

**NOTICE INVITING TENDERS**

(Percentage Rate Tender)

**Providing and Laying of CPVC pipe lines and S, I, T, C of RO Plants to various locations at NIT Andhra Pradesh, Tadepalligudem**



**National Institute of Technology- Andhra Pradesh,**  
Beside Chennai - Srikakulam Highway,  
Kadakatla, Tadepalligudem, West Godavari District,  
Andhra Pradesh-534101.  
[www.nitandhra.ac.in/main/tender](http://www.nitandhra.ac.in/main/tender)

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**TENDER NOTICE:**



**NIT Andhra Pradesh, Tadepalligudem**

**Ref No: NITANP/SMMD/TENDER/2023-24/41**

**Date: 05.09.2023**

**Box Tenders/Open Tenders are hereby invited through CPP from reputed registered Contractor/Contracting Firm for providing the following services at NIT-Andhra Pradesh, Tadepalligudem, West Godavari district.**

**“Providing and Laying of CPVC pipe lines and S, I, T, C of RO Plants to various locations at NIT Andhra Pradesh, Tadepalligudem”**

**Addressed to:  
Tender Box  
Material Management Disposal Section,  
Sardar Vallabhbhai Patel Administrative Vista Building,  
NIT Andhra Pradesh, Kadakatla, Near NH-16  
Tadepalligudem-534101, West Godavari District, Andhra Pradesh**

The above **Tender name and Ref. No. should be Super-Scribed** in the Main Envelope containing the bid documents.

Tender Schedules can be downloaded from NIT Andhra Pradesh website from 05.09.2023 onwards. Bidders need to submit hard copy with relevant documents with self-attested.

**The last date for submission of tenders is 27.09.2023 up to 03:00 PM.**

For further details regarding Tender notification & specifications, please visit [www.nitandhra.ac.in/main/tender](http://www.nitandhra.ac.in/main/tender) .

**Date: 05.09.2023.  
NIT Andhra Pradesh,  
Tadepalligudem.**

## TIME SCHEDULE OF VARIOUS TENDER RELATED EVENTS

### Providing and Laying of CPVC pipe lines and S, I, T, C of RO Plants to various locations at NIT Andhra Pradesh, Tadepalligudem

Bid Document downloading Start date/ Time	<b>05.09.2023 at 05.00 PM.</b>
Bid Document downloading End Date / Time	<b>26.09.2023 at 05.00 PM</b>
Pre-Bid meeting	<b>21.09.2023 at 03.30 PM</b>
Last Date and Time for receipt of Bids	<b>27.09.2023 at 03.00 PM.</b>
Technical Bid Opening Date /Time	<b>27.09.2023 at 03.30 PM</b>
Financial Bid Opening Date / Time	Will be intimated later
Contact Person	The Associate Dean (P&D, SEMW/SEIE), NIT Andhra Pradesh, Tadepalligudem. Email: <a href="mailto:ad_pdca@nitandhra.ac.in">ad_pdca@nitandhra.ac.in</a>
Reference No:	<b>NITANP/SMMMD/TENDER/2023-24/ 41    Date: 05.09.2023</b>

**Signature of the Bidder with stamp**

## CLARIFICATIONS

Queries, if any, can be made through e-mail only to [ad\\_pdca@nitandhra.ac.in](mailto:ad_pdca@nitandhra.ac.in) and cc to [purchase@nitandhra.ac.in](mailto:purchase@nitandhra.ac.in) on or before **21.09.2023**. Queries received via any mode other than e-mail id mentioned above shall not be entertained. The queries should only be sent in the following format on the official letter head of the company.

S. No.	Page No. (TenderRef.)	Clause (Tender Ref.)	Description (TenderRef.)	Query

If there is any addendum/corrigendum related to tenders, it shall only be published on NIT- Andhra Pradesh website ([www.nitandhra.ac.in](http://www.nitandhra.ac.in)) and <https://eprocure.gov.in/epublish/app>. The Bidders are advised to check NIT-Andhra Pradesh website and Central Public procurement portal regularly. No other mode of notice will be given.

The Bidders are requested to submit the bids after issue of clarifications duly considering the changes made, if any. Bidders are totally responsible for incorporating/complying the changes/ amendments issued, if any, during pre-bid meeting in their bid.

If the last date of receiving/opening of the bids coincides with a holiday, then the next working day shall be the receiving/opening date.

**The bid along with relevant documents should be attached with original EMD and Tender processing fee. Physical submission of bid only shall be considered.**

**Associate Dean, SMMD  
NIT ANDHRA PRADESH**

## **BID**

**File No: NITANP/SMMD/TENDER/2023-24/41**

**Date: 05.09.2023**

**Sub: Providing and Laying of CPVC pipe lines and S, I, T, C of RO Plants to various locations at NIT Andhra Pradesh, Tadepalligudem.**

Sir/Madam,

Bids are invited on the Box/Open Tender platform from the reputed registered Contractors/Contracting firm in the relevant experience. The details of bidding conditions and other terms can be downloaded from the NIT Andhra Pradesh website and Central Public procurement Portal.

The attested copies of all the documents of bid, signed undertaking of Bidder should be submitted offline mode only to **The Director, NIT Andhra Pradesh, Tadepalligudem**, on or before opening of bid.

The participating Bidder/s shall have to pay tender processing fee (non-refundable) and EMD for the amounts specified in the Statement related to bids, in the form of DD drawn in favor of the Director, NIT Andhra Pradesh, Tadepalligudem.

