

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

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This Tender document contains pages One to fifty-six only.

NIT Amounting to ₹ 36,44,279/- (Rupees Thirty-Six Lakh Forty-Four Thousand Two Hundred Seventy-Nine 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/2026-27/19**
2. Name of Work : **Replacement of pump – motor along with associated electrical panel at Manaklao pump house**
3. Sub Head : **Mechanical / Electrical /Civil Work**
4. Estimated cost : **₹ 36,44,279/-**
5. Earnest Money : **₹ 72,886/-**
6. Period of completion : **04 Months**
7. Last time & date of submission of bid: **03/07/2026 up to 3:00 pm (online)**

The bid forms and other details can be obtained from the website <https://www.iitj.ac.in> or www.e-procure.gov.in **free of cost**. For more clarification you may visit the above website.

**Superintending Engineer
IIT Jodhpur**

Copy to: -

1. DOIP
2. ADEI
3. Executive Engineer (Civil)
4. Assistant Executive Engineer (Electrical-I)
5. **Assistant Executive Engineer (Civil-I)**
6. AR (Accounts)
7. 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/2026-27/19.	<p>Name of work: - Replacement of pump-motor along with associated electrical panel at Manaklao pump house</p> <p>Sub Head: - (Mechanical / Electrical / Civil).</p>	₹ 36,44,279/-	₹ 72,886/-	Rs. 1000/-	04 Months

Last date and time of submission of financial & Technical bid :- 03/07/2026 up to 3:00 pm (online)

Date and time of opening of Online Technical bid :- 04/07/2026 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.

1. The successful bidders shall be required to submit a performance guarantee 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 is failed to deposit the performance guarantee within the specified period, full earnest money will be forfeited, and the tender shall be treated as void. The performance guarantee shall be initially valid up to the stipulated date of completion plus 06 months beyond. Performance Guarantee shall be:-

(a) 5% of tendered value or Estimated Cost Put to Tender (ECPT) (whichever is higher).

(b) Where the tendered amount is less than eighty percent (80%) of the Estimated Cost Put to Tender (ECPT), the Performance Guarantee, in addition to the requirement under (a) above, shall be increased by an amount equal to the difference between eighty percent (80%) of the ECPT and the tendered amount.

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

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

i) One similar (Mechanical / Electrical / Civil) work amounting to Rs. 29,15,423/-

Or

ii) Two similar (Mechanical / Electrical / Civil) work and each single work amounting to Rs. 21,86,567/-

Or

iii) Three similar (Mechanical / Electrical / Civil) work and each single work amounting to Rs. 14,57,712/-

Firms/Contractors must have satisfactorily completed the Works of the value as defined above during last 7 years ending on 31.05.2026.

iv) **Earnest money of ₹ 72,886.00/-** in the form of Demand Draft or Fixed Deposit Receipts **or through RTGS / NEFT** of a schedule bank drawn in favour of **Director, I.I.T. Jodhpur or online payment as per details given in NIT**. No relaxation in EMD will be allowed for MSME and MSEs as per CPWD works manual.

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. Information and Instructions for bidders posted on website shall form part of bid document.
6. 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.
7. **Completion certificates issued by an officer not below the rank of Executive Engineer or equivalent level shall be considered.**
 - **Similar work means “(Mechanical / Electrical / Civil)”.**
8. 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.
9. 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.
10. 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
11. The intending bidder must have valid class-III digital signature to submit the bid.
12. On opening date, the contractor can login and see the bid opening process. After opening the bids, he will receive the competitor bid sheets.
13. Contractor can upload documents in the form of JPG format and PDF format.
14. 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).
15. 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.
16. In e-Tendering intending bidder can quote his rates in figures only. The rates in words, amount of each item and total are generated automatically. Therefore, the rate quoted by the bidder in figures is to be taken as correct.
17. 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	:	Director, IIT Jodhpur
Account No.	:	3399101000631
IFSC Code	:	CNRB0003399
MICR Code	:	342015501
Name of Bank & Branch	:	Canara Bank & IIT Jodhpur.
18. **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.**
19. 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.
20. **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.

21. Bid validity shall be 90 days after opening of bids.

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

- i. Affidavit (on Rs. 10 non-judicial stamps 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 Engineer In-charge, 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. BOQ
- xi. Undertaking on Firm's Letter Head Regarding blacklist.
- xii. Affidavit as per Notice Inviting Tender Condition 1.2 of IITJ/CPWD -6 FOR e-TENDERING.
 1. Affidavit shall be purchased /notarized on or after NIT published date but on or before last date of submission of NIT.
 2. Affidavit must have "NIT/tender reference number" and "Name of work" and shall be used once for each fresh tender as per following.
 3. **No back dated affidavit** shall be entertained and non-compliance of point (i) & (ii) shall lead to rejection of the tender.
I/We undertake and confirm that eligible similar works(s) has/have not been 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 IITJ 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).

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 NAGAU 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.

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

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 charge. 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/(Mechanical /Electrical /Civil)/Fleet Management/ Computer Systems)	(Mechanical /Electrical /Civil) Work
Source of Fund (Institute/Project)	Institute NR 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	As per Tender Notice
Date and Time of Opening of Technical Bids	As per Tender Notice
Tender Fee	In the form of Demand Draft or Fixed Deposit Receipts or through RTGS / NEFT IIT Jodhpur Bank details are as under: Name of the Bank A/C: Director IIT Jodhpur Canara Bank A/C No.: 3399101000631
EMD	Name of the Bank: Canara Bank IIT Jodhpur, IFSC Code: CNRB0003399 MICR Code: 342015501
No. of Covers (1/2/3/4)	02 (Technical and Financial)
Bid Validity days	90 days (From the date of opening of bids)
Address for Communication	Assistant Executive Engineer - I, Office of Infrastructure, W- 1 Berm, IIT Jodhpur
Contact No.	0291-2801054
Fax No.	Nil
Email Address	oie@iitj.ac.in

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, preparing their bids in accordance with the requirements and submitting their bids online on the CPP Portal.

More useful information 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 / n Code / e Mudhra etc.), with their profile.
- 5) Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible for ensuring 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 user ID / password and the password of the DSC / e Token.

SEARCHING FOR TENDER DOCUMENTS

- 1) There is various search options built in the CPP Portal, to facilitate bidders to search for 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 documents have to be submitted, the number of documents - including the names and content of each of the documents 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 options.
- 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 for 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 repeatedly. 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 uploads 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 colored (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 people 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 at 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 contract of IIT Jodhpur, the following terms may be read as:

S. No.	As per Standard Forms	To be read as
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

Superintending Engineer
Office of Infrastructure Engineering.

