



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/20-21/ 119

Dated 16/ 11 / 2020

**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 23/11/2020** from approved and eligible contractors registered with CPWD, Maharashtra State PWD, Railways, MES in appropriate category for electrical/Composite/(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 UPS power distribution for XRF instruments at Mendeleev annex ECS lab , IISER Pune**

Issue to –

Name and address of the agency –



  
**Executive Engineer,**  
**IISER Pune**

**Terms and Conditions:**

- 1) The applicant should be registered (**ANY ONE**) with CPWD in western region, Maharashtra State PWD, MES, Railways in appropriate category for electrical / composite /(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 **15 (fifteen)** 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](mailto: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 23/11/2020**. 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 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.



  
Executive Engineer,  
IISER Pune

- Encl: - 1. Schedule of Quantity  
2. Approved Make list for electrical

Sign & stamp of Agency-

**APPROVED MAKELIST FOR ELECTRICAL**

S.No.	Brief Description of Equipment / Material	Makes
1	L.V. Power & Control Cables	Polycab / Finolex / RPG / KEI
2	L.V. Circuit Breaker / MCCBs	Schneider/L&T/ABB/Siemens/ GE (Spectra / Record)/Schneider (COMPACT)/ L & T (O SINE)/ABB/MDS / Legrand
3	Instrument transformer / L.V. CTs / PTs - Resin cast	Kappa/Kalpa/Voltamp
4	Indicating Meters Analog	Meco/Rishab/AE/HPL/L&T/ABB/Schneider
5	Indicating Meters Digital	Meco/AE/ Socomec/Conzerv/SECURE/HPL/Legrand/L&T/ABB/Schneider
6	Panel Meters	Meco/AE/ Socomec/Conzerv/SECURE/HPL/Legrand/L&T/ABB/Schneider
7	Terminal Junction boxes / blocks / connectors	Elmex / Connectwel
8	Cable Lugs	Jhonson / Dowel
9	Cable glands	Dowells/Braso/ Hansal /Comet /Polycab/PEW
10	MCB Distribution Board	Legrand/Schneider /Siemens/ Havells/L&T
11	Miniature Circuit Breaker	Legrand/Schneider /Siemens/ Havells/L&T
12	ELCB / RCBO / RCCB	Legrand/Schneider /Siemens/ Havells/L&T
13	Earth Leakage Relay	MK/Legrand /Siemens/Schneider/L&T
14	Industrial plug & Industrial socket	Legrand /MK/Schneider/Havells/L&T
15	Modular Switches, Sockets, Plug etc	MK Honeywell Evo / Legrand Arteor / Legrand Myrius
16	Modular Switches, plates etc and accessories	MK Honeywell Evo / Legrand Arteor / Legrand Myrius
17	LED Indicating Lamp	GE/SCHNEIDER/ Teknik/L&T/ALTOS, (MULTIPLE LEDs)
18	PLC / Digital Load Monitor / Power monitor	Electrex/Allen Bradley/GE/Schneider/Conzerv
19	Digital Timers ( On - OFF delay / day time / Astrological )	L & T/Minilec/ Siemens/ GE/ Schneider
20	TVSS	Emerson / ASCO /Schneider/ABB
21	LT cable jointing kit	Raychem / 3M/CCI



22	HT cable jointing kit	Raychem / 3M/CCI
23	HT cable termination kit	Raychem / 3M/CCI
24	Chemical Earthing	Erico/Nimbus/Ashlok
25	Cable trays	Storrax/ Skaber/Profab
26	Metallic raceways	Storrax/ Skaber/Profab
27	MV Switch Boards (LT panels)	Accusonic /Load Controls /Elins / Lotus Switchgear /Pace Switch gears/ Suvarna Electricals
28	PVC Insulated copper wire FRLS	Polycab/Finolex/RR/RPG
29	PVC Rigid conduits	Precision/DIAMOND/Modi
30	Surge protective device in MCB DBs	Legrand/Schneider /Siemens/ Havells/L&T
31	Ceiling fan/ wall mounted fan / Pedestal fan	Crompton / Havells / Bajaj / Usha / Phillips
32	Exhaust fan	Crompton / Havells / Bajaj / Usha / Almonard/ Alstom
33	Panel Accessories / Terminal block	Dirak/Elmax/phoenix/Wago
34	M S Conduits	BEC/BI,
35	Ceiling rose / HOLDERS	Vinay / Anchor / Havells
36	PVC raceways / PVC DLP trucking	LEGRAND/Honeywell MK
37	Aluminium raceways	LEGRAND/ MK/Schneider
38	Light fitting, Flourscent CFL/GLs , ( Indoor & outdoor type )	Philips / Wipro/ GE
39	LED Light fitting ( Indoor and outdoor type )	Wipro/Asian/Syska /Philips
40	Telephone Cables	Delton/Finolex/ Polycab
41	Telephone Sockets	Anchor /MK / Legrand
42	Data Cable - CAT-6 / OFC cable	D-Link/Legrand/Polycab/ Amp
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 / Hooker	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 Armored Cable	Finolux / Polycab /Lapp
56	Online UPS	Vertiv / Eton / ABB / APC / Novatuer
57	Isolation Transformer	Numeric Digital system (Novature)/ Neelkanth power solution/Ador powertrans
58	I/O outlets & Fiber optics components ( Data & voice /Telecom., single mode/ multimode) includin cables, LIUs, Pigtrails, patch cords, connectors, couplers, splilings	Amp / CISCO / D link / Legrand
59	Network rack / Data center rack / distribution rack / server rack ( Sizes 6 U to 42 U )	Vertiv / APW-Vero President / Lergand / Schneider
60	CCTV system and component	Bosch / Panasonic / JCI / honeywell
61	Addressable fire alarm system	Bosch / Notifier / Siemens / Honeywell
62	Cable for fire detection & alarm system	Finolux / Polycab /Lapp/ RR



