



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/2019-20/

Dated 14/ 10 / 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 23/10/2019** 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 fittings for Main building, Lecture hall complex and street light,
IISER Pune.**

Issue to – Name and address of the agency –

Akulkarni

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 / (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 **30 (Thirty)** 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 23/10/2019**. 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 (23/10/2019) 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.


Executive Engineer,
IISER Pune

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

Sign & stamp of Agency-



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/ 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 (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/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	Aistom/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



SCHEDULED OF QUANTITY

Name of work : Providing electrical fittings for Main building, Lecture hall complex and street light, IISER Pune.

Item no	Item Description	Unit	QTY	Rate in words and figure	Amount in words and figure
1	Supply and fixing of surface mounted / recess mounted 1200 mm , 1 x 20 W LED light, cool day light fitting of based luminaire for surface mounting / recess mounted as per site requirement on ceiling with 1200 x 200 max 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. (Make Syska / Wipro / Philips)	nos	50		
2	Supply and fixing of surface mounted / wall mounted , 2 ft , 10 W LED light fitting, cool day light of based luminaire for surface mounting on ceiling with module, 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 Syska / Wipro / Philips)	nos	48		
3	Supply and fixing of 160 mm dia downlight LED recess mounted, round shape, 18 W fitting, cool day light of based luminaire for surface mounting on ceiling with module, 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 Syska / Wipro / Philips)	nos	100		



4	<p>Supply and fixing of 110 mm dia downlight LED recess mounted, round shape, 12 W fitting, cool day light of based luminaire for surface mounting on ceiling with module, 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 Syska / Wipro / Philips)</p>	nos	100	
5	<p>Supply and fixing of surface mounted 2'x2' - 36 W LED light fitting, cool day light of based luminaire for surface mounting on 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. (Make Syska / Wipro / Philips)</p>	nos	30	
6	<p>Supply and fixing of surface mounted / recess mounted 300 mm dia round type, 1 x 36 W LED light, cool day light fitting of based luminaire for surface mounting / recess mounted as per site requirement on ceiling with 300 mm dia round shape, 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 Syska / Wipro / Philips)</p>	nos	6	



7	Supply and fixing of 72 W LED flood light on surface/ 7 to 16 m height pole with required tools, plant, labours, manpower, transport, taxes, handing, etc included, as required.	nos	16		
10	Providing and laying Reinforced cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, RCC columns, piers, abutments, pillars posts, struts, buttresses, string or lacing courses, parapets, coping bed blocks, anchor blocks, window sills, fillets, sunken floor etc., near found level including the cost of necessary excavation, centering shuttering and finishing : in 1:2:4 (1 cement: 2 fine sand: 4 graded stone of 20 mm nominal size). For RCC column pedestal for street light poles (as per approved drawing). Rate is inclusive of cost of all the materials, labour, all taxes and levies, octroi etc. Quantity of concrete laid as per approved drawing shall be measured for payment.	Cum	3		
11	Steel reinforcement for R.C.C. work including straighten, cutting, bending, placing in position and binding all complete up to plinth level. - Thermo-Mechanically Treated bars.	Kg	240		



12	<p>Erecting hot dip galvanized 7 meter height pole on RCC pedestal as per design requirements & as per drawing with the following specifications. (A) Height - 7 meters (B) Top 70 mm (C) Bottom dia - 130 mm (D) Sheet thickness - 3 mm (E) Base plate - 220 mm x 220 mm x 12 mm (F) Shape of cross section - Octagonal (G) Steel used - Base plate M S IS 2062 & Pole shaft S 366JO (H) Yield Strength - min 355 N/ mm² (I) Thickness of galvanised - not less than 70 microns as per BS EN 1461. (J) Cable box - The pole should have build in 4 core cable termination box with SPMCB. (K) Wind Velocity - The pole should stand a wind velocity up to 169 Km / Hr (L) Foundation bolts manufactured from special steel alongwith nuts, washer, anchor plate and comon template including all accessories required to make the pole operational complete as per approved drawing & specifications. The rate shall be inclusive of the cost of all the materials including nutbolts, screws, wires , GI plates etc and all labour, scaffolding, hoisting arrangements, all taxes & levies, octroi etc. Except RCC pedestal as per design which shall be for paid separately. The agency shall submit the design of RCC pedestal & shop drawings for approval before taking up the work. Measurement shall be made for complete pole assembly on each pole basis.</p>	Nos	8		
13	<p>Supplying & erecting street light bracket as per drawing for single street light suitable for LED 40 W street light fitting made from suitable dia. Class B. 40 mm dia nominal bore G. I. pipe, 1.0 meter horizontal distance as per drawing, mounted on existing pole with nuts and bolts or G I clamps fabricated from 25 mm x 5 mm M.S. strip & using appropriate S.S. nuts & bolts etc as per manufacturer specifications. The rate is inclusive of the cost of material, labour, hoisting, all taxes & levies, octroi etc complete as per direction of Engineer in charge.</p>	Nos	8		



14	Excavation for foundation in soft soil including dressing of sides and ramming of bottoms, lift upto 1.5 m including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 metres.	Cum	50		
15	Excavation for foundation trenches of depth upto 1.2 m in hard soil / RCC road cutting including getting out the excavated soil and disposal of surplus excavated soil as directed within a lead of 50 metres.	Cum	20		
16	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	70		
	TOTAL				

Sign and Stamp of Agency



Kulkarni

Executive Engineer, IISER Pune