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## **2. Boring and Installation of Deep Tubewell at NIPER, S.A.S. Nagar)**

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<b>SECTION-I</b>	<b>PRESS NOTICE</b>	
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### NOTICE INVITING e-TENDERS

The National Institute of Pharmaceutical Education & Research (NIPER), Sector-67, S.A.S. Nagar-160062 invites item rate **online bids** on behalf of the Director NIPER, S.A.S. Nagar from agencies enlisted with CPWD, State PWD, MES and Railway dealing in similar type of work on two bid system (Eligibility Bid & Financial Bid) for the following work :-

1.	Name of work & Location	<b>Boring and Installation of Deep Tubewell at NIPER, S.A.S. Nagar</b>
2.	Estimated cost put to bid	<b>Rs. 37.62 lacs</b>
3.	Earnest Money	Rs75240/-
4.	Period of Completion	Four Months

#### Critical Date Section

1	Downloading of e-tender document	Start Date: 12.06.2020 at 09.00 AM End Date : 14.07.2020 at 01.00 P.M
2	Date of submission of e-tender	Start Date : 12.06.2020 at 10.00AM End Date : 14.07.2020 at 05.00 P.M
3	Physical submission of Tender fee and EMD ( offline)	Start Date : 12.06.2020 at 10.00AM End Date : 14.07.2020 at 05.00 P.M
4	Opening of Technical Bid (online)	15.07.2020 at 11.00 A.M

**Director, NIPER reserves the right to reject any or all tenders without assigning any reasons. Corrigendum/Addendum or Cancellation of this advertisement, if any, shall be published on NIPER Website and [www.tenderwizard.com/NIPER](http://www.tenderwizard.com/NIPER).**


**For participating in the above e-tender, the bidder shall have to get themselves registered with <http://tenderwizard.com/NIPER> and get user ID & password. Class 3 Digital Signature Certificate (DSC) is mandatory to participate in the e-tendering process. For any clarification/difficulty regarding e-tendering Process flow please contact on helpdesk numbers 09257209340, 08045628821, 0172-5035950.**

**Officiating Registrar**

SECTION-II	CHECK LIST	
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### CHECK LIST FOR CONTRACTORS FOR SUBMISSION OF TENDERS ONLINE:

1. THE CONTRACTOR MUST UPLOAD THE NECESSARY DOCUMENTS AS MENTIONED IN LIST OF DOCUMENTS TO BE SCANNED AND UPLOADED WITHIN THE PERIOD OF BID SUBMISSION AT PAGE 8 OF BID DOCUMENTS.
2. IF ANY DISCREPANCY IS NOTICED BETWEEN UPLOADED EMD AT THE TIME OF SUBMISSION OF BID AND ORIGINAL EMD SUBMITTED PHYSICALLY BY THE BIDDERS IN THE OFFICE OF BID OPENING AUTHORITY, THE BID SUBMITTED SHALL BECOME INVALID.
3. TENDER TO BE WITNESSED AT SPECIFIED PAGE OF TENDERED DOCUMENTS AT THE TIME OF DRAWING AGREEMENT WITH THE SUCCESSFUL BIDDER
4. THE TENDER / TENDERS CONTAINING CONDITIONS CONTRARY TO THOSE SPECIFIED IN THIS DOCUMENT SHALL BE SUMMARILY REJECTED.
5. THE INTENDING BIDDER SHALL QUOTE THE ITEM RATES IN FIGURE ONLY. THE ITEM RATES IN WORDS & AMOUNT IS GENERATED AUTOMATICALLY. THEREFORE, THE RATE QUOTED BY THE BIDDER IN FIGURES IS TO BE TAKEN AS CORRECT.
6. THE CONTRACTOR(S) SHALL QUOTE THE ITEM RATES KEEPING IN MIND, GENERAL CONDITIONS OF CONTRACT, ADDITIONAL CONDITION OF CONTRACT, AND SPECIAL CONDITIONS OF CONTRACT ETC.
7. THE BIDDER CAN UPLOAD HIS BID ONLY AFTER SUBMISSION OF E-TENDER PROCESSING FEE AS MENTIONED AT **PAGE 4** OF THE BID DOCUMENTS.
8. ONCE THE BID UPLOADED BY THE BIDDER IS WITHDRAWN, HE WILL NOT BE ALLOWED TO RESUBMIT HIS BID, HOWEVER, HE CAN EDIT HIS BID ANY NUMBER OF TIMES BUT BEFORE LAST DATE & TIME OF SUBMISSION OF BID.

<b><u>SECTION-III</u></b>	<b><u>Form- 6 FOR e TENDERING</u></b>	
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1. The item rates bids are invited on behalf of the Director NIPER, S.A.S. Nagar from the Specialized agencies dealing in similar type for the **work of "Boring and Installation of Deep Tubewell at NIPER, S.A.S. Nagar"**.
  - 1.1 The work is estimated to cost **Rs. 37.62 Lakh**. This estimate, however, is given merely as a rough guide.
  - 1.2 Contractors who fulfill the following requirements shall be eligible to apply. Joint ventures are not accepted
    - 1.2.1 Intending bidders is eligible to submit the bid provided he has definite proof from the appropriate authority, which shall be to the satisfaction of the competent authority, of having:-  
Average annual financial turnover during the last 3 years ending 31<sup>st</sup> March of previous financial year should be at least **Rs. 18.81 lakhs**.  
  
Should not have incurred loss in more than 2 years during the last 3 years ending 31<sup>st</sup> March of previous financial year.  
  
Satisfactorily completed three similar jobs each costing not less than **Rs 15.05 Lakh** OR two similar jobs each costing not less than **Rs. 22.57 Lakh** OR one similar jobs costing not less than **Rs. 30.10 Lakh** in last 7 years ending previous day of last date of submission of bids. (**Similar jobs shall mean "Boring and Installation of Deep Tubewell only**)  
  
The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum; calculated from the date of completion to last date of receipt of applications for bids.
      - 1.2.2 **To become eligible, the bidders shall have to furnish an affidavit as under:-**  
I/We undertake and confirm that eligible similar works(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I/we shall be debarred for bidding in NIPER, S.A.S. Nagar in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee. (**Scanned copy to be uploaded at the time of submission of bid**)
    - 1.2.3 The bidders should have Valid PAN No.
    - 1.2.4 The bidders should have Certificate of Registration for GST.
    - 1.2.5 It is presumed that all the bidders who have submitted the bid have gone through the entire bid documents including integrity pact and that all the terms & conditions are acceptable to them.
    - 1.2.6 If any agency/contractor has more than 2 (two) projects pending for more than 1 (one) year after schedule date of completion or has any 1 (one) project pending for more than 2 (two) years after schedule date of completion in NIPER, S.A.S. Nagar, he is not eligible for tendering.
  2. Agreement shall be drawn with the successful bidders on General Conditions of Contract which is available with the concerned office (Engineer Department) and **official website of the Institute <http://niper.gov.in>**. and the bidders shall quote his item rates as per various terms and conditions of the said form subject to the exclusions /

modifications attached at along with amendments uploaded on the official website of the Institute which will form part of the agreement.

3. The time allowed for carrying out the work will be **Four months** from the date of start as defined in Schedule-F or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the bid documents.
4. (i) The site for the work is available  
 (ii) The architectural and structural drawing shall be made available in phased manner as per requirement of the same as per programme of completion submitted by contractor of the award of work.
5. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents except General Conditions of Contract Form can be seen on website <http://tenderwizard.com/niper> and official website of the NIPER, S.A.S. Nagar at <http://niper.gov.in> or in Engg Office, NIPER, S.A.S. Nagar free of cost.
6. After submission of the bid the contractor can re-submit revised bid any number of times but before last time and date of submission of bid as notified.
7. While submitting the revised bid, contractor can revise the rate of one or more item(s) any number of times (he need not re-enter rate of all the items) but before last time and date of submission of bid as notified.
8. When bids are invited in three stage system and if it is desired to submit revised financial bid then it shall be mandatory to submit revised financial bid. If not submitted then the bid submitted earlier shall become invalid.
9. Earnest Money in the form of Demand Draft or Pay order or Banker's Cheque or Deposit at Call Receipt or Fixed Deposit Receipt (drawn in favour of Director, NIPER, S.A.S. Nagar) shall be scanned and uploaded to the e-Tendering website within the period of bid submission.

