



राष्ट्रीय विज्ञान शिक्षा एवं अनुसंधान संस्थान, भुवनेश्वर
(परमाणु उर्जा विभाग, भारत सरकार का एक स्वयं शासित संस्थान)
NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, BHUBANESWAR
(AN AUTONOMOUS INSTITUTE UNDER DEPT. OF ATOMIC ENERGY, GOVT. OF INDIA)

Corrigendum Notice-01

NIT No. & Date: - NISER/ IWD-Civil/Utilities/2019/8, Dtd-26.07.2019

The last date for submission and opening of tender for the work “**Cleaning & Disinfection of Overhead & Underground water storage tanks in NISER Campus, Jatani**” is extended as follows

Last date of submission of tender (online):	16 August, 2019 up to 12.30 PM.
Original EMD & Tender Paper cost submission at Office:	16 August, 2019 upto 3.45 PM.
Tender Opening date :	16 August, 2019 at 04.00 PM.

All other terms and conditions will remain unchanged.

P. C. Panikwar 8/8/2019
Faculty-In-Charge
Institute Works Department
[Signature] *[Signature]*



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NIT No. & Date: - NISER/ IWD-Civil/Utilities/2019/08, Dtd-26.07.2019.

Name of Work: - Cleaning & Disinfection of Overhead & Underground Water storage Tank at NISER campus, Jatni.

Estimated Cost of Tender: -	Rs 4, 75, 853.00
Completion Time: -	90 days
Earnest Money : -	Rs. 9, 518.00
Cost of tender (non-refundable):-	Rs. 500.00 (Rupees Five Hundred Only).

NOTE:

1. The details of tender notification can be downloaded from www.tenderwizard.com/NISER under "**Tender Free View**" link.
2. Vendors should obtain the USER ID and PASSWORD from www.tenderwizard.com/NISER by clicking on "**REGISTER ME**" link in the homepage.
3. The Vendor registration fees has to be paid to ITI Ltd for Rs. 1180/-. Using the e-payment link provided at the time of registration, and the mode of payments are Credit Card, Debit Card and Internet Banking. Vendor Registration is Valid for 1year.
4. For further details on e-Tender participation, please contact ITI Help desk on
 - Telephone: 080-49352000/9686115318
 - Email: harishkumar.kb@etenderwizard.com, ambasa@etenderwizard.com.
5. Tenders should be submitted only through e-Tender portal and obtain the Tender Acknowledgement copy as a proof of successful submission.



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TENDER DOCUMENTS

NIT No. NISER/ IWD-Civil/Utilities/2019/08,

Dtd-26.07.2019

Name of work: “Cleaning & Disinfection of Overhead
& Underground Water Storage Tanks in
NISER Campus, Jatni.”

I N D E X

Sl. No.	Particulars	Remarks
1.	Particulars of Contractor	First Part- Technical Bid
2.	Eligibility Criteria	
3.	Abstract of general terms and conditions	
4.	Checklist of documents	
5	Experience of Contractor	
6	Bill of Quantities	Second Part - Financial Bid

NOTE: Tender can be downloaded and bided from website address:
www.tenderwizard.com/NISER. Tender documents for viewing only are also
available in NISER web-site address: www.niser.ac.in

SIGNATURE OF THE OFFICER ISSUING TENDER

NAME OF THE WORK

Cleaning & Disinfection of Overhead & Underground
Water Storage Tanks in NISER Campus, Jatni

FIRST PART

TECHNICAL BID

NOTE

The tenderer should enclose the following documents along with the Technical Bid otherwise tender will be summarily rejected.

