



INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH PUNE

(An Autonomous Institution, Ministry of Education, Govt. of India)

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

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No: 54(2) /IISER/Pune/2022-23/118

Dated 17 / 05 / 2022

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 20/05/2022 from approved and eligible contractors registered with anyone of CPWD, Maharashtra State PWD, Railways, and MES in appropriate category for electrical (B&C) works. The quotations will be opened at 3.30 PM on the same day.

NAME OF WORK: - Providing Electrical Distribution for Office at 2nd floor A wing & Dean office Gr fl, main building, IISER Pune.

Issue to –

Name and address of the agency –


Superintending Engineer IISER Pune

Terms and Conditions:

- 1) The applicant should be approved and eligible contractors registered with anyone of CPWD, Maharashtra State PWD, Railways, MES in appropriate category for electrical (B&C) works. Applicant should submit attested or notarized copies of the experience certificate for the work completed within last three years from client department with copy of work order/LOI and completion certificate to along with the quotation. Bidders not meeting the minimum eligibility criteria shall be summarily rejected.
- 2) Time period for completion of work shall be 15 days from the date of placing the work order by IISER Pune. The act of backing-out after opening of quotation will debar such agencies for participating in the 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 one day before submission date of quotation as specified above.
- 3) Notice Inviting Quotation (NIQ) document may be obtained from IISER PUNE at 121, Engineering Section, Main Building, IISER PUNE Campus, Dr. Homi Bhabha Road, Pashan, Pune - 411008 between 10 AM to 4 PM on all working days before date of submission. Applicant may submit quotation by obtaining NIQ document from IISER PUNE website at <http://www.iiserpune.ac.in/links/tender-notices-and-eoi>
- 4) All agencies need to submit their quotation in hard copy in sealed envelope on and before 3 PM on 20/05/2022. 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 BOQ. Rates quoted in words shall be treated as Final for deciding L1 bidder. The bid shall

be submitted in the original bid document (as issued by the IISER, Pune or Webcopy super scribing the name of work. Quoted rates shall be valid for 60 days from the date of opening of quotations. Rates shall be quoted in hand writing at the spaces provided in NIQ document.

- 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 quotations 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. No, Bidder shall contact the IISER, Pune on any matter relating to his bid from the time of the bid opening to the time of issue of work order. Any effort by the Bidder to influence the IISER's bid evaluation, bid comparison or contract award decisions, may result in the rejection of his bid.
- 8) 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 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. Income Tax and labour cess will be deducted from the bills of the work.
- 9) 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.
- 10) The contractor shall ensure that minimum wages should be paid to the labours and employees in accordance with labour laws. All the safety measures shall be followed by the L1 agency as per prescribed norms during execution of work with all the necessary safety tools etc. Executing Agency shall be sole techno-commercially responsible for the strict adherence of safety norms and allied compensations etc.
- 11) Agency should submit measurements and abstract sheets to IISER PUNE for the payments within 30 days from completion of work.


Superintending Engineer IISER Pune

BOQ

Date :

17-05-2022

Name of work : Providing electrical distribution for Office at 2nd floor A wing & Dean office Gr fl, main building, IISER Pune.

Sl.No	Description of Work / Item(s)	No.of Qty	Units	Rate (In words and figure)	Amount
1	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. 1 15/16 A switch	13	Each		
2	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. 6 A switch	2	Each		
3	Supply, Installation, Testing & Commissioning of single UTP CAT6 I/O of specified make with different colours for differentiating Data, Voice & Wifi and other services inclusive of termination of UTP CAT6 cable at each I/O as required as per drawing. The IO shall be mounted inside single or duplex or quad faceplate as applicable and using suitable backbox assembly. It shall be as per technical specifications with all the necessary mounting accessories as required for complete installation.	18	Each		
4	Supplying and fixing following Modular base & cover plate (Clip on support for mounting switches etc) on existing DLP U PVC trunking etc. as required. 4 module 85 mm	22	Nos		
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 85 mm	21	Nos		
6	Supplying and fixing following Modular base & cover plate (Clip on support for mounting switches etc) on existing DLP U PVC trunking etc. as required. 1 module 85 mm	18	Nos		
7	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	42	Each		

8	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, internal angle, external angle, flat 90 degree angle , end caps , seperators and tees etc, Complete. (For every 1mtr distance cable tag has to be provided for each circuit in the raceways - as more than 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	33	Meter		
9	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator) 12 way (12), Double door	1	Each		
10	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 (UPS)	120	Meter		
11	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 (RAW)	70	Meter		
12	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required. Group C	15	Nos		
13	Supply of Following size of PVC insulated and PVC sheathed power cable of 1.1 KV grade. 4 C x 10 sq.mm Cu. Conductor multistand 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,IISER Pune. Actual cable laid at site shall be measured for payments.	74	Meter		
14	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. Single pole	8	Each		
15	Supplying and fixing following rating, double pole, (single phase and neutral), 240 V, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required. 25 A	2	Each		