Terms & Conditions Details

S. No.	Specification
1.	Due date: 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.	Preparation of Bids: 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.	EMD (if applicable): As per NIT
4.	Refund of EMD: As per NIT
5.	Opening of the tender: As per Tender Notice, NIT & IITJ/CPWD form 7/8
6.	Acceptance/ Rejection of bids: The Committee reserves the right to reject any or all offers without assigning any reason.
7.	Pre-qualification criteria: Mentioned in Tender notice
8.	Performance Security: Mentioned in Tender notice
9.	Force Majeure: As per IITJ/CPWD form 7/8
10.	Risk & Cost Clause: As per IITJ/CPWD form 7/8
11.	Delivery and Documents: As per Tender Notice & NIT & IITJ/CPWD form 7/8
12.	Delayed delivery: As per Tender Notice & NIT & IITJ/CPWD form 7/8
13.	Prices: As per Tender Notice & NIT & IITJ/CPWD form 7/8
14.	Progress of Work: As per Tender Notice & NIT & IITJ/CPWD form 7/8
15.	Inspection and Tests: As per Tender Notice & NIT & IITJ/CPWD form 7/8
16.	Resolution of Disputes: As per Tender Notice & NIT & IITJ/CPWD form 7/8
17.	Applicable Law: As per Tender Notice & NIT & IITJ/CPWD form 7/8
18.	Supplier Integrity: As per Tender Notice & NIT & IITJ/CPWD form 7/8
19.	Training: As per Tender Notice & NIT & IITJ/CPWD form 7/8
20.	Installation & Demonstration: As per Tender Notice & NIT & IITJ/CPWD form 7/8
21.	Incidental services: As per Tender Notice & NIT & IITJ/CPWD form 7/8
22.	Defect liability Period: As per Tender Notice & NIT & IITJ/CPWD form 7/8
23.	Governing Language: As per Tender Notice & NIT & IITJ/CPWD form 7/8
24.	Applicable Law: As per Tender Notice & NIT & IITJ/CPWD form 7/8
25.	Notices: As per Tender Notice & NIT & IITJ/CPWD form 7/8
26.	Taxes: As per Tender Notice & NIT & IITJ/CPWD form 7/8
27.	Termination for Default: As per Tender Notice & NIT & IITJ/CPWD form 7/8
28.	Disputes and Jurisdiction: As per Tender Notice & NIT & IITJ/CPWD form 7/8
29.	Completion certificate: 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	Affidavit as per Notice Inviting Tender Condition 22 (i) page 5 of NIT.	
2	Proof of deposit of Tender Fee and EMD.	
3	Attested copy of work experience certificate.	
4	Attested copy of valid PAN, GSTIN Registration	
5	Attested copy of up to date filed return of GST	
6	Acceptance to execute Integrity Pact.	
7	FORM "F" (Duly filled with all relevant required details).	
8	Undertaking on Firm's Letter Head Regarding blacklist	
9	List of Govt. Organization as per Annexure-II	
10	BOQ	
11	Affidavit as per Notice Inviting Tender Condition 1.2 of IITJ/CPWD -6 FOR eTENDERING	
12	Electrical Contractor License	

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 (Mechanical / Electrical / Civil) 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 tender.
- 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) Affidavits 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 below: -

"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 or 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 bidders shall be required to submit a performance guarantee 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 is failed to deposit the performance guarantee within the specified period, full earnest money will be forfeited, and the tender shall be treated as void. The performance guarantee shall be initially valid up to the stipulated date of completion plus 06 months beyond. Performance Guarantee shall be:-**
 - (a) **5% of tendered value or Estimated Cost Put to Tender (ECPT) (whichever is higher).**
 - (b) **Where the tendered amount is less than eighty percent (80%) of the Estimated Cost Put to Tender (ECPT), the Performance Guarantee, in addition to the requirement under (a) above, shall be increased by an amount equal to the difference between eighty percent (80%) of the ECPT and the tendered amount.**
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 tender 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 tender for the works shall remain open for acceptance for a period of Ninety (90) days from the date of opening of tender. 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 Tenders 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.
20. 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: - Replacement of pump- motor along with associated electrical panel at Manaklao pump house

Sub Head: - (Mechanical / Electrical / Civil) 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 Nagour Road Karwar
Jodhpur Rajasthan.

Subject: Replacement of pump- motor along with associated electrical panel at Manaklao pump house.

Sub Head: (Mechanical/ Electrical/ Civil) 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 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)

INTEGRITY PACT e-TENDERING	I.I.T.J
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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 aton this.....day of..... 2.....

BETWEEN

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

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

'Principal/Engineer In-charge', 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 / Engineer In-charge 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/Engineer In-charge values full compliance with all relevant laws of the land, rules, regulations, economic use of resources and of fairness/transparency in its relationship 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 below:

Article 1: Commitment of the Principal/Engineer In-charge

- 1) The Principal/Engineer In-charge commits itself to take all measures necessary to prevent corruption and to observe the following principles:
 - (a) No employee of the Principal/Engineer In-charge, personally or through any of his/her family members, will, in connection with the Tender, or the execution of the Contract demand, make 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/Engineer In-charge will, during the Tender process, treat all Bidder(s) with equity and reason. The Principal/Engineer In-charge 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/Engineer In-charge shall endeavor to exclude from the Tender process any person whose conduct in the past has been of biased nature.
- 2) If the Principal/Engineer In-charge 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/Engineer In-charge 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 become 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 necessary measures 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/Engineer In-charge'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 be used improperly, (for the purpose of competition or personal gain), or pass on to others, any information or documents provided by the Principal/Engineer In-charge 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/Engineer In-charge under law or the Contract or its established policies and laid down procedures, the Principal/Engineer In-charge 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/Engineer In-charge'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/Engineer In-charge 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/Engineer In-charge. **Such exclusion may be forever or for a limited period as decided by the Principal/Engineer In-charge.**
- 2) **Forfeiture of EMD/Performance Guarantee/Security Deposit:** If the Principal/Engineer In-charge 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/Engineer In-charge apart from exercising any legal rights that may have accrued to the Principal/Engineer In-charge, 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/Engineer In-charge 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/Engineer In-charge has substantive suspicion in this regard, the Principal/Engineer In-charge 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/ Engineer In-charge.
- 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/Engineer In-charge 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/Engineer In-charge will enter into Pacts on identical terms like this one with all Bidders and Contractors.
- 3) The Principal/Engineer In-charge will disqualify Bidders, who do not submit, the duly signed Pact between the Principal/Engineer In-charge 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 these 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/Engineer In-charge, 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 with their original intentions.
- 5) It is agreed term and condition that any dispute or difference arises between the parties with regard to the terms of this Integrity Agreement / Pact, any action taken by the Engineer In-charge/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/Engineer In-charge)

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

WITNESSES:

1.
(signature, name and address)
2.
(signature, name and address)

Place:

Dated:

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

Percentage Rate Tender & Contract for Works

Tender for the work of: Replacement of pump-motor along with associated electrical panel at Manaklao pump house.

Sub Head: - (Mechanical / Electrical / Civil) work

(C) To be submitted by **as per tender notice**
to.....

(C) To be opened in presence of bidders who may be present at **as per tender notice**

Issued to.....

Signature of officer issuing the documents

Designation.....

Date of Issue

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 the 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

Witness:

Postal Address

Address:

Occupation:

I.I.T.J– 7/8 e-TENDERING**I.I.T.J****ACCEPTANCE**

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

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

(a)

(b)

For & on behalf of IIT Jodhpur

Signature

Designation

Date.....

PROFORMA OF SCHEDULES	I.I.T.J
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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/IITJ Works 2023: GCC 2023 for Construction Works, Form-7 for CPWD works as amended up to last date of submission of bid

Name of work: Replacement of pump-motor along with associated electrical panel at Manaklao pump house.

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'

SCHEDULE 'F' (MECHANICAL / ELECTRICAL / CIVIL) Work	
General Rules & Directions:	
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
Definitions	
Engineer-in-charge	Assistant Executive Engineer (Electrical-1)
Accepting Authority	Deputy Director, IIT Jodhpur
Percentage on cost of materials and labor to cover all overhead & profits	15%
Standard schedule of Rates	<i>DSR 2023 (Civil) and DSR 2025 (Electrical) with up-to-date correction slips and market rate.</i>
Department	Office of Infrastructure Engineering, IIT Jodhpur
Standard IITJ contract Form	General Conditions of contract for CPWD for Construction Works 2023 as amended/modified up to last date of submission of bid.

