TENDER DOCUMENT

NIT No.33/Ext. Project/W/TVNRL/RAN/2017-18
Due on: 06.04.2018

CST NO:229C    TIN NO 200992201429    PAN NO AACCT1197L    GST NO 20AACCT1197L1ZC

(BOQ)

ENGGAGEMENT OF CONSULTANT
FOR CONSULTANCY SERVICES FOR FEASIBILITY STUDY AND
PREPARATION OF DPR FOR INSTALLATION OF EFFLUENT
TREATMENT PLANT (ETP) & SEWERAGE TREATMENT PLANT
(STP) IN THE EXISTING UNITS OF 2 x 210 MW AT TENUGHAT
THERMAL POWER STATION, LALPANIA, DISTRICT BOKARO,
JHARKHAND

Registered Office:
Tenughat Vidyut Nigam Limited
(A Govt. Of Jharkhand Undertaking)
Hinoo, Doranda, Ranchi-834002
# TENUGHAT VIDYUT NIGAM LIMITED

**HINOO, DORANDA, RANCHI-834002**

**NIT No.33/Ext. Project/W/TVNL/RAN/2017-18**

Due on: 06.04.2018

**BILL OF QUANTITY**

**PART – B (TECHNO-COMMERCIAL PART)**

**Name of the Work** : Consultancy Services for feasibility study and preparation of DPR for installation of Effluent Treatment Plant (ETP) and Sewerage Treatment Plant (STP) in the existing units of 2x210 MW at Tenughat Thermal Power, Lalpania, District Bokaro.

## 1. COMPANY BACKGROUND

Tenughat Vidyut Nigam Limited is a power generating company incorporated on 26.11.1987 under Indian Company's Act, 1956. TVNL, a Govt. of Jharkhand Undertaking is having its corporate office at Ranchi. The project site known as Tenughat Thermal Power Station (TTPS) is located at village Lalpania in Dist-Bokaro. The project is situated on the bank of Tenughat reservoir.

The total installed capacity of Tenughat Thermal Power Station is 420 MW having two units of 210 MW capacity each. The first unit of 210 MW was put under commercial operation in September 1996 and second unit of 210 MW in September 1997.

TVNL intends to engage a Consultant for consultancy services for installation of Effluent Treatment Plant (ETP) & Sewerage Treatment Plant (STP) in the existing units of 2x210MW at TTPS Lalpania through open tender.

## 2. BID SCHEDULE:-

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>ACTIVITY</th>
<th>COMPLETION DATE/TIME</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Downloading of Tender Paper</td>
<td>From 12.03.2018</td>
</tr>
</tbody>
</table>
| 2.    | Last date for Submission of tender | **06.04.2018 up to 14:00 hrs**  
**Venue**: TVNL, Hinoo, Ranchi |
| 3.    | Opening of Techno-Commercial Part | **06.04.2018 at 16:00 hrs**  
**Venue**: TVNL, Hinoo, Ranchi |
3. **CONTACT PERSONS:-**

   Electrical Superintending Engineer (Extension Project)-9031051181,9835128426  
   Electrical Executive Engineer (Extension Project) - 9031078848  
   Assistant Executive Engineer (Extension Project) - 9031078870

   Email Id:- tvnlext.project@gmail.com

4. **Bank Details of Company:-**

   Name of Bank- Allahabad Bank  
   Address - Main Road, Doranda, Ranchi -834002  
   IFS Code- ALLA0211069  
   A/C No-20248916534

5. **SCOPE OF WORK OF THE CONSULTANT:-**

   The Scope of work of the selected bidder shall be as mentioned below in four parts:-

