



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: - **Interconnection of Bore-well in NISER campus, Jatni.**

NIT No. & Date: - NISER/ IWD-Civil/Services/2017/24,
dtd-09.10.2017.

Estimated Cost of Tender: - Rs 13, 40, 834.00

Completion Time: - 45 days

This tender document contains 18 (Eighteen) pages.



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TENDER DOCUMENTS

NIT No. NISER/ IWD-Civil/Services/2017/24

Date: 09.10.2017

Name of work: **“Interconnection of Bore-Well in NISER Campus, Jatni.”**

I N D E X

Sl. No.	Particulars	Page No.	Remarks
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8.	C.P.W.D. and DAE specifications as updated & Drawings	Can be seen in the office of the S.O.- 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 as a token of acceptance of the terms and conditions of NIT. **Please place the tender in two envelopes (First Part-Technical and Second Part-Financial) and both the tenders should be placed together in the third envelope, by superscribing the name of the work and NIT No. The tenderers, who fail to qualify the Technical Bid, will not be considered for evaluation of the Financial Bid.**

TENDER ISSUED TO:

M/s. _____

Telephone No. _____

SIGNATURE OF THE OFFICER ISSUING TENDER

NAME OF THE WORK

Interconnection of Bore-well 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) 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 GST Registration 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. (Please note that no physical copy of the tender document will be supplied in person, the same may please be downloaded from website).
- 2) Contractors shall enclose the above documents (self-attested) along with technical 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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NOTICE INVITING TENDER

Director, NISER invites sealed tender on two bid system (Technical Bid and Financial Bid) for the following work:-

NIT No. NISER/ IWD-Civil/Services/2017/24, Dated: 09.10.2017

Name of the Work: - Interconnection of Bore-well in NISER Campus, Jatni

Estimated Cost	:	Rs 13, 40, 834.00
Earnest Money	:	Rs.26, 817.00
Time of Completion	:	45 Days
Cost of tender (non-refundable)	:	Rs. 500.00 (Rupees Five Hundred Only)

Please note that no physical copy of the tender document will be supplied in person, the tender documents can be down loaded from the Institute's website <http://www.niser.ac.in>.

Last date of receipt of tender : 17th October 2017 up to 03.00 PM.

Tender Opening date (Technical Bid) : 17th October 2017 at 03.30 PM.

**Registrar
(NISER)**



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Tender Notice

NIT No. NISER/ IWD-Civil/Services/2017/24

Dated: 09.10.2017

Director, NISER hereby invites sealed item rate tender in two parts for the following work of **“Interconnection of Bore-Well in NISER Campus, Jatni”** from 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 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.13,40,834.00	Rs.26,817.00	@ 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.	45 days from the date of receipt of acceptance letter/ submission of PG

The tender document can be down loaded from the Institute’s website <http://www.niser.ac.in>. & submitted along with **tender cost of Rs. 500.00 & EMD of Rs. 26, 817/-**, separately in the form of A/C payee DD/ Banker’s cheque drawn on any scheduled Bank, in favor of Finance Officer, NISER. The tender documents are to be submitted in two parts in separate sealed cover. The documents in support of eligibility criteria of the contractor, Technical bid, tender cost and EMD are to be submitted in a sealed cover super scribing as Technical Bid (first part). The second part with scheduled items of work & price quoted are to be submitted in a separate sealed envelope super scribing as Financial Bid. Both the envelopes are to be put together in another envelope and the same should mention the name of work, address of contractor and date of opening. **Bids complete in all respects will be accepted up to 3.00 PM on 17th October 2017 and Technical bid will be opened at 03.30 PM on 17th October 2017.** 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. Sealed item rate tenders are hereby invited for the work of “**Interconnection of Bore-well in NISER Campus, Jatni**”. The estimated cost of work is **Rs. 13, 40, 834.00**. The Earnest Money Deposit is **Rs. 26, 817.00**. Contractors of CPWD, MES, Railways and 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 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 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. 13, 40, 834.00/-** (Rupees Thirteen lakh Forty Thousand Eight Hundred Thirty Four only).
3. Period for completion of the work will be **45 Days** and the date of commencement shall be reckoned from the seventh day of issue of award letter.
4. The tenderer qualifying the technical bid are required to produce all the original documents for verification within two working days after opening of technical bid failing which their financial bid will not be considered.
5. The tender documents can be made available at the office of the Scientific Officer-D (Civil).
6. Tenders should be submitted in the prescribed format (Non-transferable), which may be down loaded from NISER website: www.niser.ac.in. The cost of tender document shall be submitted along with the technical bid. Please note that tender documents are not transferable.
7. Tender documents are to be submitted in two parts in separate sealed covers. 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 & to be sealed in a separate envelope super scribing the name of work, address of contractor and date of opening. **Tenders complete in all respects, will be accepted up to 03.00 PM on 17th October 2017. The bid shall be opened at 03.30 PM on 17th October 2017.** Please note, that bids submitted without tender cost and EMD are summarily being rejected.