- 1)
 - a) Scanned copy of self-attested works completion certificate during the last seven years from Govt./Semi- Govt. organization not below the rank of E.E as per NIT.
 - b) Scanned copy of self-attested valid Registration Certificate.
 - c) Scanned copy of self-attested PAN card.
 - d) Scanned copy of self-attested GST Registration certificate.
 - e) Scanned copy of the cost of tender paper for the bidders and EMD amount in separate D.D's as per NIT.
 - f) EPFO registration certificate
- 2) Also, contractors shall submit the above documents (self-attested) with original for verification before opening of technical bid for verification with original DD for EMD and cost of tender. The bidder those who will not submit the self-attested hard copies of required documents in the office, the technical bid of the bidder will not be opened.
- 3) Incomplete/Partial bid or bid not submitted in prescribed format will be rejected.



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NOTICE INVITING TENDER

Director, NISER invites online tender on Single bid system for the following work:-

NIT No. NISER/ IWD-Civil/Utilities/2019/08 Dated: 26.07.2019

Name of the Work: - Cleaning & Disinfection of Overhead & Underground Water Storage Tanks in NISER Campus, Jatni.

Estimated Cost	:	Rs 4, 75, 853.00
Earnest Money	:	Rs.9518 .00
Time of Completion	:	90 Days
Cost of tender (non-refundable)	:	Rs. 500.00 (Rupees Five Hundred Only)

Tender can be downloaded and bided from website address: www.tenderwizard.com/NISER.
Tender documents for viewing only are also available in NISER website address: www.niser.ac.in

Last date of submission of tender (online) : 07 Aug., 2019 up to 12.30 PM.

Original EMD & Tender Paper cost submission at Office : 07 Aug., 2019 up to 12.30 PM.

Tender Opening date : 07 Aug., 2019 up to 12.30 PM.

FIC (IWD)



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Tender Notice

NIT No. NISER/ IWD-Civil/Utilities/2019/08

Dated: 26.07.2019

Director, NISER hereby invites item rate tender in single parts for the following work of “**Cleaning & Disinfection of Overhead & Underground Water Storage Tanks in NISER Campus, Jatni**” from contractors of CPWD/MES/Railways/State PWDs and/or those who have worked for DAE or its Organizations or Govt. /Semi Government organizations and have successfully carried out a minimum of one/two/three **similar works (tank cleaning with methods as described in BOQ)** of 80%/60%/40% respectively of the estimated cost or above as indicated below, during the last seven years. The eligible contractors may submit their bid along with supporting documents of fulfilling the above conditions otherwise the bids bear the risk of not being considered. The eligible contractors are also required to submit the self-attested copies of PAN Card, Registration and GST Registration certificate, EPFO registration certificate.

In support of fulfilling all the essential conditions mentioned in the previous Para the contractor shall submit the past details, mentioning the name of work, estimated cost, tendered amount, gross value of work done, date of commencement as per agreement & actual date of completion as per agreement along with schedule of quantities executed and any penalty levied due to delay in executing the work from an officer not below the rank of Executive Engineer (Civil).

Estimated Cost	EMD	Performance Security	Time of completion
Rs.4, 75, 853.00	Rs 9, 518.00	@ 5% of tendered amount	90 days from the date of receipt of acceptance letter/ submission of PG

Tender can be downloaded and bided from website address: www.tenderwizard.com/NISER. Tender documents for viewing only are also available in NISER website address: www.niser.ac.in. The **tender cost of Rs. 500.00 & EMD of Rs. 9,518.00**, separately in the form of A/C payee DD/ Banker’s cheque drawn on any scheduled Bank, in favor of **Director, NISER**.

The tender documents are to be submitted in single parts. Self-attested documents in support of eligibility criteria of the contractor, Technical bid, tender cost and EMD are to be uploaded online. The second part with scheduled items of work & price quoted are to be uploaded in prescribed format as Financial Bid. The bidders those who are applied online have to submit the hard copies along with original documents mentioned in NIT on or before 07th Aug, 2019 upto 3.45 PM and bid will be opened at 04.00 PM on 07th Aug, 2019.

Director, NISER, reserves the right to accept/reject any/all tenders without assigning any reason whatsoever. Part or incomplete tenders will be summarily rejected. No further correspondences whatsoever shall be entertained in this regard. Canvassing in any manner shall result in rejection of the tender.