CLAUSE 1		
(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

Clause -2	
Authority for fixing Compensation under Clause 2	Superintending Engineer, IIT Jodhpur
Clause 2A	
Whether clause 2A is applicable	Not applicable
Clause 5	
Number of days from the date of issue of letter of acceptance for reckoning date of start of work	10 Days
Time allowed for execution of work	4 Months

Authority to decide:		
(i)	Extension of time	Superintending Engineer, IIT Jodhpur
	Shifting of date of start in case of delay in handing over of site	Superintending Engineer, IIT Jodhpur
Clause 6, 6A		
Clause applicable -		Computerized measure book (CMB) / Electronic Measurement book (EMB)
Mode of measurement -		Computerized measure book (CMB)
Clause 7		
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		No
Clause 10 A		Yes
Clause 10 B		Yes
Clause 10B(ii)		
Whether Clause 10 B (ii) shall be applicable		No
Clause 10C		
Component of labour expressed as percentage of value of work		15 %
Clause 10CA and Clause 10CC escalation clause		Not Applicable
Schedule of components of other Materials, Labour, POL etc. for price escalation.		
Component of civil (except materials covered under clause 10CA) /Electrical construction Materials expressed as percent of total value of work. -		Xm.....%
Component of Labour -		Y..... %
Component of P.O.L. -		Z..... %
Clause 11		
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 2025 for electrical works with up-to-date correction slips & manufacturers specifications & NIT
Clause 12		
Type of work		Replacement of pump- motor along with associated electrical panel at Manaklao pump house.
12.2. & 12.3 Deviation Limit beyond which clauses shall apply for building work		NA
Clause 16		
Competent Authority for deciding reduced rates		Superintending Engineer, IIT Jodhpur
Clause 18		
List of mandatory machinery, tools & plants to be deployed by the contractor at site: -		
As per requirement and direction of Engineer-In-Charge		
Clause 25		
Constitution of Dispute Redressal Committee		Competent Authority to appoint DRC

(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.		1	2 or 5 respectively	Project Manager cum Planning/Quality/Site/Billing Engineer	Rs. 15000/- per month
-----N/A-----					
“Assistant Engineer retired from Government Services those are holding Diploma will be treated at par with Graduate Engineer”.					
Diploma holders 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.					
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 up to 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..... (here in after 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 thisday 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 has been notified of the acceptance of his tender by the Engineer-in-Charge:
 - (C) fails or refuses to execute the Form of Agreement in accordance with the Instructions to contractor, if required.
 - OR
 - (C) fails or refuses to furnish the Performance Guarantee, in accordance with the provisions of tender document and Instructions to contractor,
 - OR
 - (C) I fail or refuse 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

WITNESSSEAL

SIGNATURE OF THE BANK

(SIGNATURE, NAME AND ADDRESS)

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

TERMS AND CODITIONS OF CONTRACT

1. 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.
2. The Financial Bid must be submitted in BOQ/Price Bid only.
3. 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 his own employees deployed in the Institute.
4. In the case of any dereliction of duty, negligence, an unintended or intended damage caused by the Agency/ Firm or its staff pertaining to this agreement, or otherwise, any harm is done to the Institute, the Agency/ Firm shall make good the loss or pay the compensation, refund expenditure on legal/judicial proceedings as well as pay such penalty which the party of the first part may deem fit.
5. It would be responsibility of Agency/Firm to arrange all permission/ approvals from all local bodies/statutory bodies & nothing extra shall be paid on account of this by the Institute.
6. The Agency/ Firm shall be responsible for all injury and accidents to persons employed by him while on duty. It is desirable that all employees are covered under insurance cover.
7. All employees of the Agency/Firm shall be issued Identity Cards bearing their photographs. Photographs for identity cards shall 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.
8. 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.
9. 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.
10. The Agency/Firm shall obtain all other necessary approvals from statutory bodies as per applicable law in vogue.
11. The dismantled material which has scrap value needs to be handed over to Institute.
12. 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.
13. The Agency/ Firm shall not appoint sub-Agency/Firm to carry out any obligation under the contract.
14. The Agency/ Firm will take day-to-day instructions from the supervisory staff of the institute and shall maintain diary for the same.
15. The labours engaged by agency shall not be below age 18 years and no worker will be allowed to stay in the Institute campus.
16. 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.
17. 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.

18. The Agency/ Firm would sign and give an undertaking as per Performa every month for compliance with the provision of Contract Labour Act. Rule and other Law as applicable.
19. 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. 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 referring to IITJ/CPWD GCC form 7/8 in regard.
20. IIT Jodhpur is a 'No SMOKING ZONE' The Agency/ Firm should ensure that its employees DO NOT SMOKE while working on 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.
21. 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 engagement or employment and anything related to carrying 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.
22. 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.
23. Agency/ Firm shall deal with and settle 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.
24. 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 here under from time. Client will not own any responsibility in this regard.
25. Tenderers should not have conflict of interest. The tenderer found to have conflict interest shall be disqualified.
26. Joint ventures are not allowed.
27. **No Rebate** on account of small-scale industries or any other ground or on any other ground or documents shall be granted in this SPC/ Tender.
28. 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.
29. GST shall be applicable in this contract. NIT and the rules of Govt. of India of 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.
30. No escalation clause i.e., clause 10CC of IITJ/CPWD GCC form 7/8 is applicable in this NIT/ Contract.
31. **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.**
32. 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.
33. Non-Judicial stamp paper worth Rs. 10/- (Ten Rupees only) will be submitted by contractor **which will have to be signed as token of acceptance.**
34. No T & P will be supplied by the Institute and contractor will have to make his own arrangement.
35. 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 on account of any site conditions and ignorance of specifications & additional conditions. The work shall be carried out as per the availability of site.

36. The work shall be carried out as per CPWD specifications for civil and electrical work with up – to date correction slips unless otherwise specified in the nomenclature of individual item or in the specification, additional conditions where specifications are silent, the decision of Engineer-in-Charge shall be final and binding on contractor.
37. 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 to Heights & Depths, Leads & Lifts unless otherwise specified in the agreement or specifications applicable in the agreement.
38. Articles manufactured by the reputed firms and approved make list in tender.
39. 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.
40. 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.
41. 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 for taking sample, conveyance, packing etc. shall be borne by the contractor.
42. 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 must work accordingly.
43. The contractor shall make his own arrangement to get permission with respect to trucks from the Traffic Police.
44. 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.
45. 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.
46. The contractor shall be fully responsible for the safe custody of the material issued or brought to site by him for doing the work.
47. 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.
48. The contractor shall clean the site thoroughly of scaffolding materials, rubbish, equipment 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.
49. 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.
50. Agency has to take proper safety measures during the execution of work.
51. 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.
52. ESI & EPF shall be reimbursed as per norms on production of original receipt of ESI & EPF from contractor specific to this work.
53. The contractor shall submit the program of execution of work as per clause 5 of IITJ/CPWD GCC form 7/8 of NIT including list of workers to be deployed by contractor for this work.
54. Contractor shall be responsible for keeping site free of any kind of mosquito breeding. If it is found that breeding is taking place the entire responsibility shall be of contractor to bear challan etc. done by local bodies.
55. All the statutory obligations which are not covered in the bid document shall be reimbursed on actual basis after submission of proof of payment.

56. The rates for different items of work shall apply for all Heights & Depths, Leads & Lifts unless otherwise specified in the agreement or specifications applicable in the agreement. The Agency/ Firm must visit site (internal or external) area before quoting rates.
57. Final payment shall be released only after satisfactory completion of work.
58. 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.

Additional Terms and Condition for work's (Mechanical / Electrical / Civil) Work-