   **1. Water Audit:-**

   TTPS, Lalpania requires the detailed water assessment (Qualitative and Quantitative) to conclude change in water balance, effluent quantity and quality, and system improvement suggestions to optimize their current assets and operation towards water resource consumption. Efficient operation of our zero discharge systems for locations as a whole will finally meet the objective of **“Positive Water Balance”**. To achieve this objective, the scope of work for Water Audit of TTPS Lalpania unit in existing scenario shall be as follows but not limited to:

   a. Data Collection and analysis.  
   b. Water abstraction data – by source and location.  
   c. Water consumption data from each operational system. Wastewater discharge data (quality / quantity).  
   d. Effluent treatment plant descriptions, if applicable.  
   e. Losses from the site through the ongoing process and natural evaporation.  
   f. Detailed plant inventory and process descriptions.  
   g. Establish current practices / develop water balances Understand the process flow.  
   h. Regulatory water requirements.  
   i. Measurement through a flow meter and water sampling. Water balance assessment.  
   j. Water Assessment  
   k. Identification of opportunities for reduction in the fresh water consumption. Identification of treatment options for reuse of the effluents.
1. Evaluation of existing flow measurement devices. Assessment of design and operational efficiency.

m. Preparation of conservation strategy and positive water balance.

n. Evaluation of the feasibility of decentralized treatment facility.

2. **Feasibility Study:-** Preparation of Feasibility Study Report for installation of ETP and STP System to meet latest MoEF&CC guidelines.

3. **Preparation of Detailed Project Report (DPR):-** Preparation of DPR for installation of ETP and STP System to meet latest MoEF&CC guidelines shall be done considering following scope of work for ETP & STP:-

**Scope of Work for ETP:-**

a. Identification, survey and Civil structural design details for installation of proposed ETP within TTPS Plant Jurisdiction.

b. The consultant shall prepare the DPR considering the Techno-economic Feasibility of the well proven technology with detailing of the equipment designing, structural details, piping, PFD, P&I diagram, Layout plan etc.

c. The consultant shall visit TTPS unit and get acquainted with the quality/quantity of the effluents generated in various industrial activities of TTPS. Lalpania which will reveal the capacity and inlet parameters for Effluent Treatment Plant.

d. The ZED Process may be carried out considering the following two options: Treating effluent at the source.

Centralized Treatment System.

e. Based on primary survey and analysis, the consultant shall freeze the design parameters for effluent treatment, identify new equipment and system for achieving zero effluent discharge and prepare technical specifications for new equipment and systems, such as use of Ultra filtration system, Reverse Osmosis system, Multiple Effect Evaporator (MEE), Filter system for solid separations as envisaged by the consultants.

f. The overall process of ZED should be as per MoEF&CC/CPCB/JSPCB norms.

g. Preparation of process details, Technical Analysis Report and treatability study on treatment of effluents for achieving zero effluent discharge, with well proven technology.

h. Mechanical details of the proposed Plant shall cover Detailed Engineering of treatment & recycling plant. All the equipment design details, Plant / Equipment Lay out plan, P & ID Diagram with details of Process, Electrical & Instrumentation drawings shall be covered in DPR. Utilization of existing infrastructure effluent network and integrating the same with new plant may also be explored.

i. Consultant shall be responsible for confirmation of the quality of treated effluents for reusing as process water.
j. Consultant shall recommend suitable technology with a list of competent system vendors/contractors to TTPS, Lalpania for procurement.

k. Detailed cost estimation of electrical, instruments & Mechanical equipment, piping, civil work etc. and preparation of BoQ.

l. The consultant will provide total Capital cost (with breakup) of the project and operating cost of the project per cubic meter of effluent to be treated.

m. Consultant shall submit Techno-economically feasibility Report, Draft Project Report for review by TTPS, Lalpania or Third Party and comments, if any, by TTPS Lalpania are to be included in the proposal.

n. Consultant shall submit Detailed Project Report (DPR) to TTPS, Lalpania in 05(five) copies.

o. Prepare the project implementation schedule for execution with the responsibility of each resource in CPM, PERT Chart.

p. Other related consultancy work for Guarantee Test Run (GTR).

**Scope of work of STP**

a. Calculation of STP capacity based on the existing and proposed expansion of infrastructure and settlement in the integration of proposed sewerage network.

b. Analysis of inlet water quality for design specification.

c. Survey, design and drawing as per the calculated capacity following CPHEEO Guidelines. Consideration of best appropriate and updated technology to meet the effluent criteria as per applicable regulatory guidelines.

d. Specification of all proposed mechanical and electrical system.

e. Designing and drawing of all allied civil/electrical/mechanical services.


g. Preparation of BoQ in adherence to proposed designing with following State Schedule Rate/DSR and comparative quotation of three party’s as applicable.