Further, the Successful Bidder shall furnish a part of a bid as Performance Guarantee specified in the Statement related to bids, to be paid in the form of BG as mentioned in the Tender Schedule.

NIT Andhra Pradesh, Tadepalligudem, will not accept the tenders from blacklisted contractor/Contracting Firms, whose past performance with NIT-Andhra Pradesh was found poor due to delay in similar nature of experience and those with failures, and also against whom there have been adverse reports of sub-standard quality, as defined in the other parts of the bidding documents.

**Signature of the Bidder with stamp**

**STATEMENT RELATED TO BIDS**

Name of work	<b>Providing and Laying of CPVC pipe lines and S, I, T, C of RO Plants to various locations at NIT Andhra Pradesh, Tadepalligudem</b>
Location of work	NIT Andhra Pradesh
Estimated Cost Value (ECV)	<b>Rs.55,94,000/-</b>
Bid Document Fee/ Tender Processing Fee (Non-refundable)	<b>Rs. 1000/-</b> by way of RTGS/NEFT from any Nationalized bank drawn in favor of the Director NIT Andhra Pradesh, Payable at Tadepalligudem. <b>Account Name:</b> Director NIT Andhra Pradesh <b>A/C No:</b> 35579546371 <b>IFSC Code:</b> SBIN0016305 Submit for evidence of payment Receipt.
EMD	<b>Rs. 1,40,000/-</b> by way of DD from any Nationalized bank drawn in favor of the Director NIT Andhra Pradesh, Payable at Tadepalligudem.
Bid Validity Period	90 days from the date of opening of financial bid
EMD Validity Period	90 days from the date of opening of financial bid
Period of furnishing Performance Guarantee	Within 14days from date of receipt of LOA
Performance Guarantee Value	5% of contract value as approved by competent authority
Performance Guarantee Validity Period	14 months from the date of completion of work
Period for signing the order of acceptance	Within 14 days from date of receipt of LOA

## TENDER SCHEDULE

### **PREMEABLE:**

National Institute of Technology, Andhra Pradesh is the 31st NIT among the chain of NITs started by the Government of India. NIT Andhra Pradesh is established in the state of Andhra Pradesh in the academic year 2015 – 2016.

Sealed tenders (percentage rate) are invited under two bid system i.e., technical bid and financial bid from reputed contractor/contracting firms registered for Providing and Laying of CPVC pipe lines and S, I, T, C of RO Plants to various locations at NIT Andhra Pradesh, Tadepalligudem.

### **SCOPE OF WORK:**

1. Providing and Laying of CPVC pipe line to various locations at NIT Andhra Pradesh.
2. Supply, Installation, Testing & commissioning of R.O Plant Units (2000 LPH -1 No., 500 LPH-2 No's) to various locations at NIT Andhra Pradesh, Tadepalligudem (Detailed specifications are mentioned in annexure-II)
3. Supply, Installation, Testing & commissioning of 10 HP (4 No's) & 5 HP (6 No's) Horizontal multi stage Booster pump & motor sets at various locations of NIT Andhra Pradesh, Tadepalligudem (Detailed specifications are mentioned in annexure-III).
4. Providing and Placing of Terrace Polyethylene water storage tank.
5. Providing and Placing of Terrace SS water storage tank.
6. Demolishing of R.C.C. work manually/ by mechanical.
7. Providing and laying PCC 1:4:8.
8. Providing and fixing gunmetal valve with CI wheel



## **METHOD OF SUBMISSION OF BIDS:**

1. The bid documents can be downloaded from the Institute website <https://www.nitandhra.ac.in/main/tender> and CPP portal <https://eprocure.gov.in/epublish/app>.
2. The bids should be filled in two bid formats with all the required documents as enclosures in separate sealed covers i.e., (a) Part-I Technical bid, (b) Part-II Financial bid
3. Two separate sealed covers should be specifically super-scribed as **(a) “Technical bid for Providing and Laying of CPVC pipe lines and S, I, T, C of RO Plants to various locations at NIT Andhra Pradesh, Tadepalligudem”** and **(b) “Financial bid for Providing and Laying of CPVC pipe lines and S, I, T, C of RO Plants to various locations at NIT Andhra Pradesh, Tadepalligudem”**.
4. Both the sealed envelopes (a) and (b) are to be kept in another Master envelope, which should also be sealed and submitted.
5. The Master envelope should be super-scribed with **“Tender for Providing and Laying of CPVC pipe lines and S,I,T,C of RO Plants to various locations at NIT Andhra Pradesh, Tadepalligudem”** and shall be addressed to

The Tender Box,  
C/o Material Management and Disposal Section,  
Sardar Vallabhbhai Patel Administrative Vista Building,  
National Institute of Technology Andhra Pradesh,  
Chennai - Srikakulam Highway Near Kadakatla,  
Tadepalligudem,  
Andhra Pradesh 534101.

6. **Last date for submission of bid documents is 27.09.2023 up to 03:00 PM**
7. Bids received after the due date and time shall be summarily rejected.
8. Incomplete bids or bids not submitted in prescribed format are liable for rejection.
9. Institute will not be responsible for Postal delay.