1. The order of preference in case of any discrepancy as indicated in condition no. 1 under "Terms and Conditions of contract" given in the Standard CPWD Contract form may be read as the following:
 - a. Nomenclature of item as per Schedule of Quantities/ BoQ.
 - b. Additional specifications, particular specifications and special conditions for Electrical Works.
 - c. General conditions.
 - d. Contract Clauses of General conditions of contract for CPWD 2023.
 - e. CPWD specifications for electrical works 2023 part- I or as applicable.
 - f. Architectural/ structural drawings and specifications mentioned in drawings.
 - g. Indian standard specifications of BIS.
 - h. Sound engineering practice as per directions of the Engineer-in-charge.
 - i. Manufacturer's specifications.
2. A reference made to any Indian Standard Specifications in these documents, shall imply reference to the latest version of that standard, including such revisions/amendments as issued by the Bureau of Indian Standards up to last date of receipt of tenders. The contractor shall keep at his own cost all such publications of relevant Indian Standards applicable to the work at site.
3. The main contractor shall engage eligible contractor for electrical work. The main contractor shall not indulge in procurement of electrical items and getting the work done on labour contract with the electrical contractor. The whole electrical component shall be executed by the eligible electrical contractor on a turnkey basis i.e. procurement of material & engaging labour. The associate electrical contractor shall submit the completion certificate of electrical work executed by him along with necessary test reports, completion plan etc.
4. The contractor should take all safety precautions to avoid accidents by exhibiting caution boards, red flags, red lights and by providing necessary barriers and all other measures required from time to time. The contractor shall be responsible for all damage and accidents due to negligence on his part.
5. The contractor shall give due notices to Municipality, Police and/or other authorities that may be required under the law/rules under force and obtain all requisite permission/licenses for temporary obstructions/enclosures and pay all charges which may be leviable on account of his execution of the work under the agreement. Nothing extra shall be payable on this account.
6. The contractor shall leave such recesses, holes, openings, etc., as may be required for the electric, air conditioning and other related works. (For this purpose, any required inserts, sleeves, brackets, conduits, base plates, insert plates, clamps etc. shall be arranged by the contractor and fix the same at the time of casting of concrete, stonework & brick work, if required, and nothing extra shall be payable on this account.
7. The contractor shall give a trial run of the equipment and machinery to establish its capability to achieve the specifications within laid down tolerances to the satisfaction of the Engineer-in-charge before commencement of work.
8. The work will be carried out in close coordination with the building work and other agencies. Conduits will be laid in the slab within the specified time, and it will have to be ensured that the casting of slabs is not delayed for want of laying of conduits. The conduits will also be laid in walls before the Plaster work is undertaken to avoid breaking cutting of plaster while making chase for laying of conduits subsequently. The contractor will have to employ adequate labour to carry out the work. No claim regarding the idle labour for any reason will be entertained by the Department.
9. All tools, plant and machinery provided by the contractor shall, when brought at the site, be deemed to be exclusively intended for the construction and completion of this work and the contractor shall not remove the same or any part thereof (save for the purpose of moving it from one part of the site to another) without the consent of the Engineer-in-charge.
10. No foreign exchange shall be made available by the department for the purchase of equipment, plants, machinery, materials of any kind or any other items required to be carried out in execution of work.

11. The contractor shall carry out his work, so as not to interfere with or hinder the progress or completion of the work being performed by other contractor (s) or by the Engineer-in-charge and shall as far as possible arrange his work and shall place and dispose of the materials being used or removed, so as not to interfere with the operations of other contractors, or he shall arrange his work with that of the others in an acceptable and coordinated manner and shall perform it in proper sequence to the entire satisfaction of Engineer-in-charge.
12. All items which are not covered while carrying out electrical work shall be removed and cleared up by the contractors as soon as the work is completed.
13. The contractor shall give the Engineer-in-charge every fortnight a progress report of the work done during the previous fortnight. The progress of work will be reviewed periodically by the Engineer-in-charge with the contractor and shortfalls, if any, sorted out. The contractor shall thereupon take such action as may be necessary to bring back his work to schedule without any additional cost to the department.
14. It shall be responsibility of the main contractor to sort out any dispute involved with the associated contractor without any time and cost overrun to the department. The main contractor shall be solely responsible for settling the dispute/litigation arising out of his agreement with the associate contractor. The contractor should ensure that the work shall not suffer on this account.
15. The main contractor shall be responsible for coordinating the activities of all works and essential progress of works as per milestone and laid down program.
16. The contractor shall be responsible for the watch and ward of the site/property/material provided by him and materials issued by the department against pilferage and breakage during the period of execution and thereafter till the work is completed and physically handed over to the department.
17. The contractor shall ensure quality construction in a planned and time-bound manner. Any sub-standard material or work beyond set out tolerance limits shall be summarily rejected by the Engineer-in-charge.
18. The contractor shall be required to make a sample of required job for each type at the earliest opportunity using all approved materials for approval of Engineer in charge before mass scale finishing works are taken up.
19. Even ISI marked materials shall be subjected to quality test at the discretion of the Engineer-in-charge besides testing of other materials as per the specifications described for the item/material. Whenever ISI marked, materials are brought to the site of work; the contractor shall, if required by the Engineer-in-charge, furnish manufacturers test certificates to establish that the materials procured by the contractor for incorporation in the work satisfy the provisions of IS codes relevant to the material and/or the work done.
20. The contractor shall have to engage well experienced skilled labour and deploy modern T&P and other equipment's to execute the work.
21. The firm shall use only electrically operated chase cutting machine for cutting the chases in the wall for recessed conduit wiring.
22. The contractor will have to make his own arrangement for storage of materials. No storage space shall be provided by department.
23. The contractor will have to make his own arrangement for water and power supply for execution of works.
24. The contractor will have to ensure that the skilled labour i.e. wireman etc., engaged in the execution of the work must possess valid electrical license, otherwise he will not be permitted to execute the work.
25. The associate contractors executing the electrical works must possess the valid electrical contractor license otherwise they will not be permitted to execute the electrical works.
26. Priority to arranging the material shall be decided by the department. However, material required for the work shall be brought to site only at the appropriate time keeping in view the progress of building works as well as (Mechanical / Electrical / Civil)s. Decision of Engineer-in -charge in this regard shall be final.

27. The contractor must contact his authorized representative, who will be receiving instructions in his absence. The contractor /his authorized representative is bound to sign the site order book as and when required by the Engineer-in-charge and to comply with the instructions therein.
28. Suitable back plates providing for fixing the wall brackets and ceiling flush fittings shall be supplied by the contractor free of cost.
29. It shall be responsibility of contractor to provide polythene/PVC plastic cover for all SDBs/meter boards/feeder pillars/panels etc. so as to protect them from wear & tear/damage during execution stage. Contractor shall provide the covers for the materials if any, being supplied departmentally also. Nothing extra shall be paid on this account.
30. Contractor is fully responsible for any kind of damage to the LT/HT cable during execution of work. No joints shall be allowed if the cable is damaged. Contractor has to be replaced with full length at its own cost.
31. The MCB should be of same make as that of MCB DBs.
32. Colour coding shall have to be adopted in the wiring system as per specification.
33. Tinned copper earthing lugs/Thimbles/ferrules shall be provided for termination of earth wire to all Metallic outlet boxes/fittings/fixtures/fan regulator/MCB DB/switch board/Meter board etc., properly crimped/brazed/soldered for which nothing extra shall be paid.
34. Suitable crimping tools shall be used for crimping the lugs/thimbles/ferrules. Nothing extra shall be paid on this account. The lugs/thimbles/ferrules pressed by conventional/ordinary pliers shall not be accepted.
35. A suitable brass/tinned copper neutral link shall be fixed at suitable place in the metallic outlet boxes of all sizes to terminate neutral wire properly. Nothing extra shall be paid on this account.
36. An earth termination with earth stud of brass/tinned copper i/c 2 no. metallic washers or suitable earth bar of Brass/tinned copper with tinned copper thimbles/ferrules/lugs should be suitably fixed at suitable place in the Metallic outlet box for termination of protective earth conductor. Nothing extra shall be paid on this account.
37. In the outlet boxes, phase from one switch to another switch shall be looped with suitable size of solid copper conductor. Nothing extra shall be paid on this account. Stranded conductor shall not be accepted.
38. Only required number of knockouts should be removed from Metallic outlet boxes for entry of conduits. If more than required number of knockouts are removed, the Metallic outlet box shall not be accepted.
39. Separate G.I. boxes shall be used for staircase light switches and bell pushes. Nothing extra shall be paid on this account.
40. To facilitate drawing of wires 16/18 SWG GI fish wire be provided along with laying of recessed conduit. Nothing extra shall be paid on this account.
41. Cable connection to switch gear is deemed to be included in the end termination. No extra payment shall be made for that.
42. Water and electricity will not be supplied by institute / organization. However, if requested by the contractor in writing and available with the organization, it may provide the necessary charges.
43. Guarantee/ Warranty of materials should be provided as per the OEM Standard and Guarantee/ Warranty Cards & certificates of materials should be submitted to the office of Engineer-in-charge.
44. Work shall be carried out in professional manner with finished product serving the intended purpose with specified strength, durability and aesthetics.
45. The contractor shall prepare all the needed shop drawings well in advance and get them approved before placing the order and execution of the item.
46. The Bidder is bound to carry out any items of work necessary for the completion of the job even though such items are not included in the schedule of quantities and rates. Schedule of instructions in respect of such additional items and their quantities with the prior consent from the Engineer In-charge. Rates for such items of work will be recommended by the Engineer In-charge with recommendations from the Architect for approval by the Engineer In-charge on the basis of Analysis of Rates which will be derived from actual prevailing market rates of similar items along with 15%

as bidder's profit & overhead. The rates approved by the Engineer In-charge in such cases will be final.

