



भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान पुणे
INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH
PUNE

(शिक्षा मंत्रालय, भारत सरकार की एक स्वायत्त संस्था)
(An Autonomous Institution Ministry of Education, Govt. of India)

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

आईआईएसईआर पुणे कैंपस, डॉ. होमी भाबा रोड, पुणे-411 008।

No: 54(2) /IISER/Pune/2023-24/ 201

Dated 10 / 11 / 2023

कोटेशन आमंत्रण सूचना

NOTICE INVITING QUOTATION

सीपीडब्ल्यूडी, महाराष्ट्र राज्य पीडब्ल्यूडी, रेलवे और एमईएस में से किसी के साथ पंजीकृत अनुमोदित और योग्य ठेकेदारों से 17/11/2023 को दोपहर 3.00 बजे तक नीचे उल्लिखित कार्य के लिए निदेशक, आईआईएसईआर पुणे की ओर से अधोहस्ताक्षरी द्वारा मुहरबंद कोटेशन आमंत्रित किए जाते हैं। विद्युत (बी एवं सी) कार्यों के लिए उपयुक्त श्रेणी में। कोटेशन उसी दिन अपराह्न 3.30 बजे खोली जाएंगी।

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 17/11/2023 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.

कार्य का नाम: - मुख्य भवन, आईआईएसईआर पुणे में लैब नंबर सीएफ 304 के लिए विद्युत वितरण प्रदान करना। इसे दे दो -

एजेंसी का नाम और पता -

NAME OF WORK: - Providing Electrical Distribution for Lab no CF 304 at Main Building, IISER Pune.

Issue to –
Name and address of the agency –

नियम और शर्तें:

1) आवेदक को विद्युत (बी एंड सी) कार्यों के लिए उपयुक्त श्रेणी में सीपीडब्ल्यूडी, महाराष्ट्र राज्य पीडब्ल्यूडी, रेलवे, एमईएस में से किसी के साथ अनुमोदित और पात्र ठेकेदार पंजीकृत होना चाहिए।