Any dispute arising out of this shall subject to Bhubaneswar jurisdiction only.

FIC (IWD)

General Terms and Conditions:

1. Online item rate tenders are hereby invited in single bid format for the work of “**Cleaning & Disinfection of Overhead & Underground Water Storage Tanks in NISER Campus, Jatni**”. The estimated cost of work is Rs. 4, 75, 853.00. The Earnest Money Deposit is Rs. 9, 518.00. Contractors of CPWD/MES/ Railways/State PWDs and/or those who have worked for DAE or its units or in any Govt./Semi Govt. organizations and have successfully carried out minimum one/two/three **similar work (tank cleaning with methods as described in BOQ)** of 80%/60%/40% respectively of the estimated cost and above during the last seven years, The eligible contractors may submit their bid along with supporting documents of fulfilling the above conditions otherwise their bids bear the risk of not being considered. The contractors those who are applied online also required to submit the self-attested copies of PAN CARD, registration, GST registration certificate, EPFO registration certificate, EMD (Original) & Tender Paper Cost (Original) before opening of the technical bid on or before 7th Aug. 2019 *upto 3.45 PM*.

In support of fulfilling all the essential conditions mentioned in the previous Para the contractor shall submit the details, mentioning the name of work, estimated cost, tendered amount, gross value of work done, date of commencement as per agreement & actual date of completion as per agreement along with schedule of quantities executed and any penalty levied due to delay in executing the work from an officer not below the rank of Executive Engineer (Civil).

2. The estimated cost of the work is **Rs. 4, 75, 853.00** (Rupees Four Lakh Seventy Five Thousand Eight Hundred Fifty Three only).
3. Period for completion of the work will be **90 Days** and the date of commencement shall be reckoned from the seventh day of issue of award letter.
4. The tender documents can be made available for viewing only at NISER website www.niser.ac.in.
5. Tenders can only be viewed from website www.niser.ac.in. The cost of tender document (Non-transferable) shall be submitted along with the technical bid. Please note that tender documents are not transferable. Tender can be downloaded and bided from website address: www.tenderwizard.com/NISER.
6. **Tenders complete in all respects, will be accepted through online up to 12.30 PM on 7th Aug 2019. The bid shall be opened at 04.00 PM on 07th Aug 2019.** Please note, that bids submitted without tender cost and EMD are summarily being rejected. The bidder those who will not submit the self-attested hard copies of required documents in the office, the bid of the bidder will not be opened.
7. The Earnest Money amounting to **Rs. 9, 518.00 (Rupees Nine Thousand Five hundred Eighteen only)** as demand draft or pay order from any scheduled Bank and drawn in favor of the **Director, NISER** should be deposited along with the tender documents. **Tender received without earnest money will be invalid and rejected.**

8. Director, NISER does not bind himself to accept the lowest or any tender and reserves the right to accept the tender either in whole or in part of the tender and the tenderer shall be bound to perform the same at the rates quoted. The decision of the Director shall be final in this regard.
9. Canvassing in connection with the tenders is prohibited and the tenders submitted by the contractor who resort to canvassing are liable for rejection.
10. The tenderer shall not be permitted to tender for works in the concerned unit of DAE in which a relative is posted in the grade between Controller of Administration and Scientific Assistant (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or subsequently employed by him and who relatives are as mentioned above.

NOTE:-

A person shall be deemed to be a relative of another if, (a) they are members of a Hindu undivided family; or (b) they are husband and wife; or (c) the one is related to the other in the following manner : Father, Mother (including step mother), Son (including step son), Son's wife, Daughter (including step daughter), Father's father, Son's son, Son's Son's wife, Son's daughter, Son's daughter's husband, Daughter's husband, Daughter's son, Daughter's son's wife, Daughter's daughter, Daughter's daughter's husband, Brother (including step brother), Brother's wife, Sister (including step sister), Sister's husband.