47. The Engineer In-charge may instruct at any stage of execution for testing of samples of any material taken at random. The Engineer In-charge will decide the testing laboratory / agency and the cost of testing including the expenses for sending the samples to the laboratory / agency and receipt of test reports shall be borne by the Bidder. The material shall be rejected if the test reports are not within the permissible limits.
48. The Bidder shall have to present the invoice for purchased material from the manufacturer or from the dealer along with the certificate from the manufacturer. In case material is found to be of sub-standard quality, the same shall be rejected by the Engineer In-charge. The decision of the Engineer In-charge in such cases will be final.
49. The bidder shall at his own cost, provide for all necessary storage on the site in specified areas for all materials such as steel, cement and such other materials which are likely to deteriorate by the action of sun, wind, rain, dampness or other natural causes due to exposure in the compounds or in stores in such a manner that all materials, tool etc. shall be duly protected from damage by weather or any other cause.
50. Materials required for the work, by the bidder, be stored by the bidder only at places approved by the Engineer In-charge. Storage and safe custody of materials shall be the responsibility of the bidder. All the materials including bidder's Tools & Plants brought by the bidder to the site shall become and remain the property of the Engineer In-charge and shall not be removed off the site without prior written approval of the Engineer In-charge/Engineer In-charge. But whenever the works are finally completed and advances, if any, in respect of such materials are fully recovered, the bidder shall at his own expense, forthwith removing from the site all surplus materials supplied by him and upon such removal, the same shall revert in and become the property of the bidder.
51. Manufacturer Authorization (MAF): - The bidder must submit a specific Manufacturer Authorization Form (MAF) from the OEM (Original Equipment Manufacturer) for the Pump and Motor, addressed to the Superintending Engineer, IIT Jodhpur, referencing this specific NIT number.
52. Performance Testing at Site: After installation, the contractor must demonstrate the pump performance (Discharge/Flow and Head) at the site in the presence of the Engineer-in-Charge. The contractor must arrange necessary gauges (pressure gauge, ammeter, multimeter, Ultrasonic Flow meter, vibration metering device) for this test.
53. Water Supply Shutdown Coordination: The work involves replacement of critical water supply infrastructure. The contractor must submit a plan to complete the work with minimum downtime. Any shutdown of the pump house must be approved 48 hours in advance by the Engineer-in-Charge.
54. Warranty Specifics: - Explicitly state the warranty period (e.g., "Defect Liability Period shall be 12 months from the date of successful commissioning and handing over").
55. The scope includes dismantling the existing pump, motor, and panel. The dismantled material must be transported and deposited at the IIT Jodhpur Central Store (or designated location) by the contractor at their own cost. A handover receipt from the storekeeper is mandatory for the final bill.
56. The contractor shall be responsible for minor civil work such as chipping, modification of existing concrete foundation, or fabrication of MS base channels to adapt the new Pump-Motor set to the existing plinth. No extra payment shall be made for these modifications.
57. The contractor shall be submitting the design & drawing of all the panels, piping arrangement & pump and installed bearing with technical specifications.

TECHNICAL SPECIFICATIONS FOR INTERNAL EI WORKS

1. All hardware items such as screws, thimbles, connectors, earth/neutral terminals, wires etc. which are essentially required for completing any item as per specifications will be deemed to have been included in the item even when the same has not been specifically mentioned.
2. All hardware material such as nuts/bolts/screws/washers etc. to be used in the work shall be zinc/cadmium plated iron. The galvanized boxes of modular switch/sockets etc. shall be of the same make as of switch/socket etc.
3. While laying conduit, suitable minimum number of junction boxes shall be left for pulling the wires. These should be placed in such a way that the same does not remain noticeable.
4. Multi stranded FRLS PVC insulated copper conductor's wires are to be used in the work. Termination of multi-stranded conductors shall be done using crimping type copper thimbles at both ends. Nothing extra shall be paid for the same.
5. The contractor shall follow the shortest route for circuits, submain, point wiring etc.
6. The connections of switches, sensors, earthing conductors & interconnections cables shall be made by adequate rating thimbles of approved standard makers only and nothing extra on this account shall be paid.
7. Check nuts shall be provided while terminating the M.S. conduits in switchboard boxes for which nothing extra shall be paid.
8. All distribution boards shall be marked with circuits controlling the rooms/area/SDB controlled
9. Material to be used in the work shall be ISI marked. The maker of materials has been indicated in the list of acceptable makes. No other make will be acceptable. The materials to be used in the work shall be approved by the Engineer-in-charge before its use at site. The Engineer-in-charge shall reserve the right to instruct the contractor to remove the material which, in his opinion, is not as per specifications
10. Wherever it is not possible to provide rigid conduits, flexible conduit pipes shall be provided for drawing/running the wires. However, such arrangement must be kept to the barest minimum and only with the prior approval of Engineer-in-charge.
11. Earthing and all hidden items of work shall be carried out in the presence of the Engineer-in-charge or his authorized representative.
12. The contractor shall provide only metallic junction boxes/looping boxes with cover of required sizes even in PVC conduiting and such boxes shall be measured as a part of conduit/wiring without any extra payment.
13. The firm must go through the site order book kept with the Junior Engineer (M) regularly and must sign the same and carry out the instructions recorded therein by various officers of the department.
14. The quantities of various items may vary from the quantities given in the work. The agency shall bring the various items & materials as per actual requirement at site at the time of execution of work. Excess quantities shall not be accepted & paid by the department.
15. MCCB should have centrally adjustable overload setting 80% to 100% & short circuit setting adjustable from 500% to 1000% of nominal current for thermal type & overload setting 40% to 100% & short circuit setting adjustable from 150% to 1000% of nominal current for microprocessor type MCCB. All MCCB should be ICS=ICU.

SPECIFICATION:

Technical Specification		
Sr. No.	Item	Specification
1	Pump Motor Set	<p>Horizontal Split Case Centrifugal Pump (Type BB1), The pump is a Two-Stage, Split Case design suitable for water service. Rated Flow: 151.0 m³/h Rated Head: 77.00 m Pump Speed: 1400-3000 RPM as per recommendation by Authorized OEM'S Efficiency at Duty Point: Min efficiency 75.07% or more NPSH Required: 3.32 m</p>
		<p>Rated Power: 55 KW Efficiency Class: IE4 (Super Premium Efficiency) as per IS 12615:2018 Nominal Efficiency: 95.7% (at full load) Speed: 1400-3000 RPM as per recommendation by Authorized OEM'S (4 Pole) Electrical Supply: 415V \pm5%, 50Hz \pm2% Enclosure: TEFC (Totally Enclosed Fan Cooled) / IP55 Insulation Class:F complete in all respects at Manaklao Pump House, rated voltage 415 V \pm5%, frequency 50 Hz \pm2%, duty S1 continuous running, suitable for ambient temperature up to 50°C, cast iron body construction, foot-mounted arrangement</p>
2	Star delta starter panel	<p>Indoor type Low Voltage Panel suitable for 55KW Pump Motor, complete with the following specifications: Enclosure & Busbar: Sheet Steel: 1.6mm/2mm thick CRCA sheet, Indoor type with MS Channel Base Frame. Busbar: Aluminium Busbar rated for 300A. Earth Busbar: Copper 25x5mm (2 Nos.). Incoming Feeder: Switchgear: 1 No. 320A 4 Pole TP MCCB (36kA, Thermal Magnetic based). Metering: Multi-Function Meter. CTs: 3 Nos. 300/5A (Class 1, 10VA) for Metering & 3 Nos. 300/5A (Class 1, 10VA) for APFC. Indication: LED Lamps for R, Y, B, ON, OFF, TRIP. Outgoing Motor Feeder (55KW SDS): Protection: 1 No. 160A TP MCCB (25kA, TM based). Contactors: Main & Delta: 2 Nos. 110A TP Power Contactors. Star: 1 No. 80A TP Power Contactor. Relay: 1 No. Thermal Overload Relay (60-100A). Controls: SPPR (Single Phasing Preventer), Star-Delta Timer, Start/Stop/Emergency Stop Push Buttons, A/M/OFF Selector Switch,</p>

