



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 18/ 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 24/10/2019** 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 distribution and accessories at Guest house, and indoor sport complex 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 / (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 **20 (Twenty)** 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 24/10/2019**. 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 (**24/10/2019**) 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		
S.No.	Material	IISER PUNE
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/ Teknik/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	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	Storax/ Skaber/Profab
34	Metallic raceways	Storax/ 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



Dr. K. K. Kamal

Executive Engineer

IISER Pune

SCHEDULED OF QUANTITY

Name of work : Providing Electrical distribution and accessories at Guest house, and Indoor sport complex IISER Pune.

Sr.No.	Description	Qty	unit	Rate in words and figure	Amount in words and figure
1	Supply of following items for extension boards, existing boards and electrical switch boards etc.				
1.1	5/6 A 1 module switch 1 way (Make Legrand)	100	Nos		
1.2	5/6 A 2 module socket (Make Legrand)	100	Nos		
1.3	15/16 A 1 module switch 1 way (Make Legrand)	20	Nos		
1.4	15/16 A 2/3 module socket (Make Legrand)	20	Nos		
1.5	4 module surface plate with base plate (Make Legrand)	20	Nos		
1.6	6 module surface plate with base plate (Make Legrand)	20	Nos		
1.7	8 module surface plate with base plate (Make Legrand)	20	Nos		
1.8	PVC surface box for 4 module plate (Make Legrand)	20	Nos		
1.9	PVC surface box for 6 module plate (Make Legrand)	20	Nos		
1.10	PVC surface box for 8 module plate (Make Legrand)	20	Nos		
1.11	Blanking plate 1 module (Make Legrand)	20	Nos		
1.12	PVC Trunking 105 x 50 mm size with cover, 2 meter in length (Make Legrand)	10	Nos		
1.13	PVC Trunking end cap 105 x 50 mm size (Make Legrand)	20	Nos		



1.14	25 mm size casing n capping , 2 m in length each (make Modi)	150	Nos		
1.15	PVC round plate 6" dia	50	Nos		
1.16	PVC round plate 8" dia	50	Nos		
1.17	PVC square plate 8"x8" size	50	Nos		
1.18	1.5 sqmm copper flex FRLS wire , 1.1 KV grade, PVC insulated, red colour insulated (make Polycab/Finolex/RR cable)	180	meter		
1.19	1.5 sqmm copper flex FRLS wire , 1.1 KV grade, PVC insulated, black colour insulated (make polycab/Finolex/ RR cable)	180	meter		
1.20	1.5 sqmm copper flex FRLS wire , 1.1 KV grade, PVC insulated, green colour insulated (make polycab/Finolex/ RR cable)	180	meter		
1.21	2.5 sqmm copper flex FRLS wire , 1.1 KV grade, PVC insulated, red colour insulated (make polycab/Finolex/ RR cable)	180	meter		
1.22	2.5 sqmm copper flex FRLS wire , 1.1 KV grade, PVC insulated, black colour insulated (make polycab/Finolex/ RR cable)	180	meter		
1.23	2.5 sqmm copper flex FRLS wire , 1.1 KV grade, PVC insulated, green colour insulated (make polycab/Finolex/ RR cable)	180	meter		
1.24	4 sqmm copper flex FRLS wire , 1.1 KV grade, PVC insulated, red colour insulated (make polycab/Finolex/ RR cable)	180	meter		
1.25	4 sqmm copper flex FRLS wire , 1.1 KV grade, PVC insulated, yellow colour insulated (make polycab/Finolex/ RR cable)	180	meter		
1.26	4 sqmm copper flex FRLS wire , 1.1 KV grade, PVC insulated, blue colour insulated (make polycab/Finolex/ RR cable)	180	meter		
1.27	4 sqmm copper flex FRLS wire , 1.1 KV grade, PVC insulated, black colour insulated (make polycab/Finolex/ RR cable)	180	meter		
1.28	4 sqmm copper flex FRLS wire , 1.1 KV grade, PVC insulated, green colour insulated (make polycab/Finolex/ RR cable)	180	meter		
1.29	3 C x 2.5 sqmm copper flex FRLS wire , 1.1 KV grade, PVC insulated, (make polycab/Finolex/ RR cable)	100	meter		