  CapEx, OpEx and Revenue (Reuse of Water) analysis for upcoming 15 years.

h. Recommend organizational set-up for operation and maintenance of the system, if necessary.

i. Prepare the project implementation schedule for execution with the responsibility of each resource in CPM, PERT Chart.

j. Other related works which are applicable to construction and operation of STP.

4. **Preparation of Tender Specification and selection of EPC Contractor:** Consultant shall Prepare the Tender Specification for selection of EPC Contractor for installation of ETP and STP System to meet latest MoEF&CC guidelines. After floating the Tender and receiving bid documents, the evaluation of Techno-Commercial and Price-Part of the bid
will be done by the Consultant. They will recommend the name of successful bidder and assist TVNL in preparation of Draft Letter of Intent /Award/ Work order.

5. **Any other related work:-** Any other related work which is not mentioned under the above scope of work in this Bid document but is necessary for the consultancy job shall also be covered by the Consultant.

6. **QUALIFYING REQUIREMENT (QR)**

Subject to fulfilment of the other terms and conditions of tender document, the bidder shall meet the Qualifying Requirements and comply with the terms stipulated hereunder:

1. The bidder should be a consulting company and should be registered under the Companies Act 1956/ Limited Liability Partnership (LLP) registered under 58(4)(b) of the LLP Act.
2. Bidder shall have completed Consultancy Services of at least one (01) no. Effluent Treatment Plant (ETP) / Sewerage Treatment Plant (STP) during last seven years from the date of opening of tender.
   The bidder should have executed three stage (Primary, Secondary & Tertiary Treatment) Effluent Treatment Plant of capacity not less than 1.5 MLD.
3. The average annual turnover during the last 03 (three) financial years ending on 31st March of the preceding financial year shall be at least Rs.1.00 Cr. (Rupees one crore) only.
4. The bidder should fulfil the above qualifications on its own and not in consortium with any other firm / company (consortium of companies not allowed).

**Note:**

a) The above information should be supported by relevant documentary evidence such as Annual Reports, and IT Returns for the last 3 (three) Financial Years and copy of relevant work orders/Work Completion certificates.

b) The offers of the Bidder not meeting the pre-qualifying requirements and not producing supportive documents shall be liable for rejection.

c) TVNL reserves its right to verify the documents/information submitted or inspect the site / installation referred in Bid documents. The Bidder shall provide necessary facilities for this purpose.

d) The successful bidder shall not be eligible to participate in the bidding process for the selection of the EPC Contractor.
7. DOCUMENTS TO BE SUBMITTED:

A) Copy of Work Orders/Work Completion Certificates from the clients, evidencing experience of having completed eligible assignments as per the bid document.

B) Copy of Registration Certificate and a valid PAN card.

C) Copy of GST Registration.

D) Cancelled cheque OR RTGS details in the letter pad of the Company authenticated by the Bank.

8. FEES FOR THE ASSIGNMENT

The bidder has to quote prices as per the format of Price bid. The taxes as applicable on the fee would be paid over and above the quoted fee.

9. TERMS FOR PAYMENT

The Terms of payment for the selected Consultant for the scope of work mentioned shall be as follows:

<table>
<thead>
<tr>
<th>Sl No</th>
<th>Due &amp; Payable</th>
<th>Payment as % age of fees quoted</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Submission of Water Audit Report</td>
<td>90%</td>
</tr>
<tr>
<td>2</td>
<td>Submission of Feasibility Study Report for installation of ETP and STP system to meet latest MoEF&amp;CC guidelines.</td>
<td>90%</td>
</tr>
<tr>
<td>3</td>
<td>Submission of DPR for installation of ETP and STP system to meet latest MoEF&amp;CC guidelines.</td>
<td>90%</td>
</tr>
<tr>
<td>4</td>
<td>Preparation of Tender Specification for selection of EPC Contractor for installation of ETP and STP system to meet latest MoEF&amp;CC guidelines, Tender Evaluation and assistance in placing Work Order on successful Bidder.</td>
<td>90%</td>
</tr>
</tbody>
</table>

The rest 10% amount of each item mentioned above shall be paid after one month of execution of agreement with the EPC Contractor.