A part of earnest money is acceptable in the form of bank guarantee also. In such case, minimum 50% of earnest money or Rs. 20 lac, whichever is less, shall have to be deposited in shape prescribed above, and balance may be deposited in shape of Bank Guarantee of any scheduled bank having validity for Four months or more from the last date of receipt of bids which is to be scanned and uploaded by the intending bidders.

**The original EMD as scanned & uploaded shall be deposited physically by all the intending bidders in Tender Box held in Purchase Section, NIPER, S.A.S. Nagar upto 05.00 PM on 14.07.2020 failing which the bid shall be treated as invalid.**

Interested contractor who wish to participate in the bid has also to make following payments within the period of bid submission:

e-tender processing fee - Rs. \_\_\_\_\_/- plus GST as applicable shall be payable to **M/s ITI Limited** through their e-gateway by credit /debit card, internet banking or RGTS/NEFT facility .

Copy of certificate of work experience and other documents as specified in the press notice shall be scanned and uploaded to the e-Tendering website within the period of bid submission. However, certified copy of all the scanned and uploaded documents as specified in press notice shall have to be submitted by the lowest bidder within a week physically in the office of tender opening authority.

Online bid documents submitted by intending bidders shall be opened only of those bidders, who has deposited e-Tender Processing **Fee with M/s ITI Limited** and Earnest Money Deposit and other documents scanned and uploaded are found in order.

The bid submitted shall be opened on \_\_\_\_\_ at \_\_\_\_\_ AM/PM

10. The bid submitted shall become invalid and e-Tender processing fee shall not be refunded if:
- (i) The bidder is found ineligible.
  - (ii) The bidder does not upload all the documents (PAN No. & GST registration etc.) as stipulated in the bid document.
  - (iii) If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted physically by the lowest bidder in the office of bid opening authority.
  - (iv) The intending bidder does not deposit original EMD physically as scanned & uploaded upto \_\_\_\_\_ AM on \_\_\_\_\_.
  - (v) If a tenderer does not quote of any item, the tender shall be treated as invalid and will not be considered as lowest tenderer.
  - (vi) If a tendered amount works out to "Zero" as per item rates quoted by the bidder, the tender shall be treated as invalid and will not be considered as lowest tenderer.

11. The contractor whose bid is accepted, will be required to furnish performance guarantee of 5% (Five Percent) of the tendered amount within the period specified in Schedule F. This guarantee shall be in the form of Deposit at Call receipt of any scheduled bank/Banker's cheque of any scheduled bank/Demand Draft of any scheduled bank/Pay order of any scheduled bank (in case guarantee amount is less than Rs. 1,00,000/-) or Government Securities or Fixed Deposit Receipts or Guarantee Bonds of any Scheduled Bank or the State Bank of India in accordance with the prescribed form. In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule 'F' including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor. The Earnest Money deposited along with bid shall be returned after receiving the aforesaid performance guarantee.

The contractor whose bid is accepted will also be required to furnish either copy of applicable licenses/registrations or proof of applying for obtaining labour licenses, registration with EPFO, ESIC and BOCW Welfare Board including Provident Fund Code No. if applicable and also ensure the compliance of aforesaid provisions by the contractor, if any engaged by the sub contractor for the said work and Programme Chart (Time and Progress) within the Period specified in Schedule F.

***Performance guarantee shall be released to the contractor only after the release of any liability to workers/manpower engaged under this contract and satisfactory handing over the site to the department***

12. The description of the work is as follows:

**“Boring and Installation of Deep Tubewell at NIPER, S.A.S. Nagar”.**

Intending Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their bids as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their bid. A bidder shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. The bidder shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a bid by a bidder implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work.

13. Director, NIPER, S.A.S. Nagar does not bind itself to accept the lowest or any other bid and reserves to itself the authority to reject any or all the bids received without the assignment of any reason. All bids in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the bidder shall be summarily rejected.

14. Canvassing whether directly or indirectly, in connection with bidders is strictly prohibited and the bids submitted by the contractors who resort to canvassing will be liable for rejection.
15. Director, NIPER, S.A.S. Nagar reserves to himself the right of accepting the whole or any part of the bid and the bidders shall be bound to perform the same at the rate quoted.
16. The contractor shall not be permitted to bid for works in the Institute's Engineering Department (responsible for award and execution of contracts) in which his near relative is posted as Divisional Accountant or as an officer in any capacity between the grades of Assistant Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any gazetted officer in the Institute. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of NIPER
17. No Engineer or other officers employed in Engineering or Administrative duties in Institute is allowed to work as a contractor for a period of one year after his retirement from Institute's service without the previous permission of the competent authority in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found at any time to be such a person who had not obtained the permission of the competent authority as aforesaid before submission of the tender or engagement in the contractor's service.
18. The bid for the works shall remain open for acceptance for a period of Ninety (90) days from the date of opening of bids. If any bidders withdraws his tender before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the bid which are not acceptable to the department, then the Institute shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid. Further the bidders shall not be allowed to participate in the rebidding process of the work.


**19. SIGNING OF CONTRACT**

The successful tenderer/ contractor, on acceptance of his tender by the Accepting authority shall, within 15 days from the stipulated date of start of the work sign the contract consisting of:

- i) The notice inviting tender, all the documents including drawings if any forming the tender as issued at the time of invitation of tender and accepting thereof together with any correspondence leading thereto.
- ii) Standard form consisting as mentioned in schedule F consisting of:
  - a) Various standard clauses with corrections up to date stipulated in schedule F along with annexure thereto.
  - b) Safety codes
  - c) Model rules for the protection of health, sanitary arrangements for the workers employed by the contractor.
  - d) Contractor's labour regulations.  
List of acts and omissions for which fines can be imposed.

**20. For Composite Bids (Not Applicable)**

21. All the payments to the contractor shall be deposited in their bank account through RTGS and the contractor shall submit the detail of his bank account & IFSC code after award of work.
22. In case, date for opening of Eligibility / Financial bid is declared/happens to be public holiday, the Eligibility / Financial bid will be opened on the next working day.

<b><u>SECTION-IV</u></b>	<b>INFORMATION AND INSTRUCTIONS FOR BIDDERS</b>	
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### **INFORMATION AND INSTRUCTIONS FOR BIDDERS FOR E-TENDERING FORMING PART OF BID DOCUMENT**

On behalf of the Director, NIPER, S.A.S. Nagar invites **online bids** from the Specialized agencies dealing in similar type of jobs on two bid system for the following work:-

5.	NIT No.	<u>T3/2019</u>
6.	Name of work & Location	<b>“Boring and Installation of Deep Tubewell at NIPER, S.A.S. Nagar “</b>
7.	Estimated cost put to bid	<b>Rs. 37.62 lacs</b>
8.	Earnest Money	Rs. 75240/-
9.	Period of Completion	Four Months
10.	Last date & time of submission of bid, EMD, e-tender processing fee and other documents as specified in the press notice	14.07.2020 to 5:00 PM
11.	Last date & time for submission of Original EMD:	14.07.2020 to 5:00 PM
12.	Date &Time of opening of Eligibility bid	15.07.2020 to 1100 AM
13.	Date &Time of opening of financial bid	To be later

- Contractors who fulfill the following requirements shall be eligible to apply. Joint ventures are not accepted
  - Should have satisfactorily completed the jobs as mentioned below during the last Seven years ending previous day of last date of submission of bids.

Three similar jobs each costing not less than **Rs. 15.05 Lakh** OR two similar jobs each costing not less than **Rs. 22.57 Lakh** OR one similar jobs costing not less than **Rs. 30.10 Lakh** in last 7 years ending previous day of last date of submission of bids. (**Similar jobs shall mean “Boring and Installation of Deep Tubewell at NIPER, S.A.S. Nagar only”**)

The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum; calculated from the date of completion to last date of receipt of applications for bids.