1.30.	3 C x 4 sqmm copper flex FRLS wire, 1.1 KV grade, PVC insulated, (make polycab/Finolex/ RR cable)	100	meter		
1.31	4 C x 6 sqmm copper arm cable, 1.1 KV grade, PVC insulated, FRLS, (make polycab/Finolex/ RR cable)	150	meter		
1.32	4 C x 16 sqmm copper arm cable, 1.1 KV grade, PVC insulated, FRLS, (make polycab/Finolex/ RR cable)	100	meter		
1.33	5 A 3 pin TOP (make Anchore)	20	Nos		
1.34	15 A 3 pin TOP (make Anchore)	20	Nos		
1.35	Single pole C curve 10 kA, 32 A MCB (Make Legrand)	40	Nos		
1.36	Double pole C curve 10 kA, 32 A MCB (Make Legrand)	20	Nos		
1.37	Triple pole C curve 10 kA, 32 A MCB (Make Legrand)	10	Nos		
1.38	Four pole C curve 10 kA, 32 A MCB (Make Legrand)	5	Nos		
1.39	Metal encloser box for DP MCB (Make Legrand)	10	Nos		
1.40.	Metal encloser box for FP MCB (Make Legrand)	10	Nos		
1.41	CAT 6 UTP unarmoured cable 305 m in each coil	2	Nos		
1.42	IO module of 1 module	20	Nos		
2	fixing of following items for extension boards, existing boards and electrical switch boards etc with required accessories as complete.				
2.1	5/6 A 1 module switch 1 way	100	Nos		
2.2	5/6 A 2 module socket	100	Nos		
2.3	15/16 A 1 module switch 1 way	20	Nos		



2.4	15/16 A 2/3 module socket	20	Nos		
2.5	4 module surface plate with base plate	20	Nos		
2.6	6 module surface plate with base plate	20	Nos		
2.7	8 module surface plate with base plate	20	Nos		
2.8	PVC surface box for 4 module plate	20	Nos		
2.9	PVC surface box for 6 module plate	20	Nos		
2.10	PVC surface box for 8 module plate	20	Nos		
2.11	Blanking plate 1 module	20	Nos		
2.12	PVC Trunking 105 x 50 mm size with cover, 2 meter in length	10	Nos		
2.13	PVC Trunking end cap 105 x 50 mm size	20	Nos		
2.14	25 mm size casing n capping	150	Nos		
2.15	PVC round plate 6" dia	50	Nos		
2.16	PVC round plate 8" dia	50	Nos		
2.17	PVC square plate 8"x8" size	50	Nos		
2.18	1.5 sqmm copper flex FRLS wire, 1.1 KV grade, PVC insulated, red colour insulated	180	meter		
2.19	1.5 sqmm copper flex FRLS wire, 1.1 KV grade, PVC insulated, black colour insulated	180	meter		
2.20	1.5 sqmm copper flex FRLS wire, 1.1 KV grade, PVC insulated, green colour insulated	180	meter		
2.21	2.5 sqmm copper flex FRLS wire, 1.1 KV grade, PVC insulated, red colour insulated	180	meter		
2.11	2.5 sqmm copper flex FRLS wire, 1.1 KV grade, PVC insulated, black colour insulated	180	meter		
2.23	2.5 sqmm copper flex FRLS wire, 1.1 KV grade, PVC insulated, green colour insulated	180	meter		