Stamp and Sign of Agency



- 2) आवेदक को कोटेशन के साथ कार्य आदेश या पूर्णता प्रमाण पत्र की प्रति के साथ ग्राहक विभाग से पिछले तीन वर्षों के भीतर पूरे किए गए कार्य के अनुभव प्रमाण पत्र की सत्यापित या नोटरीकृत प्रतियां जमा करनी चाहिए। न्यूनतम पात्रता मानदंडों को पूरा नहीं करने वाले बोलीदाताओं को सरसरी तौर पर अस्वीकार कर दिया जाएगा।
- 3) कार्य पूरा करने की समयावधि आईआईएसईआर पुणे द्वारा कार्य आदेश देने की तारीख से 30 दिन होगी। कोटेशन खुलने के बाद पीछे हटने का कार्य ऐसी एजेंसियों को आईआईएसईआर पुणे के भविष्य के कोटेशन में भाग लेने से रोक देगा। बोली लगाने वाला अपने प्रश्नों को Maintenance@iiserpune.ac.in पर ई-मेल कर सकता है या ऊपर बताए अनुसार कोटेशन जमा करने की तारीख से एक दिन पहले सभी कार्य दिवसों पर हार्ड कॉपी में IISER पुणे कार्यालय में जमा कर सकता है।
- 4) कोटेशन आमंत्रण सूचना (एनआईक्यू) दस्तावेज़ आईआईएसईआर पुणे से 121, इंजीनियरिंग अनुभाग, मुख्य भवन, आईआईएसईआर पुणे परिसर, डॉ. होमी भाभा रोड, पाषाण, पुणे - 411008 पर सभी कार्य दिवसों पर सुबह 10 बजे से शाम 4 बजे के बीच प्राप्त किया जा सकता है। जमा करने की तिथि। आवेदक IISER PUNE वेबसाइट <http://www.iiserpune.ac.in/links/tender-notices-and-eoi> से NIQ दस्तावेज़ प्राप्त करके कोटेशन जमा कर सकते हैं।
- 5) सभी एजेंसियों को अपना कोटेशन एक सीलबंद लिफाफे में हार्ड कॉपी में जमा करना होगा। ऊपर निर्दिष्ट तिथि और समय के बाद प्राप्त कोटेशन स्वीकार नहीं किया जाएगा। किसी भी देरी, डाक विलम्ब आदि पर विचार नहीं किया जाएगा। एजेंसी को बीओक्यू में सभी वस्तुओं के लिए उद्धरण देना चाहिए। बोली मूल बोली दस्तावेज़ (जैसा कि आईआईएसईआर, पुणे द्वारा जारी किया गया है) में काम का नाम लिखकर जमा की जाएगी। कार्यों में उद्धृत दरों को एल1 बोलीदाता के निर्णय के लिए अंतिम माना जाएगा। कोटेशन उसी दिन (17/11/2023) अपराह्न 3:30 बजे एजेंसी या उनके अधिकृत प्रतिनिधियों, यदि कोई हो, की उपस्थिति में खोले जाएंगे।
- 6) कोटेशन उसी दिन अपराह्न 3.30 बजे एजेंसी या उनके अधिकृत प्रतिनिधियों, यदि कोई हो, की उपस्थिति में खोले जाएंगे। एजेंसी का प्रस्ताव व्यावसायिक रूप से स्पष्ट होना चाहिए जिसमें एजेंसी द्वारा इस कोटेशन के सभी नियमों और शर्तों को स्वीकार किया जाना शामिल है। आईआईएसईआर पुणे बिना कोई कारण बताए कोटेशन को स्वीकार या अस्वीकार करने का अधिकार सुरक्षित रखता है।
- 7) किसी भी शर्त के साथ प्रस्तुत किए गए कोटेशन को सशर्त कोटेशन के रूप में माना जाएगा और आईआईएसईआर पुणे द्वारा सरसरी तौर पर खारिज कर दिया जाएगा।
- 8) उद्धृत दरों में सभी सामग्रियों की लागत, श्रम लागत, जीएसटी, सभी कर, चुंगी, शुल्क, नमूने की लागत और प्रयोगशालाओं में सामग्रियों के परीक्षण की फीस, रॉयल्टी आदि शामिल होनी चाहिए। अलग से कुछ भी अतिरिक्त भुगतान नहीं किया जाएगा। कोई भी बोलीदाता बोली खुलने के समय से कार्य आदेश जारी होने के समय तक अपनी बोली से संबंधित किसी भी मामले पर आईआईएसईआर पुणे से संपर्क नहीं करेगा। बोलीदाता द्वारा आईआईएसईआर के बोली मूल्यांकन, बोली तुलना या अनुबंध पुरस्कार निर्णयों को प्रभावित करने के किसी भी प्रयास के परिणामस्वरूप उसकी बोली को अस्वीकार किया जा सकता है।

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- 9) सभी स्वीकृत निर्माण बीओक्यू में निर्दिष्ट होंगे और सीपीडब्ल्यूडी विनिर्देशों के अनुसार, एजेंसी को तकनीकी डेटा रखना चाहिए और काम शुरू करने से पहले आईआईएसईआर पुणे की विभिन्न सामग्रियों के निर्माण पर पूर्व अनुमोदन प्राप्त करना चाहिए। सफल एजेंसी कार्य पूरा होने के मद्देनजर कार्य के लिए सभी उपकरणों और टैकल आदि की अपनी व्यवस्था स्वयं करेगी। एजेंसी को एक स्रोत पर बिजली निःशुल्क प्रदान की जाएगी, एजेंसी को स्रोत से कार्य स्थान तक बिजली के सुरक्षित दोहन की व्यवस्था स्वयं करनी होगी। आईआईएसईआर पुणे द्वारा कोई अग्रिम भुगतान नहीं किया जाएगा। उद्धृत दरें जीएसटी, टीडीएस और अन्य लागू करों सहित होनी चाहिए। काम के बिल से इनकम टैक्स और लेबर सेस काटा जाएगा।
- 10) बीओक्यू, नवीनतम सीपीडब्ल्यूडी विनिर्देश, आईएस विनिर्देशों और आईआईएसईआर पुणे के निर्देश के अनुसार किए जाने वाले कार्य के लिए विशिष्टता, जब भी विनिर्देश सीपीडब्ल्यूडी/आईएस विनिर्देश उपलब्ध नहीं हैं।
- 11) ठेकेदार यह सुनिश्चित करेगा कि श्रमिक और कर्मचारियों को श्रम कानूनों के अनुसार न्यूनतम मजदूरी का भुगतान किया जाना चाहिए। सभी आवश्यक सुरक्षा उपकरणों आदि के साथ कार्य के निष्पादन के दौरान निर्धारित मानदंडों के अनुसार एल1 एजेंसी द्वारा मापी गई सभी सुरक्षा का पालन किया जाएगा। निष्पादन एजेंसी सुरक्षा मानदंडों और संबद्ध मुआवजे आदि के सख्त पालन के लिए पूरी तरह से तकनीकी-व्यावसायिक रूप से जिम्मेदार होगी।
- 12) एजेंसी को काम पूरा होने के 30 दिनों के भीतर भुगतान के लिए आईआईएसईआर पुणे को माप और सार शीट जमा करनी चाहिए।
- 13) एजेंसी को कार्य के निष्पादन के दौरान सभी सुरक्षा उपायों का पालन करना चाहिए, कोई भी दुर्घटना होने पर एजेंसी की जिम्मेदारी होगी।

