

INDIAN INSTITUTE OF TECHNOLOGY JODHPUR  
NH-62 NAGAU ROAD KARWAR JODHPUR

Index of Tender documents

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This tender document contains pages One to Fifty-Six Only.

NIT Amounting to Rs. 61,65,475.00 (Rupees Sixty-One Lakh Sixty-Five Thousand Four Hundred Seventy-Five Only)

Superintending Engineer  
IIT Jodhpur

**NOTICE INVITING E-TENDERS**

Superintending Engineer, Indian Institute of Technology Jodhpur invites online **Percentage Rate Tender** from Firms/ Contractors for the following work:

1. NIT No : **IITJ/OIE/2026-27/11.**
2. Name of Work : **Annual Repair and Maintenance of Complete Substations (33/11 kv & 11/0.415 kv) including all Transformer, LT Panel, HT Panel, RMU, feeder panel etc. for one-year at IIT Jodhpur Campus.**
3. Sub Head : **Electrical Work.**
4. Estimated cost : **Rs. 61,65,475.00**
5. Earnest money : **Rs. 1,23,310.00**
6. Tender Fee : **Rs. 1000.00**
7. Period of completion : **01 Year.**
8. Last time & date of submission of bid: **03/07/2026 up to 3:00 pm (on line)**

The bid forms and other details can be obtained from the website <http://www.iitj.ac.in> or <http://eprocure.gov.in/eprocure/app> free of cost. For more clarification you may visit on above website.

**Superintending Engineer  
IIT Jodhpur**

**Copy to: -**

1. DOIP
2. ADEI
3. Executive Engineer (Civil)
4. Assistant Executive Engineer (Electrical-I)
5. AR (Accounts)
6. Office Copy

**INDIAN INSTITUTE OF TECHNOLOGY JODHPUR**  
**NH-62 NAGAU ROAD KARWAR JODHPUR**

**INFORMATION AND INSTRUCTIONS FOR BIDDERS FOR e-TENDERING (Tender Notice)**

*Superintending Engineer, IIT Jodhpur* invite online **Percentage Rate Tender** on two bid systems through CPP Portal from Firms/ Contractors for the following work:

S. No.	NIT No.	Name of Work	Estimated Cost (in Rs.)	Earnest Money (in Rs.)	Tender Fees (in Rs.)	Time for completion
1	IITJ/OIE/2026-27/11.	Annual Repair and Maintenance of Complete Substations (33/11 kv & 11/0.415 kv) including all Transformer, LT Panel, HT Panel, RMU, feeder panel etc. for one-year at IIT Jodhpur Campus. Sub Head: - Electrical Work	Rs. 61,65,475.00	Rs. 1,23,310.00	Rs. 1000/-	01 Year.

**Last date and time of submission of financial & Technical bid :- 03/07/2026 upto 3:00 pm (on line)**

**Date and time of opening of Online Technical bid :- 03/07/2026 at 3:00 pm**

**Price/Financial bids of eligible bidders as per NIT shall be opened at a later date after scrutiny of technical bids.**

- The successful bidder shall be required to submit a Performance Guarantee (PG) of 5% of the tendered amount or Estimated Cost Put to Tender (ECPT), whichever is higher, in the form of Bank Guarantee or F.D.R. from a Nationalized/Scheduled Bank within 07 days of issue of Letter of Intent before award of work. In case the contractor fails to deposit the Performance Guarantee within the specified period, full earnest money shall be forfeited and the tender shall be treated as void. The Performance Guarantee shall remain valid initially up to the stipulated date of completion plus 06 months beyond.

Further, if the quoted bid amount is less than 80% of the Estimated Cost Put to Tender (ECPT), the bidder shall also be required to submit an Additional Performance Guarantee (APG) in addition to the normal Performance Guarantee. The amount of APG shall be equal to the difference between 80% of ECPT and the quoted bid amount. The APG shall be submitted in the same form and within the same prescribed period as applicable for the Performance Guarantee, and the terms and conditions regarding validity, release, forfeiture, etc. shall be same as that of the Performance Guarantee.

- Contractors who fulfill the following requirements shall be eligible to apply. Joint ventures are not accepted.

Firms/contractors must have completed similar works satisfactorily under Government organization/ Public Sector Undertaking / Autonomous bodies only.

- One similar single electrical work amounting to Rs. 49,32,380.00

Or

- Two similar electrical work and each single work amounting to Rs. 36,99,285.00

Or

- Three similar electrical work and each single work amounting to Rs.24,66,190.00

Works completed during last 7 years ending on the last date of submission of Bid.

- iv) **Earnest money and Tender fee** in the form of Demand Draft or pay order or Banker's Cheque or Deposit at Call Receipt (drawn in favour of Director IIT Jodhpur,) as specified of any scheduled / Nationalized Bank or online payment through RTGS/NEFT as **per details given in the NIT.**

3. The intending bidder must read the terms and conditions of IITJ/CPWD-6 carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.
4. No exemption for submission of EMD/experience of work shall be allowed for MSME.
5. No relaxation in EMD will be allowed for MSME and MSEs as per CPWD works manual.
6. Information and Instructions for bidders posted on website shall form part of bid document.
7. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from website <http://eprocure.gov.in/eprocure/app> in free of cost.
8. **Completion certificates issued by an officer not below the rank of Executive Engineer or equivalent level shall be considered.**
  - **Similar work means "Electrical work".**
9. The value of executed work shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum calculated from the date of completion to last date of submission of financial bid.
10. IIT Jodhpur is committed to follow the principle of transparency, equity and competitiveness in public procurement. Before submission of bid each bid should sign integrity pact at respective places and submit the bid, if duly signed integrity pact is not submitted by bidder such bid shall not be considered.
11. Those contractors not registered on CPP Portal are required to get registered beforehand. If needed they can be imparted training on online bidding process as per details available on the website
12. The intending bidder must have valid class-III digital signature to submit the bid.
13. On opening date, the contractor can login and see the bid opening process. After opening the bids, he will receive the competitor's bid sheets.
14. Contractors can upload documents in the form of JPG format and PDF format.
15. Contractor must ensure to quote rate of each item, while selecting any of the cells a warning appears that if any cell is left blank the same shall be treated as "0". Therefore, if any cell is left blank and no rate is quoted by the bidder, rate of such item shall be treated as "0" (ZERO).
16. The department reserves the right to reject any prospective application without assigning any reason and to restrict the list of qualified contractors to any number deemed suitable by it, if too many bids are received satisfying the laid down criterion.
17. In e-Tendering intending bidder can quote his rates in figures only. The rates in words, amount of each item and total is generated automatically. Therefore, the rate quoted by the bidder in figures is to be taken as correct.
18. The bid can only be submitted after uploading the mandatory scanned documents such as **Demand Draft or Fixed Deposit Receipts** or through **RTGS / NEFT** towards Tender Fee and EMD (if applicable) in favour of **Director, I.I.T. Jodhpur** or to be deposited with <http://eprocure.gov.in/eprocure/app/> NEFT facility.
 

For online payment through RTGS/NEFT IIT Jodhpur Bank details are as below:

Name of Bank A/C	:	Revenue Account IIT Jodhpur
Account No.	:	3399101000631
IFSC Code	:	CNRB0003399
MICR Code	:	342015501
Name of Bank & Branch	:	Canara Bank & IIT Jodhpur.
19. The EMD in original shall be deposited by the lowest tenderer within a week after opening of financial bid failing which the tender shall be rejected.
20. Certificate of work experience and other documents as specified in the notice inviting tender shall be scanned and uploaded to the e-Tendering website within the period of bid submission. However, certified / original copy of all the scanned and uploaded documents as specified in web notice may be verified by the institute.

**21. The bid submitted shall become invalid if:**

- i. The bidder does not upload all the documents (including GST registration) as stipulated in the bid document.
  - ii. The lowest bidder does not deposit original EMD declaration within a week of opening of tender.
  - iii. In the event of tender being submitted by a firm, it must be signed separately by each partner thereof or in the event of the absence of any partner, it must be signed on his behalf by a person holding a power of attorney authorizing him to do so, such power of attorney to be produced with the tender, and it must disclose that the firm is duly registered under the Indian Partnership Act 1932, above not submitted.
22. Bid validity shall be 90 days after opening of bids.

**23. List of Documents to be scanned and uploaded within the period of bid submission:**

- i. Affidavit (on Rs. 10 non-judicial stamp with notarized) regarding establishment of proprietorship firm/ partnership deed/ letter of incorporation for private ltd/ ltd firm with written power of attorney (in case of bidder is owner, not required) of authorized signatory.
- ii. Proof of deposit of Tender Fee and EMD.
- iii. Attested copy of work experience certificate.
- iv. Attested copy of valid PAN, GSTIN Registration.
- v. Attested copy of up to date filed return of GST.
- vi. Affidavit as per Notice Inviting Tender Condition 1.3 of IITJ/CPWD-6 FOR e-TENDERING.
- vii. Acceptance to execute Integrity Pact.
- viii. FORM "F" (Duly filled with all relevant required details).
- ix. Electrical Contractor License.
- x. Compliance sheet as per Annexure-I.
- xi. List of Govt Organization as per Annexure-II

**FORM-F****STRUCTURE & ORGANISATION**

1. Name & Address of the bidder:
2. Telephone no./ Phone no./ Fax no.:
3. E-mail:
4. Contact Person No.:
5. GST No.:
6. PAN No.:
7. Tender Fee (UTR No.):  
(In case of on-line payment of Tender Fee)
8. EMD (UTR No.)  
(In case of on-line payment of Tender Fee):
9. Legal status of the bidder (attach copies of original document defining the legal status):
  - a. An Individual
  - b. A proprietary firm
  - c. A firm in partnership
  - d. A limited company or corporation
5. Designation of individuals authorized to act for the organization.....!
6. Has the bidder or any constituent partner in case of partnership firm, ever abandoned the awarded work before its completion? If so, give name of the project and reasons for abandonment.....!
7. Has the bidder or any constituent partner in case of partnership firm, ever been debarred/ blacklisted for tendering in any organization at any time? If so, give details.....!
8. Has the bidder, or any constituent partner in case of partnership firm, ever been convicted by the court of law? If so, give details.....!

Signature of Bidder/Tenderer

**INDIAN INSTITUTE OF TECHNOLOGY JODHPUR**  
**NH-62 NAGAUR ROAD KARWAR JODHPUR**

**Notice Inviting Tender**

**Terms & Conditions**

Indian Institute of Technology Jodhpur is in the process of purchasing following item(s) as per details as given as under.

<b>Details of the item</b>	<b>As per Tender Notice</b>
<b>Earnest Money Deposit to be submitted</b>	<b>As per Tender Notice</b>
<b>Warranty</b>	<b>As per Tender Notice, NIT &amp; IITJ/CPWD form 7/8</b>
<b>Performance security</b>	<b>As per Tender Notice, NIT &amp; IITJ/CPWD form 7/8</b>

Tender Documents may be downloaded from Central Public Procurement Portal <http://eprocure.gov.in/eprocure/app>. Aspiring Bidders who have not enrolled / registered in e-procurement should enroll / register before participating through the website <http://eprocure.gov.in/eprocure/app>. The portal enrolment is free of cost. Bidders are advised to go through instructions provided at 'Instructions for online Bid Submission'.

Tenderers can access tender documents on the website (For searching in the NIC site, kindly go to Tender Search option and type 'IIT'. Thereafter, Click on "GO" button to view all IIT Jodhpur tenders). Select the appropriate tender and fill them with all relevant information and submit the completed tender document online on the website <http://eprocure.gov.in/eprocure/app> as per the schedule given in the next page.

No manual bid will be accepted. All quotes (both Technical and Financial should be submitted in the E-procurement portal).

**Schedule**

Name of Organization	Indian Institute of Technology Jodhpur.
Tender Type (Open/Limited/EOI/Auction/Single)	Open.
Tender Category (Services/Goods/works)	Works.
Type/Form of Contract (Work/Supply/ Auction/Service/Buy/Empanelment/ Sell)	Works.
Product Category (Civil Works/Electrical Works/Fleet Management/ Computer Systems)	Electrical.
Source of Fund (Institute/Project)	Institute Recurring Budget.
Is Multi Currency Allowed	No
Date of Issue/Publishing	12/06/2026
Document Download/Sale Start Date	12/06/2026
Document Download/Sale End Date	03/07/2026
Date for Pre-Bid Conference	Nil.
Venue of Pre-Bid Conference	N/A.
Last Date and Time for Uploading of Bids	<b>As per Tender Notice.</b>
Date and Time of Opening of Technical Bids	<b>As per Tender Notice.</b>
Tender Fee (as per tender notice)	In the form of Demand Draft or Fixed Deposit Receipts or term deposit or <b>through RTGS / NEFT</b> (for online payment, IIT Jodhpur Bank account details are as under):
EMD (as per tender notice)	Name of the Bank A/C: Revenue Account, IIT Jodhpur. Canara Bank A/C No. : 3399101000631. Name of the Bank : Canara Bank IIT Jodhpur. IFSC Code : CNRB0003399. MICR Code : 342015501.
No. of Covers (1/2/3/4)	<b>02 (Technical and Financial).</b>
Bid Validity days	<b>90 days (From the date of opening of bids)</b>
Address for Communication	<b>Assistant Executive Engineer, Office of Infrastructure, W-1 Berm, IIT Jodhpur.</b>
Contact No.	<b>0291-2801054.</b>
Fax No.	Nil.
Email Address	<b>oie@iitj.ac.in</b>

## **Instructions for Online Bid Submission:**

As per the directives of Department of Expenditure, this tender document has been published on the Central Public Procurement Portal ([URL:http://eprocure.gov.in/eprocure/app](http://eprocure.gov.in/eprocure/app)). The bidders are required to submit soft copies of their bids electronically on the CPP Portal, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP Portal.

More information useful for submitting online bids on the CPP Portal may be obtained at:

<http://eprocure.gov.in/eprocure/app>

### **REGISTRATION**

- 1) Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal ([URL:http://eprocure.gov.in/eprocure/app](http://eprocure.gov.in/eprocure/app)) by clicking on the link "Click here to Enroll". Enrolment on the CPP Portal is free of charge.
- 2) As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
- 3) Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.
- 4) Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class II or Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / TCS / nCode / eMudhra etc.), with their profile.
- 5) Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSCs to others which may lead to misuse.
- 6) Bidder then logs in to the site through the secured log-in by entering their userID / password and the password of the DSC / eToken.

### **SEARCHING FOR TENDER DOCUMENTS**

- 1) There are various search options built in the CPP Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, organization name, location, date, value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as organization name, form of contract, location, date, other keywords etc. to search for a tender published on the CPP Portal.
- 2) Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. These tenders can be moved to the respective 'My Tenders' folder. This would enable the CPP Portal to intimate the bidders through SMS / e-mail in case there is any corrigendum issued to the tender document.
- 3) The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the Helpdesk.

