



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)

NIT No. & Date: - NISER/IWD-Civil/Services/2018/08A

Dtd-28.11.2018

Name of Work:- Providing & laying GI pipe line and CPVC line for supply and distribution of STP treated water at NISER Campus, Jatni

Estimated Cost of Tender	:-	Rs. 29,20,617.00
Completion Time	:-	03 (Three) calendar month
Earnest Money	:-	Rs. 58,412.00
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/Services/2018/08A

Date: 28.11.2018

Name of work: Providing and laying GI pipe line and CPVC line for supply and distribution of STP treated water at 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

Providing and laying GI pipe line and CPVC line for supply and distribution of STP treated water at 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.
- 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 two bid system (Technical Bid and Financial Bid) for the following work:-

NIT No. NISER/ IWD-Civil/Services/2018/08A, Dated: 28.11.2018

Name of the Work: - **Providing and laying GI pipe line and CPVC line for supply and distribution of STP treated water at NISER Campus, Jatni.**

Estimated Cost	:	Rs 29,20,617.00
Earnest Money	:	Rs. 58,412.00
Time of Completion	:	03 (Three) calendar month
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):	21 Dec, 2018 up to 12.30 PM.
Original EMD & Tender Paper cost submission at Office:	21 Dec, 2018 up to 3.45 PM.
Tender Opening date (Technical Bid):	21 Dec, 2018 at 04.00 PM.

Registrar, NISER



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Tender Notice

NIT No. NISER/ IWD-Civil/Services/2018/08A

Dated: 28.11.2018

Director, NISER hereby invites item rate tender in two parts for the following work of “ **Providing and laying GI pipe line & CPVC line for supply and distribution of STP treated water at 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 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.

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	Security Deposit	Time of completion
Rs.29,20,617.00	Rs.58,412.00	@ 5% of tendered amount	A sum @ 5% of the gross amount of the bill shall be deducted from each running bill till the sum amounts to Security Deposit @ 5% of the tendered amount of the work.	03 months 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. 58,412.00**, 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 two parts (Technical & Financial Bid). 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 **21Dec, 2018 upto 3.45 PM and Technical bid will be opened at 04.00 PM on 21 Dec, 2018**. Those who qualify the technical bid shall be intimated later mentioning the date of opening of the financial bid.

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.

Registrar, NISER

General Terms and Conditions:

1. Online item rate tenders are hereby invited for the work of “**Providing and laying GI pipe line and CPVC line for supply and distribution of STP treated water at NISER Campus, Jatni**”. The estimated cost of work is **Rs. 29,20,617.00**. The Earnest Money Deposit is **Rs. 58,412.00**. 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 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 EMD (Original) & Tender Paper Cost (Original) before opening of the technical bid on or before 21Dec, 2018 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. 29,20,617.00** (Rupees twenty nine Lakh twenty thousand six Hundred & seventeen only).
3. Period for completion of the work will be **03 calendar months** and the date of commencement shall be reckoned from the date of receipt of acceptance letter/ submission of PG.
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. Tender documents are to be uploaded in two parts. The First part shall consist of the technical Bid including the cost of tender, EMD and the documents in support of eligibility criteria. The second part shall contain the financial bid showing the detail schedule of work. **Tenders complete in all respects, will be accepted through online up to 12.30 PM on 21Dec2018. The bid shall be opened at 04.00 PM on 21Dec 2018.** 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 technical bid of the bidder will not be opened.
7. The Earnest Money amounting to **Rs. 58,412.00 (Rupees fifty eight thousand four hundred & twelve 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 in first part (Technical bid). **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) **DEFECT LIABILITY PERIOD** - Twelve months from the date of completion as certified by the authorized engineer.
 - b) **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.
 - c) **SECURITY DEPOSIT** - A sum @ 5% of the gross amount of the bill shall be deducted from each running bill of the contractor, till the sum amount to security deposit of 5% of the tendered value of the work. In addition, the contractor shall be required to deposit an amount equal to 5% of the tendered value of the contract as **Performance Security** within the period prescribed for commencement of work in the letter of award issued to him.
 - d) **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. Escalation cost will not be given for the work which the stipulated period of completion is 18 (Eighteen) months or less.
18. 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.
19. 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.
20. Source of water will be available within 400mtr or less distance from the site. Water charges @1% will be deducted from the Contractor's bill.
21. The power will be supplied on request at one point within 100 meter of the building / site 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.
22. 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.
23. The work should be executed during day time only for safety reason.
24. 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.

25. 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.
26. The work will be executed as per CPWD, DAE procedure of work and direction of Engineer-In-charge.
27. **Penalty** will be imposed (as per CPWD) if the contractor fails to complete the work as per award letter.
28. All the materials shall be tested / inspected in the presence of Department of their representative.
29. No materials/equipment shall be shipped to site unless it is inspected, tested and certified for acceptance by the Department or their representative as per applicable standards. Sample of material shall be approved by the Engineer-in-charge before supply the same to the site or commencement of work. The non-approved materials shall be taken out from the site immediately without any delay.

Registrar, NISER



National Institute of science education and research, JATNI
Notice Inviting E-Tender No.- NISER/ IWD-Civil/Services/2018/08A, Dtd-28.11.2018.
Bill of Quantities

Providing and laying GI pipe line and CPVC line for supply and distribution of STP treated water at NISER campus, Jatni.