- The intending bidder must read the terms and conditions of Form-6 carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.
- Information and Instructions for bidders posted on website shall form of bid document.
- The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents



can be seen and downloaded from the website: <http://tenderwizard.com/niper> and official website of the NIPER, S.A.S. Nagar at <http://niper.gov.in> free of cost.

5. But the bid can only be submitted after depositing **Processing Fee in favour of ITI Limited** and uploading the mandatory scanned documents such as Demand Draft or Pay order or Banker`s Cheque or Deposit at call Receipt or Fixed Deposit Receipts and Bank Guarantee of any Scheduled Bank towards EMD in favour of Director, NIPER, S.A.S. Nagar and other documents as specified.
6. Those contractors not registered on the website mentioned above, are required to get registered beforehand. If needed they can be imparted training on online bidding process as per details available on the website.
7. The intending bidder must have valid class-III digital signature to submit the bid.
8. On opening date, the contractor can login and see the bid opening process. After opening of bids he will receive the competitor bid sheets.
9. Contractor can upload documents in the form of **JPG** format and **PDF** format.
10. Contractor must ensure to quote item rates in the **Schedule of Quantity**.
11. The Eligibility bid shall be opened first on due date and time as mentioned above. The financial bid of contractors qualifying the eligibility bid shall be opened at a later date as mentioned in the Press Notice Inviting Tender.
12. The agency shall submit the status of his firm w.r.t. proprietary firm / partnership firm or Limited company as per detail given below:-

If the bidder is a proprietary firm, a self undertaking of the proprietorship shall be uploaded by the bidder.


If the bidder is a firm in partnership, the bid documents shall be signed by all the partners of the firm above their full typewritten names and current addresses, or, alternatively, by a partner holding power of attorney for the firm. In the later case a certified copy of the power of attorney should be uploaded. In both cases a certified copy of the partnership deed and current address of all the partners of the firm should also be uploaded.

If the bidder is a limited company or a corporation, the bid documents shall be signed by a duly authorized person holding power of attorney for signing the bid documents accompanied by a copy of the power of attorney / Authorization Letter. The bidder should also furnish a copy of the Memorandum of Articles of Association duly attested by a Public Notary.

### **13. LIST OF DOCUMENTS TO BE SCANNED AND UPLOADED WITHIN THE PERIOD OF BID SUBMISSION:**

- a. Scanned copy of DD of EMD.
- b. Scanned copy of Enlistment.
- c. Scanned copy of PAN Card.
- d. Scanned copy of financial certificate from CA for the last three financial years .
- e. Scanned copy of work experience.
- f. Scanned copy of partnership deed.
- g. Scanned copy of Power of Attorney.
- h. Scanned copy of Tender Acceptance Letter.

**Form- 7/8**

<b>SECTION-V</b>	<b>TENDER AND CONTRACT</b>	
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**Tender & Contract For Work**

Tender for the work of “**Boring and Installation of Deep Tubewell at NIPER, S.A.S. Nagar**”.

- (i) To be submitted online - 14.7.2020 upto 05.00 PM
- (ii) Original EMD to be submitted Physically:\_14.07.20 upto 05.00 PM
- (iii) Eligibility Bid To be opened online – 15.07.2020 at 11.00 AM
- (iv) Financial Bid To be opened online - To be later

**TENDER**

I/we have read and examined the notice inviting tender, schedule A,B,C,D,E & F specifications applicable, Drawings and Designs, General Rules and Directions, conditions of Contract, clauses of contract, special conditions, additional terms & conditions & specifications, schedule of rate and other documents and rules referred to in the conditions of contract and all other contents in the tender documents for the work .

I/we hereby tender for the execution of the work specified for the Institute within the time specified in schedule ‘F’ viz. schedule of quantities and in accordance in all respects with the specifications, designs, drawings and instructions in writing referred to in Rule-1 of general rules and Directions and in Clause 11 of the conditions of contract and with such materials as are provided for, by, and in respects in accordance with, such conditions so far as applicable.

I/we agree to keep the tender open for 90 days from the due date of opening of financial bid and not to make any modifications in its terms and conditions.

A sum of **Rs. 75240/-** is hereby forwarded in the shape of deposit at call receipt of a scheduled bank/ demand draft of a scheduled bank/ Fixed deposit receipt of scheduled bank in favour of the Director, NIPER, payable at Chandigarh/S.A.S. Nagar as earnest money. If I/We, fail to furnish the prescribed performance guarantee within prescribed period. I/We agree that the said the Director, NIPER or his successors, in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I/We fail to commence work as specified, I/We agree that Director NIPER or the successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said earnest money and the performance guarantee absolutely. The said performance guarantee shall be a guarantee to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to therein and to carry out such deviation as may be ordered mentioned in Schedule-F and those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 12.2 and 12.3 of the tender form. Further, I/We agree that in case of forfeiture of Earnest Money & Performance Guarantee as aforesaid, I/We shall be debarred for participation in the re-tendering process of the work.

I/We undertake and confirm that eligible similar work(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of institute, then I/We shall be debarred for tendering in NIPER, S.A.S. Nagar in future forever. Also, if such a violation comes to the notice of institute before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee.

I/We hereby declare that I/We shall treat the tender documents drawings and other records connected with the work as secret/confidential documents and shall not communicate information/derived there from to any person other than a person to whom I/We am/are authorized to communicate the same or use the information in any manner prejudicial to the safety of the Institute.

Dated:-

Signature of Contractor

Postal Address:

Witness:

Address:

Telephone No.:

Fax No.:

Occupation:

E-Mail.:

### **ACCEPTANCE**


The above tender (as modified by you as provided in the letters mentioned hereunder) is accepted by me for and on behalf of the Institute for a sum of Rs. \_\_\_\_\_

The letters referred to below shall form part of this contract agreement:

- i) \_\_\_\_\_
- ii) \_\_\_\_\_
- iii) \_\_\_\_\_

Dated \_\_\_\_\_

For & on behalf of the Director,  
NIPER, S.A.S. Nagar.

SECTION-VI	INTEGRITY PACT	
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To,

.....,

.....,

.....

Sub: NIT No. \_\_\_\_\_ for the work "**Boring and Installation of Deep Tubewell at NIPER, S.A.S. Nagar**".

Dear Sir,

It is here by declared that NIPER, S.A.S. Nagar is committed to follow the principle of transparency, equity and competitiveness in public procurement.

The subject Notice Inviting Tender (NIT) is an invitation to offer made on the condition that the Bidder will sign the integrity Agreement, which is an integral part of tender/bid documents, failing which the tenderer/bidder will stand disqualified from the tendering process and the bid of the bidder would be summarily rejected.

This declaration shall form part and parcel of the Integrity Agreement and signing of the same shall be deemed as acceptance and signing of the Integrity Agreement on behalf of the Institute.

Yours faithfully

Dated \_\_\_\_\_

For & on behalf of the Director,  
NIPER, S.A.S. Nagar.

To,

NIPER, S.A.S. Nagar,  
.....,  
.....

Sub: Submission of Tender for the work of "**Boring and Installation of Deep Tubewell at NIPER, S.A.S. Nagar**".

Dear Sir,

I/We acknowledge that NIPER, S.A.S. Nagar is committed to follow the principles thereof as enumerated in the Integrity Agreement enclosed with the tender/bid document.

I/We agree that the Notice Inviting Tender (NIT) is an invitation to offer made on the condition that I/We will sign the enclosed integrity Agreement, which is an integral part of tender documents, failing which I/We will stand disqualified from the tendering process.

I/We acknowledge that THE MAKING OF THE BID SHALL BE REGARDED AS AN UNCONDITIONAL AND ABSOLUTE ACCEPTANCE of this condition of the NIT. I/We confirm acceptance and compliance with the Integrity Agreement in letter and spirit and further agree that execution of the said Integrity Agreement shall be separate and distinct from the main contract, which will come into existence when tender/bid is finally accepted by NIPER, S.A.S. Nagar. I/We acknowledge and accept the duration of the Integrity Agreement, which shall be in the line with Article 1 of the enclosed Integrity Agreement.