**Name and Signature of bidder with seal**

## **EVALUATION PROCEDURE:**

1. At the first stage, the Technical Bids shall be opened in the presence of Bidders, who may like to be present on **27.09.2023 at 03.30 PM.** in **Material Management Disposal Section,** Sardar Vallabhbhai Patel Administrative Vista Building of NIT Andhra Pradesh, Tadepalligudem.
2. IPC would evaluate the technical bids submitted by the Bidders.
3. Prior to detailed evaluation, the Institute will determine the substantial responsiveness of each bid to the tender document. A substantially responsive bid is one which conforms to all the terms and conditions of the bidding/tender document and is without any material defects and deviations. Deviations from, or objections or reservations to critical provisions such as those concerning qualification/eligibility criteria, availability of facilities and amenities as needed, availability of government/statutory approvals and clearances, ready and explicit willingness to accept and honor the terms and conditions of contract etc. will be deemed to be material deviations.
4. If a bid is not substantially responsive, it will be rejected by the Institute and may not subsequently be made responsive by the Bidder by correction of the non-conformity.
5. Only those Bidders whose technical bids have been found to be substantially responsive would be evaluated.
6. The Financial bids of those Bidders only shall be opened who qualified in the Technical Evaluation. The Institute will award the contract to the Successful Bidder, whose financial bid is the lowest price bid among all the quoted bids. The decision of the Director, NIT Andhra Pradesh, Tadepalligudem, is final in this regard. In case of a tie, the contract will be awarded to the firm that has the highest Average Annual turnover for the last three years.
7. Tenders with revised/modified rates/offer after opening of the tenders shall be summarily rejected and the entire Earnest Money Deposit (EMD) submitted with the tender shall be forfeited.
8. The tender is not transferable under any circumstances.
9. Telegraphic, conditional or incomplete tenders shall not be accepted. Canvassing of any kind, directly or indirectly shall lead to disqualification of the Bidder.

**Name and Signature of bidder with seal**

**ELIGIBILITY CRITERIA:**

1. The bidder should have valid GST Certificate.
2. Bidder must possess CPWD/any State PWDs class-III or above category Registration Certificate.
3. The bidder must have a valid PAN Card and the same should reflect in all financial statements.
4. The average annual turnover of FY. 2020-21,2021-22, & 2022-23 should be at least 28 Lakhs issued by CA with UDIN Number.
5. The bidder should submit audited financial statements (balance sheets) for the FY 2020-21,2021-22 & 2022-23 along with relevant income tax returns for the concerned years i.e., AY 2021-22, 2022-23 & 2023-24.
6. Bidder must have successfully completed the works pertaining to establishment of civil infrastructure with the conditions and value of work/purchase orders along with satisfactory certificates defined as under during the period of 01-04-2020 to 31-03-2023.
  - One work pertaining to establishment of civil infrastructure costing not less than the amount equal to Rs.44,80,000/- (Rupees Forty-Four Lakhs Eighty Thousand only).

OR

  - Two works pertaining to establishment of civil infrastructure costing not less than the amount equal to Rs.28,00,000/- (Rupees Twenty-Eight Lakhs only).

OR

  - Three works pertaining to establishment of civil infrastructure costing not less than the amount equal to Rs.22,40,000/- (Rupees Twenty-Two Lakhs Forty Thousand only).
7. All the payments received against the claim of Work Orders at Clauses (6) above should reflect in Form 26AS. Else the Work/Purchase Order is treated as invalid.
8. Each page of the tender document along with all other submitted documents must be duly signed by the Authorized signatory with Bidder's signature and seal.

**Name and Signature of bidder with seal**

## **GENERAL CONDITIONS**

1. The work shall be carried out as per CPWD specification 2019 Vol-I & II with up-to-date correction slips. For the items which are not covered under CPWD Specifications; B.I.S. specifications shall apply. In this regard the decision of Engineer-in-charge shall be final.
2. Unless otherwise specified, the agreement rates for all items of work of the schedule of quantities are for all heights, depths, leads and lifts involved in the execution of work.
3. On account of security consideration, there could be some restrictions on the working hours, movement of vehicles for transportation of materials. The contractor shall be bound to follow all such restrictions and adjust the program for execution accordingly, for which nothing extra shall be paid.
4. The work shall be carried out in a manner complying in all respects with the requirements of relevant bye laws of the local bodies, Labour Laws, minimum wages act, workmen compensation act and other statutory laws enacted by Central Govt. as well as State Govt.
5. No residential accommodation shall be provided to any of the staff engaged by the contractor. The contractor shall not be allowed to erect any temporary set up for staff in the campus.
6. No claims of the labours shall be entertained by the Department including that of providing employment, regularization of services etc.
7. All required register will be issued by Engineer-in-Charge/Executive Engineer duly marked in chronological order but the contractor will have to arrange all such registers/stationery etc. Nothing extra shall be paid on this account.
8. No claim whatsoever for idle labour, additional establishments, costs of hire and labour charges for tools and plants etc. would be entertained under any circumstances.
9. For the safety of all labour directly or indirectly employed in the work for the performance of the contractor's part of this agreement, the contractors shall, in addition to the provisions of Safety code and directions of the Engineer-in-charge make all arrangements to provide facility as per the provisions of Indian Standard Specifications (Codes) listed below and nothing extra shall be paid on this account.
  - (a) IS 3696 Part I Safety Code for scaffolds and ladders
  - (b) IS 3696 Part II Safety Code for scaffolds and ladders Part II ladders
  - (c) IS 764 Safety Code for excavation work
  - (d) IS 7969 Safety Code for storage and handling of building materials
  - (e) IS 5216:1982 code of safety procedures and practices in electrical works