### **PREPARATION OF BIDS**

- 1) Bidder should take into account any corrigendum published on the tender document before submitting their bids.
- 2) Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid

<https://www.iitj.ac.in/Tenders>

documents have to be submitted, the number of documents - including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.

- 3) Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF / XLS / RAR / DWF formats. Bid documents may be scanned with 100 dpi with black and white option.
- 4) To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use "My Space" area available to them to upload such documents. These documents may be directly submitted from the "My Space" area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

### **SUBMISSION OF BIDS**

- 1) Bidder should log into the site well in advance for bid submission so that he/she upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
- 2) The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
- 3) Bidder has to select the payment option as "on-line" to pay the tender fee / EMD as applicable and enter details of the instrument. Whenever, EMD / Tender fees are sought, bidders need to pay the tender fee and EMD separately on-line through RTGS or scan copy of original demand draft (Refer to Schedule, Page No.2).
- 4) A standard BoQ format has been provided with the tender document to be filled by all the bidders. Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. Bidders are required to download the BoQ file, open it and complete the white coloured (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BoQ file is found to be modified by the bidder, the bid will be rejected.

OR

In some cases, Financial Bids can be submitted in PDF format as well (in lieu of BOQ).

- 5) The server time (which is displayed on the bidders' dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.
- 6) All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128 bit encryption technology. Data storage encryption of sensitive fields is done.
- 7) The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
- 8) Upon the successful and timely submission of bids, the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.
- 9) Kindly add scanned PDF of all relevant documents in a single PDF file of compliance sheet.

**ASSISTANCE TO BIDDERS**

1. Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender.
2. Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk. The contact number for the helpdesk is 1800 233 7315.

**General Instructions to the Bidders**

- 1) The tenders will be received online through portal <http://eprocure.gov.in/eprocure/app> . In the Technical Bids, the bidders are required to upload all the documents in .pdf format.
- 2) Possession of a Valid Class II/III Digital Signature Certificate (DSC) in the form of smart card/e-token in the company's name is a prerequisite for registration and participating in the bid submission activities through <https://eprocure.gov.in/eprocure/app>. Digital Signature Certificates can be obtained from the authorized certifying agencies, details of which are available in the web site <https://eprocure.gov.in/eprocure/app> under the link "Information about DSC".
- 3) Tenderer are advised to follow the instructions provided in the 'Instructions to the Tenderer for the e-submission of the bids online through the Central Public Procurement Portal for e Procurement at <https://eprocure.gov.in/eprocure/app>.

**GENERAL INSTRUCTIONS**

Tenders have been invited on the basis of standard Forms 7/8 and General Conditions of contract for the work in Central Public Works Department (CPWD). However, in the contact of IIT Jodhpur, the following terms may be read as:

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<b>S. No.</b>	<b>As per Standard Forms</b>	<b>To be read as</b>
I	President of India	Director, IIT Jodhpur
II	Government of India	Indian Institute of Technology Jodhpur
III	Central Public Works Departments	Office of Infrastructure Engineering, IIT Jodhpur
IV	Chief Engineer, CPWD	Dean of Infrastructure Planning, IIT Jodhpur
V	Circle Office	Office of Infrastructure Engineering, IIT Jodhpur

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Superintending Engineer  
Office of Infrastructure Engineering.

**Terms & Conditions Details**

S. No.	Specification
1.	<b>Due date:</b> The tender has to be submitted online before the due date. The offers received after the due date and time will not be considered. No manual bids will be considered.
2.	<b>Preparation of Bids:</b> The offer/bid should be submitted in two bid systems (i.e.) Technical bid and financial bid. The technical bid should consist of all technical details along with commercial terms and conditions. Financial bid should indicate item wise price for the items mentioned in the technical bid in the given format i.e BOQ_XXXX. OR Financial Bids to be submitted in Excel. The Technical bid and the financial bid should be submitted online.
3.	<b>EMD (if applicable):</b> As per NIT
4.	<b>Refund of EMD:</b> As per NIT
5.	<b>Opening of the tender:</b> As per Tender Notice, NIT & IITJ/CPWD form 7/8
6.	<b>Acceptance/ Rejection of bids:</b> The Committee reserves the right to reject any or all offers without assigning any reason.
7.	<b>Pre-qualification criteria:</b> Mentioned in Tender notice
8.	<b>Performance Security:</b> Mentioned in Tender notice
9.	<b>Force Majeure:</b> As per IITJ/CPWD form 7/8
10.	<b>Risk &amp; Cost Clause:</b> As per IITJ/CPWD form 7/8
11.	<b>Delivery and Documents:</b> As per Tender Notice & NIT & IITJ/CPWD form 7/8
12.	<b>Delayed delivery:</b> As per Tender Notice & NIT & IITJ/CPWD form 7/8
13.	<b>Prices:</b> As per Tender Notice & NIT & IITJ/CPWD form 7/8
14.	<b>Progress of Work:</b> As per Tender Notice & NIT & IITJ/CPWD form 7/8
15.	<b>Inspection and Tests:</b> As per Tender Notice & NIT & IITJ/CPWD form 7/8
16.	<b>Resolution of Disputes:</b> As per Tender Notice & NIT & IITJ/CPWD form 7/8
17.	<b>Applicable Law:</b> As per Tender Notice & NIT & IITJ/CPWD form 7/8
18.	<b>Supplier Integrity:</b> As per Tender Notice & NIT & IITJ/CPWD form 7/8
19.	<b>Training:</b> As per Tender Notice & NIT & IITJ/CPWD form 7/8
20.	<b>Installation &amp; Demonstration:</b> As per Tender Notice & NIT & IITJ/CPWD form 7/8
21.	<b>Incidental services:</b> As per Tender Notice & NIT & IITJ/CPWD form 7/8
22.	<b>Defect liability Period:</b> As per Tender Notice & NIT & IITJ/CPWD form 7/8
23.	<b>Governing Language:</b> As per Tender Notice & NIT & IITJ/CPWD form 7/8
24.	<b>Applicable Law:</b> As per Tender Notice & NIT & IITJ/CPWD form 7/8
25.	<b>Notices:</b> As per Tender Notice & NIT & IITJ/CPWD form 7/8
26.	<b>Taxes:</b> As per Tender Notice & NIT & IITJ/CPWD form 7/8
27.	<b>Termination for Default:</b> As per Tender Notice & NIT & IITJ/CPWD form 7/8
28.	<b>Disputes and Jurisdiction:</b> As per Tender Notice & NIT & IITJ/CPWD form 7/8
29.	<b>Completion certificate:</b> As per Tender Notice & NIT & IITJ/CPWD form 7/8

## COMPLIANCE SHEET

S. No.	Technical Bid Requirement As per Tender Notice & NIT & IITJ/CPWD form 7 (Duly attested)	Compliance Y/N
1	Tender Fee.	
2	EMD Deposition.	
3	Experience Certificate.	
4	PAN Card and GSTIN Registration.	
5	Up to date filed return of GST.	
6	Affidavit as per Notice Inviting Tender Condition 1.3 at page 16 of NIT.	
7	INTEGRITY PACT Acceptance.	
8	FORM-F (duly filled with all required details).	
9	Electrical contractor License.	
10	Affidavit as per Notice Inviting Tender Condition 23(i) at page 5 of NIT.	
11	List of Govt. Organization as per Annexure-II	
12	BOQ	

I have also enclosed all relevant documents in support of my claims, (as above) in the following pages.

**Signature of Bidder**

**Name:** \_\_\_\_\_

**Designation:** \_\_\_\_\_

**Organization Name:** \_\_\_\_\_

**Contact No. :** \_\_\_\_\_



**IITJ/CPWD -6 FOR e-TENDERING**

Percentage rate tenders are invited from contractors/firms engaged in the field of Electrical work in appropriate category for the work as per tender notice.

1. The contractor should have valid electrical contractor license on the last date of submission of tenders. In case the last date of submission of tender is extended, the Electrical contractor license should be valid on the original date of submission of tenders.
- 1.1 The work is estimated to cost as per tender notice. This estimate, however, is given merely as a rough guide.
- 1.2 Details of criteria for eligibility as Indicated in "INFORMATION AND INSTRUCTIONS FOR CONTRACTORS FOR e-TENDERING FORMING PART OF NIT AND TO BE POSTED ON WEBSITE"
- 1.3 To become eligible for issue of tender, the tenderer shall have to furnish an affidavit.
  - (i) Affidavit shall be purchased / notarized on or after NIT published date but on or before last date of submission of NIT.
  - (ii) Affidavit must have "NIT/tender reference number" and "Name of work" and shall be used once for each fresh tender.  
No back dated affidavit shall be entertained and non-compliance of point (i) & (ii) shall lead to rejection of the tender.

Affidavit should be as mentioned under: -

**"I/We undertake and confirm that eligible similar works(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I/we shall be debarred for tendering in IIT Jodhpur in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee." (Scanned copy to be uploaded at the time of submission of bid)**

2. Agreement shall be drawn with the successful bidders on prescribed Form No. IITJ/CPWD form No. 7 (or other standard form as mentioned), which is available as a Govt. of India Publication. Bidders shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.
3. The time allowed for carrying out the work will be **as per tender notice** from the date of start as defined in schedule 'F' or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the tender documents.
4. The site for the work is available.
5. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents except Standard General Conditions of Contract Form can be seen from the web Site <http://eprocure.gov.in/eprocure/app> or [iitj.ac.in](http://iitj.ac.in) or [e-procure.gov](http://e-procure.gov) **free** of cost.
6. After submission of the bid the contractor can re-submit revised bid any number of times but before last time and date of submission of tender as notified.
7. While submitting the revised bid, contractor can revise the rate of one or more item(s) any number of times (he need not re-enter rate of all the items) but before last time and date of submission of tender as notified.
8. If it is desired to submit revised financial bid, then it shall be mandatory to submit revised financial bid. If not submitted, then the tender submitted earlier shall become invalid.
9. Earnest Money in the form of Demand Draft or Fixed Deposit Receipts (drawn in favour of Director IIT Jodhpur) **or through RTGS / NEFT** from any Scheduled/ Nationalized Bank and shall be scanned &

uploaded to the e-tendering website within the period of tender submission and original should be deposited by lowest bidder within a week after the opening of financial bid in office of **Superintending Engineer, IIT Jodhpur**.

10. The time & date of submission & opening of financial bid of contractors qualifying the **criteria as per Tender Notice** shall be communicated to them at a later date.
11. The successful bidder shall be required to submit a Performance Guarantee (PG) of 5% of the tendered amount or Estimated Cost Put to Tender (ECPT), whichever is higher, in the form of Bank Guarantee or F.D.R. from a Nationalized/Scheduled Bank within 07 days of issue of Letter of Intent before award of work. In case the contractor fails to deposit the Performance Guarantee within the specified period, full earnest money shall be forfeited and the tender shall be treated as void. The Performance Guarantee shall remain valid initially up to the stipulated date of completion plus 06 months beyond. Further, if the quoted bid amount is less than 80% of the Estimated Cost Put to Tender (ECPT), the bidder shall also be required to submit an Additional Performance Guarantee (APG) in addition to the normal Performance Guarantee. The amount of APG shall be equal to the difference between 80% of ECPT and the quoted bid amount. The APG shall be submitted in the same form and within the same prescribed period as applicable for the Performance Guarantee, and the terms and conditions regarding validity, release, forfeiture, etc. shall be same as that of the Performance Guarantee.
12. The earnest money deposited along with bid shall be returned after receiving the aforesaid performance guarantee. In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule 'F' including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor.
13. Intending Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their tender. Bidder shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent to any misunderstanding or otherwise shall be allowed. The tenderer shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity, access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a tender by a tenderer implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the Government, local conditions and other factors having a bearing on the execution of the work.
14. The competent authority does not bind itself to accept the lowest or any other tender and reserves to itself the authority to reject any or all the tenders received without the assignment of any reason. All tenders in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the tenderer shall be summarily rejected.
15. Canvassing whether directly or indirectly, in connection with tenderers is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable to rejection.
16. The competent authority reserves the right to accept the whole or any part of the tender and the tenderer shall be bound to perform the same at the rate quoted.
17. The bidder shall not be permitted to tender for works in the IIT Jodhpur responsible for award and execution of contracts, in which his near relative is posted as a Divisional Accountant or as an officer in any capacity between the grades of Dean of Infrastructure Planning and Junior Engineer (both inclusive). The contract shall be withdrawn if any bidder is found violating this condition.
18. No Engineer of Gazetted rank or other Gazetted Officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the previous permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his

employees is found at any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the tender or engagement in the contractor's service.

19. The bids for the work shall remain open for acceptance for a period of 90 (ninety) days from the date of opening of technical bids. Further
  - i. If any tenderer withdraws his tender or makes any modification in the terms & conditions of the tender which is not acceptable to the department within 7 days after last date of submission of bids, then the Government shall without prejudice to any other right or remedy, be at liberty to forfeit 50% of the earnest money absolutely irrespective of letter of acceptance for the work is issued or not.
  - ii. If any tenderer withdraws his tender or makes any modification in the terms & conditions of the tender which is not acceptable to the department after expiry of 7 days after last date of submission of bids, then the Government shall without prejudice to any other right or remedy, be at liberty to forfeit 100% of the earnest money absolutely irrespective of letter of acceptance for the work is issued or not.
  - iii. In case of forfeiture of earnest money as prescribed in para (i) and (ii) above, the bidders shall not be allowed to participate in the rebidding process of the same work.
  
3. This notice inviting tender shall form a part of the contract document. The successful tenderer / contractor, on acceptance of his tender by the Accepting Authority shall within 15 days from the stipulated date of start of the work, sign the contract consisting of:
  - a. The Notice Inviting Tender, all the documents including additional conditions, specifications and drawings, if any, forming part of the tender as uploaded at the time of invitation of tender and the rates quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.
  - b. Standard IITJ/CPWD Form - 7/8 or other Standard IITJ Form as mentioned.

**Superintending Engineer  
IIT Jodhpur**

**INTEGRITY PACT e-TENDERING****I.I.T.J**

To,

.....,

.....,

.....

**Subject:** - Annual Repair and Maintenance of Complete Substations (33/11 kv & 11/0.415 kv) including all Transformer, LT Panel, HT Panel, RMU, feeder panel etc. for one-year at IIT Jodhpur Campus.

**Sub Head:** - Electrical Work.

Dear Sir,

It is hereby declared that I.I.T. Jodhpur is committed to follow the principle of transparency, equity and competitiveness in public procurement.