**I/We acknowledge that in the event of my/our failure to sign and accept the Integrity Agreement, while submitting the tender/bid, NIPER, S.A.S. Nagar shall have unqualified, absolute and unfettered right to disqualify the tenderer/bidder and reject the tender/bid in accordance with terms and conditions of the tender/bid.**

Yours faithfully

(Duly authorized signatory of the Bidder)

**To be signed by the bidder and same signatory competent / authorized to sign the relevant contract on behalf of Institute.**

**INTEGRITY AGREEMENT**

This Integrity Agreement is made at ..... on this ..... day of .....20..... **BETWEEN** Director, NIPER, S.A.S. Nagar (Hereinafter referred as the (Address of Division) ‘**Principal/Owner**’, which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns)

**AND**

..... (Name and Address of the Individual/firm/Company) through ..... (Hereinafter referred to as the (Details of duly authorized signatory) ‘**Bidder/Contractor**’ and which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns) **Preamble** WHEREAS the Principal / Owner has floated the Tender (NIT No.....) (hereinafter referred to as ‘**Tender/Bid**’) and intends to award, under laid down organizational procedure, contract for ..... (Name of work) hereinafter referred to as the ‘**Contract**’.

AND WHEREAS the Principal/Owner values full compliance with all relevant laws of the land, rules, regulations, economic use of resources and of fairness/transparency in its relation with its Bidder(s) and Contractor(s).

AND WHEREAS to meet the purpose aforesaid both the parties have agreed to enter into this Integrity Agreement (hereinafter referred to as ‘**Integrity Pact**’ or ‘**Pact**’), the terms and conditions of which shall also be read as integral part and parcel of the Tender/Bid documents and Contract between the parties.

NOW, THEREFORE, in consideration of mutual covenants contained in this Pact, the parties hereby agree as follows and this Pact witnesses as under:

**Article 1: Commitment of the Principal/Owner**

1) The Principal/Owner commits itself to take all measures necessary to prevent corruption and to observe the following principles:

(a) No employee of the Principal/Owner, personally or through any of his/her family members, will in connection with the Tender, or the execution of the Contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.

(b) The Principal/Owner will, during the Tender process, treat all Bidder(s) with equity and reason. The Principal/Owner will, in particular, before and during the Tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential / additional information through which the Bidder(s) could obtain an advantage in relation to the Tender process or the Contract execution.

(c) The Principal/Owner shall endeavour to exclude from the Tender process any person, whose conduct in the past has been of biased nature.

2) If the Principal/Owner obtains information on the conduct of any of its employees which is a criminal offence under the Indian Penal code (IPC)/Prevention of Corruption Act, 1988 (PC Act) or is in violation of the principles herein mentioned or if there be a substantive suspicion in this regard, the Principal/Owner will inform the Chief Vigilance Officer and in addition can also initiate disciplinary actions as per its internal laid down policies and procedures.

**Article 2: Commitment of the Bidder(s)/Contractor(s)**

1) It is required that each Bidder/Contractor (including their respective officers, employees and agents) adhere to the highest ethical standards, and report to the Institute all suspected acts of fraud or corruption or Coercion or Collusion

of which it has knowledge or becomes aware, during the tendering process and throughout the negotiation or award of a contract.

2) The Bidder(s)/Contractor(s) commits himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the Tender process and during the Contract execution:

a) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm, offer, promise or give to any of the Principal/Owner's employees involved in the Tender process or execution of the Contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the Tender process or during the execution of the Contract.

b) The Bidder(s)/Contractor(s) will not enter with other Bidder(s) into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to cartelize in the bidding process.

c) The Bidder(s)/Contractor(s) will not commit any offence under the relevant IPC/PC Act. Further the Bidder(s)/Contractor(s) will not use improperly, (for the purpose of competition or personal gain), or pass on to others, any information or documents provided by the Principal/Owner as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.

d) The Bidder(s)/Contractor(s) of foreign origin shall disclose the names and addresses of agents/representatives in India, if any. Similarly Bidder(s)/Contractor(s) of Indian Nationality shall disclose names and addresses of foreign agents/representatives, if any. Either the Indian agent on behalf of the foreign principal or the foreign principal directly could bid in a tender but not both. Further, in cases where an agent participate in a tender on behalf of one manufacturer, he shall not be allowed to quote on behalf of another manufacturer along with the first manufacturer in a subsequent/parallel tender for the same item.

d) The Bidder(s)/Contractor(s) will, when presenting his bid, disclose (with each tender as per proforma enclosed) any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the Contract.

3) The Bidder(s)/Contractor(s) will not instigate third persons to omit offences outlined above or be an accessory to such offences.

4) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm indulge in fraudulent practice means a willful misrepresentation or omission of facts or submission of fake/forged documents in order to induce public official to act in reliance thereof, with the purpose of obtaining unjust advantage by or causing damage to justified interest of others and/or to influence the procurement process to the detriment of the Institute interests.

5) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm use Coercive Practices (means the act of obtaining something, compelling an action or influencing a decision through intimidation, threat or the use of force directly or indirectly, where potential or actual injury may befall upon a person, his/ her reputation or property to influence their participation in the tendering process).

### **Article 3: Consequences of Breach**

Without prejudice to any rights that may be available to the Principal/Owner under law or the Contract or its established policies and laid down procedures, the Principal/Owner shall have the following rights in case of breach of this Integrity Pact by the Bidder(s)/Contractor(s) and the Bidder/ Contractor accepts and undertakes to respect and uphold the Principal/Owner's absolute right:

1) If the Bidder(s)/Contractor(s), either before award or during execution of Contract has committed a transgression through a violation of Article 2 above or in any other form, such as to put his reliability or credibility in question, the Principal/Owner after giving 14 days notice to the contractor shall have powers to disqualify the Bidder(s)/Contractor(s) from the Tender process or terminate/determine the Contract, if already executed or exclude the Bidder/Contractor from future contract award processes.

The imposition and duration of the exclusion will be determined by the severity of transgression and determined by the Principal/Owner. Such exclusion may be forever or for a limited period as decided by the Principal/Owner.

2) Forfeiture of EMD/Performance Guarantee/Security Deposit: If the Principal/Owner has disqualified the Bidder(s) from the Tender process prior to the award of the Contract or terminated/determined the Contract or has accrued the right to terminate/determine the Contract according to Article 3(1), the Principal/Owner apart from exercising any legal rights that may have accrued to the Principal/Owner, may in its considered opinion forfeit the entire amount of Earnest Money Deposit, Performance Guarantee and Security Deposit of the Bidder/Contractor.

3) Criminal Liability: If the Principal/Owner obtains knowledge of conduct of a Bidder or Contractor, or of an employee or a representative or an associate of a Bidder or Contractor which constitutes corruption within the meaning of Indian Penal code (IPC)/Prevention of Corruption Act, or if the Principal/Owner has substantive suspicion in this regard, the Principal/Owner will inform the same to law enforcing agencies for further investigation.

#### **Article 4: Previous Transgression**

1) The Bidder declares that no previous transgressions occurred in the last 5 years with any other Company in any country confirming to the anticorruption approach or with Central Government or State Government or any other Central/State Public Sector Enterprises in India that could justify his exclusion from the Tender process.

2) If the Bidder makes incorrect statement on this subject, he can be disqualified from the Tender process or action can be taken for banning of business dealings/ holiday listing of the Bidder/Contractor as deemed fit by the Principal/Owner.

3) If the Bidder/Contractor can prove that he has resorted / recouped the damage caused by him and has installed a suitable corruption prevention system, the Principal/Owner may, at its own discretion, revoke the exclusion prematurely.

#### **Article 5: Equal Treatment of all Bidders/Contractors/ Subcontractors**

1) The Bidder(s)/Contractor(s) undertake(s) to demand from all subcontractors a commitment in conformity with this Integrity Pact. The Bidder/Contractor shall be responsible for any violation(s) of the principles laid down in this agreement/Pact by any of its Subcontractors/ sub-vendors.

2) The Principal/Owner will enter into Pacts on identical terms as this one with all Bidders and Contractors.

3) The Principal/Owner will disqualify Bidders, who do not submit, the duly signed Pact between the Principal/Owner and the bidder, along with the Tender or violate its provisions at any stage of the Tender process, from the Tender process.

