



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)

Name of Work: - **provision of water supply & drainage line in shops of shopping complex in NISER Campus, Jatni**

NIT No. & Date: - NISER/IWD-Civil/Services/2016/07

Dt-27.10.2016.

Estimated Cost of Tender: - ₹2, 86,714.00

Service Period: - 60 days

This tender document contains 18 (Eighteen) pages.

NAME OF THE WORK

Provision of Water Supply & Drainage Line in shops of Shopping Complex in NISER Campus, Jatni

NOTE

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

- 1)
 - a) Self attested copy of works completed during the last seven years from Govt./Semi Govt. organization not below the rank of E.E as per NIT.
 - b) Self attested copy of valid Registration Certificate.
 - c) Self attested copy of PAN card.
 - d) Self attested copy of VAT clearance certificate.
 - e) The cost of tender paper for the bidders who submit the downloaded tender document and EMD amount in separate D.D's as per NIT.
- 2) Contractors shall enclose the above documents (self-attested) along with bid. Any conditional/ changed or altered bids are liable for rejection. The bidders shall sign all the pages of technical bid i.e. NIT, Architectural Drawing (if any), as acceptance of the terms and conditions.
- 3) Incomplete/Partial bid or bid not submitted in prescribed format will be rejected. Bids not submitted/received within stipulated date/time as per NIT will not be accepted.



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TENDER DOCUMENTS

(NIT No. NISER/ IWD-Civil/Services/2016/07)

Name of work: "Provision of Water Supply & Drainage Line in shops of Shopping Complex in NISER Campus, Jatni."

I N D E X

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1.	Notice Inviting Tender	4	Technical Part
2.	Term and conditions issued by NISER	6-9	
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4.	Particulars of the Contractor	11	
5.	Schedule of Quantities	12-16	Financial Part
6.	Summary sheet	17	
7.	Abstract of cost	18	
8	C.P.W.D. and DAE specifications as updated & Drawings	Can be seen in the office of the Scientific Officer-D (Civil), NISER, Jatni.	

NOTE: Tenderer should confirm that they have received all the above papers. All the documents issued is to be returned duly signed by the tenderer while submitting his offer.

TENDER ISSUED TO:

M/s. _____

Telephone No. _____

SIGNATURE OF THE OFFICER ISSUING TENDER



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NOTICE INVITING TENDER

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

NIT No. NISER/ IWD-Civil/Services/2016/07, Dated: 27.10.2016

Name of the Work: - Provision of Water Supply & Drainage Line in shops of Shopping Complex in NISER Campus, Jatni.

Estimated Cost	:	Rs 2, 86, 714.00
Earnest Money	:	Rs.5, 735.00
Period of Service	:	60 Days
Cost of tender (non-refundable)	:	Rs. 500.00 (Rupees Five Hundred Only)

Tender document can also be downloaded from the institute's website <http://www.niser.ac.in> up to 3.00 PM on 08.11.2016.

Last date of receipt of tender: 8th November up to 3.30 PM

**Registrar
(NISER)**



Tender Notice

NIT No. NISER/ IWD-Civil/Services/2016/07

Dated: 27.10.2016

Director, NISER hereby invites sealed tender in Single Bid format for the following work of **“Provision of Water Supply & Drainage Line in shops of Shopping Complex in NISER Campus, Jatni”** from registered contractors of CPWD, MES, Railways and 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 VAT 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.2, 86, 714.00	Rs.5, 735.00	@ 5% of tendered amount	A sum @ 5% of the gross amount of the bill shall be deducted from each running bill till the sum along with the sum already deposited as EMD amounts to Security Deposit @ 5% of the tendered amount of the work.	60 days from the date of receipt of acceptance letter/ submission of PG

Quotations are to be submitted in sealed envelope super scribing the name of the work and address of contractor, and date of opening. **Bidders are required to submit the tender cost fee separately of Rs 500.00(Non-refundable) by means of Demand Draft in favor of Finance Officer, NISER payable at Bhubaneswar and the same should essentially be enclosed with the Bid.** The completed tender paper/Bid along with photocopy of valid Registration Certificate, Up-to-date VAT Clearance

Certificate, PAN Card, Work Completion Certificate and EMD in the shape of demand draft or pay order of a scheduled bank and drawn in favor of Finance Officer, NISER, payable at Bhubaneswar accompanied in bid will be accepted up to 03.30PM on 08.11.2016 and the bid will be opened at 04.00PM on the same day. Tender received without Earnest Money will be invalid & rejected.