10. The contractor shall take all precautions to avoid all accidents by exhibiting necessary caution boards and by providing red flags, red lights and barriers. The contractor shall be responsible for any accident at the site of work and consequences thereof.
11. Contractor shall be fully responsible for any damages caused to govt. property or allotter "property by his or his labor in carrying out the work and shall be rectified by the contractor at his own cost.
12. All taxes, Labour Cess etc., as applicable shall be borne by the contractor himself. The contractor shall quote his rates considering all such taxes including GST on works. Any recovery towards GST is notified by the competent authority, the same shall be affected and no claim what so ever shall be entertained by NIT Andhra Pradesh. The contractor shall quote his rates accordingly.
13. Chases, holes & drilling works etc. shall be done using power operated tools in the cost of contract. No extra will be paid for the same.
14. The agency shall restore back the premises and other articles provided by the department to the department at the time of closure of the contract.
15. In the case of discrepancy between the schedule of quantities, the Specifications and/or the Drawings, the following order of preference shall be observed: -
  - Description of schedule of quantities.
  - Additional specifications and special conditions, if any.
  - Contract clauses of General conditions of contract for Central P.W.D. works.
  - CPWD specifications.
  - Architectural drawings.
  - Indian standards specifications/BIS. (vii) Sound engineering practice. Any reference made to any Indian standards specifications in these documents, shall imply 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.
16. The contractor and /or his authorized agent should see the site order book every day and get the compliance of instruction given by the JE/AE/EE (E-I/C) as per time schedule.
17. In addition to the provisions of relevant clauses of the contract, the work shall also be open to inspection by the Engineer-In-Charge, NITAP and other senior officers of NITAP and his authorized representative. The contractor shall at times during the usual working hours and at all times at which reasonable notices of the intention of the Engineer- in-Charge or other officers as stated above to visit the works shall have been given to the Contractor, either himself be present to receive the orders and instructions or have a responsible Site Engineer

duly accredited in writing, to be present for that purpose Senior Officers of NITAP Authorities shall also be inspecting the on-going work at site at any time with or without prior intimation.

18. In order to ensure safe construction, following shall be adhered for strict compliance at the site:

- (i) The work site shall be properly barricaded.
- (ii) Adequate signage's indicating „Work in Progress – Inconvenience caused is Regretted“ or Diversion Signs shall be put on the sites conspicuously visible to the public even during night hours. These are extremely essential where works are carried out at public places in use by the public.
- (iii) The construction malba at site shall be regularly removed on daily basis.
- (iv) All field officials and the workers must be provided with safety helmets, safety shoes and safety belts.
- (v) Proper MS pipe scaffoldings with work – platforms and easy-access ladders shall be provided at site to avoid accidents.

Necessary First-Aid kit shall be available at the site.

19. All the debris during the execution of work shall be cleared every now and then and site shall be kept clear by the contractor at all times.

20. The contractor has to make his own arrangements for the watch and ward of the materials and other installations till the installation / work is completely handed over to the department. No extra claim will be entertained on account of this. Any damage to the materials during or under storage will be to the contractor's account.

21. No quantity deviation is permitted without written approval of the competent authority. Permissible deviation shall be sanctioned by the competent authority as per the agreement. Deviation beyond permissible limits shall be sanctioned by the competent authority as per the prevailing Local Market Rates only and the decisions of the department is final and binding on the contractor.

**JURISDICTION:**

The Court of Tadepalligudem alone will have jurisdiction to try any matter/dispute or reference between the parties arising out of this agreement/contract

## PROFORMA OF SCHEDULES

### SCHEDULE "A"

Schedule of quantities: - (ENCLOSED)

### SCHEDULE "B"

Schedule of materials to be issued to the contractor.

Ser. No.	Description of item	Quantity	Rates in figures & words at which the material will be charged to the contractor	Place of issue
(1)	(2)	(3)	(4)	(5)
NIL				

### SCHEDULE "C"

Tools and plants to be hired to the contractor

Ser. No.	Description	Hire charges per day	Place of Issue
(1)	(2)	(3)	(4)
DELETED			

### SCHEDULE 'D'

Additional Condition and specifications: Enclosed

### SCHEDULE "E"

Reference to General Conditions of contract

Name of work : "Providing and Laying of CPVC pipe lines and S, I, T, C of RO Plants to various locations at NIT Andhra Pradesh, Tadepalligudem."

Estimated cost of work : Rs. 55,94,000/- (Including GST)

Earnest money : Rs. 1,40,000/-

Security Deposit :

Performance Guarantee : 10% of tendered value.

## **SCHEDULE “F”**

### **GENERAL RULES & DIRECTIONS:**

Officer inviting tender : Dean (P&D), NITAP on behalf of Director  
NITAP

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 : Dean (P&D), NITAP

Accepting Authority : Dean (P&D), NITAP

**Percentage on cost of materials and labour to cover all overheads and profits** :15%

**Standard Schedule of Rates** :Central Public Works Department Schedule of Rates - 2021 at Delhi with up to date correction slips

**Standard NITAP Contract Form** : GCC for CPWD Works - 2020 as amended and up to and including correction slip



# CLAUSES

## CLAUSE 1

1. Time allowed for submission

of Performance Guarantee, programme chart

(Time and progress) and applicable labour : 07 Days

Licenses, registration with EPFO,

ESIC and BOCW welfare board or proof of

applying Thereof from the date of issue of

letter of acceptance

2. Maximum allowable extension with late fee

@ 0.1% per day of Performance Guarantee : 01 to 15 Days

amount beyond the period Provided in (1) above

## CLAUSE 2

Authority for fixing compensation under clause 2 : Dean (P&D)/Director, NITAP

## CLAUSE 5

1. Time allotted for execution of work : 90 days

2. Number of days from the date of issue of letter of : 07 Days

acceptance for reckoning date of start Mile stone(s)

as per table given below: -

SI No	Description of Milestone (Physical)	Time allowed in days (From date of start)	Amount to be withheld in case of non-achievement of milestone
1	25% of agreement value	One fourth of time allowed for completion.	In the event non-achieving the necessary progress as assessed, 2.5% of tendered value of work will be withheld from the bill for failure of each milestone
2	50% of agreement value	One half of time allowed for completion.	
3	75% of agreement value	Three fourth of time allowed for completion.	
3	100% of agreement value	Full period of time allowed for completion.	