#### **Article 6- Duration of the Pact**

This Pact begins when both the parties have legally signed it. It expires **for** the Contractor/Vendor 12 months after the completion of work under the contract or till the continuation of defect liability period, whichever is more and for all other bidders, till the Contract has been awarded. If any claim is made/lodged during the time, the same shall be binding and continue to be valid despite the lapse of this Pacts as specified above, unless it is discharged/determined by the Competent Authority of NIPER, S.A.S. Nagar.



**Article 7- Other Provisions**

- 1) This Pact is subject to Indian Law, place of performance and jurisdiction is the S.A.S. Nagar/ Chandigarh.
- 2) Changes and supplements need to be made in writing. Side agreements have not been made.
- 3) If the Contractor is a partnership or a consortium, this Pact must be signed by all the partners or by one or more partner holding power of attorney signed by all partners and consortium members. In case of a Company, the Pact must be signed by a representative duly authorized by board resolution.
- 4) Should one or several provisions of this Pact turn out to be invalid; the remainder of this Pact remains valid. In this case, the parties will strive to come to an agreement to their original intensions.
- 5) It is agreed term and condition that any dispute or difference arising between the parties with regard to the terms of this Integrity Agreement / Pact, any action taken by the Owner/Principal in accordance with this Integrity Agreement/ Pact or interpretation thereof shall not be subject to arbitration.

**Article 8- LEGAL AND PRIOR RIGHTS**

All rights and remedies of the parties hereto shall be in addition to all the other legal rights and remedies belonging to such parties under the Contract and/or law and the same shall be deemed to be cumulative and not alternative to such legal rights and remedies aforesaid. For the sake of brevity, both the Parties agree that this Integrity Pact will have precedence over the Tender/Contact documents with regard any of the provisions covered under this Integrity Pact.

IN WITNESS WHEREOF the parties have signed and executed this Integrity Pact at the place and date first above mentioned in the presence of following witnesses:

.....  
(For and on behalf of Principal/Owner)

.....  
(For and on behalf of Bidder/Contractor)


**WITNESSES:**

1. ....  
(signature, name and address)

2. ....  
(signature, name and address)

Place:

Dated :

<b>SECTION-VII</b>	<b>PROFORMA OF SCHEDULE A TO F</b>	
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(Separate Performa for Civil, Elect. & Hort. Works in case of Composite Tenders)  
(Operative Schedules to be supplied separately to each intending tenderer)

**SCHEDULE 'A'**

Schedule of quantities attached.

**SCHEDULE 'B' : NOT APPLICABLE**

Schedule of materials to be issued to the contractor.

S.No.	Description of item	Quantity	Rates in figures & words at which the material will be charged to the contractor	Place of Issue
1	2	3	4	5

**SCHEDULE 'C' : NOT APPLICABLE**

Tools and plants to be hired to the contractor

Sl. No.	Description	Hire charges per day	Place of Issue
1	2	3	4

**SCHEDULE 'D'**

Extra schedule for specific requirements/document for the work, if any. **As mentioned in tender documents.**

**SCHEDULE 'E'**

Reference to General Conditions of contract.

Name of work : **Boring and Installation of Deep Tubewell at NIPER, S.A.S. Nagar.**

Estimated cost of work : Rs. 37.62 lakhs

(i) Earnest money : Rs. 75240/-

(ii) Performance Guarantee : 5% of tendered value

(iii) Security Deposit : 2.5 % of tendered value.

**SCHEDULE 'F'**

GENERAL RULES & DIRECTIONS : : Officer inviting tender

Maximum quantity of items of work to be executed beyond which rates are to be determined in accordance with Clauses 12.2 & 12.3. See below  
Definitions :

2(v)	Engineer-in-Charge	:	Executive Engineer, NIPER, Mohali
2(viii)	Accepting Authority	:	Director ,NIPER
2(x)	Percentage on cost of materials and labour to cover all overheads and profits.	:	15%
2(xi)	Standard Schedule of Rates	:	DSR 2018.
2(xii)	Department	:	NIPER Mohali..
9(ii)	Standard contract Form	:	General condition of contract

### Clauses of Contract

#### Clause 1

(i)	Time allowed for submission of Performance Guarantee from the date of issue of letter of acceptance	:	15 days
(ii)	Maximum allowable extension with late fee @ 0.1% per day of Performance Guarantee amount beyond the period provided in (i) above	:	As decided by the Director, NIPER.

#### Clause 2

Authority for fixing compensation under clause 2.	:	Director NIPER
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#### Clause 2A

Whether Clause 2A shall be applicable	:	Not applicable
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#### Clause 5

Number of days from the date of issue of letter of acceptance for reckoning date of start	:	15 days
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Mile stone(s) as per table given below:-

S. No.	Description of Milestone (Physical)	Time Allowed in days (from date of start)	Amount to be with-held in case of non achievement of milestone
1.			
2.			
3.			
4.			

Time allowed for execution of work.	:	04 months
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Authority to decide:

(i)	Extension of time	:	Director NIPER
(ii)	Rescheduling of mile stones	:	Director NIPER

#### Clause 6, 6A

Clause applicable - (6 or 6A)	:	6
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## Clause 7

Gross work to be done together with net payment/ adjustment of advances for material collected, if any, since the last such payment for being eligible to interim payment. : RS.....

## Clause 10A

List of testing equipment to be provided by the contractor at site lab.

1. .... 2. .... 3. ....  
4. .... 5. .... 6. ....

Clause 10B(ii) Whether Clause 10 B (ii) shall be applicable NOT APPLICABLE

Clause 10C Component of labour expressed as percent of value of work .....%

## Clause 10CA

NOT APPLICABLE

S.N.	Materials Covered under this clause	Nearest Materials (other than cement*, reinforcement bars, the structural steel and POL) for which All India Wholesale Price Index to be followed:	Base Price and its use: corresponding period of all the Materials covered under clause 10 CA*

\* includes Cement component used in RMC brought at site from outside approved RMC plants, if any.

\*\* Base price and its corresponding period of all the materials covered under clause 10 CA is to be mentioned at the time of approval of NIT. In case of recall of tenders, the base price may be modified by adopting latest base price and its corresponding period.

## Clause 10 CC

Clause 10CC to be applicable in contracts with stipulated period of completion exceeding the period shown in next column. : Not applicable

Schedule of component of other Materials, : Not applicable.

Component of civil (except materials covered under clause 10CA) /Electrical construction Xm.. % value of work. – : Not applicable.

Component of Labour - expressed as percent of total value of work. Y ..... % : Not applicable.

**Note :**

Xm.....% should be equal to (100) - (materials covered under clause 10CA i.e. Cement, Steel, POL and other material specified in clause 10CA + Component of Labour )

Clause 11 Specifications to be followed (i) NIT specifications.  
for execution of work (ii) CPWD specifications with  
upto date amendments (iii) Bureau of Indian Standard  
wherever no such specifications  
exist in S.No. I, ii.

Clause 12	Type of work	:	Boring & Installation of Tubewell Work.
12.2 & 12.3	Deviation Limit beyond which clauses 12.2 & 12.3 shall apply for work	:	30%
12.5	(i) Deviation Limit beyond which clauses 12.2 & 12.3 shall apply for foundation work	:	100%
Clause 16	Competent Authority for deciding reduced rates :		Director NIPER

## Clause 18

List of mandatory machinery, tools & plants to be deployed by the contractor at site:- Attached

## Clause 36 (i)

Requirement of Technical Representative(s) and recovery Rate.

SI No.	Minimum Qualification of Technical/ Technical representative)	Discipline	Designation (Principal Technical Representative	Minimum Experience	Number	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of clause 36(i)	
						Figures	Words
1.							
2.							
3.							

Assistant Engineers retired from Government services that are holding Diploma will be treated at par with Graduate Engineers. Diploma holder with minimum 10 year relevant experience with a reputed construction co. can be treated at par with Graduate Engineers for the purpose of such deployment subject to the condition that such diploma holders should not exceed 50% of requirement of degree engineers.

## Clause 42

(I) (a) Schedule/statement for determining theoretical quantity of cement & bitumen on the basis of.....