The subject Notice Inviting Tender (NIT) is an invitation to offer made on the condition that the Bidder will sign the integrity Agreement, which is an integral part of tender/bid documents, failing which the tenderer / bidder will stand disqualified from the tendering process and the bid of the bidder would be summarily rejected.

This declaration shall form part and parcel of the Integrity Agreement and signing of the same shall be deemed as acceptance and signing of the Integrity Agreement on behalf of the I.I.T. Jodhpur.

Yours faithfully

**Superintending Engineer  
Office of Infrastructure Engineering**

**Acceptance to execute integrity pact****I.I.T.J**

(To be signed by bidder and upload the scanned copy)

To,  
Superintending Engineer,  
IIT Jodhpur, NH 62 Nagaur Road Karwar  
Jodhpur Rajasthan.

**Subject:** Submission of Bid for the “Annual Repair and Maintenance of Complete Substations (33/11 kv & 11/0.415 kv) including all Transformer, LT Panel, HT Panel, RMU, feeder panel etc. for one-year at IIT Jodhpur Campus”.

**Sub Head:** Electrical Work

Dear Sir,

I/We acknowledge that I.I.T. Jodhpur is committed to follow the principles thereof as enumerated in the Integrity Agreement enclosed with the tender/bid document.

I/We agree that the Notice Inviting Tender (NIT) is an invitation to offer made on the condition that I/We will sign the enclosed integrity Agreement, which is an integral part of tender / bid documents, failing which I/We will stand disqualified from the tendering process. I/We acknowledge that THE MAKING OF THE BID SHALL BE REGARDED AS AN UNCONDITIONAL AND ABSOLUTE ACCEPTANCE of this condition of the NIT.

I/We confirm acceptance and compliance with the Integrity Agreement in letter and spirit and further agree that execution of the said Integrity Agreement shall be separate and distinct from the main contract, which will come into existence when tender/bid is finally accepted by I.I.T. Jodhpur. I/We acknowledge and accept the duration of the Integrity Agreement, which shall be in the line with Article 1 of the enclosed Integrity Agreement.

I/We acknowledge that in the event of my/our failure to sign and accept the Integrity Agreement, while submitting the tender/bid, I.I.T. Jodhpur shall have unqualified, absolute and unfettered right to disqualify the tender / bidder and reject the tender/bid in accordance with terms and conditions of the tender/bid.

Yours faithfully

(Duly authorized signatory of the Bidder)

<b>INTEGRITY PACT e-TENDERING</b>	<b>I.I.T.J</b>
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To be signed by the bidder and same signatory competent / authorized to sign the relevant contract on behalf of IIT Jodhpur.

INTEGRITY AGREEMENT

This Integrity Agreement is made at .....on this.....day of..... 2.....

**BETWEEN**

The Director, IIT Jodhpur represented through Superintending Engineer, IIT Jodhpur

....., (Hereinafter referred as the  
(Address of Division))

'Principal/Owner', which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns)

**AND**

.....  
(Name and Address of the Individual / firm/ Company)

through..... (Hereinafter referred to as the  
(Details of duly authorized signatory))

"Bidder/Contractor" and which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns)

**Preamble**

WHEREAS the Principal / Owner has floated the Tender (NIT No. ....) (Hereinafter referred to as "Tender/Bid") and intends to award, under laid down organizational procedure, contract for.....

.....  
(Name of work)

hereinafter referred to as the "Contract".

AND WHEREAS the Principal/Owner values full compliance with all relevant laws of the land, rules, regulations, economic use of resources and of fairness/transparency in its relation with its Bidder(s) and Contractor(s).

AND WHEREAS to meet the purpose aforesaid both the parties have agreed to enter into this Integrity Agreement (hereinafter referred to as "Integrity Pact" or "Pact"), the terms and conditions of which shall also be read as integral part and parcel of the Tender/Bid documents and Contract between the parties.

NOW, THEREFORE, in consideration of mutual covenants contained in this Pact, the parties hereby agree as follows and this Pact witnesses as under:

**Article 1: Commitment of the Principal/Owner**

- 1) The Principal/Owner commits itself to take all measures necessary to prevent corruption and to observe the following principles:
  - (a) No employee of the Principal/Owner, personally or through any of his/her family members, will in connection with the Tender, or the execution of the Contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.
  - (b) The Principal/Owner will, during the Tender process, treat all Bidder(s) with equity and reason. The Principal/Owner will, in particular, before and during the Tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential / additional information through which the Bidder(s) could obtain an advantage in relation to the Tender process or the Contract execution.
  - (c) The Principal/Owner shall endeavor to exclude from the Tender process any person, whose conduct in the past has been of biased nature.
- 2) If the Principal/Owner obtains information on the conduct of any of its employees which is a criminal offence under the Indian Penal code (IPC)/Prevention of Corruption Act, 1988 (PC Act) or is in violation of the principles herein mentioned or if there be a substantive suspicion in this regard, the Principal/Owner will inform the Chief Vigilance Officer and in addition can also initiate disciplinary actions as per its internal laid down policies and procedures.

**Article 2: Commitment of the Bidder(s)/Contractor(s)**

- 1) It is required that each Bidder/Contractor (including their respective officers, employees and agents) adhere to the highest ethical standards, and report to the Government / Department all suspected acts of **fraud or corruption or Coercion or Collusion** of which it has knowledge or becomes aware, during the tendering process and throughout the negotiation or award of a contract.
- 2) The Bidder(s)/Contractor(s) commits himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the Tender process and during the Contract execution:
  - a) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm, offer, promise or give to any of the Principal/Owner's employees involved in the Tender process or execution of the Contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the Tender process or during the execution of the Contract.
  - b) The Bidder(s)/Contractor(s) will not enter with other Bidder(s) into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to cartelize in the bidding process.
  - c) The Bidder(s)/Contractor(s) will not commit any offence under the relevant IPC/PC Act. Further the Bidder(s)/Contractor(s) will not use improperly, (for the purpose of competition or personal gain), or pass on to others, any information or documents provided by the Principal/Owner as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
  - d) The Bidder(s)/Contractor(s) of foreign origin shall disclose the names and addresses of agents/representatives in India, if any. Similarly, Bidder(s)/Contractor(s) of Indian Nationality shall disclose names and addresses of foreign agents/representatives, if any. Either the Indian agent on behalf of the foreign principal or the foreign principal directly

could bid in a tender but not both. Further, in cases where an agent participates in a tender on behalf of one manufacturer, he shall not be allowed to quote on behalf of another manufacturer along with the first manufacturer in a subsequent/parallel tender for the same item.

- e) The Bidder(s)/Contractor(s) will, when presenting his bid, disclose any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the Contract.
- 3) The Bidder(s)/Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.
- 4) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm indulge in fraudulent practice **means a willful misrepresentation or omission of facts or submission of fake/forged documents in order to induce public official to act in reliance thereof, with the purpose of obtaining unjust advantage by or causing damage to justified interest of others and/or to influence the procurement process to the detriment of the Government interests.**
- 5) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm use Coercive Practices (means the act of obtaining something, compelling an action or influencing a decision through intimidation, threat or the use of force directly or indirectly, where potential or actual injury may befall upon a person, his/ her reputation or property to influence their participation in the tendering process).

### **Article 3: Consequences of Breach**

Without prejudice to any rights that may be available to the Principal/Owner under law or the Contract or its established policies and laid down procedures, the Principal/Owner shall have the following rights in case of breach of this Integrity Pact by the Bidder(s)/Contractor(s) and the Bidder/ Contractor accepts and undertakes to respect and uphold the Principal/Owner's absolute right:

- 1) If the Bidder(s)/Contractor(s), either before award or during execution of Contract has committed a transgression through a violation of Article 2 above or in any other form, such as to put his reliability or credibility in question, the Principal/Owner after giving 14 days' notice to the contractor shall have powers to disqualify the Bidder(s)/Contractor(s) from the Tender process or terminate/determine the Contract, if already executed or exclude the Bidder/Contractor from future contract award processes. The imposition and duration of the exclusion will be determined by the severity of transgression and determined by the Principal/Owner. **Such exclusion may be forever or for a limited period as decided by the Principal/Owner.**
- 2) **Forfeiture of EMD/Performance Guarantee/Security Deposit:** If the Principal/Owner has disqualified the Bidder(s) from the Tender process prior to the award of the Contract or terminated/determined the Contract or has accrued the right to terminate/determine the Contract according to Article 3(1), the Principal/Owner apart from exercising any legal rights that may have accrued to the Principal/Owner, may in its considered opinion forfeit the entire amount of Earnest Money Deposit, Performance Guarantee and Security Deposit of the Bidder/Contractor.
- 3) **Criminal Liability:** If the Principal/Owner obtains knowledge of conduct of a Bidder or Contractor, or of an employee or a representative or an associate of a Bidder or Contractor which constitutes corruption within the meaning of IPC Act, or if the Principal/Owner has substantive suspicion in this regard, the Principal/Owner will inform the same to law enforcing agencies for further investigation.

### **Article 4: Previous Transgression**

- 1) The Bidder declares that no previous transgressions occurred in the last 5 years with any other Company in any country confirming to the anticorruption approach or with Central Government or State Government or any other Central/State Public Sector Enterprises in India that could justify his exclusion from the Tender process.

- 2) If the Bidder makes incorrect statement on this subject, he can be disqualified from the Tender process or action can be taken for banning of business dealings/ holiday listing of the Bidder/Contractor as deemed fit by the Principal/ Owner.
- 3) If the Bidder/Contractor can prove that he has resorted / recouped the damage caused by him and has installed a suitable corruption prevention system, the Principal/Owner may, at its own discretion, revoke the exclusion prematurely.

**Article 5: Equal Treatment of all Bidders/Contractors/Subcontractors**

- 1) The Bidder(s)/Contractor(s) undertake(s) to demand from all subcontractors a commitment in conformity with this Integrity Pact. The Bidder/Contractor shall be responsible for any violation(s) of the principles laid down in this agreement/Pact by any of its Sub-contractors/sub-vendors.
- 2) The Principal/Owner will enter into Pacts on identical terms as this one with all Bidders and Contractors.
- 3) The Principal/Owner will disqualify Bidders, who do not submit, the duly signed Pact between the Principal/Owner and the bidder, along with the Tender or violate its provisions at any stage of the Tender process, from the Tender process.

**Article 6- Duration of the Pact**

This Pact begins when both the parties have legally signed it. It expires for the Contractor/Vendor 09 Months after the completion of work under the contract or till the continuation of defect liability period, whichever is more and for all other bidders, till the Contract has been awarded.

If any claim is made/lodged during the time, the same shall be binding and continue to be valid despite the lapse of this Pacts as specified above, unless it is discharged/determined by the Competent Authority, I.I.T. Jodhpur.

**Article 7- Other Provisions**

- 1) This Pact is subject to Indian Law, place of performance and jurisdiction is the Headquarters of the Division of the Principal/Owner, who has floated the Tender.
- 2) Changes and supplements need to be made in writing. Side agreements have not been made.
- 3) If the Contractor is a partnership or a consortium, this Pact must be signed by all the partners or by one or more partner holding power of attorney signed by all partners and consortium members. In case of a Company, the Pact must be signed by a representative duly authorized by board resolution.
- 4) Should one or several provisions of this Pact turn out to be invalid; the remainder of this Pact remains valid. In this case, the parties will strive to come to an agreement to their original intentions.
- 5) It is agreed terms and conditions that any dispute or difference arising between the parties with regard to the terms of this Integrity Agreement / Pact, any action taken by the Owner/Principal in accordance with this Integrity Agreement/ Pact or interpretation thereof shall not be subject to arbitration.

**Article 8- LEGAL AND PRIOR RIGHTS**

All rights and remedies of the parties hereto shall be in addition to all the other legal rights and remedies belonging to such parties under the Contract and/or law and the same shall be deemed to be cumulative and not alternative to such legal rights and remedies aforesaid. For the sake of brevity, both the Parties agree that this Integrity Pact will have precedence over the Tender/Contact documents with regard any of the provisions covered under this Integrity Pact.

IN WITNESS WHEREOF the parties have signed and executed this Integrity Pact at the place and date first above mentioned in the presence of following witnesses:

.....  
(For and on behalf of Principal/Owner)

.....  
(For and on behalf of Bidder/Contractor)

WITNESSES:

1. ....  
(signature, name and address)

2. ....  
(signature, name and address)

Place:

Dated:

<b>I.I.T.J – 7/8 e-TENDERING</b>	<b>I.I.T.J</b>
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**INDIAN INSTITUTE OF TECHNOLOGY  
Jodhpur**

**Percentage Rate Tender & Contract for Works**

**Tender for the work of:** Annual Repair and Maintenance of Complete Substations (33/11 kv & 11/0.415 kv) including all Transformer, LT Panel, HT Panel, RMU, feeder panel etc. for one-year at IIT Jodhpur Campus.

**Sub Head:** - Electrical Work.

- i. To be submitted online as per tender notice through website [www.eprocure.gov.in](http://www.eprocure.gov.in) to Engineer in-charge, IIT Jodhpur.
- ii. Online Bids to be opened in presence of tenderers / their authorized representatives who may be present in the Office of Stores and Purchase/OIE, IIT Jodhpur.

**TENDER**

I/We have read and examined the notice inviting tender, schedule, A, B, C, D, E & F Specifications applicable, Drawings & Designs, General Rules and Directions, Conditions of Contract, clauses of contract, Special conditions, Schedule of Rate & other documents and Rules referred to in the conditions of contract and all other contents in the tender document for the work.

I/We hereby tender for the execution of the work specified for I.I.T. Jodhpur, within the time specified in Schedule 'F' viz., schedule of quantities and in accordance in all respect with the specifications, designs, drawing and instructions in writing referred to in Rule-1 of General Rules and Directions and in Clause 11 of the Conditions of contract and with such materials as are provided for, by, and in respect of accordance with, such conditions so far as applicable.

We agree to keep the tender open for Ninety (90) days from the date of opening of bid.

A sum of **as per tender notice** is hereby forwarded in Banker Cheque or Demand Draft or Fixed Deposit receipt of a schedule bank drawn in favour of IIT Jodhpur earnest money. If I/We, fail to furnish the prescribed performance guarantee within prescribed period. I/We agree that the I.I.T. Jodhpur or his successors, in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I/We fail to commence work as specified, I/We agree that The I.I.T. Jodhpur or the successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said earnest money and the performance guarantee absolutely, otherwise the said earnest money shall be retained by him towards security deposit to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 12.2 and 12.3 of the tender form.

Further, I/We agree that in case of forfeiture of Earnest Money & Performance Guarantee as aforesaid. I/We shall be debarred for participation in the re-tendering process of the work.

I/We undertake and confirm that eligible similar work(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I/We shall be debarred for tendering in I.I.T. Jodhpur in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee.