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.
- 2) 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** or completion certificate to along with the quotation. **Bidders not meeting the minimum eligibility criteria shall be summarily rejected.**
- 3) Time period for completion of work shall be **30** 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.

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- 4) 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>
- 5) All agencies need to submit their quotation in hard copy in a sealed envelope. Quotation received after the date and 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 the work. Rates quoted in the works shall be treated as final for deciding L1 bidder. Quotations will be opened on the same day (17/11/2023) at 3:30 PM in the presence of agency or their authorized representatives, if any..
- 6) 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.
- 7) Quotations submitted with any conditions shall be treated as conditional quotations and shall be summarily be rejected by IISER PUNE.
- 8) 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.
- 9) 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.

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- 10) 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.
- 11) The contractor shall ensure that minimum wages should be paid to the labour 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 solely techno-commercially responsible for the strict adherence of safety norms and allied compensations etc.
- 12) Agency should submit measurements and abstract sheets to IISER PUNE for the payments within 30 days from completion of work.
- 13) The agency should follow all safety measures during the execution of the work, any mishap that happens will be on the scope of the agency.

संलग्न:

1. बीओक्यू
2. स्वीकृत सूची बनाये

Encl :

1. BOQ
2. Approved Make list


अधीक्षण अभियंता
आईआईएसईआर पुणे

**Superintending Engineer,
IISER Pune**



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Schedule of Quantity : BOQ

Date : 10/11/2023

Name of the work : Providing Electrical distribution for Lab no CF 304 at Main Building, IISER Pune.

Sl.No	Description of Work / Item(s)	No.of Qty	Units	Rate In Rs. (In words & Figure)	Amount
1	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	10	NOS		
2	Supplying LT cable having copper conductor XLPE insulated sheathed,galvanised steel tape armoured cable with pvc outer sheathing 1.1 KV (Confirming to IS 7098 Part-II amended upto date as per the following sizes). Including the cost of all materials, labour, Handling of materials of equipment and machineries all lead lift, loading and unloading, transportation, if any other incidental charges at all level complete all as per specification and as directed by Engineer-in charge. 4 Core x 10 Sqmm Armoured Copper Cable.	180	RMT		
3	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on cable tray as required. Upto 35 sq. mm (clamped with 1mm thick saddle)	180	RMT		
4	END TERMINATION: Supply and installation of End termination of cables with compression brass cable glands, Al crimping type lugs should be used for Al cables and Cu lugs with soldering and ferrules for the following 1.1kv class Al./Cu. XLPE/PVC insulated using necessary crimping tool and all other accessories as required and Including the cost of all materials, labour, Handling of Materials of equipment and machineries all lead lift, loading and unloading, transportation, if any other incidental charges at all level complete all as per specification and as directed by Engineer-in charge. 4 Core x 10 Sqmm Armoured Copper Cable.	4	Each		