Delhi Schedule of Rates printed by C.P.W.D.

ii) Variations permissible on theoretical quantities:

(a) Cement

For works with estimated cost put to tender not more than Rs. 5 lakh.

3% plus/minus.

For works with estimated cost put to tender more than Rs.5 lakh.

2% plus/minus.

(b) Bitumen All Works

2.5% plus & only & nilon minus side.

(c) Steel Reinforcement and structural steel sections for each diameter, section and category

2% plus/minus

(d) All other materials.

Nil

## RECOVERY RATES FOR QUANTITIES BEYOND PERMISSIBLE VARIATION

SI No.	Description of Item	Rates in figures and words at which recovery shall be made from the Contractor	
		Excess beyond permissible variation	Less use beyond permissible variation
1.	Cement	....NIL....	Market rate +10%
2.	Steel reinforcement	....NIL....	Market rate +10%
3.	Structural Sections	....NIL....	Market rate +10%

Preferred Makes

: As attached.  
(Signatures of the Tenderer)

SECTION-VIII	ADDITIONAL TERMS AND CONDITIONS OF CONTRACT	
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1. The Director, NIPER, S.A.S. Nagar reserves the right to accept/reject any or all tenders without assigning any reason thereof.
2. All the disputes concerning this tender in any way are subject to S.A.S. Nagar/ Chandigarh Jurisdiction only.
3. The institute reserves the right to revise or amend the tender documents prior to the date notified for opening of the tenders and also the right to postpone the date of presentation and opening of tenders without assigning any reason, whatsoever.
4. Each tenderer shall upload only one tender; either by him or as partners in a joint venture. A tenderer who uploads more than one tender will be disqualified.
5. **Tenderers to study entire tender document carefully**
  - (a) Submission of a tender by a tenderer implies that he has read all the stipulations contained in this booklet and all other contract documents and has acquainted himself of the nature, site conditions scope and specifications of the works to be executed and of conditions and rates at which stores will be issued to him by the NIPER, S.A.S. Nagar. The contractor shall also be deemed to have acquainted himself with local conditions and other factors which have a bearing on the execution of the works.
  - (b) No claim will be entertained on account of ignorance of site conditions.
6. **CONTRACTOR SHALL SUBMIT FABRICATION DRAWING FOR OBTAINING APPROVAL**

The contractor shall submit fabrication drawing in triplicate for obtaining preliminary approval of the Engineer-in-Charge for all design drawings structural steel elements, **electrical panels and Air-Conditioning ducts wherever required**. One copy of this drawings duly corrected and signed wherever necessary by Institute will be returned to the contractor for preparing and resubmitting drawings after incorporating the said corrections again in triplicate for final approval. Along with the completion and approval of fabrication drawing, the contractor shall also submit the materials list, for checking and approval to the institute. No drawing shall be approved finally without material list. Once the drawing is finally approved, no request for any alternative section will be entertained. The contractor shall also submit **3 copies** of design calculations for the designs of joints **if required** All joints shall be designed for full strength of members, unless otherwise specified. Approval of fabrication drawings however will not absolve the contractor of his responsibility for the safety and correctness of the fabrication.
7. **BID OF CONTRACTORS WITH A BLEMISHED RECORD WILL NOT CONSIDER**

If the Engineer-in-Charge receives adverse report against any working contractor of the Institute, either from the department in which he is enlisted or from any other Department or Engineer-in-Charge of the Institute, his bid will not be considered on the basis of such a report.

On the receipt of a case of adverse performance/ Misbehavior/ Threatening of site staff or any other such reasons, the Director, NIPER, S.A.S. Nagar shall issue show cause to such contractors and after considering their reply, He shall have full powers to debar such contractor for a period as decided by him. Such debarred contractor shall be ineligible to take up any work in the Institute during the period of debarring.

A copy of such orders shall be posted on NIPER, S.A.S. Nagar website so that every field unit of the Institute becomes aware and does not issue tender to such debarred contractors.

If the NIT approving authority not lower than the Director, NIPER, S.A.S. Nagar is satisfied that it is in the interest of the Institute to allow a contractor who has been debarred for reason of inactivity, to participate in the tendering process for getting competitive tenders, he may do so.

14. Interpretations, corrections and changes to the Tenders Documents shall be made by Addendum, if required.
15. **Water** supply if available will be provided by the owner at one point through distribution pipe networks and pumping are to be made by the contractor at his own cost. Water charges 1% of the amount of work done will be deducted from each running/ final bill. However the agency need to make his own arrangement for water to cope up with any eventuality in the interest of work.
16. **Electricity** if available will be provided at one point and will be charged as per actual consumption. However, the tenderer required to make his own arrangement by installation of generator at his own cost to cope up any eventually in the interest of progress of work.
17. The security will be deducted from each running bill @ 2.5% which will be released as per the provision mentioned in the General conditions of contract .
18. In the event of occurrence of any of the following contingencies or the firm committing breach of any of the terms & conditions herein contained for the satisfactory and faithful performance of the contract, the Institute shall be at liberty to terminate this contract by giving 15 day notice without assigning any reason and in such case the earnest money & performance guarantee shall be forfeited absolutely. During the notice period of 15 days for termination of contract, the contractor shall continue to provide service as before till the expiry of notice period.” It shall be the duty of the contractor to remove all the person deployed by him on termination of the contract on any grounds whatsoever and ensure that no person shall create any disruption / Hindrance / problem of any Nature to the Institute
  - I. If the Contractor commits default in commencing the execution of the work within the time allowed or the extended time as specified in the DNIT.
  - II. The contractor assigns the contract or any part thereof to any other person for sub-letting the whole or a part of the contract.
  - III. The contractor is declared insolvent by any court of law.
  - IV. The execution of work not as per the directions of the Engineer-in-Charge.
  - V. In case of progress of work is found slow.
  - VI. Frequent failure to provide replacement of the absenteeism.

SECTION IX	TECHNICAL SPECIFICATIONS	
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## TECHNICAL REQUIREMENTS

### Report

1. It is proposed to drill the tube well at the proposed site as per plan (may be inspected in the Engg Section Office) in accordance with ISI No. 2800 or latest.
2. The process to be adopted in direct rotary circulation method and tube well is to be installed as per schedule wherein the actual length of housing pipe. Stainless steel screen and blind pipe is to be worked out in accordance with the availability of strata. The annular space between the wall of the hole and stainless steel screen is to be packed with suitable with size of graded gravel to make the area immediately around the well bore for the flow of water to prevent sand from entering the well during pumping.

### Specifications

3. The tube well boring and installation need the satisfactory completion of :-
  - a) Drilling the borehole in all kinds of soil, which shall include various kind of water bearing strata including small boulders of size upto 9 inch.
  - b) Installation of housing assembly complete with stainless steel screen and blind pipes of following specifications.

### Housing Pipe

4. 300mm nominal bore conforming to IS 4270:2001 with up to date amendments in 4 mtr. To 7 mtr. Random length, ERW steel pipe fabricated from 8mm thick plate with 88.99mm of threaded ends (8 thread to an inch) M.S. socket of 177.8mm width, inside thread to match the pipe thread made out of 12.5mm M.S. plate is to be provided.
5. 200mm nominal bore ERW steel pipe conforming to IS 4270:2001 with up to date amendments in 4 mtr to 7 mtr random lengths with 76.2mm of threaded ends (8 thread to an inch) fabricated out of 8mm thick M.S. plate with one M.S. socket 152.4mm width inside threaded to match the pipe threads made out of 10mm M.S. plate.

### STAINLESS STEEL SCREEN STRAINER

6. 200MM NOMINAL BORE. ERW stainless steel strainer, cage type wire bound screen as per IS 8110:2000 or latest amendments and material specifications as per AISI type 304 grade SS 304 screen in random length with a thickness of 6.63mm and 0.75mm slot opening, thickness of end ring screen should be of continuous trapezoidal wire spirally wound around fabricated cage. Slot should be "V" shaped inwardly widening, smooth, clean edged rounded off. Effective length of screen with ring should be 1.5 mtr, 2.00 mtr, 4.00 mtr, 5.00 mtr or 6.00 mtr without any circumferential joint in screen section.