I/We hereby declare that I/We shall treat the tender documents drawings and other records connected with the work as secret/confidential documents and shall not communicate information/derived there

from to any person other than a person to whom I/We am/are authorized to communicate the same or use the information in any manner prejudicial to the safety of the State.

Dated:

Signature of Contractor  
Postal Address

Witness:

Address:

Occupation:

<b>I.I.T.J– 7/8 e-TENDERING</b>	<b>I.I.T.J</b>
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### ACCEPTANCE

The above tender (as modified by you as provided in the letters mentioned hereunder) is accepted by me for and on behalf of I.I.T. Jodhpur for a sum of Rs. (Rupees .....  
.....)

The letters referred to below form part of this contract agreement:

- (a)
- (b)
- (c)

For & on behalf of IIT Jodhpur

Signature .....

Date.....

Designation .....

<b>PROFORMA OF SCHEDULES</b>	<b>I.I.T.J</b>
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**PROFORMA OF SCHEDULES**

**SCHEDULE 'A'**

Schedule of quantities (enclosed)

**SCHEDULE 'B'**

Schedule of materials to be issued to the contractor.

S. No.	Description of item	Quantity	Rates in figures & words at which the material will be charged to the Contractor	Place of issue
1			4	
←		Nil		→

**SCHEDULE 'C'**

Tools and plants to be hired by the contractor

S. No.	Description	Hire charges per day	Place of Issue
1			
←		Nil	→

**SCHEDULE 'D'**

Extra schedule for specific requirements/ document for the work, if any.

----- Nil -----

**SCHEDULE 'E'**

*Reference to General Conditions of contract: General Conditions of contract for CPWD: GCC 2023 for maintenance Works, Form-7 for CPWD works as amended up to last date of submission of bid.*

**Name of work:** Annual Repair and Maintenance of Complete Substations (33/11 kv & 11/0.415 kv) including all Transformer, LT Panel, HT Panel, RMU, feeder panel etc. for one-year at IIT Jodhpur Campus.

**Sub Head: Upgradation Work.**

- |       |                        |   |                                                                                                                                                           |
|-------|------------------------|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| (i)   | Estimated cost of work | : | As per Tender Notice                                                                                                                                      |
| (ii)  | Earnest Money          | : | As per Tender Notice                                                                                                                                      |
| (iii) | Performance Guarantee  | : | As per Tender Notice                                                                                                                                      |
| (iv)  | Security Deposit       | : | 2.5% of the gross amount of each running and final bill till the sum deducted will amount to security deposit of 2.5% of the tendered amount of the work. |

## SCHEDULE 'F'

<b>SCHEDULE 'F' (ELECTRICAL WORK)</b>	
<b>General Rules &amp; Directions:</b>	
Officer inviting tender	Superintending Engineer, IIT Jodhpur.
Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined in accordance with Clauses 12.2 & 12.3	See Below.
<b>Definitions</b>	
Engineer-in-charge	Assistant Executive Engineer (Electrical-1).
Accepting Authority	Director, IIT Jodhpur.
Percentage on cost of materials and labor to cover all overhead & profits	15%
Standard schedule of Rates	DSR 2025 (E &M) with up-to-date correction slips and market rate.
Department	Office of Infrastructure Engineering, IIT Jodhpur
Standard IITJ contract Form	General Conditions of contract for CPWD for maintenance Works 2023 <b>as amended/modified up to last date of submission of bid.</b>

<b>CLAUSE 1</b>		
(i)	Time allowed for submission of Performance guarantee, Programme Chart (Time and Progress) and applicable labour licenses, registration with EPFO, ESIC and BOCW Welfare Board including Provident Fund Code No. or proof of applying thereof from date of issue of letter of acceptance.	07 Days
(ii)	Maximum allowable extension with late fee@ 0.1% per day of performance guarantee amount beyond the period provided in (i) above	07 Days

<b>Clause -2</b>	
Authority for fixing Compensation under Clause 2	Superintending Engineer, IIT Jodhpur.
<b>Clause 2A</b>	
Whether clause 2A is applicable	<b>Not applicable</b>
<b>Clause 5</b>	
Number of days from the date of issue of letter of acceptance for reckoning date of start of start milestone(s) as per table given below:	10 Days

SI No.	Description of Milestone (Physical)	Time Allowed in days (from the date of requirement)	Amount to be deducted in case of non-achievement of milestone
<b>Time allowed for execution of work</b>		<b>01 Year.</b>	
Authority to decide:			
(i)	Extension of time	Superintending Engineer, IIT Jodhpur	
(ii)	Rescheduling of milestones	Superintending Engineer, IIT Jodhpur	
(iii)	Shifting of date of start in case of delay in handing over of site	Superintending Engineer, IIT Jodhpur	
<b>Clause 6, 6A</b>			
Clause applicable -		Computerized Measurement Book (CMB)/ Electronic Measurement Book (EMB)	
<b>Clause 7</b>			
Gross work to be done together with net payment /adjustment of advances for material collected, if any, since the last such payment for being eligible to interim payment		Rs. Five Lacs or as mutually agreed by both the parties.	
<b>CLAUSE 10A</b>			
<b>Electrical</b>			
List of mandatory testing equipment and accessories to be provided by the contractor at service center:			
<ol style="list-style-type: none"> <li>1. Megger (500V &amp; 5000V) - 01 No.</li> <li>2. Tongue Tester (0-600Amp) - 03 No.</li> <li>3. Earth resistance tester - 01 No.</li> <li>4. Test Lamp with holder - 03 No.</li> <li>5. Accucheck Energy Meter Tester - 01 No.</li> <li>6. Cable Fault Locator (As &amp; when required).</li> <li>7. db (Decibel) Meter - 01 No.</li> <li>8. Lux meter - 01 No.</li> <li>9. Multimeter - 05 No.</li> </ol>			
(Note: The above list is not exhaustive. The contractor shall provide any other instrument as required for smooth functioning and monitoring of equipment, as directed by Engineer In-charge. The contractor should ensure that the instruments should be functional and calibrated throughout the contract period and must be made available at site by the contractor without additional cost.) (If the above testing equipment is not provided by the contractor, a penalty @1000/- per occasion shall be deducted from the bill of the contractor).			
<b>Clause 10B</b>		<b>Not Applicable</b>	
<b>Clause 10B(ii)</b>			
Whether Clause 10 B (ii) shall be applicable		<b>No</b>	
<b>Clause 10C</b>			
Component of labour expressed as percentage of value of work		25 %	
<b>Clause 10CC escalation clause</b>		<b>Not Applicable</b>	
Schedule of component of other Materials, Labour, POL etc. for price escalation.			
Component of civil (except materials covered under clause 10CA) /Electrical construction Materials		Xm.....%	

expressed as percent of total value of work. -	
Component of Labour -	
expressed as percent of total value of work.	Y..... %
Component of P.O.L. -	
expressed as percent of total value of work.	Z..... %
<b>Clause 11</b>	
Specifications to be followed for execution of work	CPWD specifications 2019 Vol-1&2 for civil and Part-I Internal 2023 and Part-II External 2023 for electrical works with upto date correction slips & manufacturers specifications & NIT
<b>Clause 12</b>	
<b>Type of work</b>	Repair and maintenance of electrical infrastructure of IIT Jodhpur.
12.2. & 12.3 Deviation Limit beyond which clauses shall apply for building work	As per CPWD Manual.
<b>Clause 16</b>	
Competent Authority for deciding reduced rates	Superintending Engineer, IIT Jodhpur
<b>Clause 18</b>	
List of mandatory machinery, tools & plants to be deployed by the contractor at site: -	
<ol style="list-style-type: none"> <li>1. Hydra and scaffolding for streetlight and internal double height light repairing etc. as required.</li> <li>2. Grinder, drilling machine.</li> <li>3. Mud Pump with pipes.</li> <li>4. Welding machine.</li> <li>5. All the machines, tools and safety equipment required by Electrician, Lineman, Operator, Helper etc;</li> <li>6. Any other equipment as per requirement of work;</li> </ol>	As & when required within 24 Hours.
<ol style="list-style-type: none"> <li>7. Screwdriver set &amp; Plier set- 01 Set</li> <li>8. Tester set- 01 Set</li> </ol>	(For every operator and electrician);
<ol style="list-style-type: none"> <li>9. Allen keys sets - 03 Nos.</li> <li>10. Socket Set (Gotti key set) complete 08mm to 32mm - 02 Nos.</li> <li>11. Crimping tool box (For 10 sqmm to 300 sqmm cable termination) - 01 Nos.</li> <li>12. Vacuum Cleaner &amp; Blower - 02 Nos.</li> <li>13. Aluminum Ladder (5 feet) - 02 Nos.</li> <li>14. Aluminum Ladder (8 Feet) - 02 Nos.</li> <li>15. Fawda - 02 Nos.</li> </ol>	
<p><b>Note:</b> Requirement of above-mentioned machinery, tools &amp; plants is tentative only, which can be changed as per requirement by Engineer In-Charge, IIT Jodhpur. (If the contractor is failed to provide the above listed machinery, tools &amp; plants, a penalty @1000/- per occasion shall be deducted from the bill of the contractor).</p>	
<b>Clause 25</b>	
Constitution of Dispute Redressal Committee (DRC)	Competent Authority to appoint DRC
DRC shall constitute one Chairman and two members	Director, Indian Institute of Technology Jodhpur

CLAUSE 32					
"Requirement of Technical Representative (s) and Recovery Rate" for the work					
S. No.	Requirement of Technical Staff		Minimum Experience (Years)	Designation of Technical Staff	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of clause
	Qualification	Number			
1.	Graduate Engineer or Diploma Engineer	1	2 or 5 respectively	Project Manager cum Planning/Quality/Site/Billing Engineer	Rs. 15000/- per month
"Assistant Engineer retired from Government Services those are holding Diploma will be treated at par with Graduate Engineer".					
<b>Diploma holder with minimum 10-year relevant experience with a reputed construction co. can be treated at par with Graduate Engineers for the purpose of such deployment subject to the condition that such diploma holders should not exceed 50% of requirement of degree engineers.</b>					
CLAUSE 38					
(i)	Schedule/statement for determining theoretical quantity of cement & bitumen on the basis of Delhi Schedule of Rates			DSR 2023 with correction slips issued upto last date of submission of bid	
(ii)	Variations permissible on theoretical quantities				
	a.	Cement for works estimated cost put to tender not more than Rs. 25 Lakhs		3 % plus/minus	
	(i)	For works with estimated cost put to tender more than Rs. 25 Lakhs		2 % plus/minus	
	b.	Bitumen for all works		2.5% plus only & nil on minus side	
	c.	Steel reinforcement and structural steel section for each diameter, section and category		2% plus/minus	
	d.	All other materials		Nil	
RECOVERY RATES FOR QUANTITY BEYOND PERMISSIBLE VARIATION For All Elements					
	Excess beyond permissible limits			As per CPWD norms	
	Less use beyond the permissible limit			As per CPWD norms	

**BANK GUARANTEE BOND****I.I.T.J****Form of Earnest Money Deposit  
Bank Guarantee Bond**

WHEREAS, contractor ..... (Name of contractor) (hereinafter called "the contractor") has submitted his tender dated (date) for the work of (name of work) (hereinafter called "the Tender")

KNOW ALL PEOPLE by these presents that we ..... (name of bank) having our registered office at ..... (hereinafter called "the Bank") are bound unto ..... (Name and division of Engineer) (hereinafter called "the Engineer-in-Charge") in the sum of Rs. .... (Rs. In words .....) for which payment well and truly to be made to the said Engineer-in-Charge the Bank binds itself, his successors and assigns by these presents.

SEALED with the Common Seal of the said Bank this .....day of ..... 20.....THE CONDITIONS of this obligation are:

- (1) If after tender opening the Contractor withdraws, his tender during the period of validity of tender (including extended validity of tender) specified in the Form of Tender;
- (2) If the contractor having been notified of the acceptance of his tender by the Engineer-in-Charge:
  - (a) fails or refuses to execute the Form of Agreement in accordance with the Instructions to contractor, if required;
  - OR
  - (b) fails or refuses to furnish the Performance Guarantee, in accordance with the provisions of tender document and Instructions to contractor,
  - OR
  - (c) fails or refuses to start the work, in accordance with the provisions of the contract and Instructions to contractor,
  - OR
  - (d) fails or refuses to submit fresh Bank Guarantee of an equal amount of this Bank Guarantee, against Security Deposit after award of contract.

We undertake to pay to the Engineer-in-Charge either up to the above amount or part thereof upon receipt of his first written demand, without the Engineer-in-Charge having to substantiate his demand, provided that in his demand the Engineer-in-Charge will note that the amount claimed by his is due to him owing to the occurrence of one or any of the above conditions, specifying the occurred condition or conditions.

This Guarantee will remain in force up to and including the date\* ..... after the deadline for submission of tender as such deadline is stated in the Instructions to contractor or as it may be extended by the Engineer-in-Charge, notice of which extension(s) to the Bank is hereby waived. Any demand in respect of this Guarantee should reach the Bank not later than the above date.

DATE .....

SIGNATURE OF THE BANK

WITNESS .....  
(SIGNATURE, NAME AND ADDRESS)

SEAL

\*Date to be worked out on the basis of validity period of 6 months from last date of receipt of tender.