2.24	4 sqmm copper flex FRLS wire , 1.1 KV grade, PVC insulated, red colour insulated	180	meter		
2.25	4 sqmm copper flex FRLS wire , 1.1 KV grade, PVC insulated, yellow colour insulated	180	meter		
2.26	4 sqmm copper flex FRLS wire , 1.1 KV grade, PVC insulated, blue colour insulated	180	meter		
2.27	4 sqmm copper flex FRLS wire , 1.1 KV grade, PVC insulated, black colour insulated	180	meter		
2.28	4 sqmm copper flex FRLS wire , 1.1 KV grade, PVC insulated, green colour insulated	180	meter		
2.29	3 C x 2.5 sqmm copper flex FRLS wire , 1.1 KV grade, PVC insulated,	100	meter		
2.30.	3 C x 4 sqmm copper flex FRLS wire , 1.1 KV grade, PVC insulated,	100	meter		
2.31	4 C x 6 sqmm copper arm cable, 1.1 KV grade, PVC insulated, FRLS,	150	meter		
2.32	4 C x 16 sqmm copper arm cable, 1.1 KV grade, PVC insulated, FRLS,	100	meter		
2.33	5 A 3 pin TOP	20	Nos		
2.31	15 A 3 pin TOP	20	Nos		
2.35	Single pole C curve 10 kA, 32 A MCB	40	Nos		
2.36	Double pole C curve 10 kA, 32 A MCB	20	Nos		
2.37	Triple pole C curve 10 kA, 32 A MCB	10	Nos		
2.38	Four pole C curve 10 kA, 32 A MCB	5	Nos		
2.39	Metal enclosure box for DP MCB	10	Nos		
2.40	Metal enclosure box for FP MCB	10	Nos		
2.41	CAT 6 UTP cable unarmoured	610	meter		
2.42	IO module of 1 module	20	Nos		
3	Supply and Laying of 6 core single mode OFC cable on wall surface/ cable tray/ ground etc with required clamps etc with direction of engineer in charge.	190.00	Mtr		





	Supply and Fixing of 6 Core LUU mm loaded box	1.00	Each		
5	Supply and Fixing Splicing for 6 core OFC cable	12.00	Each		
6	Supply and Fixing pigtail for OFC cable	12.00	Each		
7	Supply and Fixing of OFC Patch cord 3 Mtr length SC to LC	2.00	Each		
8	Supply and installation of 24 port fully loaded patch panel with IO modules suitable for UTP CAT 6 cable and required mounting accessories for existing network rack	1.00	Each		
9	Supply and making end termination for UTP 4 pair CAT 6 LAN cable on existing fully loaded patch panel with IO modules which is suitable for network rack mounting as required.	15.00	Each		
10	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	15.00	Each		
11	Supply and Laying and fixing of one number PVC insulated and PVC sheathed UTP 4 pair CAT 6 LAN cable on wall surface / open tray / existing open duct with required clamps & accessories as required	200.00	Mtr		
12	Supplying and laying of following size DWG HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part II complete with fitting and cutting, jointing etc direct in ground (75 cm below ground level) including excavation and refilling the trench but excluding sand cushioning and protective covering etc. , complete as required				
12.1	63 mm dia (OD-63 mm & ID-51 mm nominal) Wall Mount Side Integrated - 9U - 450W - 900D - Fan Provision - Pastal Fine Tex Assembly, Metal Cable Manager - 01U - Plastic Cable Loop's Mountable - Duscky Fine Tex. - Assembly with Power strip 06/13 Amp - 06 Socket with 2mtr cable, with lockable glass door, cable entries top & bottom	70.00	Mtr		
13		1.00	Each		
14	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit/Casing Capping with modular switch , modular plate, suitable GI box and earthing the point with 1.5 sq.mm, FR PVC insulated copper conductor single core cable etc as required.				
14.1	Group C	20.00	Points		
15	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required	16.00	Each		



16	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required				
16.1	8 Module (125mmX125mm)	4.00	Each		
17	SUPPLY of one number PVC insulated and PVC sheathed / XLPE 1.1 KV grade of following size AL power cable with all necessary test certificates.				
17.1	4 X 16 sq. mm	180.00	Mtr		
18	Supplying and making indoor end termination with brass compression gland and aluminum lugs for following size of PVC insulated and PVC sheathed /XLPE aluminum conductor cables of 1.1KV grade as required				
18.1	4 X 10 sq. mm (25mm)	2.00	Each		
18.2	4 X 16 sq. mm (28mm)	6.00	Each		
18.3	4 x 25 sq mm (28 mm)	2.00	Each		
18.4	3.5 C x 150 Sq mm (50 mm)	2.00	Each		
19	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing RCC/ HUME/ METAL pipe as required				
19.1	Upto 35 sq. mm	200.00	Mtr		
20	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 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))				
20.1	8 way (4+24) Double door	1.00	Each		
21	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "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.				
21.1	Single pole	12.00	Each		



22	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.			
22.1	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	60.00	Mtr	
	TOTAL			

Sign and Stamp of agency

Kuldevi
Executive Engineer