3	APFC PANEL	<p>50 kVAR Automatic Power Factor Correction (APFC) Panel (1Running +1 Stand By, Induction motor) suitable for maintaining power factor, complete with: Enclosure & Busbar: Sheet Steel: 1.6mm/2mm thick CRCA sheet, Indoor type. Busbar: Aluminium Main Busbar rated for 150A. Ventilation: Includes 1 No. Fan. Incoming Feeder: Switchgear: 1 No. 125A TP MCCB (25kA, TM based). Controller: APFC Relay (6 Stage). Metering: Multifunction meter Selector Switches. CTs: 3 Nos. 150/5A (Class 1.0, 5VA). Capacitor Steps (Total 45 kVAR): Step Configuration: 2 Nos. 10 kVAR Steps, 2 Nos. 8.5 kVAR Steps, 1 No. 5 kVAR Step, 1 No. 3 kVAR Step. Each Step Includes: TP MCB (10kA C-Curve) of appropriate rating (40A/32A/16A/10A). Capacitor Duty Contactor. Capacitor Bank Unit. Indication Lights (ON/OFF) & Auto/Manual Selector Switch. With multi-function meter</p>
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LIST OF APPROVED MATERIALS (Electrical & Mechanical Work):

S. No.	Material	Approved makes
1	LT panels / boards, Feeder panels.	MILESTONE, TRICOLITE, ADLEC, ADVANCE PANEL & SWITCHGEAR Ltd., PRISTINE, STERLING GENERATOR, APPLICATION CONTROL PANEL.
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, 1.1 KV grade	UNISTAR, GRANDLAY, NATIONAL, RALLISON, KEI, HAVELLS POLYCAB, RR KABEL
5	FRLS copper wires and cables, 1.1 KV grade	UNISTAR, NATIONAL, RALLISON, KEI, HAVELLS, POLYCAB, RR KABEL
6	Switch Socket accessories.	LEGRAND (ARTEOR), SCHNEIDER (ZENCELO), MK (ELEMENTS), HAGER (INSYSTA), CRABTREE (MURANO)
7	Lugs and Ferrules	DOWELLS, JAINSON
8	Brass Compression Gland (Heavy duty)	COMMEX, GRIPWELL, HENSEL
9	Cable Lugs & Thimbles	DOWELL, ASIAN, ACTION
10	PVC Conduits and Accessories (ISI Marked, Heavy duty)	BEC, PRECISION, POLY-PACK, POLYCAB,
11	MS Conduit and Pipes	BEC, AKG, M-KAY, STEEL CRAFT
12	MS Conduit Accessories (Heavy duty)	BEC, AKG, M-KAY, STEEL CRAFT.
13	Pipes and Accessories (ISI)	TATA, JINDAL, SAIL
14	LED Chip for Street /landscape and LED Light Fixtures	PHILIPS, CROMPTON, WIPRO, BAJAJ,
15	EXIT and Emergency Lights	PHILIPS, CROMPTON, WIPRO, BAJAJ, Prolite
16	CAT-6A CABLE	Tyco, CommScope, R&M, Molex, Panduit, Schneider (Actassi), LEGRAND
17	LED LIGHT FIXTURE	PHILIPS, CROMPTON, WIPRO, BAJAJ, SCHREDER, JAQUAR LIGHTING
18	Selector Switch	RISHAB - L&T, KAYCEE, SIEMENS, C&S, ABB
19	Photo Chromatic Switch	BAJAJ, WIPRO, PHILIPS
20	Annunciation Panel	CROMPTON, AREVA, SIEMENS, KIRLOSKAR
21	Terminal Blocks	BCH, INDUSTRIAL CONTROL, JAINSON
22	Change Over Switch	L&T, SOCOMEC, SIEMENS, HAGER, ABB
23	Bus bar	JINDAL, INDALCO, CENTURY
24	GI pipes	JINDAL, TATA, SAIL
25	Timers & Contactors to be mounted in DB's	L&T, SIEMENS, SCHNEIDER, HAGER, LEGRAND
26	MV Contactors/Timer/ Starters	L&T, SIEMENS, SCHNEIDER, LEGRAND, ABB
27	Protective Relays	AREVA, SIEMENS, L&T
28	kWh Meters (Electronic Digital type) /Multifunction Meter	SCHNEIDER(CONZERV), C&S, L&T, SIEMENS, NEPTUNE, ABB

	/Ammeter/ Voltmeter)	
29	Indication Lamps/Push Button	L&T, BCH, GE
30	Cable Tray	MEM, PROFAB, RICO, INDIATECH, RMCON, LEGRAND
31	Raceway	LEGRAND, MK, SCHNEIDER
32	Polycarbonate Junction Boxes	HENSEL, CLIPSAL, MENEKES
33	Fasteners	HILTI, FISCHER, BOSCH, WUNH
34	Splitter Box	MX, SHARP, CATVISION
35	Chemical Earthing	JEF ECOSAFE, ERICO, TEREK PLUS
36	DWC Pipe	Tirupati, Gemini, Rex, TRICOLITE
37	Sealed Maintenance free Batteries	EXIDE, HITACHI, AMARON
38	Pump	Wilo, Kirloskar brothers Ltd., Grundfos
39	Gate /Sluice valve, non-return valve	Leader/ Audco/ Sant/ Kirloskar/ Zoloto
40	Stainless Steel Liquid filled Pressure Gauge	H-Guru/ Wika/Japsin
41	Gun Metal Short Branch Pipe	Minimax/ Omex/ AAG/ Newage
42	Motor	Siemens, ABB, Crompton

Approved Make List of Materials (Civil)

S.No.	Material	Manufacturer
1	Ordinary Portland Cement/ Pozzolana Portland Cement	WONDER, ACC, ULTRATECH, BIRLA, AMBUJA
2	White Portland Cement	BIRLA WHITE, JK WHITE, ACC
3	Oil Bound Washable Distemper	BERGER PAINTS, ASIAN PAINT, NEROLAC, ICI
4	Acrylic Distemper	BERGER PAINTS, ASIAN PAINT, NEROLAC, AKZONOBEL
5	Premium Acrylic Emulsion Paints	BERGER PAINTS, ASIAN PAINT, NEROLAC, AKZONOBEL
6	Cement Primer	BERGER, ASIAN, ICI
7	Steel Primer	AKZONOBEL, NEROLAC, ASIAN PAINTS
8	Wood Primer	AKZONOBEL, NEROLAC, ASIAN PAINTS
9	Textured Exterior Paint	ASIAN PAINTS (APEX WITH HONEYCOMBROLLER FINISH) ICI (WEATHER SHIELD WITH HONEYCOMB ROLLER FINISH),KANSAI NEROLAC (EXCEL WITHHONEYCOMB ROLLER FINISH)
10	Epoxy Paint	ASIAN, ICI, KANSAI NEROLAC,BERGER
11	Water Proofing Cement Paint	ASIAN PAINTS, SNOWCEM INDIA LTD., BERGER PAINTS
12	Synthetic Enamel Paint	BERGER, ASIAN PAINTS, ICI,NEROLAC
13	Vitrified Floor and wall Tiles	NITCO, SOMANY, JOHNSON,KAJARIA, RAK
14	Ceramic Floor Tiles/Wall Tiles	NITCO, SOMANY, JOHNSON,KAJARIA, RAK
15	White Glazed Tiles	NITCO, SOMANY, JOHNSON,KAJARIA, RAK
16	Tile Joint Filler	Asian Paints, Roff, Pidilite