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

To,

TERMS & CONDITIONS:-

NISER does not bind itself to accept the lowest or any tender and reserves the right of accepting the whole or any part of the tender and the tenderer shall be bound to perform the same at the rates quoted in the financial bid. Canvassing in connection with the Tender is strictly prohibited and the tenders submitted by the contractor who resort to canvassing, are liable for rejection. 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 Officer (both inclusive).

A person shall be deemed to be a relative of another if, and only 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 husband, Brother (including step brother), Brother's wife, Sister (including step sister), Sister's husband.

1. Quotations submitted shall remain valid for 90 days from the date of opening for the purpose of acceptance and award of work, validity beyond 90 days from the date of opening shall be by mutual consent.
2. The tenderer shall quote rates both in figures and words. He shall also work out the amount for each item of work and write in both figures and words. On check if there are differences between the rates quoted by the tenderer in words and in figures or in the total/grand total amount worked out by him, the following procedure shall be followed:
 - i) When there is a difference between the rates in figures and in words, the rates, which correspond to the amounts worked out by the tenderer, shall be taken as correct.
 - ii) When the amount of an item is not worked out by the tenderer or it does not correspond with the rate written either in figures or in words, the rate quoted by the tenderer in words shall be taken as correct.

- iii) When the rate quoted by the tenderer in figures and in words tallies but the amount is not worked out correctly, the rate quoted by the tenderer shall be taken as correct and not the amount.
3. 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.
 4. EMD is liable to be forfeited if the contractor fails to commence the work as per award letter.
 5. Except writing rates and amount, the tenderer should not write any conditions or make any changes, additions, alterations and modifications in the printed tender form. Tenderer who are desirous to offer rebate the same should be brought out separately in the covering letter and submit along with the bid.
 6. 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 along with the sum already deposited as earnest money, will 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.
 7. 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.
 8. There will be deduction of VAT/IT/WCT 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.

9. The successful bidder will be required to submit 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.
10. 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.
11. Water charges @1% will be deducted from the Contractor's bill.
12. 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.
13. At the time of starting the work the contractor has to submit 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.
14. The work should be executed during day time only for safety reason.
15. Tenderers shall inspect and examine the site and its surroundings nature and extent of ground, working condition of site and locality including stacking of materials, conditions affecting accommodations, movement of labour, etc., 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.

16. 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 the work.
17. The tenderer qualifying the bid are required to produce all the original documents for verification within two working days after opening of bid failing which their bid will not be considered.
18. The work will be executed as per CPWD, DAE procedure of work & specifications and direction of Engineer-In-charge.
19. All the materials shall be tested and inspected in the presence of Department of their representative. Test certificates of all components shall be made available for approval of the Department.
20. No materials/equipment shall be shipped to site unless it is inspected, tested and certified for acceptance by the Department or their representative at factory as per latest additions IS, BS and other applicable standards.

Registrar, NISER

Completed works done by the Contractor:

Give list of works minimum 3 completed satisfactorily in last five years which were near to tender amount for which tender is being given by the contractor.

Name of works	Location of site	Value of Work	Name or organization, Executive Engineer under whom is done.

N.B:- The work order copy and completion certificates from the firm may be attached.

SIGNATURE OF THE TENDERER

PARTICULARS OF THE CONTRACTOR

Contractors shall fill this form and enclose it with the original copy of tender.

Name of the Contractor _____

Firm of the Contractor _____

Telephone No. (Official) _____

Office Address _____

Residential Address : _____

Is the firm limited? : Yes/No.

Give name and address of partners :

_____ Name _____ Address _____

(a)

(b)

(c)

Partnership deed please enclose with tender

Name of Bankers M/s. _____

Power of Attorney Enclose attested copy/original Power of Attorney in case of firm

NAME AND ADDRESS OF PERSON HOLDING POWER OF ATTORNEY

Name _____

Address _____

Specimen signature of person holding Power of Attorney.