9. PERIOD OF CONTRACT: The period of contract shall be 08 (Eight) months from the date of execution of the Agreement.

10. BIDDING PROCESS:

On behalf of Tenughat Vidyut Nigam Limited (TVNL), Ranchi sealed tenders in three parts containing three envelopes A, B & C (Requisite cost of Tender Documents & Earnest Money of specific value in envelope “A” i.e Part-A,
Techno- Commercial Bid in envelope “B” i.e. Part-B and Price Bid in envelope “C” i.e Part-C) are invited separately.

11. **TENDER SUBMISSION PROCESS:-**

The tender shall be submitted in three parts, i.e. Part A, Part B & Part C as follows:

**Part A - Earnest Money & Cost of Tender Documents** – The Bidder shall be required to submit Earnest Money Deposit (EMD) of Rs.1,36,000/- (Rupees one lakh thirty six thousand only) in form of DD in favour of “TENUGHAT VIDYUT NIGAM LIMITED”, payable at RANCHI or in form of Bank Guarantee. The DD of Rs.10,000/- (Rupees Ten thousand only) in favour of “TENUGHAT VIDYUT NIGAM LIMITED”, Ranchi towards cost of tender documents shall require to be submitted in the envelope containing the EMD. The envelope ‘A’ containing Cost of tender documents and EMD shall be super subscribed with the words “Cost of Tender Documents and EMD - Offer for engagement of Consultant for Consultancy Services for feasibility study and preparation of DPR for installation of Effluent Treatment Plant (ETP) and Sewerage Treatment Plant (STP) at TTPS Lalpania.”

**Part B – Techno-Commercial Bid** - The Techno-Commercial bid shall be submitted in a separate sealed envelope, which would be super subscribed with the words “Techno-Commercial bid – Offer for engagement of Consultant for Consultancy Services for feasibility study and preparation of DPR for installation of Effluent Treatment Plant (ETP) and Sewerage Treatment Plant (STP) at TTPS Lalpania”

**Part C - Price Bid** – The Price bid shall contain the Schedule of Fee for the assignment attached with this Tender. The fee should be quoted both in figures and in words (English) and exclusive of taxes.

The price bid shall be duly signed and stamped on each page.

Price bid shall be submitted in a separate sealed envelope, which would be super subscribed with the words “Price bid – Offer for engagement of Consultant for Consultancy Services for feasibility study and preparation of DPR for installation of Effluent Treatment Plant (ETP) and Sewerage Treatment Plant (STP) at TTPS Lalpania.”

All three separate sealed envelopes (Part-A, B & C) shall be put in one common envelope, sealed and super-subscribed with the words – “Offer for engagement of Consultant for Consultancy Services for feasibility study and preparation of DPR for installation of Effluent Treatment Plant (ETP) and Sewerage Treatment Plant (STP) at TTPS Lalpania.”
11. **BID OPENING AND EVALUATION OF PROPOSALS**

   a. The main envelope containing bids received from the bidders shall be opened first on due date and time of opening in the presence of the authorised representatives of the agencies, who wish to be present.

   b. The envelope ‘A’ containing EMD and Cost of tender documents shall be opened first. The bid shall be out rightly rejected if it is not accompanied with the requisite tender fee and Earnest money deposit.

   c. The envelope ‘B’ containing Techno-Commercial Bid shall be opened then.

   d. The **Techno-Commercial Bid** shall be evaluated against the qualifying requirement (QR) based on the submitted documents and only those bids that contained documentary proofs detailing the information as per QR to the satisfaction of TVNL would be considered as technically qualified. TVNL reserves the right to seek clarifications during the evaluation process of Techno-Commercial bid.

   e. **Evaluation of Price Bid**: The envelope ‘C’ marked as “Price bid” would be opened only of the technically qualified Bidders. The Price bid will be opened in the presence of the authorized representatives of the agencies, who wish to be present. Price bid of other Bidders not technically qualified will be returned unopened.

   f. **Award of Contract**: The assignment will be awarded to the technically qualified bidder who has quoted lowest lump sum price, in Indian Rupees, without condition(s) or alternate price Bid. Conditional Price Bid will be rejected out rightly.