Time allowed for execution of work – 90 days.

### Authority to decide:

- (i) Extension of time: Dean (P&D), NITAP
- (ii) Rescheduling of mile stones: Dean (P&D)
- (iii) Shifting of date of start in case of delay in handing over of site: Dean (P&D)

<b>CLAUSE 7</b>	: No.
Payment on intermediate certificate to be Regarded as advances	
<b>CLAUSE 8</b>	
Completion Certificate	: Applicable
<b>CLAUSE 9</b>	
Payment of First & Final bill	: Applicable
<b>CLAUSE 11</b>	
Specifications to be followed for execution of work	: CPWD Specifications 2019 Vol-I & Vol-II (Civil) with modification up to last date of tender submission. CPWD General Specifications for Electrical Works – 2013, amendment/corrected up to last date of online Bid Submission
<b>CLAUSE 12</b>	
Authority to decide deviation up to 1.5 times of tendered amount	: <b>Dean (P&amp;D)</b>
<b>CLAUSE 16</b>	
Action in case of work not done as per specifications	: Applicable
<b>CLAUSE 17</b>	
Contractor liable for damages, defects during defect liability period	: Applicable
<b>CLAUSE 18</b>	
List of mandatory machinery, tools & plants to be deployed by the contractor at site.	: As required by Executive Engineer
<b>CLAUSE 25</b>	
Constitution of Dispute Redressal Committee (DRC)	: To be decided by competent authority at the time of appointment of Arbitrator

## DECLARATION

It is to certify that:

1. I/We agree with the terms and conditions of it and understood that it will form part of the agreement.
2. I hereby certify that none of my relative(s) are employed in NITAP, Andhra Pradesh. In case at any stage, it is found that the information given by me is false/incorrect, NITAP shall have the absolute right to take any action as deemed fit without any prior intimation to me”.
3. I/We undertake and confirm that eligible Work(s) has/have not been got executed through another contractor on back-to-back basis. Further, it is stated that, if such a violation comes to the notice of Department, then I/We shall be debarred for bidding in NITAP in future forever. Also, if such a violation comes to the notice of NITAP before date of start of work, the Engineer-In-Charge shall be free to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee.
4. I / We have signed (with stamp) uploaded documents of the tender before submitting the same.
5. All the information and documents given/ uploaded for bids are true.
6. I / We have submitted the original EMD.
7. I / We have provided our e-Mail id for any communication in this regard.
8. I have read carefully & understood the important instructions to the all bidders.

Date.....

Contractor

E-Mail:

(Sign with Seal)

**CPWD 7/8**

**NATIONAL INSTITUTE OF TECHNOLOGY, ANDHRA PRADESH**

**Percentage Rate Tender/ Contract for Works**

**Tender for the work of “Providing and Laying of CPVC pipe lines and S, I, T, C of RO Plants to various locations at NIT Andhra Pradesh, Tadepalligudem.”**

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 agree to keep the tender open for **Ninety (90) days** from the due date of opening of financial bid and not to make any modification in its terms and conditions.

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 NITAP in future for period as per decision of Engineer-in-Charge. 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 Deposited / Performance Guarantee.

Dated #.....

Signature of Contractor#

Postal Address#

Witness: #

e-Mail id#

Address: #

Occupation: #

# To be filled in by the contractor/witness as applicable

## **AFFIDAVIT**

I/we undertake and confirm that our firm/partnership firm has not been blacklisted by any state/Central Departments/PSUs/Autonomous bodies during the last 7 years of its operations. Further that, if such information comes to the notice of the department, then I/we shall be debarred for bidding in NIT Andhra Pradesh in future forever. Also, if such information comes to the notice of NIT Andhra Pradesh on any day before date of start of work, the Engineer-in-charge shall be free to cancel the agreement and to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee (Scanned copy of this notarized affidavit to be uploaded at the time of submission of bid)

NOTE: Affidavit to be furnished on a 'non-Judicial' stamp paper worth Rs.100/-

Signature of Bidder(s) or an authorized Officer of the firm with stamp

Signature of Notary with seal

**LETTER OF TRANSMITTAL**

From:

To

The Dean (P&D), NIT Andhra Pradesh

**Subject:** Submission of bids for the work of **Providing and Laying of CPVC pipe lines and S, I, T, C of RO Plants to various locations at NIT Andhra Pradesh, Tadepalligudem.**

Sir,

Having examined the details given in the bid document for the above work, I/we hereby submit the relevant information.

I/we hereby certify that all the statements made and information supplied in the enclosed forms A to G and accompanying statement are true and correct.

I/we have furnished all information and details necessary for eligibility and have no further pertinent information to supply.

I/we authorize Engineer-In-Charge or his representative to approach individuals, employers, firms and corporation to verify our competence and general reputation.

**Certificate:** It is certified that the information given in the enclosed eligibility bid are correct. It is also certified that I / We shall be liable to be debarred, disqualified / cancellation of enlistment in case any information furnished by me / us is found to be incorrect.

Enclosures:

Signature(s) of Bidder(s)

Date of submission

Seal of bidder

**INTEGRITY PACT**

To,

.....  
.....

