



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/ 126

Dated 10 / 05 / 2021

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 24/05/2021** 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 Electrical Distribution for New Pinacho CNC Machine and lab 225 at H cross, 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 **60 (Sixty)** 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 24/05/2021**. 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/ Teknic/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 / Philips
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 / 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 Armored Cable	Finolex / 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, Pigtails, patch cords, connectors, couplers, spliings	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	Finolex / Polycab / Lapp/ RR



Okulkami

Executive Engineer

IISER Pune

BOQ - Bill of Quantity

Name of the work : Providing Electrical Distribution For New Pinacho CNC machine and Lab 225 at H Cross ISER Pune.

Note : Quoted rates are inclusive of all Taxes, labour, transport, royalty, lift, lead etc. Nothing Extra shall be paid separately.

Item No	Item Description	Unit	QTY	Rates in words and Figure	Amount
1	Supply of Following size of XLPE/PVC sheathed power cable of 1.1 KV grade, 1 C x 10 sq mm copper Conductor flexible green colour cable, quoted rates shall be including all taxes,duties,royalties,lead,lift,transportation,GST etc complete.Nothing shall be payable separately. Work shall be executed as per direction of engineer in charge,ISER Pune. Actual cable laid at site shall be measured for payments.	meter	60		
2	Supply of Following size of XLPE/PVC sheathed power cable of 1.1 KV grade, 4 C x 10 sq mm copper Conductor armoured cable, quoted rates shall be including all taxes,duties,royalties,lead,lift,transportation,GST etc complete.Nothing shall be payable separately. Work shall be executed as per direction of engineer in charge,ISER Pune. Actual cable laid at site shall be measured for payments.	meter	50		
3	Supply of Following size of XLPE/PVC sheathed power cable of 1.1 KV grade, 3 1/2 C x 95 sq mm Aluminium Conductor armoured cable, quoted rates shall be including all taxes,duties,royalties,lead,lift,transportation,GST etc complete.Nothing shall be payable separately. Work shall be executed as per direction of engineer in charge,ISER Pune. Actual cable laid at site shall be measured for payments.	meter	120		
4	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				
4.1	4 core x 10 sq.mm	each	6		
4.2	1 core x 10 sq.mm	each	6		
5	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV				
5.1	3 1/2 X 95 sq. mm (45mm)	each	2		
6	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required.				
6.1	Up to 35 sq. mm (clamped with 1mm thick saddle)	meter	120		
6.2	Above 95 sq. mm and upto 185 sq. mm (clamped with 25/40x3mm MS flat clamp)	meter	10		
7	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, protective coveising and refilling, the trench etc as required.				
7.1	Above 95 sq. mm and upto 185 sq. mm	meter	120		



8	Excavation for cable trenches of depth upto 1.2 m in soft soil including getting out the excavated soil and disposal of surplus excavated soil as directed within a lead of 50 metres.	cum	100		
9	Excavation for cable trenches of depth upto 1.2 m in soft soil including getting out the excavated soil and disposal of surplus excavated soil as directed within a lead of 50 metres.	cum	30		
10	Filling available excavated earth (excluding rock) in trenches, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 metres	cum	100		
11	Supplying and fixing cable route marker with 10 cm X 10 cm X 5mm thick G.I. plate with inscription there on, bolted/welded to 35 mm X 35 mm X 6 mm angle iron, 60 cm long and fixing the same in ground as required.	each	50		
12	Supply and laying of 12 SWG GI wire along with aluminium armoured cable for earthing purpose. As complete.	meter	240		
13	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 lined 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.) MCCB as a incomer for VTPN DB				
13.1	4 way (4 + 12), Double door	Each	1		
14	Supplying and fixing 63 A, 415 V, TPN Industrial type socket outlet, with 4 pole and earth, metal enclosed plug top along with 30 A "C" curve, TPMCB, 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.	Nos	2		
15	Providing and fixing M.V. danger notice plate of 200 mm X 150 mm, made of mild steel, at least 2 mm thick, and vitreous enameled white on both sides, and with inscription in single red colour on front side as required.	nos	1		
16	Supplying and fixing FP sheet steel enclosure on surface/ recess along with 16/25/32 A 415 V "C" curve FP MCB complete with connections, testing and commissioning etc. as required.	each	2		
17	Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminalspreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.				
17.1	125 A, 36KA, FPMCCB	Nos	2		
18	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.				



18.1	5/6 A switch	Each	1		
18.2	15/16 A switch	Each	1		
18.3	3 pin 5/6 A socket outlet	Each	1		
18.4	5 pin 15/16 A socket outlet	Each	1		
19	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	Each	1		
20	Supplying and fixing following Modular base & cover plate on existing modular metal / PVC boxes etc. as required.				
20.1	4 module	Each	2		
21	Supply and installation of surface PVC boxes for 4 module surface plate on surface/ recessed / ceiling / false ceiling as required as complete.	nos	2		
22	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in with surface/ recessed medium class PVC conduit as required. (For UPS power) Colour code required for UPS power.				
22.1	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	meter	50		
23	Supply and laying of 70 sqmm copper flex PVC 1.1 KV grade green insulated cable on surface/ in existing trench/ on tray etc as required and complete.	meter	50		
24	Termination of 70 sqmm copper flex cable with required copper lugs and nutbolts etc , as complete.	Each	2		
25	Supply of Following size of XLPE insulated and XLPE/PVC sheathed power cable of 1.1 KV grade. 4 C x 6 sq mm copper Conductor armored cable. quoted rates shall be including all taxes, duties, royalties, lead/lift, transportation, GST etc complete. Nothing shall be payable separately. Work shall be executed as per direction of engineer in charge, IISER Pune. Actual cable laid at site shall be measured for payments.	meter	70		
26	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required.				



27	Upto 35 sq. mm (clamped with 1mm thick saddle)	meter	70		
28	Supply and laying of 12 SWG GI wire along with aluminium armoured cable for earthing purpose. As complete.	meter	70		
29	Supplying and fixing 32 A, 415 V, IPN industrial type socket outlet, with 4 pole and earth, metal enclosed plug top along with 30 A "C" curve, TPVCB. In steel 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.	Nos	1		
30	Earthing with copper earth plate 600 mm X 600 mm X 6 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 90 kg and salt 50 kg as required. Including excavation and refilling soft and hard rock. Refilling with black cotton soil. Breazing of plates with strip, chamber with cover, etc as complete.	Each	1		
31	Supplying and laying 25 mm X 5 mm copper strip at 0.50 metre below ground as strip earth electrode, including connection/ terminating with nut, bolt, spring, washer etc. as required. (Joining shall be done by overlapping and with 2 sets of brass nut bolt & spring washer spaced at 50mm)	meter	2		
32	Supply and laying of 70 sqmm copper flex, PVC 1.1 KV grade green insulated cable on surface/ in existing trench/ on tray etc as required and complete.	meter	50		
33	Termination of 70 sqmm copper flex cable with required copper lugs and nutbolts etc, as complete.	Each	2		
Total					

Kulkarni
Executive Engineer
IISER Pune



Sign and Stamp of agency