



भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान, पुणे
INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH PUNE

(An Autonomous Institution, Ministry of Human Resource Development, Govt. of India)

IISER Pune Campus, Dr. Homi Bhaba Road, Pune-411 008.

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No: 54(2) /IISER/Pune/2018-19/172

Dated 02 /11 / 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 **3.00 PM on 22/11/2018** from approved and eligible contractors registered with CPWD, Maharashtra State PWD, Railways, MES in appropriate category for electrical/ (B&C) works 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 optics lab in Main Building Physics First floor, at IISER Pune Campus

Issue to –Name and address of the agency –


Executive Engineer,
IISER Pune

Terms and Conditions:

- 1) The applicant should be registered with CPWD in western region, Maharashtra State PWD, MES, Railways in appropriate category for electrical / (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 21 (Twenty one) days 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 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 22/11/2018**. 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 (22/11/2018) 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) All approved makes shall be as per list attached with this and as per CPWD and manufactures 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 his 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.

- 9) Specification for the work to be carried out as per BOQ, latest CPWD specification, IS specifications, manufactured specification & as per instruction of IISER PUNE whenever specification CPWD/ IS specification are not available.
- 10) The contractor shall ensure that minimum wages should be paid to the labours and employees in accordance with labour laws.
- 11) L1 Agency to submit actual measurements and abstract sheet to IISER PUNE within 30 days from completion of work.



A. Kulkarni

**Executive Engineer,
IISER Pune**

Encl: - 1. Schedule of Quantity (BOQ) – As per Annexure A
2. Approved Make list for electrical

Sign & stamp of Agency-

Scheduled Of Quantity

Name Of Work:- Providing electrical power points for Optics lab. in main building physics first floor at IISER Pune Campus.

Sr. No	Description	Qty	Unit	Rate	Amount
	WIRING				
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 existing surface / recessed medium class PVC conduit, with modular switch , modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FR PVC insulated copper conductor single core cable etc as required.				
1.1	Group C	8	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 4 sq. mm + 1 X 4 sq. mm earth wire	100	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: 105x 50mm PVC Raceways for Power & Data with above specifications	45	Mtr		
4	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.	55	Each		



5	Supplying and fixing following 2 modules, modular base and cover plate with required accessories like PVC box & PVC trunking plates, dummy plates etc for modular switches in recess / on UPVC trunking etc, as required. for modular IO point (DATA Point) in recess / on UPVC trunking etc, as required.	5	Each		
6	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)	55	Each		
7	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)	55	Each		
	MCCB, MCB & DB'S				
8	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.)				
8.1	8 way (4 + 24), Double door	1	Each		
9	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.				
9.1	Single pole	18	Each		
9.2	Triple pole	2	Each		



10	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.	1	Each	
	MV CABLE LAYING			
11	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.			
11.1	Upto 35 sq. mm (clamped with 1mm thick saddle)	30	Mtr	
	MV CABLE JOINTING & END TERMINATION			
12	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.			
12.1	4 X 16 sq. mm (28mm)	2	Each	
13	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.			
13.1	4 x16 sqmm	30	Mtr	
14	Providing and fixing 4.00 mm dia copper wire on surface or in recess for loop earthing as required.	30	Mtr	
15	Supply and laying 70 sqmm copper flexible cable including connection/terminating with Lugs, nut,bolt,spring,washer, etc. as required.	50	Mtr	
16	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.	150	Mtr	
17	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.	5	Nos	



18	Supply and making end termination for UTP 4 pair CAT 6 LAN cable on existing fully loaded patch panel with IO modules which is suitable for network rack mounting as required.	5	Nos		
19	Supply and fixing of recess/ceiling mounted 20 watt LED 4 feet luminaire complete with lamp and all accessories. Including the cost of all materials, labour, HOM of equivalent and machineries all lead lift, loading and unloading, transportation, if any other incidental charges at all level complete all as per specification & as directed by Engineer in charge. Make -Philips, Wipro, Hawells or equivalent.	8	Nos.		
20	Supply and Laying 3 C x 4 sqmm cu flexible cable in existing Pipe/conduit	30	Mtr		
21	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.	30	Mtr		
22	Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	1	Set		
	Total				
	Sign and Stamp of agency				Executive Engineer IISER Pune



APPROVED MAKELIST FOR 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/ Teknik/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/ Siemens/ 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/ Suvarna 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	EICB / 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	Alstom/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/MIK
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



	Full loaded patch panels	D link or RR
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 Engineer In charge.
57	Isolation Transformer	Numeric Digital system (Novature)/ Neelkanth power solution/Ador powertrans



Neelkanth

Executive Engineer

IISER Pune