**ADDITIONAL TERMS & CONDITIONS**

1. All the work shall be carried out as per CPWD General specifications for Electrical works, Part-I (Internal)-2013, Part-II (External)- 2005 should also comply with relevant provisions of the Indian Electricity Rules /Acts as applicable, amended up to date. Where specifications are silent, the decision of Engineer-in-Charge shall be final and binding on contractor
2. The work is to be carried out to the entire satisfaction of the Engineer-in-charge and his authorized representative
3. In case of any complaint against any of the personnel of the contractor, the said person will have to be replaced immediately by the contractor and the decision of the Engineer In-charge, IIT Jodhpur, in this regard shall be final and binding on the contractor.
4. In case of any dis-obedience by the staff of the contractor with the occupant's/authorities/ Engineer-in-charge and his authorized representatives, the contractor shall be responsible fully for such consequences and such staff shall be removed from the site immediately.
5. Agency/ Firm shall abide by all laws of the land including, labour laws, Companies Act, Tax deduction liabilities, welfare measures of its employees and all other statutory obligations that enjoin in such cases and are not enumerated and defined herein, through any such onus shall be the exclusive responsibility of the Agency/ Firm, and it shall not involve the Institute in any way whatsoever.
6. Institute reserves the right to require the Agency/ Firm to remove any person deployed by the company, without assigning any reasons/notice. This will be without prejudice to the right of the Agency/ Firm to remove any of its own employees deployed in the Institute.
7. It would be responsibility of Agency/Firm to arrange all permission/ approvals from all local bodies/statutory bodies as per applicable law in vogue. Nothing extra shall be paid on this account by the Institute.
8. The Agency/ Firm shall be responsible for all injury and accidents to people employed by him while on duty. It is desirable that all employees are covered under insurance cover.
9. All employees of the Agency/Firm shall be issued Identity Cards bearing their photographs. Photographs for identity cards should be provided by the Agency/ Firm at their own cost. The ID Cards will be issued by the Agency/ Firm. These will be countersigned by the IIT Jodhpur Security Officer/ Engineer of Office of Infrastructure Engineering.
10. The Agency/Firm shall be responsible for the good conduct and behavior of its employees. If any employee of the Agency/ Firm is found misbehaving with the supervisory staff or other staff members of the Institute the Agency/ Firm shall terminate the services of such employees forthwith at their own risk and responsibility. The Agency/ Firm shall issue necessary Instructions to its employees to act upon the instructions given by the supervisory staff of the Institute.
11. When a register gets completed, it will be handed over to the concerned J.E. / A.E. It will not be returned to the contractor and the same will remain the property of the department.
12. The dismantled material which has scrap value needs to be handed over to Institute.
13. In the event of any loss being occurred to the Institute during the course of execution of work, on account of the negligence of duty by the Agency/ Firm' and their employees, the Agency/ Firm shall make good the loss sustained to the Institute either by replacement or on payment of the adequate compensation as per decision of Engineer-in-charge.
14. The Agency/ Firm shall not appoint sub-Agency/Firm to carry out any obligation under the contract.
15. The Agency/ Firm will take day-to-day instructions from the supervisory staff of the institute and shall keep diary for the same.
16. The labours engaged by agency shall not be below age 18 years and no worker will be allowed to stay in the Institute campus.

17. The Agency/Firm shall maintain an Inspection Book as prescribed, which will be made available to supervisory staff of the Institute. Fault/observation record there on shall be attended to immediately.
18. Agency/ Firms will apply to the Labour Commissioner to obtain a Labour License as applicable, and nothing extra shall be paid to Agency by IIT Jodhpur. Agency/ Firms will submit a copy of license to officer-in-charge of IIT Jodhpur.
19. The Agency/ Firm would sign and give an undertaking as per Performa every month for compliance of the provision of Contract Labour Act. Rule and other Law as applicable.
20. Any dispute arising out of and in relation to this agreement shall be referred to the arbitration by sole arbitrator to be appointed by Director of the Institute. The arbitration would be conducted and governed by and under the provisions of Arbitration Act, 1996. Any legal dispute will be subject to jurisdiction of Jodhpur Courts only and no other court shall have the jurisdiction refer IITJ/CPWD GCC form 7/8 in regard.
21. IIT Jodhpur is a 'No SMOKING ZONE' The Agency/ Firm should ensure that his employees DO NOT SMOKE while working in the IIT Campus. They will also not indulge in drinking alcohol or any other intoxicants. They will not consume drugs and eat pan/ Khaini / tobacco etc. they will not play cards or indulge in gambling on campus.
22. The Agency/ Firm shall keep himself fully informed of all acts and laws of the Central and State Government, all orders, decrees of statutory bodies, tribunals having any jurisdiction or authority, which in any manner may affect their engaged or employed and anything related to carry out the work. All the rules & regulations & byelaws lay down by the local bodies and any other statutory bodies shall be adhered to, by the Agency/ Firm, during the execution of work.
23. Agency/ Firm must employ adult and skilled personnel only. Employment of child labour shall lead to the termination of the contract at the risk and cost of the Agency/ Firm. Agency/ Firm shall deploy/ engage reliable persons at client after proper character and police verification and impose any conditions as per prevailing contractual labour laws for such engagements, take disciplinary action or reward any person at work etc., at its sole costs, risks and responsibilities.
24. Agency/ Firm shall deal with and settle the matters related with unions and shall make sure that no labour disputes / problems are referred to Client. It shall totally indemnify Client in this regard.
25. Agency/ Firm should at all times indemnify Client against all claims, damages or compensation under the provisions of payment of wages Act, 1936; Minimum Wages Act, 1948; Employer's Liability Act, 1938 ; the workmen compensation Act, 1932 ; Industrial Disputes Act, 1947 ; Maternity Benefit Act, 1961 ; or any modification thereof or any other law relating thereto and rules made hereunder from time. Client will not own any responsibility in this regard.
26. All statutory & mandatory deductions as per Government of India & Rajasthan State Government norms shall be deducted from each running bill & final bill of agency/ firm.
27. GST shall be applicable in this contract. NIT and the rules of Govt. of India as notified from time to time shall be followed in items of GST. Presently, 18% GST has been considered in this tender and agency has to quote the rates inclusive of GST.
28. No escalation clause i.e, clause 10CC of IITJ/CPWD GCC form 7/8 is applicable in this NIT/ Contract.
29. Non-Judicial stamp paper worth Rs. 10/- (Ten Rupees only) will be submitted by contractor for execution of agreement between both the parties.
30. No T & P would be supplied by the Institute and contractor will have to make his own arrangement for the required work.
31. The contractors are advised to get acquainted with the proposed work including specifications & its site and additional conditions carefully before quoting. No claim of any sort shall be entertained or account of any site conditions and ignorance of specifications & additional conditions. The work shall be carried out as per the availability of site.
32. The rates quoted by the contractor shall be taken as net and nothing extra shall be paid on any account i.e Royalty, Cartage, GST & stacking of material required at places etc. The rates for different items of

- work shall apply for Heights & Depths, Leads & Lifts unless otherwise specified in the agreement or specifications applicable in the agreement.
33. The agency shall execute the material/items as per list of approved make given in tender document.
  34. The sample of material required in the work brought at site shall be got approved from Engineer –in-Charge before use in execution of work.
  35. All the required materials shall be checked & approved by the Engineer-in-charge on receipt of the same at site before use and rejected material is to be removed from the site immediately.
  36. The sample material required for Testing shall be provided at free of cost by the contractor. Testing charges if any shall be borne by the IIT Jodhpur if satisfactory report and if test results are unsatisfactory then testing charges shall be deducted from bills of contractor. All other expenditure to be incurred on taking sample, conveyance, packing etc. shall be borne by the contractor.
  37. The contractor shall submit a detailed program of work within 7 days of the date of award of work. The Engineer – in- Charge can modify the program and the contractors have to work accordingly.
  38. The contractor shall make his own arrangement to get permission with respect to trucks from the Traffic Police.
  39. No payment shall be made to contractor for any damage caused by the rain or any other natural causes whatsoever during the execution of work.
  40. Some restrictions may be imposed by the security staff of IIT Jodhpur etc. on the work and on movement of labour & material. **No labour camp/ huts shall be allowed in IIT Jodhpur. The contractor shall make his own arrangement for labour huts outside the campus.** However, constructions of cement godown and Chowkidar's hut in the Campus shall be permitted. The contractor shall be bound to follow all such restrictions/ instructions and nothing shall be payable on this account.
  41. The contractor shall be fully responsible for the safe custody of the material issued or brought at site by him for doing the work.
  42. The Malba / Garbage generated at site due to construction activities shall be removed from the site immediately & shall be disposed off by the contractor to the approved dumping site of Jodhpur Municipal Corporation and all statutory approvals from local bodies shall be the sole responsibility of contractor.
  43. The contractor shall clean the site thoroughly of scaffolding materials, rubbish, equipment's left out of his work & dress the site around the building to the complete satisfaction of the Engineer-in-Charge before the work is treated as completed.
  44. Security **deposit @2.5%** will be deducted for entire gross work done including extension period if any, from each installment however, earnest money deposit will be adjusted to security deposit.
  45. **1% (one percent) cess** towards labour welfare fund or as applicable, income tax as applicable and other taxes/ statutory recoveries as applicable will be deducted from the bill of contractor.
  46. **Water charges @ 1%** and **Electricity charges @ 0.5 %** of gross work done shall be deducted from bills of contractor if electricity and water provided by IIT Jodhpur for this work.
  47. Income tax/other taxes/statutory recoveries as applicable will be deducted from the bill.
  48. Agency must take proper safety measures during the execution of work.
  49. IITJ/CPWD GCC form 7/8 shall form part of NIT and the bidder shall go through GCC before quoting rates and the same shall be deemed to be accepted by bidder if he participates in the tender.
  50. ESI & EPF shall be reimbursed as per norms on production of original receipt of ESI & EPF from contractor specific to this work.
  51. All the statutory obligations which is not covered in the bid document shall be reimbursed on actual basis after submission of proof of payment.
  52. The contractor should arrange his own tools and plants necessary for maintenance of the work. Nothing extra shall be paid on account of tools and plants required for the maintenance.
  53. Boarding and lodging of the maintenance staff of the contractor will be the responsibility of the contractor.

54. The contractor shall authorize his representative to be responsible for receiving the required material from the Department for day to day maintenance work & dismantle material is to be return back to the department daily.
55. The Staff Employed by the contractor shall be at the sole responsibility and liability of contractor and they will be employee of the contractor and all expenses in connection with these Employees shall be borne by the contractor. Department shall not bear any liability whatsoever for these staff. The contractor shall provide at his own cost all statutory benefits to the staff employed by the contractor and department will not entertain any liability whatsoever on this account.
56. The contractor shall be solely responsible for compliance with various statutory obligations (including the financial liabilities) under the contractor labour regulation minimum wages act and other applicable laws and rules framed there from time to time.
57. The work is annual repair and maintenance of electrical infrastructure, thereby, validity for the work shall be 01 year from the date of commencement. Accordingly, the contractor shall attend the complaints as and when required basis throughout the year, if the work/complaint is not attended within the given timeframe, then a penalty/recovery shall be imposed .
58. IIT Jodhpur provides internet connection for accessing email or software module for maintenance activity subject to availability of network connectivity on chargeable basis as per Institute prevailing norms (Tentative amount Rs. 6000/- for six months). However, if network is not available in the provided space for maintenance activity, contractor shall have to arrange all the material required for internet connectivity.
59. IIT Jodhpur shall provide the electricity connection for maintenance office and maintenance work subject to availability of power on chargeable basis as per institute prevailing norms. Necessary cable, energy meter and other accessories required for metering connection shall be provided by the contractor with due consent from Engineer In charge.
60. Bad workmanship whenever noticed and conveyed to the contractor, verbally or expressed, shall be rectified by the contractor at his own cost and to the satisfaction of the Engineer- in- Charge.
61. Inventory list of material used for maintenance shall be prepared and submitted by the contractor at the time of submission of bill along with detail location of Institute premises. Bill shall be prepared on actual inventory used at site for maintenance/new work. If the items which are stored/brought at site for maintenance but could not be used at site during the contract time, the same shall be taken over by IITJ as per discretion of Engineer In-charge and accordingly payment shall be made to the contractor.
62. If any employee of the contractor goes to any court/conciliation officer/labour court or another legal authority etc. in or anywhere in India at any time under this contract the department shall not be made a party of it in any way by the employees of the contractor or by contractor himself. This fact should be clearly and legally told to all his employees by the contractor, and the contractor shall be fully responsible for all losses/damages, misconduct etc. arise on this contract.
63. The contractor shall pay all legal wages/dues/allowances to all his employees always covered under this contract and can quote his rates accordingly in this tender/offer. The contractor should not deny such things to any of his employees on the pretext that such things are not covered by the present contract/agreement.
64. The cleaning of the entire system components, its various equipment's and Components, control panels, rooms etc. shall always be the responsibility of the contractor. All the materials needed for it like brooms, cleaning powder, dhotis, cotton waste etc., shall be arranged by the contractor at his own cost.
65. The contractor shall give his telephones nos. both landline & mobile, for any emergency complaints and any change in them shall be informed to the department immediately.
66. The staff employed by the contractor shall in no case will be eligible for absorbing in the department.
67. The Contractor shall depute staff with minimum qualification and experience as detailed here under in consultation with Engineer -in charge with prior permission: -

- Wiremen/technician /Electrician: - Academic Qualification: 10th Passed along with Valid Electrical License or 2-year Govt. Recognized I.T.I from Electrician/Wireman Trade with Two years' experience in relevant field.
  - Khallasi - Khallasi should be physically fit and must have one-year experience in the relevant field.
68. Before the start of contract, the contractor is bound to submit the following details of the workers proposed to be engaged by him:
- Name and Postal Address.
  - Photograph with specimen signature, addhar card/Voter ID etc as proof of identity.
  - Qualification and Experience.
69. The Contractor is fully responsible for the workmen deployed at site under this contract for safety, accident, any mishap occurs or any other unwanted misery at site. IITJ is not responsible/liable for any kind of compensation, treatment or any kind of favour.
70. The work shall be done in full co-operation with other agencies working at site. The staff deputed shall be soft-spoken, well-behaved and physically fit.
71. Contractor has to ensure Mobile phone & sufficient balance amount of recharge value with employees deputed at site for proper communication. He has to give their mobile number to the IITJ Engineers concerned, nothing extra will be paid on this account.
72. The department is at liberty of discontinuing the contract if the performance is not found satisfactory, in accordance with the terms and conditions without assigning any reason.
73. Some of the Installation is under Defect Liability Period, it is the duty of contractor to provide the details of defect occurred of non-consumable items immediately to IITJ Engineer of work. The DLP Agency shall provide the replacement of defective material and contractor must install it on timely basis without any extra cost.
74. Institute reserves the right to remove /reduced/or increases the scope of work at any time.
75. GCC and other relevant clauses / manuals of CPWD shall be part of this Tender document unless and otherwise specified.
76. Material make list should be as per approved material given in the tender, until or unless individual items make/model no. specified in BOQ.
77. Final payment shall be made only after satisfactory completion of work up to the satisfaction of Engineer in-charge.
78. Supply will be made on F.O.R. basis at the Office of Infrastructure Engineering, IIT Jodhpur, NH-62, Nagaur Road, Karwad, Jodhpur-342030 as and when required.
79. **Delivery of Items:** Within 5 working days from the date of sending the mail to the firms/contractors.
80. **Warranty:** As per manufacturer (OEM).
81. **Replacement:** If the material is rejected for any reason, you have to replace the material at your own cost and risk.
82. **Liquidity Damages:** Failure to service/delivered the material within the stipulated period shall entitled IIT Jodhpur for the imposition of penalty without assigning any reasons @0.5% (half percent) of the total order value of the item covered in mail as penalty per day subject to a maximum of 10% (ten percent) unless extension is obtained in writing from the office on valid ground before expiry of deliver period.
83. Failure to comply with any of the above clauses or due to unsatisfactory performance as observed by Engineer-in-charge, the contract shall be terminated at any stage without assigning any reason thereof.
84. **The quantities indicated in the BOQ are tentative and approximate only and are liable to variation during execution depending upon actual site requirement. Payment shall be made on the basis of actual quantities executed/supplied and measured at site. The Institute reserves the right to increase, decrease or omit any item/quantity, and no claim whatsoever shall be entertained on account of such variation. Mere mention of quantities in the BOQ shall not be construed as a guarantee for execution/procurement of the same quantities.**