16	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 16 of 1.1 KV grade as required. 4 x 10 sq. mm	2	Each		
17	Supply and installation of Wall mounted fan, min 400 mm sweep, 230V AC, oscillator 17 movement, silent operation, Make Crompton High flo wave	4	nos		
18	Supplying and drawing of UTP 4 pair CAT 6 LAN Cable in the existing surface/ recessed Steel/ PVC conduit as required. 1 run of cable	1800	Meter		
19	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 (for Data cable) 25 MM	400	RMT		
20	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. 32 mm	50	Meter		
21	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)	40	Each		
22	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		
23	Supplying and fixing following Modular base & cover plate (Clip on support for mounting switches etc) on existing DLP U PVC trunking etc. as required. 2/3 module	8	Nos		
24	Supply and fixing of seperation partition 85/105 mm in existing DLP U PVC trunking as required.	50	Meter		
25	Network accessories : Supply and fixing of CAT 6 patch cord 2 m in length as required.	8	Nos		

	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.Quoted rate shall be including material, labour, taxes, duties, lead, lift, loading, transportation, unloading, storing , scaffolding etc, making holes in walls , filling holes with mortar etc complete as per direction of Engineer In-charge.	8	Nos		
26	Nothing extra shall be paid separately.				
	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 Rackside side) as required.Quoted rate shall be including material, labour, taxes, duties, lead, lift, loading, transportation, unloading, storing , scaffolding etc, making holes in walls , filling holes with mortar etc complete as per direction of Engineer In-charge. Nothing extra shall be paid separately.	24	nos		
27					
	Supply of Recessed/Surface Mounted 2'X2' , 36 / 40 W LED Luminaire Light with Single piece molded Polycarbonate diffuser, Lighting and electrical parameters are inline with 2'X2' Luminaire. Luminaire should give more volumetric light & higher vertical illumination.Luminaire should be available in different Lumen Packs of 4000 lm with different CCT.. LED Used shall be SMD type and fixture should have minimum efficacy at System level (Not Chip Level) >=100 lumens/watt, Life of fixture 50000hrs@L70% Lumen maintenance, CCT up to 6500, CRI >80, PF >0.95 and SDCM 4 for good light quality, an operating Voltage Range of 140 - 270 V.Minimum Internal Surge Protection 2.5KV The fixture should comply with the parameters as per ISI0322. The LED driver should comply to IEC61000-3-2 ed.3.2, 2009 for Harmonics, IEC61347 -2 -13, 2006 in Conjunction with IEC61347-1 ed.2.0, 2007 for Electrical Safety, IEC62384 ed.1.1, 2011 for performance and IEC61547 ed.2.0, 2009, CISPR-15 for EMI. Manufacturer shall have inhouse lab approved by NABL or ministry of science of govt of India. LM 79 and LM80 reports need to be submitted from a NABL/UL accredited lab to verify above parameters. Make Wipro / Crompton / Havell / Bajaj	4	Nos		
28					
	ERECTION for Recessed/Surface Mounted 2'X2' , 36 / 40 W LED Luminaire including ceiling hook, drop wires 3 R x 1.5 sqmm copper flex wire from ceiling point to fitting with full covered flex pipe, stray wire / cable for handling fitting on false ceiling or mounting on ceiling with surface box assembly etc as required and complete. Cutting 29 in metal / false ceiling for required cut out is in scope of agency.	4	Nos		
29					
In words :					TOTAL Rs.

Superintending Engineer, IISER Pune

APPROVED MAKELIST FOR ELECTRICAL		
SL.No.	Material	IISER 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 /EHns / Lotus Switchgear / Pace Switch gears/Suvarna Electricals
12	Moulded Case Circuit Breaker	GE (Spectra / Record)/Schneider (COMPACT)/ L & T (0 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/Finox/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	Metal Halide fitting. Fluorescent CFL/GLs	Bajaj / Wipro / Crompton / Philips
25	LED Light fitting	Wipro/Asian/Siska /Philips
26	Ceiling Fan	Crompton greaves (high breeze)/ Bajaj Super Model /Usha
27	Exhaust Fans	Alstom/Almonard/Lisha/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	Bajaj / Wipro / Crompton / Philips
38	Recess mounted down lighter	Bajaj / Wipro / Crompton / Philips
39	Wall mounted luminaire	Bajaj / Wipro / Crompton / Philips
40	Data Cable - CAT-6	D-Link/Legrand/Polycab
41	External light fittings/ Garden Light fittings	Bajaj / Wipro / Crompton / Philips
42	Base plates and face plates	Legrand Mosaic/MK/Schneider/ Anchor(Ave)
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 /RR/KEI/CCI
56	Other Items	Approval of Engineer In charge.
57	Isolation Transformer	Numeric Digital system (Novature)/ Neelkanth power solution/Ador powertrans