### Note :-

7. The size and No. of opening will depend upon the sieve analysis, bearing strata encountered during drilling. The contractor will maintain a wooden sample box at site and will prepare strata chart. He will further submit the sieve analysis of water bearing strata encountered during drilling and will suggest the suitable size and no of slots per feet length of stainless steel screen and proposed assemble. The stainless steel screen and assemble will be approved by Engineer-in-Charge before actually lowering in writing. The technical composition of stainless steel screen to be used will be in accordance with relevant IS code and to the satisfaction of the Engineer-in-Charge.



**REDUCERS**

8. 300mm nominal bore (323.90mm o/d) housing pipe is to be connected through a properly designed, reducer with 200mm nominal bore 219.10mm o/d) blind pipe. Both the joints are to be screw type and to be provided with suitable threaded socket fabricated out of 12.5mm M.S. plate with both end threaded inside having suitable size of socket for jointing housing pipe & blind pipe.

**CLAMPS**

9. Suitable clamps fabricated on M.S. plates are to be provided through out the length of the tubewell for securing the position of the wall.

**GRAVEL**

10. The gravel shall consist of hard, well rounded particles, reasonably uniform in dia meter of 1/16" to 1/8" and its size according to design of gravel to suit the permeable strata determined by the contractor after analyzing the character of the water bearing formations to be packed. It should conform to IS 4097-1968 or latest edition free from dust, air or other vegetable matters.

**DRILLING PROCEDURE**

11. The contractor will employ Reverse Rotary circulation method rig for the drilling of the well.
12. The design of the well for the discharge anticipated through will be of the firm. Yet the contractor is to continue drilling upto any depth when ordered by Engineer-in-Charge in writing. The strata chart prepared on the basis of the observation has to be got approved from the Engineer-in-Charge before arranging and installing the columns assembly though the responsibility for the design of the well will be that of the firm. If the Engineer-in-Charge feels that sufficient water bearing strata has not been obtained drilling will be stopped when directed by the Engineer-in-Charge in writing.

**GRAVEL PACKING OF THE TUBEWELL (AS PER IS 4097 OR LATEST)**

13. After the pipe assemble is lowered into position, it is to be packed with suitable size of gravel to be designed on the basis of the analysis of the character of water bearing formulations. In the first instance the gravel packing in tubewell is done upto bottoms of the housing pipe. The verticality of the housing pipe is to be tested and defects if any to be rectified to assure that it is not out of vertical. Thereafter the position of the housing pipe is to be secured and the gravel packing upto the top to be completed. The feeding of the gravel is to be done. In such a manner that there is no bridging in the annular space. To avoid the bridging it would be helpful if the circulating fluid is pumped to agitate the gravel as it is being fed.

**DEVELOPMENT OF TUBEWELL**

14. The well shall be developed with the help of air compressor in the first instance to assure proper slotting of the gravel and after each a strainer it properly dealt. The development is to continue with the help of pumping set at a depression of 30 ft. or at discharge of 50% higher than the designed discharge of the tube well which so ever is more. The tube well is to be completely made sand free without, turbidity or as defined in the ministry of health standard for drinking water. After the contractor has reported that the development of the tubewell is completed. The tubewell is to be offered for testing. Observations are to be recorded in the shape of chart enclosed in the Annexure in the manner prescribed in IS 2800 or latest.

**VERTICALLY TEST**

15. The tubewell when out of alignment containing kinks bend or core-screw is to be rejected straight way. The housing should be true to the line and the deviation from its top to the reducing socket, in no case is more than 50mm in the case when housing pipe is 25 mtr long and 75mm when it is 30 mtr. The deviation shall be in one

direction and in one plan only. The deviation of the tube well is to be determined according to the method specified in ISS-2800.

## SCHEDULE OF REQUIREMENT

- 16.
- a) Name of the owner : Director.
  - b) Address : Sector-67,  
NIPER, S.A.S. Nagar-160062
  - c) No. of tubewell and size : One No. size 300mm x 200mm, NIPER,  
in Sector-67, S.A.S. Nagar.
  - d) Sites : Probable sites for the tube wells are marked  
on the plan and can be seen in the office of  
Engg Section.
  - e) The tubewell is to be installed for a minimum discharge of 20,000 to 35,000 gallon/ hr against the depression of 30'.
  - f) The tube well will be equipped with submersible pumping set turbine pump.
  - g) The tube well is to be installed for drinking/ lab. use water in NIPER, Sector-67, S.A.S. Nagar.
  - h) The water after development of the well should be completely sand free.

## THE CONTRACT REPORTS

17. The contractor is required to furnish the following information :
- a) He should recommend the suitability of the site proposed by the NIPER and in case of difference in opinion, he should suggest other sites nearby for the required design of the tube well within specified area already earmarked as per resistivity survey report.
  - b) Whether the test bore is proposed, or if yes its diameter and depth.
  - c) Likelihood of increasing or decreasing of depth indicated at (b) above.
  - d) Method of drilling.
  - e) Size and type of different strainer or slotted pipe etc if other than one specified are to be used.
  - f) Probable, yields of the tubewell.

He should guarantee with regard to the vertically of the tubewell and sand contents in the distance at the time of handing over the well.

## FINAL TEST

- 18.
- a) The final test is to be conducted by the contractor clearly indicating the performance of the tubewell in regard to the yield draw down & other parameters.
  - b) The Performa attaché at Annexure II is to be completed by the driller after the tube well has been complete each joint of the housing pipe, blind pipe and that of strainer with both screwed type and continue type welded with 2 Nos M.S. flats over lapping by 6" on other side by the socket.

### NOTE :-

Execution and dismantling of boring plant including all arrangement for the transportation of boring equipments to site of work from the store of contractor and are to be made & borne by the contractor.

19. The tube well should be handed over to the NIPER, S.A.S. Nagar in complete shape. A well cap should close the housing for the period between the completion of the tubewell and installation of the pumping set. The cap should be of such a design that it is removable causing no damage to the housing pipe.

20. Any pit if required for this tubewell work, the same will have to be excavated by the contractor at his own expenses. No extra/additional payment on this account will be paid by the institute to the contractor.
21. The following information should be furnished by the drilling Agency to the department on completion of the tube well.
- a) Separate chart of the bore hole indicating the different type of soil met, with depth and granular zone.
  - b) Samples of strata collected neatly packed, correctly marked in the sample bag.
  - c) Chart of actual pipe assemble lowered indication the size of pipe, depth range, where stainless screen have been used, deph and diameter of housing pipe and level of the top of the housing pipe and diameter and depth of bore hole.
  - d) Hours of development by air compressor pump set or any other means.
  - e) Results of development and top draw down test on the performance of the tube well to be recorded as shown on the Performa attached at Annexure-II.
  - f) Result of mechanical (sieves) analysis of samples of equipped of for the material where ever applicable.
  - g) Recommendations on the safe pumping yield pump setting and specifications for suitable pumps set.

**Annexure-I**

1. Name of work : Boring and Installation of Deep Tubewell of size 300mm x 200mm dia gravel packed 430 meters depth BGL at NIPER, Sector-67, S.A.S Nagar.
2. Size of Bore : 600mm
3. Size and length of Pipe : 300mm = 180 mtr  
200mm = 200 mtr
4. Size of Stainless steel screen/ strainer : 200mm = 30 mtr
5. M.S. Reducing Socket : 300mm x 200mm = 01 No.
6. M.S. Special Socket : 20 Nos.
7. M.S. centering guide : 20 Nos.
8. Bail Plug 200mm : 1 No.
9. Well cap 300mm : 1 No.
10. Gravel 1/16" x 1/8" : 135 cum.
11. Development & Stablizing of T.W.
  - (a) With Air Comp. : 50 hrs.
  - (b) With submersible motor : 50 hrs.
12.
  - (a) Supplying of submersible motor 45 H.P. 3 Phase BS Make : 1 No.
  - (b) Supply of cable : 150 meter
  - (c) Supplying of delivery M.S. pipe 4" size. : 80 meter
13. Supplying & fixing of L&T starter, star delta M.L. 4, 28-42 Amp double door. : 1 No.
14. Supplying & laying main supply PVC insulated aluminium armoured cable, size 3 x 95sqmm Make – Finolex/ Ecko. : 80 mtr.