11. The Bid shall remain valid for a minimum period of 90 days from the date of opening of the tender for the purpose of acceptance and award of work. Validity beyond 90 days from the date of opening shall be by mutual consent.
12. The tenderer should see and obtain the drawings. In case of any queries, necessary clarifications may please be sought from the office of the Scientific Officer-D (Civil). No claim whatsoever will be entertained in this regard for any alleged ignorance thereof.
13. **Performance Guarantee** is liable to be forfeited if the contractor fails to commence the work as per award letter.
14. Some of the provisions of the contract are given below.
 - a) **MINIMUM VALUE OF WORK FOR THE INTERMEDIATE CERTIFICATE**
Intermediate certificate for a lesser amount can be admitted for payment at the discretion of the Institute.
 - b) **COMPENSATION** – In the event of any delay in completion of the work beyond the scheduled period, the contractor shall pay an amount equal to **one per cent** of the total cost of work or such smaller amount as decided by Director, NISER (whose decision shall be final) as compensation to the institute, for every week that the work remains un-commenced or unfinished. Compensation to be paid shall not exceed **ten per cent of the estimated cost** of the total work as per award letter.
15. Stores to be issued: - No material shall be issued by the Institute. The responsibility for arranging all materials from approved manufacturer as per award letter lies with the contractor.

16. Taxes as applicable will be deducted from every RA bill and also from the final bill of the contractor at the rate prescribed by govt. of India from time to time.

17. The price quoted by tenderer mentioned in work schedule shall be inclusive of all taxes and duties and no taxes or duties will be paid extra.

18. Escalation cost will not be given for the work which the stipulated period of completion is 18 (Eighteen) months or less.

19. The successful bidder will be required to inform the names, qualifications and experiences of the supervising staff to be deployed for execution of the work. In case of any changes occurring during the course of execution of the said work, the same shall also be intimated by the bidder to the institute.

20. The Contractor shall have to make his own arrangements for storage of materials required for execution of the work and NISER in any manner shall not be held responsible for the storage and safe custody of the said materials at work site.

21. Water charges @1% will be deducted from the Contractor's bill.

22. The power will be supplied on request at one point within 50 meter of the building premises. The contractor shall install his own main switch, energy meter, cables, electric board/switch room etc. of adequate capacity and of suitable type to receive, control and further distribute the power involved. The exact location and further details about the supply point will on receipt of the contractor's application be decided upon by the Department, whose decision in the matter will be final and binding. The total final connected load and the anticipated maximum demand shall be furnished by the contractor about one month in advance of the actual initial requirement and for any addition in load subsequent to initial supply, at least one week's notice from the date of submission of installation test report for the said additional load will be given. The electricity charges will be deducted from the contractor's bill as per actual meter reading.

23. Other/ General:

The Contractor shall undertake cleaning of Water Tanks by following complete process of Eight Stages Treatment given below:-

The job work will include:-

- i. **Dewatering**: Extract complete water from the water tanks effectively (Dewatering by Pump). Extracted water must be drained to nearest drain or to locations as directed by Engineer-in-charge.

- ii. **Sludge Removing Treatment**: The process includes the cleaning of floor, roof & walls of the tank. This means removal of sand, mud & any other extraneous matter with diluting process. (By Pump/manual)
- iii. **Algaecide Treatment**: Removal of Algae or Fungus which sticks on the inner walls of the tank. This treatment fully removes the dirty substance of the tank. (By Dusting Brush)
- iv. **High Pressure Treatment**: After removal of the major part of the dust we inspect the inside walls for removing the dust in the corners and hidden bacteria by high pressure cleaning utilizing anti-bacterial agents. This process enhances the overall cleaning procedure.
- v. **Improver Treatment**: Improver cleaning treatment of the entire surface of the tank to improve the taste/odor of water is done utilizing precision high pressure pumps.
- vi. **Chlorination Treatment (High Dose)**: Anti-Bacterial spray to kill germs & bacteria present in tanks. This is done in specific quantity of liquid chlorine which is not harmful to humans, but sufficient to kill germs and bacteria.
- vii. **Ultra – Violet Treatment**: In the last stage the entire surface is treated with Ultra – Violet rays for destroying the floating spores of germs and invisible bacteria. It is a very safe and versatile application for killing germs & it cannot be overdosed in any way. Agencies/contractor applying for tank cleaning work must ensure that they have used/have experience UV treatment process in earlier cleaning works. Agencies/contractors without having experience in UV treatment will be summarily rejected.
- viii. **Pipelines Treatment**: Disinfection of pipelines (O/H tanks to taps) to break the beds of bacteria.