Sl.No	Description of Work / Item(s)	No.of Qty	Units	Rate In Rs. (In words & Figure)	Amount
5	FINAL DISTRIBUTION BOARDS. PART - C - DB's & MCB's : Supply, Installation, Testing and Commissioning of all MCB Distribution Boards (10KA) 415V, made out of 16SWG MS sheet steel enclosure hinged MS cover/over flanged cover (double door) with cutouts for operating the MCB knobs and comprising of phase bus bars, neutrals and earth bus with tapped holes, bakelite phase barriers, pvc insulator shoes for incoming wire, etc complete. DB's shall be mounted by grouting in to the wall/angle to brick wall as required. DB's shall be suitable for Three Phase / single phase loads. Or DB's shall be mounted on suitable M.S. angle and supporting flat. DB's shall include termination lugs etc., all complete. (Note: Local fabrication not permitted. Only factory made boxes shall be installed and all MCB's shall be with 10 KA rating)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 tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCBs (but without MCBs and incomer) as required 4 way (4 + 18), Double door for UPS DB	1	NOS		
6	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) * 8 way double door	1	NOS		
7	Supplying fixing and wiring Current Operated RCBOs,240V/415V 50Hz with 10KA short circuit with standing capacity 25amps. double pole, 30/100mA, and Including the cost of all materials, labour, HANDLING OF MATERIALS of equipment and machinery all lead lift, loading etc, complete.RCBO 63 A, 4P, 100 mA	1	NOS		
8	Supplying fixing and wiring Current Operated RCBOs,240V/415V 50Hz with 10KA short circuit with standing capacity 25amps. double pole, 30/100mA, and Including the cost of all materials, labour, HANDLING OF MATERIALS of equipment and machinery all lead lift, loading etc, complete.RCBO 32/40 A 4P, 30mA	1	NOS		

Sl.No	Description of Work / Item(s)	No.of Qty	Units	Rate In Rs. (In words & Figure)	Amount
9	Supplying fixing and wiring Current Operated RCBOs,240V/415V 50Hz with 10KA short circuit with standing capacity 25amps. double pole, 30/100mA, and Including the cost of all materials, labour, HANDLING OF MATERIALS of equipment and machinery all lead lift, loading etc, complete.RCBO 32/40A, DP, 30mA	12	NOS		
10	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	12	NOS		
11	Supplying and fixing TPN sheet steel enclosure on surface/ recess without MCB complete with connections, testing and commissioning etc. as required.	12	NOS		
12	PVC RACEWAYS (Along the wall) DLP U- PVC adaptable trunking : 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 and tees,minor civil works if any etc, Complete. (For every 1mtr distance cable tag has to be provided for each circuit in the raceways - as more that 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 105x 50mm PVC Raceways	30	RMT		
13	Supplying and fixing following Modular socket on the existing raceways & PVC DLP trunking with required accessories to complete jobs, including connections, as required. . 6 Pin 15/16 amp universal amp socket outlet	10	NOS		



Sl.No	Description of Work / Item(s)	No.of Qty	Units	Rate In Rs. (In words & Figure)	Amount
14	Supplying and fixing following Modular switch / socket on the existing raceways & PVC DLP trunking with required accessories to complete jobs. including connections, as required including connections, as required. . 3 Pin 5/6 amp socket outlet	22	NOS		
15	Supplying and fixing following Modular switch / socket on the existing raceways & PVC DLP trunking with required accessories to complete jobs. including connections, as required including connections, as required. . 15/16 amp switch	10	NOS		
16	Supplying and fixing following Modular switch / socket on the existing raceways & PVC DLP trunking with required accessories to complete jobs. including connections, as required including connections, as required. . 5/6 amp switch	22	NOS		
17	Supplying and fixing following Modular switch / socket on the existing raceways & PVC DLP trunking with required accessories to complete jobs. including connections, as required including connections, as required. . 6 Module Box with faceplate & cover	20	NOS		
18	Supplying and fixing following Modular switch / socket on the existing raceways & PVC DLP trunking with required accessories to complete jobs. including connections, as required including connections, as required. . 4 Module Box with faceplate & cover	5	NOS		
19	Light Point Wiring : 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	6	Point		