Registration particulars :

Registered with :

Registration No. :

Financial limit up to :
Which registered.

Trade for which registered :



Name of work: Provision of Water Supply & Drainage Line in shops of Shopping Complex in NISER Campus, Jatni

SCHEDULE OF QUANTITIES

Sl. No.	Description of Items	Unit	Quantity	Rate	Amount
1	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink of Nirali/Neelkanth make as per IS: 13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required or as per direction of EIC : Kitchen sink without drain board : 610x460 mm bowl depth 200 mm. Rate in Words:	Each	9.00		
2	Providing and fixing 3 layer PP-R (Poly propylene Random copolymer) pipes of supreme make SDR 7.4, U V stabilized & anti - microbial fusion welded, having thermal stability for hot & cold water supply, including all PP - R plain & brass threaded polypropylene random fittings & Valves, i/c fixing the pipe with clamps at 1.00 m spacing. This includes testing of joints complete as per direction of Engineer in Charge: Internal work - Exposed on wall.				
	PN - 16 Pipe, 40 mm OD. Rate in Words:	Metre	50.00		
3	Providing and fixing 3 layer PP-R (Poly propylene Random copolymer) pipes of supreme make SDR 7.4, PN-16, U V stabilized & anti - microbial fusion welded, having thermal stability for hot & cold water supply, including all PP - R plain & brass threaded polypropylene random fittings & Valves, i/c fixing the pipe with clamps at 1.00 m spacing. This includes the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc.,				
3A	20 mm OD. Rate in Words:	Metre	22.00		
3B	25 mm OD. Rate in Words:	Metre	40.00		
3C	32 mm OD. Rate in Words:	Metre	50.00		

4	Providing and placing on terrace (at all floor levels) polyethylene water storage tank of syntax make, ISI : 12701 marked, 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. Rate in Words:	Litre	5000.00		
5	Providing and fixing gun metal gate valve of sant/zoloto make with C.I. wheel of approved quality (screwed end): 50 mm nominal bore. Rate in Words:	Each	1.00		
6	Providing and fixing float ball valve (brass) of sant/CIM make, High or low pressure, with plastic floats complete: 25 mm nominal bore. Rate in Words:	Each	1.00		
7	Providing and fixing G.I. pipes of TATA/Jindal make complete with G.I. fittings and clamps, i/c cutting and making good the walls etc. This also includes cutting the old pipe, making thread and joining with new pipe complete as per direction of EIC: Internal work - Exposed on wall :				
7A	50 mm dia nominal bore. Rate in Words:	Metre	10.00		
7B	20 mm dia nominal bore. Rate in Words:	Metre	2.00		
8	Providing and fixing brass stop cock of Sant/CIM make: 20 mm nominal bore. Rate in Words:	Each	9.00		
9	Providing and fixing C.P. brass long body bib cock of Jaquar/parko make conforming to IS standards and weighing not less than 690 gms.15 mm nominal bore. Rate in Words:	Each	9.00		
10	Providing and fixing P.V.C. waste pipe of Supreme make for sink or wash basin including P.V.C. waste fittings complete. Flexible pipe: 40 mm dia. Rate in Words:	Each	9.00		
11	Providing and fixing CP Brass Waste Coupling of jaquar/parko make for wash basin and sink, of approved quality and colour. Waste coupling 40 mm dia of 83 mm length and 77mm breadth. Rate in Words:	Each	9.00		
12	Providing and fixing on wall face/floor HDPE water pipes of supreme make PE-80,PN-10, including jointing with seal ring conforming to IS : 5382 & fixing the pipe with clamps at 1.00 m spacing, at any floor level. Single socketed pipes - 110 mm diameter. Rate in Words:	Metre	50.00		