17	Anodized Aluminum Hardware Fittings	EVERITE, KINLONG, ALUALPHA by LGF Sysmac,
18	SS Fittings for wooden and aluminum work	GODREJ, DORMA, DORSET, HAFELE, KICH, ARCH, KAFF
19	Float Glass, Reflective Glass, Mirror Glass	MODI GUARD, SAINT GOBAIN, TATA-ASHAI, HNG, AIS-GLEVERBEL
20	Hardware fittings of doors, Patch Fittings and Friction Hinges	HETTICH, DORMA, ALUALPHA by LGF Sysmac, DORSET
21	Floor Spring for Aluminum Doors	HARDWYN, GODREJ, DORMA, DORSET, ISI Mark
22	G.I Pipe and fittings	JINDAL, TATA, PRAKASH SURYA, UNIK, ZOLOTO
23	Silicone Sealant / Sealant	G.E, DOW CORNING, WACKER, SIKA, BECKER
24	Hermitically sealed performance glass Toughened Glass, DGU	AUTHORIZED FABRICATORS (MODI GUARD, SAINT GOBAIN, TATAASHAI)
25	EPDM Gasket	HANU, OSAKA, ALPS
26	Dash, Anchoring, Hook Fasteners	HILTI, FISCHER, BOSCH, WURTH
27	Wall Putty	BIRLA WALL CARE, JK WHITE, Ferrous Crete, Bison Wall Putty by BERGER
28	HDPE Pipes and Fittings	RELIANCE, JAINPIPES, ORIPLAST, DUTRON, SUPREME
29	CI Fittings	RBA FERRO, WALTZER, KAJECO, NECO, SKF
30	Float Valve	LK, LEADER, ZOLOTO
31	Centrifugally Cast (spun) Iron Pipes & Fittings	NECO, KAPILANSH, ELECTROSTEEL, SKF, BIC (Bengal Iron Corp.)
32	Centrifugally Cast (spun) Iron (Class LA) Pipes	NECO, KAPILANSH, ELECTROSTEEL, BIC (Bengal Iron Corp.)
33	C.I. Manhole covers, frames and GI Gratings	RBA FERRO, WALTZER, KAJECO, NECO, SKF, BIC (Bengal Iron Corp.)
34	SFRC Manhole covers and gratings	KK, JAIN, PRAGATI
35	Gun metal all type of Valves	LEADER, ZOLOTO, LK
36	CP Brass Fittings	JAQUAR, KOHLER, Hindware
37	Sanitaryware, Fittings and Accessories	JAQUAR, Hindware, KOHLER
38	Urinal Sensors	Hindware, Jaquar, Euronics
39	Forged Brass ball valve	ZOLOTO, LK, SANT, LEADER,
40	Non Return valve (Check valve)	LEADER, ZOLOTO, LK
41	Bronze Gate Valve	ZOLOTO, LK, SANT, LEADER
42	European WC, Indian WC, Cistern, Washbasin, Urinals, WC seat cover, Rigid/Flexible connector pipe	JAQUAR, HINDWARE, KOHLER
43	Gully Traps	PERFECT, PARRY, Jayaswal-Neco, MOLI CERAMICS,

		BIKANER CLAY Products
44	Ball Valves /in Built Filter	RAPID CONTROL, CIM, SKS, L&T VALVES. LEADER, ZOLOTO, ARCO
45	Butterfly Valve	KIRLOSKAR, CASTLE, KSB, LEADER, ZOLOTO
46	Soap Dispenser	EURONICS, HINDWARE, JAQUAR
47	Stainless Steel Sink	NEELKANTH, NIRALI, JAYNA
48	Aluminum Section	JINDAL, HINDALCO, INDALCO,HINDUSTAN
49	MDF Board/Commercial Board/Particle board/BWP marine Ply/WPC board	GREENPLY, GREENLAM, CENTURYPLY, MERINO, DURO
50	Flush Door Shutter	CENTURY DOORS, DURO, SWASTIK, A1WOODEN/ A-1TEAK, GREENPLY, MERINO
51	Reinforced Bars(TMT) and Structural Steel	TATA, SAIL, JSW, APOLLO, Jindal, RINL
52	False Ceiling tiles	AEROLITE, ANUTONE, ARMSTRONG
53	Paver Block	KK, SWASTIK, DALAL, NAVYA TILE, PRERANA, Hindustan
54	PVC Waste Pipe	PRAYAG, POLYTUF, SUPREME
56	Bamboo Wooden flooring	Karra décor Pvt. Ltd., Inovar Floor India Pvt. Ltd. Or equivalent brand
57	Woodworks perforated panels	Armstrong, Ideatec, Topakustic, Anutone, Fantoni
58	Metal False Ceiling	Armstrong, Metallica Ceiling Solution, Hunter Douglas, Saint Gobain
59	Sluice valve	Kirloskar or equivalent
60	CPVC pipes and fittings	Plasto, Supreme, Finolex, Astral
61	uPVC pipes and fittings	Plasto, Supreme, Finolex, Astral, Prince
62	Unplasticised Rigid PVC pipes ,SWR Pipes and fittings	Plasto, Supreme, Finolex, Astral
63	Water Tank (6Layer)	Plasto , Sintex or Equivalent
64	PVC mosquito net	Saint Gobain or Equivalent
65	Glass film	Saint Gobain or Equivalent
66	ACP Sheet	Aludecore , Eurobond or Equivalent
67	Drain Jali	Hindware or Equivalent
68	Hardware for uPVC door and windows	Pego, Zamak or Equivalent
69	Hydraulic Door Closer	Dorset, Godrej or Equivalent
70	Stainless Steel Grade 304 railing	Jindal, Sail or Equivalent
71	Ductile Iron Pipes	Jindal or Equivalent
73	Tile and stone adhesive, Grouting Compound	Pidilite, Bal Endura, Fosroc, Ferrous Crete
74	G.I. barbed wire	TATA or Equivalent
75	Cpvc ball valve	Plasto, Supreme, Finolex, Astral
76	Cloth Hanger SS	Kich, Arch or Equivalent

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.

Special Conditions of BOQ: -

1. The contractor must visit the site of work /buildings before quoting the rates.
2. No labour to stay in IIT Campus nothing shall be paid extra on this account.
3. Site shall be made available as and when available.
4. Scaffolding, Jhula, ladders etc. to carry out works at all heights/Lifts shall be arranged by the contractor at his own cost. Nothing extra shall be paid on these accounts .
5. Site shall be available in parts or phases as per directions of Engineer in Charge and nothing extra on this account shall be paid to the Contractor.
6. Rate quoted by the contractor shall be inclusive of GST, ESI & EPF.

Schedule of Quantities

Estimate					
Nature of Work: - Replacement of pump – motor along with associated electrical panel at Manaklao pump house.					
I	E&M Head				
Sr. No.	Description	Unit	Qty.	Rate	Total
1	<p>Dismantling of existing pump - motor set, transportation to IIT Jodhpur, and supply, installation, testing, and commissioning of pump at Manaklao Pump House, Horizontal Split Case Centrifugal Pump (Type BB1), The pump is a Two-Stage, Split Case design suitable for water service (1Running +1 Stand By). The pump shall be capable of the following duty parameters. Operating Parameters: Rated Flow: 151.0 m³/h Rated Head: 77.00 m Pump Speed: 1480 RPM Efficiency at Duty Point: Min efficiency 75.07% or more NPSH Required: 3.32 m Max. Working Pressure: 8.35 bar.g Connections: Suction Flange: 125 mm, BSEN 1092 PN16 FF or as required at location Delivery Flange: 100 mm, BSEN 1092 PN16 FF or as required at location complete with, gaskets, nuts and bolts, MS channel fabricated base frame with anti-vibration pads, including all associated works.</p> <p>Specifications of Motor:- Rated Power: 55 KW Efficiency Class: IE4 (Super Premium Efficiency) as per IS 12615:2018 Nominal Efficiency: 95.7% (at full load) Speed: 1485 RPM (4 Pole) Electrical Supply: 415V ±5%, 50Hz ±2% Enclosure: TEFC (Totally Enclosed Fan Cooled) / IP55 complete in all respects at Manaklao Pump House, rated voltage 415 V ±5%, frequency 50 Hz ±2%, duty S1 continuous running, suitable for ambient temperature up to 50°C, cast iron body construction, foot-mounted arrangement, including all accessories and associated works, as required.</p>	Each	2	1162395	2324790