- 24. The Contractor/ Supervisor shall ensure that deliberate wastage of water, electricity and misuse of other facilities of NISER by their personnel is avoided.
- 25. The contractor shall ensure that, once cleaning process undertaken for a tank, it has to be completed within the same day and resume the water supply as soon as possible.
- 26. The work should be executed during day time only for safety reason.
- 27. Tenderers shall inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders as to the nature of the site and shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their tender. A tenderer shall be deemed

to have full knowledge of the site whether he inspects it or not. Submission of a tender implies that the tenderer has read the complete contract documents and is aware of the conditions, specification of the work to be done and of the local conditions and other factors having a bearing on the execution of work. Any claim either for extra amount or for additional time for execution due to ignorance about the site and working condition is not payable.

28. The tenderer must plan all the cleaning work well in advance before executing the work and get it confirmed from Engineer-in-Charge, so as to minimize the water scarcity problem during cleaning process.
29. The tenderer should ensure that the personnel engaged in cleaning work must be equipped with all PPEs i.e. gumboot, safety helmet, Nose mask, hand gloves, safety goggles etc. failing which it is liable for penalty for safety lapses.
30. The tenderer shall ensure to deploy medically fit person for the aforesaid risky work as it involves direct contact with chlorine etc.
31. At the time of starting the work the contractor has to inform the list of tools and plants brought to the site work. No items other than the list submitted will be allowed to be taken out of the site.
32. It is the sole responsibility of the tenderer to ensure proper lightning/visibility, access (ladder etc.) and any other safety measures for the trained personnel during work.
33. The work will be executed as per CPWD, DAE procedure of work and direction of Engineer-In-charge.
34. All the materials shall be inspected in the presence of Department of their representative.
35. No materials/equipment shall be shipped to site unless the sample of the same is inspected, tested and certified for acceptance by the Department or their representative as per applicable standards.

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NAME OF THE WORK

Cleaning & Disinfection of Overhead & Underground
Water Storage Tanks in NISER Campus, Jatni

SECOND PART

FINANCIAL BID

FINANCIAL BID

**Cleaning & Disinfection of Overhead & Underground Water Storage
Tanks in NISER Campus, Jatni**

Sl. No.	Description of Items	Unit	Quantity	Rate	Amount
1	<p>Cleaning of underground sump, Over Head R.C.C. Tank of all capacity (independent staging) including disposal of slit and rubbish of all capacity, all as per direction of Engineer-in-Charge. The cleaning shall consist following operations:</p> <p>(i) Tank shall be emptied of water by pumping & bottom shall be cleaned of slit and other deposits.</p> <p>(ii) Entire surface area of the sump shall then scrubbed thoroughly with wire brush etc. and pressure washed with water.</p> <p>(iii) Chlorination of RCC internal surface by liquid chlorine.</p> <p>(iv) The treated surface shall be dried using air jetting and all loose particles shall be removal from the surface.</p> <p>(v) Finally the surface shall be treated with ultraviolet radiation etc. as per direction of Engineer-in-Charge.</p>	Litre	35, 13, 984.00		
2	Lettering with Deluxe Multi surface paint of approved brand and manufacture on the surface of water tank at all location & height or as directed by Engineer-in-Charge	per letter per cm height	4050.00		
			Total		

Note: Rate quoted shall be inclusive of all taxes and no extra claim be made except the rate quoted.