*Shrikantmi*

Executive Engineer

IISER Pune



## BILL OF QUANTITY

## Name of work: Providing UPS power distribution for XRF instruments at Mendeleev annex ECS lab , IISER Pune

SR. NO.	DESCRIPTION OF ITEM	Qty	Unit	Rate in amount and words	Amount
1	CABLE				
1.1	Laying of MV cable				
1.1.1	MV Cable Laying: Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing masonry open duct / on surface as required. Upto 35 sq. mm	30	Metre		
1.1.2	MV Cable Laying: Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing masonry open duct / on surface as required. From 35 to 95 sq. mm	50	Metre		
1.2	Cable termination				
1.2.1	End termination of Cu cable : Supply, loading ,transportation unloading at site, storages at site, shifting from storage place to site and making end termination with brass compression gland and copper lugs for following size of PVC Insulated and PVC sheathed/ PVC COPPER conductor cable of 1.1KV grade of following sizes as required 4 x 6 Sq. mm Copper ,XLPE Armoured Cable	4	Each		
1.2.2	End termination of Cu cable : Supply, loading ,transportation unloading at site, storages at site, shifting from storage place to site and making end termination with only copper lugs and cable ties for following size of PVC insulated and PVC sheathed/ PVC COPPER conductor cable of 1.1KV grade of following sizes as required 1 x 70 Sq. mm Copper ,XLPE Armoured Cable	10	Each		
1.3	Cable supply				
1.3.1	M.V. Cu Cable supply : Supply, loading ,transportation unloading at site, storages at site ,shifting from storage place to site, of 1100 Volts grade XLPE insulated over all FRILS outersheathed, Copper conductor, armoured LT power cables of as per IS : 1564 (Part 1) of following sizes. ( Note :- Cable shall be considered flat armoured type ) 4X6 sq. mm Copper ,XLPE Armoured Cable	30	metre		



1.3.3	M.V. Cu Cable supply : Supply, loading ,transportation unloading at site, storages at site ,shifting from storage place to site, of 1100 Volts grade XLPE Insulated over all FRLS outersheathed, Copper conductor, armoured LT power cables of as per IS :1554 (Part 1) of following sizes. ( Note :- Cable shall be considered flat armoured type ) <b>1X70 sq.mm Copper ,XLPE flexible Cable</b>	50	Metre		
2.1	<b>MCBS</b>				
2.1.1	MCCB,MCB&DBS Supplying and fixing 63 A rating, 240/415 V, 10 kA, "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. <b>FOUR pole</b>	2	Each		
2.2.1	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 ( Including excavation work in all soft / hard rock )	1	Each		
2.2.2	MCB Enclosures : Supplying and fixing 30 A, 415 V, TPN Industrial type socket outlet, with 4 pole and earth, metal enclosed plug topalongwith 30 A "C" curve, TPMC, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket outlet and complete with connections, testing and commissioning etc. as required.	4	Each		
2.3.2	Submain wiring : 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 X 4 sq. mm + 1 X 4 sq. mm earth wire	75	Metre		
2.3.3	Submain wiring : 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. 4 X 4 sq. mm + 1 X 4 sq. mm earth wire	25	Metre		
2.4.1	Wiring Conduits : 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. 20 mm	10	Meter		
2.5	<b>Wiring accessories</b>				
2.5.1	Supply & fixing following modular switch/ Socket on the existing modular plate & switch box including connection but excluding modular plate etc. as required 5/6 amps switch (For Power socket)	3	Each		
2.5.2	Supply & fixing following modular switch/ Socket on the existing modular plate & switch box including connection but excluding modular plate etc. as required : 15/16 amp switch (For Power socket)	3	Each		





2.5.3	Supply & fixing following modular switch/ Socket on the existing modular plate & switch box including connection but excluding modular plate etc. as required : 3 pin 5/6 amp socket outlet (For Power socket)	3	Each		
2.5.4	Supply & fixing following modular switch/ Socket on the existing modular plate & switch box including connection but excluding modular plate etc. as required : 6 pin 15/16 amp socket outlet (For Power socket)	3	Each		
2.5.5	Supply and fixing modular blanking plate on the existing modular plate & switch box with matching colour including connection but excluding modular plate etc. as required.	3	Each		
2.6	Base and cover plate				
2.6.5	Supplying and fixing following Modular base & cover plate ( Clip on support for mounting switches etc) on existing DLP U PVC trunking etc. as required. 6 module	6	Nos		
4	<b>MCCB,MCB&amp;DB'S</b>				
4.1.1	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "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. <b>Single pole</b>	4.00	Each		
4.1.2	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "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. <b>Tripal pole</b>	4.00	Each		
5	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 tinmed copper bus bar, common neutral link, earth bar, din bar for mounting MCBs (but without MCBs and incomer) as required . (Note : Vertical type MCB where 3 phase outlets are required.) <b>4 way (4 + 12), Double door</b>	1.00	Each		
<b>Total ( Including all, taxes, lead lift, labour etc. nothing extra shall be paid)</b>					

Sign and stamp of agency



*Okulkarni*  
Executive Engineer