**LIST OF APPROVED MATERIALS (Electrical):**

<b>S. No.</b>	<b>Material</b>	<b>Approved makes</b>
1	LT panels / boards, Feeder panels.	MILESTONE, TRICOLITE, ADLEC, ADVANCE PANEL & SWITCHGEAR Ltd., PRISTINE, STERLING GENERATOR, APPLICATION CONTROL PANEL, ENGINEERS & ENGINEERS.
2	MCCBS	SIEMENS (BETA GUARD), L&T(AU), SCHNEIDER (ACTI 9), LEGRAND (DX 3), HAGER
3	MCB, ELCB, RCCB, DB and RCBO. Distribution board shall be of the same make of MCB, ELCB, RCCB, DB and RCBO.	SIEMENS (BETA GUARD), L&T(AU), SCHNEIDER (ACTI 9), LEGRAND (DX 3), HAGER
4	LT cables/HT cables, armored/unarmored 1.1 KV grade.	KEI, HAVELLS ,POLYCAB, Finolax
5	FRLS copper wires and cables, 1.1 KV grade	UNISTAR, NATIONAL, RALLISON, KEI, HAVELLS, POLYCAB, RR KABEL
6	Switch, Socket, fan regulator, GI box, Face plate.	LEGRAND (ARTEOR), SCHNEIDER (ZENCELO), MK (ELEMENTS), HAGER (INSYSTA), CRABTREE (MURANO),
7	Lugs and Ferrules	DOWELLS, JAINSON, COMMEX, GRIPWELL, HENSEL, DOWELL
8	Brass Compression Gland (Heavy duty)	COMMEX, GRIPWELL, HENSEL, DOWELL
9	Wall Fan	HAVELLS (PLATINA), CG (HIFLO WAVE PLUS), BAJAJ (ESTEEM), USHA (MAX AIR), ORIENT (WALL 47).
10	Cable Lugs & Thimbles	DOWELL, ASIAN, ACTION
11	Telephone Tag Blocks with boxes	KRONE, POUYET
12	PVC Conduits, PVC casing Patti, flexible conduit, GI flexible conduit and Accessories (ISI Marked, Heavy duty)	BEC, PRECISION, POLY-PACK, POLYCAB, SUPREME, POLY PLAST,
13	MS Conduit and Pipes and accessories	BEC, AKG, M-KAY, STEEL CRAFT
14	PVC DLP trucking	LEGRAND, HONEYWELL, SCHNEIDER,
15	Pipes and Accessories (ISI)	TATA, JINDAL, SAIL
16	LED light fixtures (Street, Landscape, Post top, Flood light, ) (OUTDOOR)	SIGNIFY, CROMPTON, WIPRO, HAVELLS, SCHREDER, LIGHTING TECHNOLOGIES, MUSCO, HALLIDAY, THORN LIGHTING
17	LED Chip for Street /landscape and LED Light Fixtures	PHILIPS, CROMPTON, WIPRO, BAJAJ,
18	EXIT and Emergency Lights	PHILIPS, CROMPTON, WIPRO, BAJAJ, PROLITE
19	CAT-6A CABLE	TYCO, COMMSCOPE, R&M, MOLEX, PANDUIT, SCHNEIDER, LEGRAND.
21	LED LIGHT FIXTURE (INDOOR)	PHILIPS, CROMPTON, WIPRO, BAJAJ, SCHREDER, HAVELLS, LT, MUSCO, HALLIDAY, THORN LIGHTING
22	Selector Switch	RISHAB - L&T, KAYCEE, SIEMENS, C&S, ABB
25	Photo Chromatic Switch	BAJAJ, WIPRO, PHILIPS

26	LED lights driver	PHILIPS, CROMPTON, WIPRO, BAJAJ, SCHREDER, HAVELLS, LT
27	Terminal Blocks and din rail connector	BCH, INDUSTRIAL CONTROL, JAINSON
28	Change Over Switch	L&T, SOCOMEC, SIEMENS, HAGER, ABB
29	Bus bar	JINDAL, INDALCO, CENTURY
30	GI pipes	JINDAL, TATA, SAIL
31	Timers & Contactors to be mounted in DB's & street light panel.	L&T, SIEMENS, SCHNEIDER, HAGER, LEGRAND, ABB
32	MV Contactors/Timer/ Starters	L&T, SIEMENS, SCHNEIDER, LEGRAND, ABB
33	Fan accessories	HAVELLS, BAJAJ, CROMPTON, USHA or ISI MARKED.
34	kWh Meters (Electronic Digital type) /Multifunction Meter /Ammeter/ Voltmeter)	SCHNEIDER(CONZERV), C&S, L&T, SIEMENS, NEPTUNE, ABB, ELITE (442).
35	Indication Lamps/Push Button	L&T, BCH, GE
36	BLDC Ceiling fan, Exhaust fan	CROMPTON GREAVES, ORIENT, HAVELLS, USHA, BAJAJ,
37	Cable Tray	MEM, PROFAB, RICO, INDIATECH, RMCON, LEGRAND
38	Raceway	LEGRAND, MK, SCHNEIDER
39	Polycarbonate Junction Boxes	HENSEL, CLIPSAL, MENEKES
40	Fasteners	HILTI, FISCHER, BOSCH, WUNH
41	TV Cable	FINOLEX, HAVELLS, BELDON
42	Metal MCB's enclosure	LEGRAND, HAVELLS, HAGER, INDOASIAN, C&S
43	Chemical Earthing	JEF ECOSAFE, ERICO, TERC PLUS
44	DWC Pipe	TIRUPATI, GEMINI, REX, TRICOLITE
45	Waterproof IP65 combined box	HAVELLS, C&S, HAGER, SCHNEIDER, LEGRAND
46	Geyser accessories	ISI marked.
47	Street Light GRP Poles	SCHREDER, PHILIPS, BAJAJ, CREATIVE COMPOSITE, AERON COMPOSITE
48	PU paints on street light GRP poles	AZKO NOBEL, ASIAN
49	Industrial socket outlet	C&S, HAGER, SCHNEIDER, HAVELLS, LEGRAND, INDOASIAN
50	Tools & tackle	TAPARIA, L&T, PIE.
51.	PPEs Kit	HONEYWELL, KUSAM MECO, 3M, JOHANSON & JOHANSON, KARAM.
52.	Local/Remote selector switch	L&T/Seimens/ ABB/Schneider/Legrand/Salzer
53.	Neutral/Trip/Close Breaker control selector switch	L&T/Seimens/ ABB/Schneider/Legrand/Salzer
54.	Multi step switches	L&T/Seimens/ ABB/Schneider/Legrand/Salzer
55.	Current transformer (CT)	L&T/Seimens/ ABB/Schneider/Legrand
56.	Motorized Mechanism for MCCB	L&T/Seimens/ ABB/Schneider/Legrand/ Lauritz Knudsen
57.	Under Voltage /Opening Release /Closing release coil	L&T/Seimens/ ABB/Schneider/Legrand/ Lauritz Knudsen
58.	Pole Contactor	L&T/Seimens/ ABB/Schneider/Legrand/ Lauritz Knudsen
59.	Capacitor Duty Contactor	L&T/Seimens/ ABB/Schneider/Legrand/ Lauritz

		Knudsen
60.	Control relay with auxiliary contact block	L&T/Seimens/ ABB/Schneider/Legrand/ Lauritz Knudsen
61.	APFC relay	L&T/Seimens/ ABB/Schneider/Legrand/ Lauritz Knudsen
62.	Micrologic 2 ( $\mu$ P-ASIC based) / TMD / MA protection	L&T/Seimens/ ABB/Schneider/Legrand/ Lauritz Knudsen
63.	Electronic Timer	Series Micon® 225 or equivalent
64.	Can (Cylindrical ) type LT shunt power capacitor	L&T/Seimens/ ABB/Schneider/Legrand/ Lauritz Knudsen
65.	Indoor type detuned reactor	L&T/Seimens/ ABB/Schneider/Legrand/ Lauritz Knudsen
66.	Programmable logic automation (PLA)	Omron / Salzer
67.	Microprocessor-based protection trip unit for Air Circuit Breaker (ACB)	L&T/Seimens/ ABB/Schneider/Legrand/ Lauritz Knudsen
68.	Joint/Outdoor/Indoor for Cable	Raychom/Denson/3M
69.	Transformer Oil	As per IS335.
70.	PG clamp/DO clamp	ISI marked good quality.
71.	GO Switch 33 /11 KV	PPC Insulators, Rashtriya Electrical & Engineering Corporation, Power Max Transmission (PMT)
72.	Panther Conductor	Aralavi Cables & Conductors Pvt. Ltd., Sagar Industries, J C Industries
73.	Paint	Asian Paints, Berger Paints, Nerolac
74.	Disc/Pin insulator/Lightning arrester	Bikaner Porcelain Private Limited, Satraj Ceramics, Yamuna Power & Infrastructure Limited
75.	Silica gel	Efficacy, Waltzer India, and Swambe Chemicals.
76.	LED Indicators	L&T/Seimens/ ABB/Schneider/Legrand/ Lauritz Knudsen
77.	Batteries	Kirloskar/Sudhir

Note: Superintending Engineer, IIT Jodhpur reserves the right to add or delete any material and brands in the list of preferred material/brands on the recommendation of Engineer-In -charge.

## Schedule of Quantities

<b>PART A - 33/11 KV GSS Maintenance Activities</b>						
S. No.	Description	Qty	Unit	Unit Price	Amount	DSR/ Non DSR
<b>I</b>	<b>33/11 KV GSS Maintenance</b>					
1	Supply and replacement of all hardware of complete 33KV or 11KV yard i.e. of complete aluminium PG clamp (Bushing clamp, Bus bar clamp, GO & DO clamp( or damaged clamp etc) with nut bolt including properly tightening of nut bolt etc as required.	150.00	Each	1730.00	259500.00	NDSR
2	Testing & Servicing of 11/12KV outdoor type VCB including wire connection on TB, checking breaker manual mechanism & Lubrication, checking and making healthy of auto charger mechanism, checking and providing report of relay health & trip set, CT health & set point report, including IR test, Primary injection test, VI testing, relay trip test and rectification of any fault etc. as required. Note: Material used for maintenance like (relay, CT, PT, Mechanical part etc.) shall be paid extra on Actual Cost.	6.00	Each	24917.00	149502.00	NDSR
3	Testing & Servicing of 36KV outdoor type VCB & CRP including wire connection on TB, checking breaker manual mechanism & Lubrication, checking and making healthy of auto charger mechanism, checking and providing report of relay health & trip set, CT health & set point report, including IR test, Primary injection test, VI testing, relay trip test and 33KV CT testing( Ratio test, IR test, current test etc.) and rectification of any fault etc. as required. Note: Material used for maintenance like (relay, CT, PT, Mechanical part etc.) shall be paid extra on Actual Cost.	2.00	Each	30454.00	60908.00	NDSR
4	Supply, installation, testing and commissioning of 400 Ampere, 11 kV, 3-phase, outdoor type Gang Operated (GO) switch, complete with porcelain/polymer insulators, moving and fixed contacts, operating mechanism and accessories, suitable for outdoor installation, including hot dip galvanized (GI) operating rod of adequate length suitable for manual operation from ground/man height, complete with clamps, couplings, bearings, operating handle of minimum 300 mm (1 ft) length, mechanical interlocking (wherever required), mounting structure, nuts, bolts, washers, danger plates, earthing connections, painting, alignment, adjustment, testing at site and commissioning, complete in all respects as required.	2.00	Set	22125.00	44250.00	NDSR
5	Supply and fixing of panther conductor (Size Dia 21mm & area 200sqmm) Jumper of required length as per switch yard requirement (Max length 05 meter of each) on existing bus bar including lugs, connection, nut bolt etc as required.	12.00	Each	4900.00	58800.00	NDSR
6	Supply and replacement Jaw and rod of Go switch including alinement of moving rod, fixing, lubrication on moving part etc. as required.	10.00	Each	6437.00	64370.00	NDSR

7	Supply, installation, testing and commissioning of 800 Ampere, 33 kV, 3-phase, outdoor type Gang Operated (GO) switch, complete with porcelain/polymer insulators, moving and fixed contacts, operating mechanism and accessories, suitable for outdoor installation, including hot dip galvanized (GI) operating rod of adequate length suitable for manual operation from ground/man height, complete with clamps, couplings, bearings, operating handle of minimum 300 mm (1 ft) length, mechanical interlocking (wherever required), mounting structure, nuts, bolts, washers, danger plates, earthing connections, painting, alignment, adjustment, testing at site and commissioning, complete in all respects as required.	1.00	Each	43933.00	43933.00	NDSR
8	Painting Work of 33/11 kv GSS Structure set and Power Transformer ,Distribution transformer ,Distribution panels ,11 kv and 33 kv VCB					
8.1	Painting of outdoor type 05 MVA transformer, Distribution transformer , 11KV VCB , 36 KV VCB ,Distribution panels with approved shade/color (Grey Color) by gun paint including paint machine, paint etc. as required.	15.00	Job	6312.00	94680.00	NDSR
8.2	Painting of all 33/11 kV GSS steel towers/gantries/structures with approved aluminium (silver) paint, including thorough surface preparation by wire brushing/scraping to remove rust, scale, oil, grease and loose paint, application of one coat of approved red oxide zinc chromate primer and two coats of aluminium (silver) paint of approved make and shade, complete in all respects as per relevant IS standards, manufacturer's specifications and directions of Engineer-in-Charge.	1.00	Job	62292.00	62292.00	NDSR
9	Dehydration of Transformer oil the required BDV of 50 KV at standard gap of 2.5 mm of electrode i/c testing oil with the help of suitable equipment before & after dehydration at site complete i/c refilling oil for top up the tank etc. as reqd. BDV report of oil before filtration and after filtration should be submitted & duly verified by IITJ Engineer.	35000.00	Ltr.	10.00	350000.00	NDSR
10	Repairing of 11KV GO lock assembly including lubrication on moving parts, replacing of spares (if required) etc as required.	10.00	Each	4444.00	44440.00	NDSR
11	Repairing of complete yard (33KV & 11KV) VCB panel lock, cable gland, gaskit packing, closing of extra opening, wire & fuse repalcement (if required), and any other misc works including providing required material etc as required.	1.00	L.S.	34607.00	34607.00	NDSR