In the event of no response from the Bidder on the clarification for finalisation of the contract, TVNL reserves the right to reject the bid and forfeit the Earnest Money deposit furnished by such bidders.

13. **SECURITY DEPOSIT**

   The selected Consultant shall have to furnish a security deposit amounting to 10 percent (10%) of the Work order value within fifteen (15) days of issue of the work of Award for the entire assignment period by way of Demand Draft or Bank Guarantee of any Nationalized/ Scheduled bank.

   No interest will be paid by the Nigam on the security deposit.

14. **RELEASE OF SECURITY DEPOSIT MONEY**:

   The Security Deposit Money would be released only after one month of Contract closure i.e submission of “NO DEMAND CERTIFICATE”.

15. **EARNEST MONEY DEPOSIT**
The bidder shall be required to submit Earnest Money Deposit (EMD) of Rs.1,36,000/- (Rupees one lakh thirty six thousand only) in form of Demand Draft (D.D)/ Bank Guarantee (B.G) along with the Bid.

“Earnest Money Deposit shall be in the form of Demand Draft (D.D)/Bank Guarantee (B.G) from any Nationalized/ Scheduled Bank, in favour of ‘TENUGHAT VIDYUT NIGAM LIMITED’ payable at Ranchi and Valid up to 06 (six) months from the last date of bid submission or any extension in the bid submission date.

The EMD of the unsuccessful bidders shall be refunded, only on completion of the entire process of selection of successful bidder.

On award of the work to the successful bidder, the EMD shall be refunded but only after submission of the Security Money in the form of Demand Draft or Bank Guarantee.

Tender, without Earnest Money shall not be considered. Offers shall be accompanied with the cost of tender document and earnest money deposit (EMD) of requisite value as specified above in a separate envelope failing which offers are liable for rejection.

16. **PENALTY:-**
   a. The Time schedule is the essence of this contract.
   b. The work shall be completed within the stipulated time period of the contract and as per direction of the Engineer-In-charge.
   c. In case of delay in completion of the work within stipulated time, liquidated damages (LD) shall be levied as penalty @ 0.5% per week subject to maximum @ 5% of the work order value.
   d. If the reason for the delay is not attributable to the Consultant, adequate time extension will be given to the Consultant to the extent of delay attributable to TVNL as decided by TVNL.

17. **Force Majeure As Applicable:**

Force Majeure herein defined is a cause which is beyond the control of the Consultant or the TVNL, which they could not foresee and which substantially affect the performance of the Contract as

1) Natural phenomena, including but not limited to floods, droughts, earthquake and epidemics.
2) Acts of any Government, domestic or foreign including but not limited to war, declared or undeclared priorities, quarantines, embargoes. Strikes, lock outs and sabotage. Riots and civil commotions.
3) Provided either party shall within fifteen (15) days from the occurrence of such a cause notify the other in writing of such cause and neither party
shall by reason of such eventuality be entitled to terminate this contract nor shall either party have any claim for damages against the other in respect of such non-performance or delay in performance and construction of work under this contract shall be resumed as soon practicable after such eventuality has ceased. Appropriate extension in time of completion shall be granted.

18. **OTHER TERMS AND CONDITIONS:**

   a) The Bidder should have a team having in-house expert or experts hired by the bidder having worked on the Eligible assignments as per the qualifying requirements.

   b) Any other expertise man power may be engaged, if required, to complete the assignments.

   c) Consortium of companies shall not be allowed to participate in this Tender process.

   d) The Price quoted by the bidders shall be in Indian Rupees only.

   e) The Consultant should have full time / hired team members and technical experts.

   f) The Consultant shall make available the services of the identified personnel as may be required for successful execution of the assignment and/or as may be required by TVNL on specified dates, venues and time in order to meet the obligations of TVNL. In case of replacement of key personnel, the same shall be done with prior permission of the Nigam.

   g) Given the nature of the work being entrusted, the firm would have to give an undertaking to the effect that the contents/ essence of any reference/ documents given would not be disclosed to any third person/party without the approval of TVNL, failing which the engagement of the firm could be terminated.

   h) No offer should be sent by Fax or E-mail.

   i) Out of pocket travelling expenses shall be borne by the bidder.

   j) The bidder company should not have been blacklisted by any Ministry/Government undertaking in India in the last 5 years.