Tenders should be dropped in the Tender Box before the closing date and time indicated above or should be send by regd./speed post to Scientific Officer-D (Civil), NISER, At/Po- Jatni, Khurda, Pin- 752050, Odisha to ensure that the same reaches before the date and time indicated above. Late or delayed tenders are liable for rejection.

8. The Earnest Money amounting to **Rs. 26, 817.00 (Rupees Twenty Six Thousand Eight hundred Seventeen only)** as demand draft or pay order from any scheduled Bank and drawn in favor of the

Finance Officer, NISER should be deposited along with the tender documents in first part (Technical bid). **Tender received without earnest money will be invalid and rejected.**

9. 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.
10. Canvassing in connection with the tenders is prohibited and the tenders submitted by the contractor who resort to canvassing are liable for rejection.
11. 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.

12. 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.
13. The Tenderer shall quote the rates both in figures as well as words. The cost of individual items shall also be worked out and mentioned in the financial bid (both in figures and words). On check if there are differences between the rates quoted by the tenderer in words and in figures or in the 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 bidder for individual items, shall be reckoned.
 - ii) In case, the amount of an individual item is not mentioned by the bidder or it does not correspond with the rate written either in figures or in words, the rate quoted by the bidder in words shall be reckoned.
 - iii) In case the rate quoted by the bidder, both in figures and in words tallies but the amount is not worked out correctly, the total rate quoted by the bidder shall be taken as correct.
14. 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.
15. EMD is liable to be forfeited if the contractor fails to commence the work as per award letter.

16. 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 clearly mentioned.
17. 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.
18. 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.
19. 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.
20. Escalation cost will not be given for the work which the stipulated period of completion is 18(Eighteen) months or less.
21. 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.
22. 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.
23. Water charges @1% will be deducted from the Contractor's bill.
24. 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.

25. 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.
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. 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.
29. The work will be executed as per CPWD, DAE procedure of work and direction of Engineer-In-charge.
30. 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.
31. 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 THE WORK

**Interconnection of Bore-well in NISER Campus,
Jatni**

SECOND PART FINANCIAL BID

NOTE

Tenderers are requested to quote against individual items legibly and arrive at the total cost of work. All pages of second part i.e. the price bid should be duly signed by the tenderer failing which tender may be rejected.



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NIT No. NISER/ IWD-Civil/Services/2017/24

Dated: 09.10.2017

Name of work: **Interconnection of Bore-Well in NISER Campus, Jatni.**

SCHEDULE OF QUANTITIES

Sl. No.	Description of Items	Unit	Quantity	Rate (Rs)	Amount (Rs)
1	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead. Rate in Words:	Sqm	204.00		
2	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). Rate in Words:	Cu M	2.00		
3	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). Rate in Words:	Cu M	19.00		
4	15 mm cement plaster on rough side of single or half brick wall finished with a floating coat of neat cement of mix : 1:3 (1 cement: 3 fine sand). Rate in Words:	Sq M	507.00		
5	Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete. Rate in Words:	Kg	1127.00		
6	Supplying at site: Welded steel wire fabric of required width having rectangular mesh painted with a coat of primer. Mesh Size: 25*25. Rate in Words:	Kg	33.00		

7	<p>Providing and fixing 1mm thick M.S. sheet fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.</p> <p>Rate in Words:</p>	Kg	126.00		
8	<p>Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self-drilling /self-tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.</p> <p>Rate in Words:</p>	Sq M	96.00		
9	<p>Painting with synthetic enamel paint of approved brand and manufacture to give an even shade: Two or more coats on new work.</p> <p>Rate in Words:</p>	Sq M	76.00		
10	<p>Finishing walls with water proofing cement paint of required shade: New work (Two or more coats applied @ 3.84 kg/10 sqm).</p> <p>Rate in Words:</p>	Sq M	168.00		
11	<p>Washing of Bore-well in accordance with IS: 2800 (part I) and IS: 11189, to establish maximum rate of usable water yield without sand content (beyond permissible limit), with required capacity air compressor, running the compressor for required time till well is fully developed,, i/c taking out motor & pipe and reinstalling, all complete, including hire & labour charges of air compressor, tools & accessories etc., all as per requirement and direction of Engineer-in-charge.</p> <p>Rate in Words:</p>	Hour	8.00		