12	Testing of all disk and insulator complete (33KV & 11KV) yard i/c IR test report and report required to be submitted after testing etc as required.	1.00	L.S.	34607.00	34607.00	NDSR
13	Supply and filling of SF <sub>6</sub> gas in existing RMU, including testing, topping-up to required pressure, and making the RMU fully operational, complete as per OEM recommendations and directions of Engineer-in-Charge.	2.00	JOB	44297.00	88594.00	NDSR
14	Supplying and erection of 33 KV pin insulator complete with large steel head G.I. pin, nuts, washers etc. as required	1.00	Set	928.00	928.00	14.23
15	Supplying and erection of a set of three 11 KV disc insulator for 33 KV over head lines with galvanised insulator fittings, ball and socket type and complete with galvanised strain clamps, bolts, nuts, washers etc. as required.	1.00	Set	3122.00	3122.00	14.24
16	Supply, Installing, testing and commissioning of 3 Core x 400 sqmm, HT cable, 11 KV, XLPE armoured, insulation with conducting compound in combination with copper tape, inner sheath PVC, G.I. flat strip, overall PVC sheathed cable with aluminium conductor etc. conforming to IS 7098(Part-2) 2011 with upto date amendments etc. as required. The work also includes laying of cable, termination, and making necessary jumpers for connection with the existing GO switch / existing busbar, complete in all respects as required. (Note:- All cables should be as per CTL standard.)	50.00	Meter	3629.00	181450.00	NDSR
17	Supply, Installing, testing and commissioning of 3 Core x 300 sq.mm, 33 kV grade, XLPE insulated, aluminium conductor, armoured HT cable, with extruded semiconducting conductor screen, XLPE insulation, extruded semiconducting insulation screen, copper tape metallic screen, inner sheath of PVC, GI wire/strip armouring, and overall PVC outer sheath, suitable for underground installation, conforming to IS 7098 (Part-2):2011 with latest amendments, including routine tests, inspection, handling, testing at site and commissioning, complete in all respects as required. The work also includes laying of cable, termination, and making necessary jumpers for connection with the existing GO switch / existing busbar, complete in all respects as required. (Note:- All cables should be as per CTL standard.)	30.00	Meter	3984.00	119520.00	NDSR

18	Supplying and erection of single piece nonlinear resistor type lightning arrestor suitable for 3 wire, 33 KV overhead lines with rated voltage 30 KV (rms) with a nominal discharge current rating of 10 KA (station class) and complete with galvanised clamping arrangement, G.I. bolts, nuts, washers etc. as required.	2.00	Set	18176.00	36352.00	14.25
19	Supplying and erection of three piece nonlinear resistor type lightning arrestor suitable for 3 wire, 11 KV overhead lines with rated voltage 9 KV (rms) with a nominal discharge current rating of 5 KA and complete with galvanised clamping arrangement, G.I. bolts, nuts, washers etc. as required.	6.00	Set	2854.00	17124.00	14.13

**PART B - Annual regular maintenance activities, including Supply, Installation, Testing & Commissioning (SITC) of materials, PPE, and maintenance equipment**

II	<b>SERVICING OF E&amp;M Machinery/ Equipment's through OEM/Authorized Service centre /Specialized agency only.</b>					
20	Supplying and replacing of silica gel in the exiting breather tanks (Main tank + OLTC tank) of various capacity transformer (500/1000/ 1500/1600/5000 KVA) i/c cleaning etc. as reqd.	50.00	Kg	325.00	16250.00	NDSR
21	<p>Servicing of 800/1600/2000/3200/4000 Amp capacity 3 phase, 415 volts withdrawal type LT ACB complete with removal from panel board opening / dismantling of required parts for servicing, checking, cleaning of ARC chutes, testing and rectification of defects, oiling and greasing of moving gear assembly, coil and motor resistance measurement, insulation resistance measurement, mechanism &amp; contact clean through CRC/WD 40</p> <p>etc., and contacts i/c reassembly, recommissioning in LT panel complete as reqd. It includes the Calibration of Relays and getting it verified from IITJ Engineer and submitting to IITJ along with as per attached schedule report.</p> <p>Note: Any spare parts/ defect parts etc. shall be required to be replaced by the contractor on observation during service. The replaced parts shall be paid extra. ( Details of ACB are enclosed as Annexure-II)</p>	102.00	Job	11766.00	1200132.00	NDSR

22	Complete Servicing of 11 KV, 400/630 A, 20kA/ 3 sec, Outdoor, Extensible type Ring mainunit (RMU) (02 no for line in or out + I SF6 = 08 Nos + 08 nos of SF6 (Extension in existing RMU)) including dismantling and reassembling the same. It includes the servicing the RMU, calibration of RMU relays, CT testing, protection relay testing, over current, earth fault relay etc., & other accessories as per OEM recommendation and duly verifying the Calibration/service report from IITJ Engineer. (Make of RMUs Schneider, ABB, CG). <b>Note:</b> Any spare parts/ defect parts etc shall be required to be replaced by the contractor on observation during service. The replaced parts shall be paid extra.	8.00	Job	24917.00	199336.00	NDSR
23	Supply and filling of Transformer Oil as per IS 335 standard including freight charges & filling of oil in transformer tank during servicing/dehydration etc. as required.	660.00	Liters	131.00	86460.00	NDSR
24	Routine test of various capacity of transformer (500/1000/1600/5000 KVA) i/c checking all termination (HT, LT & RMU side), meggering on both side (HT & LT ) side of transformer, cleaning of termination, replacing of gasket if required, OTI and WTI calibration, checking earthing value (Transformer body and neutral point) etc. as required. <b>Note:</b> Any spare parts/ defect parts etc. shall be required to be replaced by the contractor on observation during service. The replaced parts shall be paid extra.	23.00	Job	29070.00	668610.00	NDSR
III	<b>Supply, installation, testing and commissioning of following material at IIT Jodhpur including transportation, loading, unloading etc. compatible with the existing installation or as per approval of Engineer in Charge. Note:- All supply items shall be installed or replaced as per Department instruction, including all fixing accessories like PVC gitti, screw, nails, saddle, Fastener (anchor/pin type) etc. as per requirement. Nothing shall be paid extra for providing fixing accessories like PVC gitti, nails saddle, fastener etc. as required.</b>					
	<b>Electrical Accessories and other material -</b>					
25	R,Y,B,G LED indicator for existing HT and LT panel.	30.00	Each	337.00	10110.00	NDSR
26	Supply, Installation, Testing and Commissioning (SITC) of DG set batteries on buyback mode of required following capacity, strictly as per OEM specifications and recommendations, suitable for the existing DG sets, complete in all respects including inter-cell connectors, terminal clamps, battery stand (if required), initial charging, testing under load, and making the DG set fully operational, as per the directions of the Engineer-in-Charge. ( Model :- Sudhir / Kirloskar )					
26.1	12 Volt 180 AH	2.00	Each	22340.00	44680.00	NDSR

26.2	12 Volt 150 AH	2.00	Each	19524.00	39048.00	NDSR
26.3	12 Volt 130 AH	2.00	Each	15653.00	31306.00	NDSR
26.4	12 Volt 100 AH	2.00	Each	12838.00	25676.00	NDSR
27	Metal Push Button for existing HT and LT panel.	5.00	Each	234.00	1170.00	NDSR
28	Supply, installation, testing and commissioning of multifunction digital energy / power meter, suitable for 3-phase, 4-wire LT system, 415 V AC, 50 Hz, CT-operated, with LCD display, capable of measuring and indicating voltage, current, frequency, active / reactive / apparent power, power factor and energy, having accuracy class 0.5S, with harmonic analysis up to 31st order, provided with RS-485 communication port (Modbus RTU), featuring data logging with 12 a.m. snapshot, kgCO <sub>2</sub> / energy emission counters, panel-mounted type (96 × 96 mm or equivalent), conforming to relevant IS/IEC standards, complete in all respects as per directions of Engineer-in-Charge.					
28.1	Schneider PM2230	1.00	Each	33035.00	33035.00	NDSR
28.2	Schneider PM2220	1.00	Each	30249.00	30249.00	NDSR
29	Local/Remote selector switch of 10 Amp with three positions (Local/Remote/Off) . (Make :-L&T/Seimens/ ABB/Schneider/Legrand.)	4.00	Each	516.00	2064.00	NDSR
30	Neutral/Trip/Close Breaker control selector switch of 25 Amp with three positions (Neutral/Trip/Close) . (Make :- L&T/Seimens/ ABB/Schneider/Legrand.)	2.00	Each	1062.00	2124.00	NDSR
31	Multi step switches without off 3 Way 0/1/2 of 6 Amp with three positions (0/1/2) selector switch. (Make :- L&T/Seimens/ ABB/Schneider/Legrand.)	4.00	Each	604.00	2416.00	NDSR
32	Replacing of existing (broken) panel lock/hinges with new lock/hinges etc. as required as per existing panel requirement.	20.00	Job	692.00	13840.00	NDSR
33	Current transformer (CT) ring type/square type, Dry type, air cooled, of given rating, made of copper, 0.2 accuracy, single phase for following rating given below - Make (L&T/ Siemens/Schneider or equivalent make)					
33.1	60/5 Amp, ISI Marked.	1.00	Each	1896.00	1896.00	NDSR
33.2	100/5 Amp, ISI Marked.	1.00	Each	2411.00	2411.00	NDSR
33.3	250/5 Amp, ISI Marked.	1.00	Each	3255.00	3255.00	NDSR
33.4	500/5 Amp, ISI Marked.	1.00	Each	3975.00	3975.00	NDSR

34	Supplying, fixing, testing and commissioning of following rating Motorized Mechanism for MCCB, suitable for automation purpose, in existing cubicle panel board, including necessary modification such as drilling holes, making connections, etc. as required. Make:- (Schneider, ABB, L&T, Legrand, Lauritz Knudsen)					
34.1	250 Amp	2.00	Each	31240.00	62480.00	NDSR
34.2	400-630 Amp	2.00	Each	45334.00	90668.00	NDSR
35	Supplying, fixing, testing and commissioning of Under Voltage /Opening Release /Closing release coil suitable for operation in existing Schneider/LT/ABB/Legrand/Lauritz Knudsen make ACB , including making necessary connections, settings and adjustments for proper operation, complete as required.	10.00	Each	8257.00	82570.00	NDSR
36	Supply, installation, testing and commissioning and fixing of following rating and pole Contactor with auxiliary block in existing cubical panel board including connections, testing and commissioning etc as required.( Make :- L&T,Lauritz Knudsen, ABB,Legrand,Schneider)					
36.1	250 Amp 4 pole AC1 220V 4NO contactor	1.00	Each	40999.00	40999.00	NDSR
36.2	700 Amp 4 pole AC1 220V 4 NO contactor	1.00	Each	195033.00	195033.00	NDSR
37	Supply, installation, testing and commissioning of following rating Capacitor Duty Contactor with auxiliary contact block in existing cubical panel board including connections, testing and commissioning etc as required. ( Make :- L&T,Lauritz Knudsen, ABB,Legrand,Schneider)					
37.1	Contactor 12.5 KVAR 240 VAC	1.00	Each	6563.00	6563.00	NDSR
37.2	Contactor 25 KVAR 240 VAC	1.00	Each	10293.00	10293.00	NDSR
37.3	Contactor 32 KVAR 240 VAC	1.00	Each	20708.00	20708.00	NDSR
37.4	Contactor 60 KVAR 240 VAC	1.00	Each	31310.00	31310.00	NDSR
37.5	Contactor 110 KW 3 pole 240 VAC with retrofit base	1.00	Each	49738.00	49738.00	NDSR
38	Supply, installation, testing and commissioning of control relay with auxiliary contact block contactor , 2 NO + 2 NC contacts, rated voltage up to 690 V, with 220 V AC coil, complete as required.( Make :- L&T,Lauritz Knudsen, ABB,Legrand,Schneider)	10.00	Each	2988.00	29880.00	NDSR
39	SITC of 8 step APFC relay in existing LT panel, including wiring, testing, commissioning and integration with capacitor bank, complete as per OEM specifications and directions of Engineer-in-Charge.( Make :- L&T,Lauritz Knudsen, ABB,Legrand,Schneider)	1.00	Each	26009.00	26009.00	NDSR

40	Supply, Installation, Testing and Commissioning (SITC) of Micrologic 2 ( $\mu$ P-ASIC based) / TMD / MA protection, complete with shunt trip and Ground Fault Protection (GFP), installed in existing LT panel, including all accessories, wiring, testing and commissioning, as per OEM specifications and directions of the Engineer-in-Charge suitable for NSX series 400/630 Amp MCCB . ( Make :- L&T,Lauritz Knudsen, ABB,Legrand,Schneider)	2.00	Each	12643.00	25286.00	NDSR
41	SITC of Electronic Timer (Series Micon® 225 or equivalent) having feature Multi Function Timer with 1 Instant & 1 Delayed C/O in existing panel, including wiring, testing and commissioning, complete as per manufacturer's specifications and directions of Engineer-in-Charge.	20.00	Each	1638.00	32760.00	NDSR
42	Supply, installation, testing and commissioning of indoor type Can (Cylindrical ) type LT shunt power capacitor of required capacity ( kVAr), 415 V, 50 Hz, heavy-duty, self-healing polypropylene dielectric, low loss type, complete with built-in discharge resistor and terminal cover, suitable for power factor improvement, conforming to IS 13340 / IEC 60831, complete in all respects as per directions of Engineer-in-Charge. ( Make :- L&T,Lauritz Knudsen, ABB,Legrand,Schneider)					
42.1	12.5 KVAR	1.00	Each	6973.00	6973.00	NDSR
42.2	15 KVAR	1.00	Each	8293.00	8293.00	NDSR
42.3	25 KVAR	1.00	Each	13710.00	13710.00	NDSR
42.4	30 KVAR	1.00	Each	16495.00	16495.00	NDSR
42.5	50 KVAR	1.00	Each	26556.00	26556.00	NDSR
43	Supply, installation, testing and commissioning of indoor type detuned reactor of 7% impedance, suitable for use with LT shunt power capacitors of required capacity kVAr), 415 V, 50 Hz, copper wound, air-cooled, low loss design, suitable for harmonic suppression (tuned to approx. 189 Hz), complete with mounting arrangement, terminal markings and protections, conforming to IS/IEC standards, complete in all respects as per directions of Engineer-in-Charge. ( Make :- L&T,Lauritz Knudsen, ABB,Legrand,Schneider)					
43.1	12.5 KVAR	1.00	Each	29364.00	29364.00	NDSR
43.2	15 KVAR	1.00	Each	33431.00	33431.00	NDSR
43.3	25 KVAR	1.00	Each	40835.00	40835.00	NDSR
43.4	50 KVAR	1.00	Each	69214.00	69214.00	NDSR