Sl.No	Description of Work / Item(s)	No.of Qty	Units	Rate In Rs. (In words & Figure)	Amount
20	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 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	60	RMT		
21	POWER SWITCHES / SOCKETS on walls - G.I. BOX. : Supplying and fixing following size / modules, GI box along with modular base and cover plate for modular switches in recess etc, as required. (The job includes cutting & chasing existing wall, fixing the box in position as required including rough plastering.) (In all the rooms, vertical drops of conduits and switch boxes shall be concealed in the wall). Boxes should be of same make as that of modular accessories. :6 Module	3	Nos		
22	LIGHT CIRCUIT WIRING : Wiring for circuit / submain wiring in concealed pipe below false ceiling (by chieseling the wall and covering with chicken mesh with rough plastering) / surface mounted. Including ISI mark PVC Conduit with 25mm Dia of 2mm thick with PVC insulated FRLS single core wires with colour code of following: 2 x 2.5 sqmm + 1 x2.5 sqmm earth wire.	50	RMT		
23	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	220	RMT		



Sl.No	Description of Work / Item(s)	No.of Qty	Units	Rate In Rs. (In words & Figure)	Amount
24	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 IS10322. 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	6	Nos		
25	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 in metal / false ceiling for required cut out is in scope of agency.	6	Nos		
26	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	60	RMT		
27	Supplying and drawing of UTP 4 pair CAT 6 LAN Cable in the existing surface/ recessed Steel/ PVC conduit as required. 2 run of cable	30	RMT		
28	Supplying and drawing of UTP 4 pair CAT 6 LAN Cable in the existing surface/ recessed Steel/ PVC conduit as required. 3 run of cable	140	RMT		



Sl.No	Description of Work / Item(s)	No. of Qty	Units	Rate In Rs. (In words & Figure)	Amount
29	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) 40 MM	70	RMT		
30	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	60	RMT		
31	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. Nothing extra shall be paid separately.	6	Nos		
32	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.	6	nos		
33	Supply of 2meter length cat 6 patch cord with Rj 45 terminations on both ends as complete.	6	nos		
34	Supply, installation, testing and commissioning of Chemical earthing using electrode of size 76 mm minimum diameter, minimum 03 meter long and connected with 50x5 mm copper internal strip, material of construction COPPER, complete with existing excavation / bore, civil work for chamber, cast iron cover size 450 x 450 mm, with backfill compound as required to fill earth pit up to mark. the earth resistance shall be as per IS 3043	1	Set		

Sl.No	Description of Work / Item(s)	No.of Qty	Units	Rate In Rs. (In words & Figure)	Amount
35	Providing boring / drilling bore well of 150mm dia for casing / strainer pipe , by suitable method, including drilling in all strata, including hiring & running charges of all equipments, tools, plants and machinenaries required for the job, all complete as per direction of Engineer in charge.	4	Meter		
36	Supplying LT cable having copper conductor XLPE insulated sheathed,galvanised steel tape armoured cable with pvc outer sheathing 1.1 KV (Confirming to IS 7098 Part-II amended upto date as per the following sizes). Including the cost of all materials, labour, Handling of materials of equipment and machineries all lead lift, loading and unloading, transportation, if any other incidental charges at all level complete all as per specification and as directed by Engineer-in charge. 1 C X 70 sqmm copper flexible cable	50	RMT		
Total in words : Rs.				Total Amount in Rs.	

टिप्पणी: / Note :

दरों में सभी कर, श्रम और परिवहन आदि शामिल हैं। / Rates are including all taxes, labour and Transport etc. प्रतिशत दर हस्तलिखित पेन पर ही भरें। डिजिटल रूप से भरा गया BOQ अस्वीकृति के अधीन है।

Fill the percentage rate on handwritten pen only. Digital Filled BOQ subjects to rejection.