13	Providing and fixing on wall face/floor un-plasticised Rigid PVC water pipes of supreme make conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382 & fixing the pipe with clamps at 1.00 m spacing, at any floor level. Single socketed pipes -				
13A	75 mm diameter. Rate in Words:	Metre	51.00		
13B	110 mm diameter. Rate in Words:	Metre	10.00		
14	Providing and fixing on wall face un-plasticised - PVC moulded fittings/ accessories for un-plasticised Rigid PVC water pipes of supreme make conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382 at any floor level. This also includes cutting of old UPVC pipes and fixing of new fittings wherever required or as per the direction of EIC. Socketed fittings				
14A	Coupler-110 mm. Rate in Words:	Each	10.00		
14B	Single Tee with Door - 110*110*75 mm. Rate in Words:	Each	10.00		
14C	Bend 87.5 - 75 mm bend. Rate in Words:	Each	10.00		
14D	Door Bend 87.5 - 75 mm bend. Rate in Words:	Each	10.00		
14E	Bend 87.5 - 110 mm bend. Rate in Words:	Each	10.00		
14F	Vent Cowl. Rate in Words:	Each	2.00		
14G	Y-Piece-110*75. Rate in Words:	Each	5.00		
14H	End-Cap-75mm. Rate in Words:	Each	10.00		
14I	End-Cap-110mm. Rate in Words:	Each	2.00		
15	Painting G.I. pipes and fittings with synthetic enamel white paint with two coats over a ready mixed priming coat, both of approved quality for new work: 50 mm diameter pipe. Rate in Words:	Metre	12.00		
16	Cutting holes up to 30x30 cm in walls including making good the same and removing debris etc complete as per direction of EIC: With common burnt clay F.P.S. (non-modular) bricks. Rate in Words:	Each	25.00		

17	Cutting holes up to 15x15 cm in R.C.C. floors and roofs for passing drain pipe etc. and repairing the hole after insertion of drain pipe etc. with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), including finishing complete so as to make it leak proof and removing debris etc complete as per direction of EIC. Rate in Words:	Each	25.00		
18	Brick work with common burnt clay F.P.S. (non-modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in : Cement mortar 1:4 (1 cement : 4 coarse sand). Rate in Words:	CuM	3.00		
19	12 mm cement plaster of mix : 1:4 (1 cement: 4 coarse sand). Rate in Words:	SqM	13.00		
20	Finishing walls with water proofing cement paint of required shade : New work (Two or more coats applied @ 3.84 kg/10 sqm). Rate in Words:	SqM	13.00		
21	Supplying and filling in plinth with local river sand under floors, including watering, ramming, consolidating and dressing complete. Rate in Words:	CuM	4.69		
22	Making the opening in brick masonry including dismantling in floor or walls by cutting masonry and making good the damages to walls, flooring and jambs complete, to match existing surface i/c disposal of mulba/ rubbish to the nearest municipal dumping ground. For door/ window/ clerestory window. Rate in Words:	SqM	4.50		
23	Providing and fixing 1mm thick M.S. sheet door with frame of 40x40x6 mm angle iron and 3 mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer. Using flats 30x6mm for diagonal braces and central cross piece. Rate in Words:	SqM	4.50		
24	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/ 10 sqm over an under coat of primer applied @ 0.80 ltr/ 10 sqm of approved brand and manufacture. Rate in Words:	SqM	4.50		

25	Painting HDPE/UPVC Pipes and fittings with synthetic enamel paint with two coats over a ready mixed priming coat, both of approved quality & Colour for new work: 110mm Diameter Pipe. Rate in Words:	Metre	60.00		
26	Painting HDPE/UPVC Pipes and fittings with synthetic enamel paint with two coats over a ready mixed priming coat, both of approved quality and colour for new work: 75mm Diameter Pipe. Rate in Words:	Metre	51.00		
27	Cutting of Chequered Plate within duct of size 200mm x 200mm.. Rate in Words:	Each	5.00		

Total: Rs. _____

(Rupees _____ only)

(Total twenty seven items only)

No. of Corrections :

No. of Over writings:

**Signature of tenderer
With date & address.**



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Name of work: **Provision of Water Supply & Drainage Line in shops of Shopping Complex in NISER Campus, Jatni.**

SUMMARY SHEET

1. Brought forward from Page No.16 Schedule of quantities: Rs. _____
TOTAL Rs. _____

(Rupees _____)
_____) only.

C.O. to Page - 18: ABSTRACT OF COST Rs. _____

SIGNATURE OF THE TENDERER



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ABSTRACT OF COST

COST BROUGHT FORWARD FROM PAGE 17 TOTAL COST: Rs.

(Rupees _____
_____) only.

SIGNATURE OF THE TENDERER