**Sub: "Providing and Laying of CPVC pipe lines and S, I, T, C of RO Plants to various locations at NIT Andhra Pradesh, Tadepalligudem."**

Dear Sir,

It is here by declared that NITAP 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 **NITAP**.

Yours faithfully,

Dean (P & D)

NITAP

**FORM OF APPLICATION BY THE CONTRACTOR FOR SEEKING EXTENSION OF TIME**

(PART – I)

1. Name of contractor
2. Name of work as given in the agreement
3. Agreement no.
4. Estimated amount put tender
5. Date of commencement of work as per agreement
6. Period allowed for completion of work as per agreement
7. Date of completion stipulated in agreement
8. Period for which extension of time has been given previously:
9. Reasons for which extension have been previously given (copies of the previous applications should be attached)

	letter no. and date	Extension granted	
		Months	Days
(a) 1st extension .....			
(b) 2nd extension .....			
(c) 3rd extension .....			
d) 4th extension .....			
(e) Total extension previously given.....			

10. Period for which extension if applied for

11. Hindrances on account of which extension is applied for with dates on which hindrances occurred and the period for which these are likely to last.

Serial No	Nature of hindrance	Date of occurrence	Period for which it is likely to last	Period for which extension required for this particular hindrance	Overlapping period if any, with reference to item.	Net extension applied for	Remarks, if any
a	b	c	d	e	f	g	h

Total period on account of hindrances mentioned above..... Months..... Days

12. Extension of time required for extra work.



13. Details of extra work and the amount involved.

a. Total value of extra work

b. Proportionate period of extension of time based on estimated amount put to tender on account of extra work.

14. Total extension of time required for 11 & 12

Submitted to the Dean (P & D), NIT Andhra Pradesh .....

**FORM OF APPLICATION OF THE CONTRACTOR FOR SEEKING RESCHEDULING OF THE MILESTONES**

1. **Name of contractor**
2. **Name of work as given in the agreement**
3. **Agreement no.**
4. **Estimated amount put tender**
5. **Date of commencement of work as per agreement**
6. **Period allowed for completion of work as per agreement**
7. **Date of completion stipulated in agreement**
8. **Rescheduling of milestones done previously**

Milestone ..... No. ..... Already Rescheduled	Letter No. and Date	Rescheduling Of Milestones Done	
		Original Date	Rescheduled Date
(A) 1st Milestone			
(B) 2nd Milestone			

Rescheduling of milestone applied for

Milestone No. For Which Rescheduling ..... is Applied	Original/ Rescheduled Date	Details And Period of Hindrances	Comments ..... of SUPERINTEN DING Engineer	Proposed Rescheduled Date of
(A) ..... 1st Milestone				
(B) ..... 2nd Milestone				

Submitted to the Dean (P &D), NIT Andhra Pradesh

Signature of Contractor

Dated

**NO CLAIM CERTIFICATE**  
**(On Contractor/Bidder letterhead)**

To,  
The Dean (P&D),  
NITAP

Name of Work-

Agreement No. -

Sub: No claim declaration / certificate

We have received the sum of Rs. (Rupees .....  
only) in full and final settlement of all the payments due to us for the above stated work under the above-mentioned contract agreement, between us and NIT Andhra Pradesh, We hereby unconditionally, and without any reservation whatsoever, certify that with this payment, we shall have no claim whatsoever, of any description, on any account, against Procuring Entity, against aforesaid contract agreement executed by us. We further declare unequivocally, that with this payment, we have received all the amounts payable to us, and have no dispute of any description whatsoever, regarding the amounts worked out as payable to us and received by us, and that we shall continue to be bound by the terms and conditions of the contract agreement, as regards performance of the contract.

Yours faithfully,

Signatures of contractor

or Officer authorized to sign the contract documents on behalf of the contractor

(Company stamp)

Date:.....

Place: .....

**LIST OF APPROVED MAKES**

<b>S.No.</b>	<b>Materials</b>	<b>Approved Make</b>
1	Ordinary portland cement/ portland pozzoland	ACC/Ultratech/Vikram/Jaypee cement/ JK cement/Rasi cement/KCP cement/ Bharathi cement/Maha Cement/ M/s Sagar cements
2	CPVC Pipes & Fittings	Shirvad/Paince/Supreme/Finolex/Astral/Kisan
3	G.I Pipe	TATA/Prakash/Jindal/Zenith
4	Gun metal valves	Zoloto/Leder/SANT
5	UPVC Pipes & Fittings	Supreme/Prince/Astral/Kisan/Finolex/Sudhakar/ Ashirvad
6	Stainless steel	TATA/Jindal/JSW
7	Motors	CRI/Kirloskar/Suguna/Texmo

**Note:**

- I. Unless otherwise specified, the brand/make of the material as specified in the item nomenclature or in the particular specifications or in the list of approved materials attached in the tender, shall be used in the work.
- II. The Contractor shall obtain prior approval from the Engineer-in-charge before placing order for any specific material/ Brand/ Make.
- III. Whenever the specified brand of material is not available then, the Engineer-in-charge may approve any material equivalent to that specified subject to proof being offered by the Contractor for its equivalence and its non-availability to his satisfaction.

