



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: - **Fountain works at Courtyard of Auditorium Complex, NISER, Jatani.**

Notice Inviting E-Tender No. - NISER/ IWD-Civil/Academic/2018-19/14, Dated: 06.11.2018.

Estimated Cost of Tender: - Rs 15, 37, 064.00

Completion Time: - 20 days

Earnest Money : - Rs.30, 741.00

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](http://www.tenderwizard.com/NISER) under "**Tender Free View**" link.
2. Vendors should obtain the USER ID and PASSWORD from [www.tenderwizard.com/NISER](http://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](mailto:harishkumar.kb@etenderwizard.com), [ambasa@etenderwizard.com](mailto: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**

Notice Inviting E-Tender No. - NISER/ IWD-Civil/Academic/2018-19/14, Dated: 06.11.2018

**Name of work: "Fountain works at Courtyard of Auditorium Complex, NISER, Jatani."**

**I N D E X**

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

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

SIGNATURE OF THE OFFICER ISSUING TENDER

# NAME OF THE WORK

**Fountain works at Courtyard of Auditorium Complex, NISER, Jatani.**

## 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:-

Notice Inviting E-Tender No. - NISER/ IWD-Civil/Academic/2018-19/14, Dated: 06.11.2018

Name of the Work: - **Fountain works at Courtyard of Auditorium Complex, NISER, Jatani.**

Estimated Cost	:	Rs 15, 37, 064.00
Earnest Money	:	Rs.30, 741.00
Time of Completion	:	20 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](http://www.tenderwizard.com/NISER).  
Tender documents for viewing only are also available in NISER website address: [www.niser.ac.in](http://www.niser.ac.in)

Last date of submission of tender (online):	15 Nov., 2018 up to 12.30 PM.
Original EMD & Tender Paper cost submission at Office:	15 Nov., 2018 upto 3.45 PM.
Tender Opening date (Technical Bid):	15 Nov., 2018 at 04.00 PM.
Tender Opening Date (Financial Bid):	19 Nov., 2018 at 03.00 PM

**Registrar, NISER**



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**Tender Notice**

Notice Inviting E-Tender No. - NISER/ IWD-Civil/Academic/2018-19/14, Dated: 06.11.2018

Director, NISER hereby invites item rate tender in two parts for the following work of “**Fountain works at Courtyard of Auditorium Complex, NISER, Jatani**” 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.15,37,064.00	Rs.30,741.00	@ 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.	20 days from issue of work order.

Tender can be downloaded and bided from website address: [www.tenderwizard.com/NISER](http://www.tenderwizard.com/NISER). Tender documents for viewing only are also available in NISER website address: [www.niser.ac.in](http://www.niser.ac.in). The **tender cost of Rs. 500.00 & EMD of Rs. 30,741.00**, 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 **15 November, 2018 upto 3.45 PM and Technical bid will be opened at 04.00 PM on 15 November, 2018**. Those who qualify the technical bid, their financial bid will be opened on **19 November, 2018 at 3.00 PM**.

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 **“Fountain works at Courtyard of Auditorium Complex, NISER, Jatani”**. The estimated cost of work is **Rs. 15, 37, 064.00**. The Earnest Money Deposit is **Rs. 30,741.00**. 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 15 November, 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. 15, 37,064.00** (Rupees Fifteen Lakh Thirty Seven Thousand Sixty Four only).
3. Period for completion of the work will be **20 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](http://www.niser.ac.in).
5. Tenders can only be viewed from website [www.niser.ac.in](http://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](http://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 15 November, 2018. The Technical bid shall be opened at 04.00 PM on 15 November, 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. 30,741.00 (Rupees Thirty Thousand Seven Hundred Forty One 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. The price quoted are inclusive of all taxes and duties and no taxes or duties will be paid extra. The Payment will be processed after the satisfactory completion of the work.**
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. 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.
24. The work should be executed during day time only for safety reason.
25. 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.

