



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/ 134

Dated 20/05/ 2019

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 30/05/2019** 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 distribution system for UPS and RAW power of liquid helium plant near h cross, IISER Pune.

Issue to – Name and address of the agency –

Akulkarni
Executive Engineer,
IISER Pune

Terms and Conditions:

- 1) The applicant should be registered with CPWD in western region OR Maharashtra State PWD, OR MES OR 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 30/05/2019**. 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 (30/05/2019) 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.



Akulkarni
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.	Material	IIISER PUNE 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/ 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	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	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/MK
33	Cable trays	Storrax/ Skaber/Profab
34	Metallic raceways	Storrax/ Skaber/Profab
35	PVC raceways / PVC DLP trucking	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 Engineer In charge.
57	Isolation Transformer	Numeric Digital system (Novature)/ Neelkanth power solution/Ador powertrans



Neelkanth
Executive Engineer

IISER Pune

Schedule of Quantity :

Name of work : Providing electrical distribution system for UPS and RAW power of liquid helium plant near h cross, IISER Pune.

Sr.No.	Description	Qty	unit	Rate in words and figures	Amount
1	Supply of 1 x 10 sqmm copper conductor flex cable, 1100 V grade, PVC insulated , make Polycab / finolex/ RR.	80	meter		
2	Supplying and making end termination with brass compression gland and copper lugs for 1 x 10 sqmm copper flex cable of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.	40	Nos		
3	Supply of 4 C x 35 sqmm Aluminium conductor, Armoured cable, 1.1 KV grade, PVC /XLPE insulated , make Polycab / finolex/ RR.	340	meter		
4	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of up to 35 sqmm cable size on cable tray / open mensory duct / on wall surface with clamps etc., as required.	200	meter		
5	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation, sand cushioning, roctective covering and refilling the trench etc as required. (Upto 35 sqmm cable)	70	meter		
6	Laying of one number additional PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground in the same trench in one tier horizontal formation including excavation, sand cushioning, protective covering and refilling the trench etc as required.	70	meter		
7	Supplying & fixing 4 way double door prewired vertical type TP&N MCB distribution board of steel sheet for 415 volts on surface/ recess complate with loose wire box of sheet steel, dust protected, duly powder painted, inclusive of 200 amps tinned copper bus bar, common neutral link, earth bar, din bar for mounted MCB's, terminal connectors for all incoming and outgoing circuits, with adequate size of FR PVC insulated copper conductor upto the terminal connector/ neutral link, earthing etc as required (suitable for MCCB Incomer but without MCB/RCCB/MCCB). (Note: Prewired vertical type MCB TPDB is normally used where 3 phase outlets are required) (Make : legrand/siemens/L&T)	3	Nos		
8	Supplying and making end termination with brass compression gland and aluminium lugs for 4 x 35 sqmm al arm cable of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.	8	Nos		





9	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. (FOUR POLE) (Make Legrand / MK / Siemens)	5	Nos		
10	Supplying and fixing 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. (TRIPAL POLE) (Make Legrand / MK / Siemens)	10	Nos		
11	Supplying and fixing 16 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. (SINGLE POLE) (Make Legrand / MK / Siemens)	6	Nos		
12	Supply and fixing of Earthing strip 25x5 mm copper with insulators mounting 300 mm length and min 4 bore for cables termination on surface as complete.	2	Nos		
13	Wiring for circuit/ submain wiring alongwith earth wire with the 4 X 6 sq. mm + 2 X 6 sq. mm earth wire of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required. (Make Polycab / Finolex / RR)	70	meter		
14	Wiring for circuit/ submain wiring alongwith earth wire with the 2 X 4 sq. mm + 1 X 4 sq. mm earth wire sq. mm earth wire of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required. (Make Polycab / Finolex / RR)	50	meter		
15	Supply & installation of surface mounted DLP U-PVC adaptable trunking raceways, RACEWAYS (along the wall), DLP U-PVC adaptable trunking . Size 105 X 50 mm PVC raceways for power and data with above specifications. Item includes all accessories like corners, bends, cover, end caps, separators, mounting accessories, civil minor work etc to complete the work. (Make Legrand / MK)	15	meter		
16	Supplying and fixing 32 A, 415 V, TPN Industrial type socket outlet, with 4 pole and earth, metal enclosed plug top alongwith 32 A "C" curve, TP/NCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, sockets, MCB , internal wiring, plugs, testing and commissioning etc. as required. (Make Legrand / MK)	7	Nos		
17	Supplying and fixing following 4 module box, modular base and cover plate with required accessories for modular switches in recess / on existing UPVC trunking etc., as required. Make Legrand / MK	10	Nos		
18	Supplying and fixing following 16 Amp modular sockets on the existing raceways including connections and accessories as required. Make Legrand / MK	10	Nos		
19	Supplying and fixing following 16 Amp modular switch on the existing raceways including connections and accessories as required. Make Legrand / MK	10	Nos		

20	Supply and laying of 8 SWG GI wire along with armoured cable and for DBs to earth pit connections	60	meter	
21	Supply and fixing of recess / surface mounted 2'x2' - 22 to 28 W LED light fitting of based luminaire for surface mounting or recess mounting in False ceiling with 600 x 600 mm module, square 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. Efficiency min 100 lumens / watt (Make - Syska / Jagvar / Wipro / Philips)	6	Nos	
22	Wiring for light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with piano type switch, phenolic laminated sheet, suitable size M.S. box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc. as required. (Group B) (Make Polycab / Finolex / RR)	10	Nos	
23	Supply and fixing of LED 22 to 28 W IP66 /65 fitting with inbuilt drivers , used for external / compound / street light purpose. With GI bracket and mounting rod stand : size min 300 mm long for fixing on wall surface , bracket angle suitable for fixing of LED fitting. Design of supporting rod and bracket should be approved from engineer in charge before installation. Mounting using clamps on wall surface. Efficiency min 100 lumens / watt (Make Syska / Bajaj/Philips /GE / Jagvar)	4	Nos	
24	Wiring for fan point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with piano type switch, phenolic laminated sheet, suitable size M.S. box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc. as required. (Group B) (Make Polycab / Finolex / RR)	2	Nos	
TOTAL				
SIGN AND STAMP OF AGENCY				EXECUTIVE ENGINEER IISER PUNE