2	<p>Dismantling of the existing installed panel set and transportation of the same to IIT Jodhpur, and Design, Supply, installation, testing, and commissioning of 2x 55kW Pumps motor (1Running +1 Stand By) Star-delta starter panel at Manaklao Pump House. Supply, Installation, Testing, and Commissioning of Indoor type Low Voltage Panel suitable for 55KW Pump Motor, complete with the following specifications:Enclosure & Busbar:Sheet Steel: 1.6mm/2mm thick CRCA sheet, Indoor type with MS Channel Base Frame.Busbar: Aluminum Busbar rated for 300A.Earth Busbar: Copper 25x5mm (2 Nos.).Incoming Feeder:Switchgear: 1 No. 320A 4 Pole TP MCCB (36kA, Thermal Magnetic based).Metering: Multi-Function Meter.CTs: 3 Nos. 300/5A (Class 1, 10VA) for Metering & 3 Nos. 300/5A (Class 1, 10VA) for APFC.Indication: LED Lamps for R, Y, B, ON, OFF, TRIP.Outgoing Motor Feeder (55KW SDS):Protection: 1 No. 160A TP MCCB (25kA, TM based).Contactors:Main & Delta: 2 Nos. 110A TP Power Contactors.Star: 1 No. 80A TP Power Contactor.Relay: 1 No. Thermal Overload Relay (60-100A).Controls: SPPR (Single Phasing Preventer), Star-Delta Timer, Start/Stop/Emergency Stop Push Buttons, A/M/OFF Selector Switch, and also having provision of pully system operation and one spare connection of 3 phase supply including all accessories and associated works, as required.</p>	Each	1	617894	617894
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	<p>Dismantling of the existing installed panel set and transportation of the same to IIT Jodhpur, and Design, supply, installation, testing, and commissioning of 50 kVAR Automatic Power Factor Correction (APFC) Panel (1Running +1 Stand By, Induction motor) suitable for maintaining power factor, complete with:</p> <p>Enclosure & Busbar: Sheet Steel: 1.6mm/2mm thick CRCA sheet, Indoor type. Busbar: Aluminum Main Busbar rated for 150A. Ventilation: Includes 1 No. Fan. Incoming Feeder: Switchgear: 1 No. 125A TP MCCB (25kA, TM based). Controller: APFC Relay (6 Stage). Metering: Multifunction meter Selector Switches. CTs: 3 Nos. 150/5A (Class 1.0, 5VA). Capacitor Steps (Total 45 kVAR): Step Configuration: 2 Nos. 10 kVAR Steps.,2 Nos. 8.5 kVAR Steps,1 No. 5 kVAR Step,1 No. 3 kVAR Step. Each Step Includes: TP MCB (10kA C-Curve) of appropriate rating (40A/32A/16A/10A). Capacitor Duty Contactor. Capacitor Bank Unit. Indication Lights (ON/OFF) & Auto/Manual Selector Switch, including all accessories and associated works, as required.</p>				
3	<p>Dismantling of the existing installed valve set and transportation of the same to IIT Jodhpur, and supply, installation, testing, and commissioning of NON-RETURN VALVE at Manaklao Pump House. cast Iron double flange as per IS/5312 PN 1.6 rating complete with bronze body & wedge Stainless Steel spindle, Gland packing, Rubber gasket 250 mm Dia Non-Return Valve including all accessories and associated works, as required.</p>	Each	3	46124	138372
4	<p>Dismantling of the existing installed pressure gauge set and transportation of the same to IIT Jodhpur, and supply, installation, testing, and commissioning of Glycerin-filled pressure gauge with syphon tube and isolation cock (0-10 bar) at Manaklao Pump House, including all accessories and associated works, as required.</p>	Each	2	4111	8222
5	<p>Supply, laying, termination, testing, and commissioning of 3-core × 35 sq. mm</p>	Meters	30	5210	156300

	copper conductor cable at Manaklao Pump House,(1Running +1 Stand By), PVC insulated, PVC sheathed, unarmored power cable, suitable for 1.1 kV grade, from panel to motor, including cable glands, lugs, ferrules, necessary clamps/supports, excavation and backfilling (wherever required), and all associated works, complete in all respects, as required.				
6	Dismantling of the existing installed valve set and transportation of the same to IIT Jodhpur, and supply, installation, testing, and commissioning of Supplying of gate / sluice valve 250 mm at Manaklao Pump House, including all accessories and associated works, as required.	Each	3	90039	270117
7	Main Earth Pits, Supplying, Installation, Testing, & Commission of Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 Meter long etc. with charcoal/ coke and salt as required. Details of cost for one Each including all accessories and associated works, as required.	set	2	8351	16702
8	Underground Strip, Supplying and laying 25 mm X 5 mm G.I strip at 0.50 meter below ground as strip earth electrode, including connection/ terminating with G.I. nut, bolt, spring, washer etc. as required. (Jointing shall be done by overlapping and with 2 Each's of G.I. nut bolt & spring washer spaced at 50mm), including all accessories and associated works, as required.	Meters	30	160	4800
9	Surface Strip, Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as including all accessories and associated works, as required.	Meters	40	287	11480
10	Supply, installation, Testing Commissioning of Compound Gauge Glycerin filled 4-inch dial range -30in hg to 400 psi with dual scale of -1 kg/cm ² , direct mounting bottom entry ss case & ss wetted parts with syphon pipe etc. as including all accessories and associated works, as required.	Each	2	2763	5526
Total Amount of (A)					3554203
Say Total Rs					3554203
Amount in Words: -Rupees Thirty-Five Lakh Fifty-Four Thousand Two Hundred Three Only					

II. Civil Work: Estimate					
S. No.	Item Description	Unit	Quantity	Item Rate (Rs.)	Amount (Rs.)
1	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead up to 50 m and for all lift, as directed by Engineer-in-charge. All kinds of soils.	cum	1.65	177.5	292.88
2	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level: 1:2:4 (1 cement: 2 coarse sand (zone-III) derived from natural sources: 4 graded stone aggregate 20 mm nominal size derived from natural sources)	cum	0.825	7878.5	6499.76
3	Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge; for the following grades of concrete: All works up to plinth level-Concrete of M25 grade with minimum cement content of 330 kg /cum	cum	0.750	9045.75	6784.31
4	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete up to plinth level. Hot rolled deformed bars	kg	67.50	107.85	7279.88

5	Centering and shuttering including strutting, propping etc. and removal of form work for: Foundations, footings, bases for columns	sqm	1.80	392.15	705.87
6	Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	kg	572.72	117.35	67208.36
7	Providing and fixing of Ductile Iron Pipes conforming to (IS: 8329) 250 mm Dia Class K-7 of approved make as per direction of Engineer In-charge.	meter	1.00	3701.38	3701.38
Total (Schedule Items) = (A)					88771.05
Correction Factor on total DSR items as per CPWD Latest OM @0.973 on A = (B)					86374.24
Total (Non-Schedule Items) = (C')					3701.38
Total DSR (C+B) = (D.)					90075.61
Total (E&M + Civil head)					36,44,279.00
Say Total					36,44,279.00
Say Total in Words: - Rupees Thirty-Six Lakh Forty-Four Thousand Two Hundred Seventy-Nine Only					

Percentage BoQ

Tender Inviting Authority:

Name of Work: Replacement of pump- motor along with associated electrical panel at Manaklao pump house.

Contract No: **IITJ/OIE/2026-27/19.**

Name of the Bidder/
Bidding Firm/
Company:

PRICE SCHEDULE

(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	Replacement of pump- motor along with associated electrical panel at Manaklao pump house	1.000	Nos	₹36,44,279.00	₹36,44,279.00	Rupees Thirty-Six Lakh Forty-Four Thousand Two Hundred Seventy-Nine Only
Total in Figures						
Quoted Rate in Figures			Select		0.00	INR Zero Only
Quoted Rate in Words				INR Zero Only		