44	Supply, installation, testing and commissioning of programmable logic automation (PLA) / multifunction control relay, Omron / Salzer make or equivalent, suitable for panel mounting, having 24 V DC control supply, minimum 2 changeover (2C) output contacts, programmable logic functions including timers, counters, sequencing and interlocking, with LED status indication, compatible programming interface/software, conforming to relevant IS/IEC standards, complete in all respects as per directions of Engineer-in-Charge.	5.00	Each	377.00	1885.00	NDSR
45	Supply, installation, testing and commissioning of microprocessor-based protection trip unit for Air Circuit Breaker (ACB), Schneider Electric / ABB / Legrand / Larsen & Toubro / Lauritz Knudsen make or equivalent, Micrologic 6.0E or equivalent, with integral digital display, suitable for LT ACBs, providing LSIG protection (Long-time, Short-time, Instantaneous and Earth fault), true RMS current measurement, adjustable protection settings, fault indication and event memory, energy metering features as applicable, compatible with draw-out ACBs, conforming to IS/IEC 60947-2, complete in all respects as per OEM recommendations and directions of Engineer-in-Charge.	1.00	Each	18273.00	18273.00	NDSR
46	Supply, installation, testing and commissioning of digital three-phase voltmeter and ammeter, suitable for 3-phase, 4-wire LT system, 415 V AC, 50 Hz, true RMS type, capable of measuring and displaying line/phase voltages and currents, accuracy class 0.5S, with bright LCD / LED display, panel-mounted type (96 × 96 mm or equivalent), ammeter CT-operated with selectable CT ratio, auxiliary supply as required, conforming to relevant IS/IEC standards, complete in all respects as per directions of Engineer-in-Charge.	4.00	Each	3293.00	13172.00	NDSR
IV	<b>Supply and providing of the following electrical tools and safety accessories, ISI marked / conforming to relevant IS standards, complete in all respects, including transportation, handling, and delivery at site, as directed by the Engineer-in-Charge.</b>					
47	PPE Equipment and Safety Tools & Tackles (Electrical Works)					
47.1	Screwdriver set having different size of screwdriver spindle 6.0, 0.8, 3.5, 0.5, Philips 0 square poker, Philips 1, Make-Taparia, Cat No. 802.	12.00	Each	324.00	3888.00	NDSR
47.2	Combination plier insulated with thick C.A. sleeves. Length 210mm, confirming to IS NO. 3650-1981, Make -Taparia, Cat NO. 1621-8/1621-8N.	12.00	Each	324.00	3888.00	NDSR
47.3	Tester Neon Glow Light 200 mm PVC Insulated Sleeve withstands upto 2000 V DC	12.00	Each	64.00	768.00	NDSR

47.4	Allen key set of 09 PCS set (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10), Make Taparia, Cat No. AKM-9.	1.00	Set	279.00	279.00	NDSR
47.5	Complete socket set (Bihexagonal & hexagonal socket set) Socket: 8,9,10,11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 26, 27, 28, 29, 30 & 32mm Accessories: 1753, 1763, 1773, 1733, 1715. Make-Taparia. Cat No. BMS14MXL& BMS174XL,	1.00	Set	4124.00	4124.00	NDSR
47.6	High-class Carbon Steel Hydraulic crimping tool 16- 400 sq. mm pressure 20 ton having die size 16, 25, 35, 50, 70, 95, 120, 150, 185, 240, 300, 400mm <sup>2</sup>	1.00	Each	6148.00	6148.00	NDSR
47.7	Blower 650 W Motor Airflow of 3.7 m <sup>3</sup> /min Lightweight & Ergonomic Design Compatible with Multiple Nozzle Attachments 1.7 kg Professional Blower Make :Bosch	1.00	Each	3107.00	3107.00	NDSR
47.8	Multimeter ( clamp meter ) range 1000 amp Make -Meco	3.00	Each	820.00	2460.00	NDSR
47.9	Rotary Hammer 800 W Rated Speed 0-900 rpm Impact Rate 0-4000 BPM Impact energy 2.7 J Comes with 13 mm Drill Chuck with adapter Make - Bosch	1.00	Each	16285.00	16285.00	NDSR
47.10	Hand gloves suitable for up to 11 KV, gloves length >355 mm, thickness of gloves > 2.3 mm, colour (red, yellow, white), as per IS 13774 etc as required.	12.00	Each	758.00	9096.00	NDSR
47.11	Hand gloves suitable for up to 33 KV, gloves length >355 mm, thickness of gloves > 3.6 mm, colour (red, yellow, white), as per IS 13774 etc as required.	2.00	Each	1243.00	2486.00	NDSR
47.12	Safety helmet size 500-600mm, colour (yellow, green, white, red, grey), with cable clip provision, BIS Marked, as per IS 2925 etc as required	12.00	Each	292.00	3504.00	NDSR
47.13	Earth discharge rod suitable up to 11KV, Hook type, rod material -FRP, FRP rod length 3x5 feet, Dia of rod bottom 32mm, size of wire 06 sqmm copper wire, length of copper wire 6 to 10 meter complete with fixing arrangement etc as required. Make - Honeywell, KUSAM MECO.	10.00	Each	8494.00	84940.00	NDSR
47.14	Earth discharge rod suitable up to 33 KV, Hook type, rod material -FRP, FRP rod length 3x5 feet, Dia of rod bottom 32mm, size of wire 06 sqmm copper wire, length of copper wire 6 to 10 meter complete with fixing arrangement etc as required. Make - Honeywell, KUSAM MECO.	6.00	Each	9769.00	58614.00	NDSR

47.15	12-Inch (305mm) Adjustable Spanner - Forged Chrome Vanadium Steel with Precision Jaws and Insulated Grip, 35mm Jaw Opening for Tightening, Loosening, and Plumbing Make :-Taparia Cat No.1173-12	1.00	Each	530.00	530.00	NDSR
47.16	Spanner D type set having sizes - 6x7,8x9,10x11,12x13,14x15,16x17,18x19,20x22,21x23,24x27,25x28,30x32 Make Taparia, Cat No. DER12	2.00	Set	1002.00	2004.00	NDSR
47.17	Ring spanners set having sizes - 6x7,8x9,10x11,12x13,14x15,16x17,18x19,20x22,21x23,24x27,25x28,30x32 Make Taparia, Cat No. 1812	2.00	Set	1480.00	2960.00	NDSR
47.18	Angle Grinder 800W Power No-load Speed of 11000 RPM Versatile Cutting and Grinding Tool M10 Grinding Spindle Thread 100 mm Disc Make -Bosch	1.00	Each	2779.00	2779.00	NDSR
47.19	Heavy Duty Ratchet Type Crimping Pliers Made from Steel Alloy (Hardened and Tempered)(0.5 - 6 mm capacity) Make Taparia, Cat No. CTR06	1.00	Each	948.00	948.00	NDSR
47.20	Safety shoes of good quality, height Low shoe, antistatic footwear, colour black, outer outsole polyurethane, closing with laces, toe cap metallic, (Size-UK 07, 08, 09, 10, 11 & 12), as per IS 15298 etc as per required.	12.00	Each	691.00	8292.00	NDSR
47.21	T set of 09 PCS set (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10), Make Taparia, Cat No. TAKM9	1.00	Set	976.00	976.00	NDSR
47.22	Earth resistance Tester Battery Powered Make- Wako	1.00	Each	4342.00	4342.00	NDSR
47.23	Aluminum ladder 8 feet A type Heavy duty foldable ladder with platform	1.00	Each	9096.00	9096.00	NDSR
47.24	Aluminum ladder 15 feet A type Heavy duty foldable ladder with platform	1.00	Each	19218.00	19218.00	NDSR
47.25	Electric Grass Trimmer (Solo Tool) 26 cm Brushless Motor Anti-Tangle Technology Lightweight Easy Line Management Make:- Bosch	1.00	Each	26268.00	26268.00	NDSR
V	<b>Termination kit, MCCB, fault detector, excavation work etc.</b>					
48	Supplying and making indoor cable end termination with heat shrinkable jointing kit complete with all accessories including ferrule suitable for following size of 03 core, XLPE aluminum conductor cable of 11KV grade etc as required.					
48.1	3x400sqmm	4.00	Each	5612.00	22448.00	NDSR

49	Supplying and making outdoor cable end termination with heat shrinkable jointing kit complete with all accessories including ferrule suitable for following size of 03 core, XLPE aluminum conductor cable of 11KV grade etc as required.					
49.1	3x400sqmm	6.00	Each	6663.00	39978.00	NDSR
50	Supplying and making straight through cable jointing with heat shrinkable jointing kit complete with all accessories including ferrule suitable for following size of 03 core, XLPE aluminum conductor cable of 11 KV grade etc as required.					
50.1	3x400sqmm	3.00	Each	20026.00	60078.00	NDSR
51	Supplying and making outdoor cable end termination with heat shrinkable jointing kit complete with all accessories including ferrule suitable for following size of 03 core, XLPE aluminum conductor cable of 33 KV grade etc as required.					
51.1	3x300 sqmm	5.00	Each	13731.00	68655.00	NDSR
52	Supplying and making straight through cable jointing with heat shrinkable jointing kit complete with all accessories including ferrule suitable for following size of 03 core, XLPE aluminum conductor cable of 33 KV grade etc as required.					
52.1	3x300 sqmm	1.00	Each	35022.00	35022.00	NDSR
53	Detecting the underground 11KV cable fault location by providing the fault detector machine with operator including transportation etc within 24 hours of fault occur as required.	2.00	Each	34607.00	69214.00	NDSR
54	Excavation of the cable trenches in soft soil and depth up to 1.2 meter including dressing the side lift up to 1.5 meter, including getting out the excavated soil, refilling the sand and or good soil after laying of cable or pipe etc. in layer of 20cm, ramming, watering and disposal of surplus excavated soil as directed within a lead of 50 meters.	30.00	cum	830.00	24900.00	15.4
55	Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, Ics=100% Icu and Operational Voltage 690V etc. as required.					2.2
55.1	100 A, 16 KA,TPMCCB	1.00	Each	4003.00	4003.00	2.2.1
55.2	125 A, 16 KA,TPMCCB	1.00	Each	5103.00	5103.00	2.2.2
55.3	150 A, 16 KA,TPMCCB	1.00	Each	6326.00	6326.00	2.2.3
55.4	200 A, 16 KA,TPMCCB	1.00	Each	8111.00	8111.00	2.2.4
55.5	200 A, 25 KA,TPMCCB	1.00	Each	11586.00	11586.00	2.2.5

55.6	250 A, 25 KA,TPMCCB	1.00	Each	13647.00	13647.00	2.2.6
55.7	250 A, 35 KA,TPMCCB	1.00	Each	14584.00	14584.00	2.2.7
55.8	315 A, 35 KA,TPMCCB	1.00	Each	22644.00	22644.00	2.2.8
55.9	400 A, 35 KA,TPMCCB	1.00	Each	22644.00	22644.00	2.2.9
55.10	500 A, 35 KA,TPMCCB	1.00	Each	26812.00	26812.00	2.2.10
55.11	630 A, 50 KA,TPMCCB	1.00	Each	29222.00	29222.00	2.2.11
55.12	800 A, 50 KA,TPMCCB	1.00	Each	37895.00	37895.00	2.2.12
55.13	100 A,30KA,FPMCCB	1.00	Each	8127.00	8127.00	2.2.13
55.14	125 A,36KA,FPMCCB	1.00	Each	8644.00	8644.00	2.2.14
55.15	200 A,36KA,FPMCCB	1.00	Each	15956.00	15956.00	2.2.15
55.16	250 A,36KA,FPMCCB	1.00	Each	18372.00	18372.00	2.2.16
55.17	250 A,50KA,FPMCCB	1.00	Each	19313.00	19313.00	2.2.17
55.18	400 A,50KA,FPMCCB	1.00	Each	44663.00	44663.00	2.2.18
55.19	630 A,50KA,FPMCCB	1.00	Each	45108.00	45108.00	2.2.19
56	Supplying and making straight through joint with heat shrinkable kit including ferrules and other jointing materials for following size of PVC insulated and PVC sheathed / XLPE aluminum conductor cable of 1.1 KV grade as required.					11.4
56.1	3½ X 25 sq. mm	1.00	Each	2698.00	2698.00	11.4.17
56.2	3½ X 35 sq. mm	1.00	Each	2698.00	2698.00	11.4.18
56.3	3½ X 50 sq. mm	1.00	Each	2698.00	2698.00	11.4.19
56.4	3½ X 70 sq. mm	1.00	Each	3623.00	3623.00	11.4.20
56.5	3½ X 95 sq. mm	1.00	Each	3819.00	3819.00	11.4.21
56.6	3½ X 120 sq. mm	1.00	Each	4886.00	4886.00	11.4.22
56.7	3½ X 150 sq. mm	1.00	Each	4886.00	4886.00	11.4.23
56.8	3½ X 185 sq. mm	1.00	Each	4886.00	4886.00	11.4.24
56.9	3½ X 225 sq. mm	1.00	Each	5283.00	5283.00	11.4.25
56.10	3½ X 240 sq. mm	1.00	Each	5283.00	5283.00	11.4.26
56.11	3½ X 300 sq. mm	1.00	Each	6599.00	6599.00	11.4.27
56.12	3½ X 400 sq. mm	1.00	Each	8541.00	8541.00	11.4.28
Total DSR Amount					501086.00	
Total NDSR Amount					5664389.00	
Grand Total					6165475.00	

<u>Percentage BoQ</u>						
Tender Inviting Authority:						
Name of Work: Annual Repair and Maintenance of Complete Substations (33/11 kv & 11/0.415 kv) including all Transformer, LT Panel, HT Panel, RMU, feeder panel etc. for one-year at IIT Jodhpur Campus.						
Contract No: IITJ/OIE/2026-27/11.						
Name of the Bidder/ Bidding Firm/ Company:						
<b>PRICE SCHEDULE</b>						
(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only )						
NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT With Taxes in Rs. P	TOTAL AMOUNT In Words
1	2	3	4	5	6	7
1	Annual Repair and Maintenance of Complete Substations (33/11 kv & 11/0.415 kv) including all Transformer, LT Panel, HT Panel, RMU, feeder panel etc. for one-year at IIT Jodhpur Campus.	1.000	Nos	61,65,475.00	61,65,475.00	INR Sixty One Lakh Sixty Five Thousand Four Hundred & Seventy Five Only
Total in Figures					61,65,475.00	INR Sixty One Lakh Sixty Five Thousand Four Hundred & Seventy Five Only
Quoted Rate in Figures			Select		0.00	INR Zero Only
Quoted Rate in Words		INR Zero Only				