अधीक्षण अभियंता / Superintending Engineer
आईआईएसईआर पुणे / IISER Pune



Electrical

Approved Make List :

Annexure A

Sr.No.	Material	Make
1	Instrument Transformer LT CT & PT	Kappa Kalpa Voltamp
2	Analog LT meters	Rishab AE L&T
3	Digital LT meter	AE Conzerv L&T
4	Indicating Lamps	GE Teknic L&T
5	PLC/Digital Load Monitor / Power Monitor	Allen Bradley DIEF Comamp
6	Panel Accessories / Terminal Block	Dirak Elamx Wago
7	Timers digital & Analog	L&T Minilec Siemens
8	TVSS	Schneider ABB Emerson
9	Cable Terminating Kits	Raychem 3M CCI
10	Earthing / Chemical Earthing	Yash Earthing True Power Fast Electrode Maxwell Earthing
11	MV Switch boards (LT Panels)	CPRI Approved agency
12	Mounded Case Circuit Breaker / ACB	Schneider L&T Legrand
13	MCB Distribution Board	Legrand Schneider L&T MK
14	Miniature Circuit Breaker	MK Legrand Schneider



15	RCCB / RCBO / ELCB	MK
		Legrand
		Schneider
16	Earth Leakage Relay	MK
		Legrand
		Schneider
17	LT Cables (XLPE)	Polycab
		Finox
		RR Kabel
18	PVC insulated copper wire FRLS	Polycab
		Finolex
		RR Kabel
19	Cable Galnds	Dowells
		CI
		Electrowerke
20	PVC Rigid Conduits	Precision
		Diamond
		Modi
21	M S Conduits	BEC
		BI
		GB
22	Modular Switches, Sockets, Plug etc. and related accessories	Legrand
		Honeywell MK EVO
23	Ceiling Rose / Holders	Anchor
		MK
		Legrand
24	Light Fitting, flurorescent CFL / GLs	Wipro
		Crompton
		Philips
25	LED Light Fitting	Wipro
		Crompton
		Philips
26	Ceiling Fan	Crompton
		Bajaj
		Usha
		Havells
27	Exhaust Fans	Almonard
		Bajaj
		Crompton
28	Telephone Cables	Finolex
		Polycab
		KEI
29	Telephone Sockets (Suitable to mount on Legrand / Honeywell DLP trnking metal / PVC boxes etc)	Anchore
		MK
		D link
30	Terminal Junction Boxes	Elmex
		Diamond'



31	Power Socket Industrial type	Legrand
		MK EVO
		Schneider
32	TV outlet	Anchor
		Legrand
		MK EVO
33	Cable Trays	Storrax
		Skaber
		Profab
34	Metallic raceways / Aluminium raceways	Storrax
		Skaber
		Profab
35	PVC raceways / PVC DLP trunking	Legrand
		MK Honeywell
36	Surface / Recess mounted FTL fixtures	Philips
		Wipro
		Crompton
37	Recess mounted down lighter	Philips
		Wipro
		Crompton
38	Wall mounted luminaire	Philips
		Wipro
		Crompton
39	Data cable - CAT -6 / OFC	D link
		Legrand
		Polycab
40	External light fittings / Garden light fittings	Wipro
		Klite
		Bajaj
41	Full loaded patch panels	D link
		RR Kabel
		Netgear
42	Data Patch cords	D link
		RR Kabel
		Netgear
43	LT FRLS armoured cable for FAS System	Finolex
		RR Kabel
		Polycab
44	Water heater / Thermostat	Hotmax
		Bharat
45	Lifts	Kone
		Johnson
		Schneider
46	BLDC fan	Atom berg
		Usha
		Crompton
		Novatuer



47	UPS	Eaton
		Vertive
48	SMF battery	Quanta
		Amarraja
		Exide
49	Isolation Transformer	Novatuer
		Krykard
		Neelkanth
50	Fire alarm Addressable control panel	Honeywell Notifier
		Ravel
		Eaton
51	Addressable Smoke Detector	Honeywell Notifier
		Ravel
		Eaton
52	Addressable Heat Detector	Honeywell Notifier
		Ravel
		Eaton
53	Addressable Strobe Cum Sounder	Honeywell Notifier
		Ravel
		Eaton
54	Addressable Hooter	Honeywell Notifier
		Ravel
		Eaton
55	Addressable Manual Call Point	Honeywell Notifier
		Ravel
		Eaton
56	Addressable Control Unit	Honeywell Notifier
		Ravel
		Eaton
57	Addressable Relay unit	Honeywell Notifier
		Ravel
		Eaton
58	Addressable Monitor	Honeywell Notifier
		Ravel
		Eaton

.- END -

