



INDIAN INSTITUTE OF SCIENCE EDUCATION AND
RESEARCH PUNE

Main Building, Gr floor, Dr. Homi Bhaba Road, Pune-411 008.
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No: 23(1)/SE /IISER/Pune/2018/ 52

Dated 6/04/2018

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 16/04/2018 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 Dr. Mustafa Lab. 302 in main building 2nd floor chemistry wing at IISER Pune.

Issue to –

Address of the Agency –

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) The applicant should be registered with CPWD in western region, Maharashtra State PWD, MES, Railways in appropriate category for Civil/~~elect~~ (B & C) works. The registration certificate should be valid till the last date of receipt of tender. Applicant should submit attested or notarized copies of the valid registration certificate along with quotation.
- 2) Time period for completion of work shall be 1 month from the date of placing the work order by IISER Pune. The act of backing-out after quotation will debar such agencies for participating in future quotations of IISER PUNE. Bidder may e-mail queries on maintenance@iiserpune.ac.in

or submit to IISER PUNE office in hard copy on all working days before a day of submission date of quotation.

- 3) Quotation can be obtained from 06.04.2018 at IISER PUNE Engineering office at Main Building between 10 AM to 4 PM on all working days before date of submission. Applicant may quote by downloading quotation document from IISER PUNE website.
- 4) All agencies need to submit their quotation in hard copy in a sealed envelope to this office by suitable means on and before 3 PM on 28/03/2018. Quotation received after the date & time specified above shall not be accepted. Any delays, postal delay etc. will not be entertained. Agency should quote for all the items in the in the BOQ. The bid shall be submitted in the original bid document (as issued by the IISER, Pune) super scribing the name of work. Rates quoted in the words shall be treated as final for deciding L1 bidder.
- 5) Quotations will be opened on the same day at 3.30 PM in the presence of agency or their authorized representatives, if any. The offer of the agency should be commercially clear including acceptance of all terms and conditions of this Quotation by the agency. IISER Pune reserves the right to accept or reject the quotation/s without assigning any reasons.
- 6) Quotations submitted with any conditions shall be treated as 'Conditional Quotation' and shall be summarily be rejected by IISER PUNE.
- 7) Quoted rates should be inclusive of cost of all the materials, labour cost , GST , all taxes, octroi , duties , cost of sample and fees towards testing of materials in labs ,royalties etc. complete. Nothing extra shall be paid separately.
- 8) Each and every page of quotation should be stamped and signed by the authorized person of agency.
- 9) The work shall be carried out as per manufactures specifications, IE norms, as mentioned.
- 10) All approved makes shall be as specified in BOQ and as per CPWD specifications; agency should put-up technical data and obtain prior approval on makes of various materials of IISER PUNE before taking-up work. The successful agency shall make their own arrangement for all Tools & tackles for work etc complete in view of completion of work. Electricity shall be provided free of cost to agency at one source, agency should make own arrangement to safely tap of power from source to work location. No advance payment shall be made by IISER Pune. Quoted rates should be including GST, TDS and other applicable taxes and cess will be deducted from the bills of the work as applicable.
- 11) Specification for the work to be carried out as per BOQ, latest CPWD specification, IS specifications & as per instruction of IISER PUNE whenever specification CPWD/ IS specification are not available.
- 12) The contractor shall ensure that minimum wages should be paid to the labours and employees in accordance with labour laws.
- 13) L1 Agency to submit actual measurements and abstract sheet to IISER PUNE within 30 days from completion of work.

- 14) The work shall be carried out as per manufactures specifications, IE norms, as mentioned.
- 15) 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, A block, Gr floor, Dr. Homi
Bhaba Road, Pune 8

Sign & Stamp of Agency -

Encl : Schedule of quantity – As per ‘Annexure A/mcb&exhfan /2018’

APPROVED MAKE OF MATERIALS(Electrical)

IISER PUNE

S.No.	Material	Make
1	Instrument Transformers Indicating Meters	Kappa/Kalpa/Voltamp
2	Analog	Meco/Rishab/AE/HPL
3	Digital	Meco/AE/ Socomec/Conzerv/SECURE/HPL
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 Legrand
13	MCB Distribution Board & MCB	Legrand/Schneider /Seimens
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	ACCL	Electron / havells / L&T
57	Other Items	Approval of Engineer Incharge.



Name Of Work:-Providing electrical power points for Dr. Mustafa lab. 302 in main building 2nd floor Chemistry wing at IISER Pune Campus.

Sr.No	Description	Qty	Unit	Rate in words & figure	Amount in words & figure
	WIRING				
1	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				
1.1	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	50	Mtr		
1.2	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	200	Mtr		
3	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 that 1C FRLS copper wire is required for 1 Circuit) PVC RACEWAYS (Along the wall), DLP U- PVC adaptable trunking . Size: 150x 50mm PVC Raceways for Power & Data with above specifications	30	Mtr		
4	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.	20	Each		

5	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.	10	Each		
6	Removing and re-fixing of following 4 modules, Modular base and cover plate with required accessories like PVC surface box & PVC plates etc for modular switches in recess , 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.	50	Each		
7	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)	10	Each		
8	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)	10	Each		

	MCCB, MCB & DB'S				
9	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.)				
9.1	4 way (4 + 24), Double door	1	Each		
10	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.				
10.1	Single pole	12	Each		
11	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		
12	Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 20 amps "C" curve, DP, 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.	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 try as required.				
13.1	Upto 35 sq. mm (clamped with 1mm thick saddle)	40	Mtr		

	1V 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	40	Mtr			
16	Supply and fixing of 25 mm PVC casing n capping 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.)	25.00	Mtr			
17	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.					
17.1	25 MM	30	Mtr			
18	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.	250	Mtr			
19	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.	10	Each			
	Total					