26. 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.
27. The work will be executed as per CPWD, DAE procedure of work and direction of Engineer-In-charge.
28. 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.
29. 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**



**National Institute of Science Education and Research, JATNI  
Bill of Quantities**

**Fountain works at Courtyard of Auditorium Complex, NISER, Jatani**

Name of the Vendor					
Sl. No.	Description of Items	Unit	Quantity	Rate in Figures	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 disposal of excavated earth, lead up to 50 m and lift up to 1.5 m, disposed earth to be levelled and neatly dressed. All kinds of soil	Cum	41.00		-
2	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	Cum	17.00		-
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:2:4 (1 Cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 40 mm nominal size).	Cum	7.00		-
4	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:1½:3 (1 Cement: 1½ coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size).	Cum	1.00		-
5	Centering and shuttering including strutting, propping etc. and removal of form for all heights : Foundations, footings, bases of columns, etc. for mass concrete	Sqm	4.00		-
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	100.00		-
7	Brick work with clay flyash F.P.S. (non modular) brick of class designation 7.5 in superstructure above plinth level up to floor five level in : Cement mortar 1:4 (1 cement : 4 coarse sand)	Cum	4.00		-
8	Half brick masonry with non modular fly ash bricks of class designation 10, conforming to IS :12894, in superstructure above plinth and upto floor V level. Cement mortar 1 : 3 (1 cement : 3 coarse sand)	Sqm	22.00		-

9	Providing and applying 12 mm cement plaster of mix : 1:4 (1 cement: 4 fine sand) in line, level and plumb with river sand including rough marking to take in POP punning or any cladding, prewetting of walls, curing, Scaffolding etc complete.	Sqm	85.00		-
10	Providing & Applying polymer modified, flexible cementitious negative side waterproofing coating with elastic waterproofing polymers on interior wall plaster surface in three coats @14.35 kg /10 sqm. one coat of self priming of cementitious waterproofing polymer(dilution with water in the ratio of 1:1) and two coats of cementitious waterproofing polymer (dilution with water in the ratio of 3:1 ) after scrapping and properly cleaning the surface to remove pre-existing paint film & loose particles till plaster is visible, complete in all respect as per the direction of Engineer-in-Charge.	Sqm	82.00		-
11	Providing and fixing Glass mosaic tiles on finished plain wall surface of size 20 mm x 20 mm x 4 mm in all colour, design , fixing in approved design. The glass mosaic tiles shall be fixed on the wall surface with the help of approved adhesive applied at the rate of 2.5 kg per sqm and grouting of the same. All completed as per direction of Engineer-incharge.	Sqm	117.00		-
12	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish, adhesive etc. complete at all levels. Area of slab over 0.50 sqm	Sqm	30.00		-
13	Making groove 8X18mm in Granite for water cascade	Running Meter	96.00		-
14	Providing & fixing of White River (Stone) Pebbles size of 2" to 2.50" dia in natural colour at site of work including loading, unloading, carriage and all taxes paid etc.and as per direction of officer in charge.	Qntl	50.00		-

15	Supply, Installation, Testing & Commissioning of cascade cum foam type fountain as per details given below: 1) 9 nos. foam jet fountain nozzles (made of Brass / Stainless Steel), for a display height of 900 mm, 6 nos. equalizer nozzles for central waterbody cascade, mounted on 304 grade S.S. circular rings with all required plumbing in heavy duty G.I. pipes and fittings conforming to IS:1239, 2) 3 phase, 10 HP monoblock submersible pump (Crompton / Kirloskar make) having 12 meter head with 32 Lit/Sec. including water proof cabling of suitable size to be supplied and laid properly from pump to control panel including jointing etc. 3) IP68 rated LED lights 12V/5W (typical)(Includes converter to convert 230V ac to 12V ac) ring type RGB for foam fountain - 9 nos & spot light type 3000K - 9 nos with power supply in IP65 enclosure outside the waterbody, including all internal wiring upto control panel. 4) IP65 rated pre-wired IP 65 electrical panel along with suitable size volt meter, ammeter and 3 Ph 10 HP pump starter, single phase preventer, 2 pole 6A MCB 2 Nos, all types of controls for pump and lights.	Nos	1.00		-
16	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required. Group C	Point	9.00		-
17	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing RCC/ HUME/ METAL pipe as required. Upto 35 sq. mm	Meter	25.00		-
18	Supply of 4C 6 sqmm armoured copper cable	Meter	30.00		-
19	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required 4 X 10 sq. mm (25mm)	Nos	4.00		-
20	Stone Sculpture - 1200 dia konark wheel carved in sandstone	Nos	1.00		-
21	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: 25 to 50 mm nominal bore	Nos	1.00		-
22	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. The rate is included with two numbers of gate valve for operation of pipe line) 25 mm nominal outer dia pipes	Meter	30.00		-

	<b>Total</b>				-
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