. Ashok