**Annexure-II**

Name of Agency

Location of Tube Well

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**STRATA CHART**

Depth drilled

Size of bore

Housing Pipe

Blind Pipe

Stainless Steel Screen

Slot size

Gravel packing

Bail plug

Reducer

Housing clam

Centering guides

Well cap

Total hours developed

Static water level


Yield

Draw down

Pumping water level

Remarks (if any)

Engineer-in-Charge

SECTION-X	<b><u>SCHEDULE OF QUANTITY</u></b>	
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**BOQ for Boring and Installation of Deep Tubewell at NIPER, S.A.S. Nagar.**

Sr. No.	Description	Qty.	Unit	Total Rate (Rs.)	Amount (Rs.)
1.	Drilling of 600mm dia bore with Reverse Rotary Rig as per IS-2800 or latest amendments in all kinds of soil including the cost of consumable stores, fuel oil and transportation of rig to the site. complete in all respect.				
	Drilling of 600mm dia bore with Reverse Rotary Rig Upto 150 m depth BGL.	150	Mtr		
	Drilling of 600mm dia bore with Reverse Rotary Rig Beyond 150m depth BGL up to 300m	150	Mtr		
	Drilling of 600mm dia bore with Reverse Rotary Rig Beyond 300 m depth BGL up to onward depth	150	Mtr		
2.	Supplying lowering of ERW M.S. pipe as per IS 4270:2001 (With up-to-date amendments) (ISI marked) including MS sockets having dimensions as per IS code duly welded with MS Electrode to have extra strength to lower the pipe into Tube well bore complete in all respects to the entire satisfaction of the Engineer-in-charge				
	300mm nominal dia (weight 62.3 Kg/m) 8mm thickness (JINDAL MAKE)	180	Mtr		
	200 mm Nominal dia (weight 41.6 Kg. per meter) 8.0 mm thickness. (JINDAL MAKE)	240	Mtr		
3.	Supplying, lowering of stainless steel Cage type wire wound screen as per IS 8110-2000 or latest with SS socket to connect strainer to strainer duly welded with suitable grade SS electrode to lower the strainer into tube well bore complete in all respects to the entire satisfaction of the Engineer-in-charge.				
	200mm steel strainer (slot size 0.50mm) 6.30 mm thick (JOHNSON MAKE)	30	Mtr		
4.	Providing and fixing MS taper / reducer made out of 8mm thick MS sheet complete in all respects.				
	Reducer 300 mm x 200 mm.	1	Each		
5.	Supplying, lowering and fixing of M.S. special socket to connect SS strainer to MS pipe duly welded with suitable grade welding Electrode complete in all respects.				
	200 mm i/d	20	Each		

6.	Supplying and fixing M.S. centering guides made out of 32mm x 6 mm thick MS Bar complete in all respects.	20	Each		
7.	Supplying & Fixing of bail plug of M.S pipe complete with inverted U-hook attached to the bottom plug complete in all respect.				
	200mm internal diameter (weight 41.6 kg per metre) 8.0 mm thickness	1	Each		
8.	Supplying and fixing of well cap having thread to fix on housing pipe complete in all respect.				
	300 mm i/d	1	Each		
9.	Supplying at site Wooden Box of suitable size with Lid & locking arrangement for preserving strata sample collected from the bore.	1	Each		
10.	Gravel packing in tubewell construction in accordance with IS: 4097, including providing gravel fine/ medium/ coarse, in required grading & sizes as per actual requirement, all complete as per direction of Engineer-in-charge.	135	Cum.		
11.	Development and stabilizing of the tube well With air compressor of required capacity as directed by the Engineer-in-Charge including the cost of tools appliances and consumable to the satisfaction of the Engineer-in-Charge.				
	Capacity of Air compressor 500 cfm at 250 PSI	50	Per Hr		
12.	Development and Stabilizing of the tubewell with submersible pump of required capacity as directed by the engineer-in- charge including cost of tools, appliances & consumable to the satisfaction of Engineer-in-charge.	50	Per Hr		
13.	Making electric Logging of borehole with electronic well logger including cost of equipment at site etc. complete in all respect	1	Each		
14.	Collection of water sample from different strata and testing of sample from approved laboratory (Physical & Chemical Analysis).	8	Each		
15.	Testing of water sample for Heavy metal from approved laboratory (Toxic material such as Arsenic, lead, mercury, pesticide etc.)	1	Each		
16.	Providing, Installing, Testing & Commissioning of KSB make electrically driven submersible pumping set 7 stage strictly confirming to ISI: 8034-1976 with latest amendments, directly coupled with Submersible electric motor of suitable 41HP against a head of 140mtr.	1	Each		

17.	Providing, Installing, Testing & Commissioning of 3C x 16 sqmm submersible cable duly ISI marked PVC insulated and PVC sheathed flexible 3 cores, copper conductor type for rated voltage upto and including 1100 V. The continuous temperature should not exceed 700C. The size of the conductor shall be adequate and suitable for continuous use under water and in air. The Copper conductor shall be composed of plain annealed high conductivity copper wires complying with IS: 8130-1984. The general conditons of material and testing shall be as specified in IS: 694-1990 (Reaffirmed 2010).	150	Mtr.		
18.	Providing, installing and testing of outdoor type 415 V totally enclosed Electrical control panel manufactured out of MS sheet 16 SWG with IP:55 degree of protection complete with 3 Phase (415 V), 200 A, 35 KA heat shrink PVC sleeved Aluminium bus bar having current density not more than 1.0amp per sq.mm and equipped with the followings with separate bus bar/cable alley. The job is to be complete as per design approved by Engineer-in-charge.				
	<b>Incomer</b>				
	100 A, 3P, MCCB 25kA - 1 No				
	Digital Ammeter with selector switch - 1 No				
	Digital Voltmeter with selector switch - 1 No				
	Phase Indicating Lamps - 3 Nos				
	Voltage Monitor Relay with Phase Sequence				
	Single Phase Sequence Relay				
	Master Trip Relay				
	Push Buttons ON / OFF - 2 Nos				
	ON / OFF Indication Lamps - 2 Nos				
	Outgoing - Capacity as applicable				
	Fully Automatic Star Delta Starter				
	Contactors etc	1	Each.		
19.	SITC of 3.5 x 95 sqm armoured aluminium conductor cable. Make - Finolex/ Ecko.	80	Metre		
20.	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required. 5.5 Earthing with copper earth plate 600 mm X 600 mm X 3 mm	2	Each.		
21.	Providing and fixing 25 mm X 5 mm G.I. strip in 40 mm dia G.I. pipe from earth electrode including connection with G.I. nut, bolt, spring, washer excavation and re-filling etc. as required.	40	Mtr		



22.	Providing, Installing, Testing & Commissioning Double Flanged Column Pipe 100 mm shall conform table 2 of IS 1239 (Part – I) – 2004 or latest (class C) and flange dimensions should be as per relevant IS Specifications duly painted with black paint.	75	Mtr.		
23.	Providing and laying S&S C.I. standard specials such as tees, bends, collars, tapers, caps etc. (Heavy class):				
	Up to 300 mm dia	1	Qntl		
24.	Providing and laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS : 8329 :				
	200 mm dia Ductile Iron Class K-7 pipes	3	mtr		
25.	Providing and fixing C.I. sluice valves (with cap) complete with bolts, nuts, rubber insertions etc. (the tail pieces if required will be paid separately) :				
	100 mm diameter				
	Class II	4	Nos.		
26.	Providing and fixing C.I. double acting air valve of approved quality with bolts, nuts, rubber insertions etc. complete (The tail pieces, tapers etc if required will be paid separately) :				
	100 mm dia	1	Nos.		
27.	Providing and fixing C.I. Non Return Valve of approved quality with bolts, nuts, rubber insertions etc. complete (The tail pieces, tapers etc if required will be paid separately) :				
	100 mm dia	1	Nos.		
28.	Supplying pig lead at site of work	0.30	Qntl		
	<b>Total Cost</b>				
<b>GRAND TOTAL</b>					

**Note : price quoted in the Online price bid only**

(Signatures of the Tenderer)