12	Providing and fixing G.I. pipes complete with G.I. fittings including laying below the ground /above ground, the following diameter galvanised iron pipe line of Heavy Duty, C-class of Tata/Jindal Make, consisting the following items of work :Supplying galvanized mild steel screwed and socketed pipe conforming to IS 1239 (Part-I) with galvanised mild steel or wrought steel fittings such as Tee, Bend, Socket etc. conforming to IS 1239 (Part - II), laying pipes and specials below the ground /above ground for water supply line in proper level and gradient, Making leak proof threaded joints using White zinc, Spun yarn etc. including cutting the pipe, threading the cost of jointing materials, etc. all complete as per the direction of EIC				
12A	25 mm dia. Rate in Words:	Metre	2.00		
12B	40mm dia. Rate in Words:	Metre	610.00		
12C	50mm dia. Rate in Words:	Metre	420.00		
12D	65mm dia. Rate in Words:	Metre	1000.00		
12E	80mm dia. Rate in Words:	Metre	5.00		
13	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :				
13A	25 mm nominal bore. Rate in Words:	Each	3.00		
13B	50 mm nominal bore. Rate in Words:	Each	3.00		
13C	65 mm nominal bore. Rate in Words:	Each	1.00		
14	Making connection of G.I. distribution branch with G.I. main of following sizes by providing and fixing fittings such as foot valve, flange etc. or as required, including cutting and threading the pipe etc. complete. Rate in Words:	Each	15.00		

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) :				
15A	40 mm nominal bore. Rate in Words:	Each	5.00		
15B	50 mm nominal bore. Rate in Words:	Each	5.00		
15C	65 mm nominal bore. Rate in Words:	Each	5.00		
16	Painting G.I. pipes and fittings with synthetic enamel paint with two coats over a ready mixed priming coat, both of approved quality for new work :				
16A	25 mm nominal bore. Rate in Words:	Metre	2.00		
16B	40 mm nominal bore. Rate in Words:	Metre	610.00		
16C	50 mm nominal bore. Rate in Words:	Metre	420.00		
16D	65 mm nominal bore. Rate in Words:	Metre	1000.00		
16E	80 mm nominal bore. Rate in Words:	Metre	5.00		
17	Providing and fixing enclosed type water meter (bulk type) conforming to IS : 2373 of kranti/kushal make complete with bolts, nuts, rubber insertions etc. (The tail pieces if required will be paid separately) :				
17A	50 mm nominal bore. Rate in Words:	Each	4.00		
17B	65 mm nominal bore. Rate in Words:	Each	2.00		
18	Clearing grass and removal of the rubbish up to a distance of 50 m outside the periphery of the area cleared. Rate in Words:	Sq M	2700.00		
				Total	

(Rupees _____ only)

(Total Thirty One items only)

No. of Corrections :

No. of Over writings:

**Signature of Tenderer
With Date & Address**



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NIT No. NISER/ IWD-Civil/Services/2017/24

Dated: 09.10.2017

Name of work: Interconnection of Bore-Well in NISER Campus, Jatni.

SUMMARY SHEET

1. Total Cost brought forward from Page No.13-Schedule of quantities: Rs.
2. Total Cost brought forward from Page No.14-Schedule of quantities: Rs.
3. Total Cost brought forward from Page No.15-Schedule of quantities: Rs.
4. Total Cost 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



राष्ट्रीय विज्ञान शिक्षा एवं अनुसंधान संस्थान, भुवनेश्वर
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NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, BHUBANESWAR
(AN AUTONOMOUS INSTITUTE UNDER DEPT. OF ATOMIC ENERGY, GOVT. OF INDIA)

NIT No. NISER/ IWD-Civil/Services/2017/24

Dated: 09.10.2017

Name of work: Interconnection of Bore-Well in NISER Campus, Jatni.

ABSTRACT OF COST

Total Cost Brought from Page No.17- Summary Sheet: Rs._____

(Rupees _____
_____) only.

SIGNATURE OF THE TENDERER