FINANCIAL BID

www.tenderwizard.com/NISER

Name of the Vendor

Sl. No.	Description of Items	Unit	Quantity	Rate in Figures	Rate in Words	Amount
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 upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge.All kinds of soil	Cu M	180.00		#NAME?	0.00
2	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 upto 50 m and lift upto 1.5 m, as directed by Engineer-incharge. Ordinary rock	Cu M	10.29		#NAME?	0.00
3	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) : 8 graded stone aggregate 40 mm nominal size)	Cu M	1.27		#NAME?	0.00
4	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) : 4 graded stone aggregate 20 mm nominal size).	Cu M	5.32		#NAME?	0.00
5	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level : 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III): 3 graded stone aggregate 20 mm nominal size).	Cu M	0.30		#NAME?	0.00
6	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Thermo-Mechanically Treated bars of grade Fe-500D or more.	kg	36.00		#NAME?	0.00
7	Providing, laying and fixing G.I. pipes conforming to IS:1239 PART-1 (2004) of heavy duty (C class) of JINDAL/TATA make with approved quality etc complete with all G.I. fittings, like Tee, bend, socket etc including trenching and refilling, minimum 350mm depth, with proper line,level & gradient etc complete as per direction of Engineer in charge. 80 mm dia nominal bore. External work	mtr	300.00		#NAME?	0.00
8	Providing, laying and fixing G.I. pipes conforming to IS:1239 PART-1 (2004) of heavy duty (C class) of JINDAL/TATA make with approved quality etc complete with all G.I. fittings, like Tee, bend, socket etc including trenching and refilling, minimum 300mm depth, with proper line,level & gradient etc complete as per direction of Engineer in charge. 50 mm dia nominal bore. External work	mtr	750.00		#NAME?	0.00
9	Providing, laying and fixing G.I. pipes conforming to IS:1239 PART-1 (2004) of heavy duty (C class) of JINDAL / TATA make with approved quality etc complete with all G.I. fittings, like Tee, bend, socket etc with proper line,level & gradient with placing on/through brick pedestal or benches by clamping with GI clamps etc. complete as per direction of Engineer in charge. (the brick pedestals will be paid extra) 80 mm dia nominal bore. External work	mtr	480.00		#NAME?	0.00

10	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:4 (1 cement : 4 coarse sand)	Cu M	9.00		#NAME?	0.00
11	Making connection of G.I. distribution branch with G.I. main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete : 50 to 80 mm nominal bore	each	5.00		#NAME?	0.00
12	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 80 mm nominal bore	each	2		#NAME?	0.00
13	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 50 mm nominal bore	each	10		#NAME?	0.00
14	Providing and laying flanged C.I. standard specials such as tees, bends, collars, tapers, caps etc., suitable for flanged jointing as per IS : 1538 :Up to 300 mm dia	qtl	2.00		#NAME?	0.00
15	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) : 80 mm nominal bore	each	7.00		#NAME?	0.00
16	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) : 50 mm nominal bore	each	12		#NAME?	0.00
17	Constructing masonry Chamber 30x30x50 cm inside, in brick work in cement mortar 1:4 (1 cement :4 coarse sand) for stop cock, with C. I. surface box 100x100 x75 mm (inside) with hinged cover fixed in cement concrete slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), i/c necessary excavation, foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40mm nominal size)	each	2.00		#NAME?	0.00
18	Painting G.I. pipes and fittings with two coats of anti-corrosive bitumastic paint of approved quality : 80 mm diameter pipe	mtr	780.00		#NAME?	0.00
19	Painting G.I. pipes and fittings with two coats of anti-corrosive bitumastic paint of approved quality : 50 mm diameter pipe	mtr	750.00		#NAME?	0.00
20	12 mm cement plaster of mix : 1:6 (1 cement: 6 fine sand)	sqm	124.00		#NAME?	0.00
21	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes,of good quality of Supreme / Ashirbad make with SDR 11, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings along with union & control valves with handles at every distribution line & reduced pipe line. This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching upto 300mm, refilling the same & testing of joints complete as per direction of Engineer in Charge. Note: the required valves shall be fixed as per drawing & direction of E-I-C.				#NAME?	
a	50 mm nominal outer dia Pipes	mtr	2200.00		#NAME?	0.00
b	25 mm nominal outer dia Pipes	mtr	30.00		#NAME?	0.00
c	20 mm nominal outer dia Pipes	mtr	15.00		#NAME?	0.00
22	Providing & fixing or installing along with testing & commissioning Monobloc type pump, MBN 7.5 model with pipe size SUC x DEL (65 x 50 mm), 7.5HP, 5.5 KW, Head range 24-37.5 mtr with discharge range 780-320 LPM of operating in single/three phase etc complete as per direction of Engineer in charge.	each	2.00		#NAME?	0.00
23	Providing & fixing or installing along with testing & commissioning of good quality garden watering adjustable impact metal sprinkler with movable base for lawn and garden of dimension 22x 20 x 14cm with water coverage 40' diamtr 15 to 360 degree adjustable, special alloy designed, angle slot adjustment with multi size adopter for 12mm, 16mm, 20mm hose connection and recomended for pressurised water with movable tyre base etc complete with angle slot adjustment as per direction of Engineer in Charge.	each	5.00		#NAME?	0.00

24	Finishing walls with water proofing cement paint of required shade : New work (Two or more coats applied @ 3.84 kg/10 sqm)	sqm	99.38		#NAME?	0.00
25	Providing and fixing M.S. grills of required pattern in frames of windows / door etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to openings, welding with hinges to frame and making good etc complete as per direction of Engineer In Charge.	kg	91.00		#NAME?	0.00
Total cost						0.00