## RO PLANT SPECIFICATIONS

S.No.	Description	500 LPH Capacity	2000 LPH Capacity	
1	Raw Water Feed Pump	Type	Centrifugal	
		Flow rate	1500 Liters/Hour	
		Discharge Capacity	2.5 kg/sq.cm (min.)	
		Motor Rating	1.0 HP (min.)	
		Electricity	220 V, single phase	
		Quantity	O2	
2	Pressure Sand Filter (PSF)	Capacity	1500 Liters/Hour	
		Min. Operating Pressure	1.5 kg/sq.cm	
		Media	Support bed + Carbon	
		Quantity	1	
	Dual Media Filter (DMF)	Capacity (min.)	-	3300 Liters/Hour
		Operating Pressure (min.)		3.5 kg/sq.cm (min.)
		Type of Valve		Single-Multiport
		Media		Anthracite + Support Bed
		Bed depth (min.)		800 mm
		Quantity		1
	3	Activated Carbon Filter (ACF)	Capacity	1200 Liters/Hour
			Min. Operating Pressure	1.5 kg/sq.cm
Media			Activated Carbon+ sand	
Quantity			1	
4	Antiscalant Dosing System	<b>Dosing Pump</b>		
		Type	Electro-magnetic	Electro-magnetic
		Capacity	1.5 Liter/Hour	1.5 Liter/Hour
		Discharge Pressure	4 kg/sq.cm	4 kg/sq.cm
		Quantity	1	1
		<b>Dosing Tank</b>		
		Capacity	100 Liters	100 Liters
		Material of Const.	HDPE	HDPE

		Quantity	1	1
5	Micro Cartridge Filter (For removing suspended particles > 5 micron)	Capacity	1200 Liters/Hour	3300 Liters/Hour
		Material of Cartridge	Polypropylen	Polypropylen
		Filter Rating	5 micron	5 micron
		Length	20"	20"
		Quantity	1	1
6	High Pressure Pump	Type of Pump	Vertical Multistage Centrifugal	Vertical Multistage Centrifugal
		Capacity	1200 Liters/Hour	3300 Liters/Hour
		Discharge pressure (Max.)	13 Kg/sq.cm	13 Kg/sq.cm
		Material of Construction	SS 304	SS 304
		Electricity	220 V, Single phase	415 V, Three phase
		Quantity	1	1
7	Reverse Osmosis Membrane	Permeate capacity	500 Liters/Hour	2000 Liters/Hour
		Membrane Type	Spiral wound TFC-polyamide	Spiral wound TFC-polyamide
		Size	Dia. 4" X 40" long	Dia. 4" X 40" long
		No. of Membrane	2	9
		No. of Membrane Housing	2	3
		Skid Material of Construction	Mild Steel-Power Coated	Mild Steel-Power Coated
8	UV System	Capacity	500 Liters/Hour	2000 Liters/Hour
		Quantity	1	1
9	Instrumental List	<b>A) Pressure Gauges</b>	3 No.s	5 No.s
		Range	0-21 bar	0-21 bar
		Dail Size	4 inches	4 inches
		Type	Bourdon	Bourdon
		<b>B) Pressure Switches</b>	2 No.s	2 No.s
		Range	0-450 psi	0-450 psi
		<b>C) Conductivity meter</b>	1 (Panel Mounted)	1 (Panel Mounted)
		<b>D) Rotameter</b>	2	2
		<b>E) Level switch</b>	2	2
		<b>F) Digital TDS Meter</b>	1	1

10	Electrical Control Panel	<b>A)</b> Starters, Overload relays, single/three phase controller for pump	Should be provided of adequate capacity Havells/Anchor/Equivalent	Should be provided of adequate capacity Havells/Anchor/Equivalent
		<b>B)</b> Voltmeter, ammeter, MCBs	Should be provided of adequate capacity	Should be provided of adequate capacity
		<b>C)</b> PLC Touch Panel	Should be provided	Should be provided
		<b>D)</b> Feed/Product water conductivity meter	Should be provided	Should be provided
11	PH Correction Dosing Tank	<b>Dosing Pump</b>		
		Quantity	1	1
		Type	Electro-magnetic	Electro-magnetic
		Capacity	0-1.5 LPH	0-1.5 LPH
		Discharge Pressure	2 kg/sq.cm	2 kg/sq.cm
		<b>Dosing Tank</b>		
		Capacity	50 Liters	50 Liters
		Material	HDPE	HDPE

**5 HP Motors Specifications**

Motor (3 Phase)	: 5 HP Horizontal multi stage pump
Full body Material	: Stainless steel, AISI 316
Size of inlet connection	: DN 40
Size of outlet connection	: DN 40
Pump speed on which pump data are based	: 2900 rpm
Rated flow	: 10 m <sup>3</sup> /h
Rated head	: 50 m

**10HP Motors Specifications**

Motor (3 Phase)	: 10 HP Horizontal multi stage pump
Full body Material	: Stainless steel, AISI 316
Size of inlet connection	: DN 40
Size of outlet connection	: DN 40
Pump speed on which pump data are based	: 2900 rpm
Rated flow	: 10 m <sup>3</sup> /h
Rated head	: 70 m



**General information/Checklist**

All the commercial conditions shall also be indicated in this part. Deviations, if any, to our specifications shall be brought out very clearly. Bidders shall mention point-wise confirmation with regard to technical specifications given in our Enquiry.

<b>S. No</b>	<b>Particulars</b>	<b>Yes</b>	<b>No</b>
1	Copy of original tender draft downloaded from the NIT Andhra Pradesh website.		
2	In the form of RTGS/NEFT from National Bank towards Tender Processing Fee		
3	Crossed Demand Draft from National Bank towards EMD		
4	Copy of firm registration		
5	Copy of Contract registration		
6	Copy of GST registration		
7	Copy of PAN card		
8	Copy of relevant work order(s)		
9	Copy of Work satisfactory certificate(s)		
10	Copy of Financial turnover certificate issued from Chartered Accountant with UDIN on his letter head.		
11	Copies of Income Tax Saral form>Returns along with Audited financial statements, Profit and Loss Account, Balance sheets, Form 26AS and 3CA&3CB for last 3 years subjected to financial statement submitted to firm/proprietary/company.		
12	Declaration in the format given by the Institute		
13	Financial bid cover		

**Enclose all certificates in support of the above statements.**

Date:

Authorized Signatory

Name:

Place:

Designation:

Company:

Contact No:

Company Seal:

**SCHEDULE OF QUANTITIES**

S.NO	DSR-2018	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT IN RS.
1	2.10.1.1	Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 1.5 m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m All kinds of soil				
		Pipes, cables etc, not exceeding 80 mm dia.	Metre	2150	245.67	528,190.50
2	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift up to 1.5 m.				
			Cum	251	241.98	60736.98
3		Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold-water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall				
	18.7.2	20 mm nominal outer dia Pipes	Meter	1489	338.16	503,520.24
	18.7.3	25 mm nominal outer dia Pipes		783	406.74	318,477.42
	18.7.4	32 mm nominal outer dia Pipes		905	529.42	479,125.10
	18.7.5	40 mm nominal outer dia Pipes		1800	714.56	1,286,208.00
	18.7.6	50 mm nominal outer dia Pipes		55	903.5	49,692.50
4	LMR	Providing and fixing Polyvinyl Chloride (PVC) pipes, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one-step PVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on the wall (Waste water)				
		50 mm nominal outer dia Pipes	Meter	880	250	220000
5	18.48	Providing and placing on terrace (at all floor levels) polyethylene water storage tank IS: 12701 marked with three layers, suitable shape and size, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank as per direction of engineer in-charge Note: Colour preferences - White only	per liter	16000	8.8	140800

6	LMR	Providing and placing on terrace (at all floor levels) SS 304 grade with suitable shape and size water storage tank, with thickness 2mm with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank as per direction of engineer in-charge	per litre	4000	30.00	120,000.00
7	LMR	Supply and transportation of 3-phase ISI Horizontal multi stage Booster pump & motor set 5 H.P.(40mmX40mm) Detailed specifications are enclosed	No's	6	70,000	420,000.00
8	LMR	Supply and transportation of 3-phase ISI Horizontal multi stage Booster pump & motor set 10 H.P.(40mmX40mm) Detailed specifications are enclosed	No's	4	95,000	380,000.00
10	15.3	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in-charge.	cum	2	2534.7	5,069.40
11	4.1.8	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:				
		1:4:8 (1 Cement: 4 coarse sand (zone-III) derived from natural sources: 8 graded stone aggregate 40 mm nominal size derived from natural sources)				
			cum	5	6326.05	31,630.25
12	18.17	Providing and fixing gunmetal gate valve with C.I wheel of approved quality (Screwed end) as required as per direction of Engineer in-charge.				
	18.17.1	25 mm nominal bore	each	2	497.15	994.30
	18.17.1A	20 mm nominal bore	each	41	460.2	18,868.20
	18.17.2	32 mm nominal bore.	each	12	581.25	6,975.00
	18.17.3	40 mm nominal bore	each	12	678.4	8,140.80
						34,978.30
13	LMR	Supply, Installation, Testing and Commissioning of 2000LPH Reverse Osmosis Plant	each	1	450000	450,000.00
14	LMR	Supply, Installation, Testing and Commissioning of 500LPH Reverse Osmosis Plant	each	2	300000	600,000.00

PRICE BID

File No: NITANP/SMMD/TENDER/2023-24/41

Date: 05.09.2023

**Name of the Work: Providing and Laying of CPVC pipe lines and S, I, T, C of RO Plants to various locations at NIT Andhra Pradesh, Tadepalligudem.**

**Estimated contract value (In figures & Words) Rs. 55,94,000/- (Rupees Fifty-Five Lakhs Ninety-Four Thousand only)**

I/We hereby express my/our willingness to execute the aforesaid work as per the conditions, standards, specifications, rules, regulations, etc., stipulated in the tender document.

We quote the cost equal to \_\_\_\_\_ percentage LESS/MORE of the ECV cited above.

- **Either 'LESS' or 'MORE' must be ticked above to decide the discount or excess component of the ECV Percentage. Else, the bid will be treated unresponsive in case of ambiguity.**
- **The percentage of cost component of ECV shall be between 0.00 to 5.00 (both numbers inclusive) to a maximum of 2 decimals.**

**NOTE:**

- Item Rates includes GST, Labour Cess, Water Cess, CP & OH as per the Government norms.
- L1 shall be finalized only when the bidder quoted least percentage on ECV.
- 2% TDS amount of GST payable on the bills will be deducted as per the Govt. of India, Ministry of finance, Department of Revenue notification vide No.65/39/2018-DOR, dated: 14-09-2018.
- Seigniorage charges applicable as per the Government of Andhra Pradesh, Department of Mines and Geology.
- Labour Welfare Cess @ 1% shall be deducted at source from the bills of Gross Value (Which includes the cost of stipulated materials) of the work done and Government shall not entertain any claim what so ever in this respect in this contract.

- In case of a tie, the contract will be awarded to the Contractor/Contracting Firm having highest Average Annual Turnover for the FY 2020-21, 2021-22 and 2022-23.

**Signature of the Authorized Signatory**

**Name:**

**Designation:**

**Address:**

**Tel./Mobile**

**No.: E-mail**

**ID:**

**Date:**

**Seal of the Firm:**