19. The Earnest Money will be forfeited on revocation of tender before expiry of validity of the tender or on refusal to enter into the contract after the award is made by TVNL to the bidder.

20. Any Corrigendum/Addendum/Extension of bid opening date and cancellation of Tender Notice will be published through our website [www.tvnl.in](http://www.tvnl.in) only and not through newspaper. The bidders are requested to visit our website regularly for any addendum/corrigendum/extension till opening of Tender.
21. The due date of bid opening as mentioned in the tender will remain firm. However, in case of unforeseen circumstances or due to administrative reasons the bids are not opened on the due date, the same shall be opened on the next working day at the same time. In case the last date of submission of bids is declared as holiday, the bids received up to the time of closing of bids on the next working day shall be considered for opening.

22. TVNL reserves the right to reject any or all tenders without assigning any reason thereof.

23. **PROCESS TIMELINES**

   Bid documents may be downloaded from TVNL website [www.tvnl.in](http://www.tvnl.in) from 12.03.2018 and may be submitted as per Bid Schedule given at clause no-2.

   The bidder/s or their authorized representative/s may remain present, if they wish, at the time of Bid opening.

   The qualified bidders will be intimated through Telephone/ Fax/ E-mail/Post.

   Sd/-
   (J. K. Sinha)
   ESE (Extension Project)
Details to be filled by Bidders

Name of the Work : Consultancy Services for feasibility study and preparation of DPR for installation of Effluent Treatment Plant (ETP) and Sewerage Treatment Plant (STP) at TTPS Lalpania.

<table>
<thead>
<tr>
<th>S.No</th>
<th>Particulars</th>
<th>Details to be furnished by the Bidder (Enclose separate sheets if required)</th>
<th>Flag No.</th>
<th>Page No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Name of the Bidder (Enclose Letter Head of the firm).</td>
<td></td>
<td>I</td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>Mailing Address of Bidder with Telephone, Mobile, Fax, E-mail.</td>
<td></td>
<td>II</td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>Name of the Proprietor/Head of the Firm and its key personnel.</td>
<td></td>
<td>III</td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td>Details of maintenance set up with resources like permanent employees (with designation &amp; strength), tools &amp; tackle and other equipment and capacities)</td>
<td></td>
<td>IV</td>
<td></td>
</tr>
<tr>
<td>5.</td>
<td>Name and qualification of the site-in-charge</td>
<td></td>
<td>V</td>
<td></td>
</tr>
<tr>
<td>6.</td>
<td>Work Experience of Bidder (Attach copy of work order of similar work and its successful completion certificate as per QR)</td>
<td>Dated............. Completion Certificate Dated............. Work Order No............. Dated...... Completion Certificate</td>
<td>VI</td>
<td></td>
</tr>
<tr>
<td>7.</td>
<td>Financial Credibility/Capacity (Attach Certificate of Chartered Accountant)</td>
<td></td>
<td>VII</td>
<td></td>
</tr>
<tr>
<td>8.</td>
<td>Average annual turnover of bidder during the last 03 financial years.  (Attach audited Balance Sheet &amp; P/L Account for last three years ending 31st march,2017)</td>
<td>Average annual turnover of bidder during the last 03(three) financial years. Rs.................. Annual Turnover FY 2016-17 Rs.................. FY 2015-16 Rs.................. FY 2014-15</td>
<td>VIII</td>
<td></td>
</tr>
</tbody>
</table>
9. IT Returns for last 3(three) Financial Years | IX |  
10. Name & Designation of Authorised Signatory (Attach Power of Attorney if applicable) | X |  
11. Nature of Firm (Proprietorship/ Partnership/ Pvt. Ltd./Public sector. (Attach proof) | XI |  
12. Permanent Account Number (PAN)(Attach proof) | XII |  
13. GST Registration Number (Attach proof) | XIII |  
14. Self declaration certificate by company Secretary/ Equivalent officer of the company. That firm has not been blacklisted by any Govt. or PSU | XIV |  
15. Particulars of Earnest Money Deposit (DD No./BG No. & Date) | XV |  
16. Bank Detail for refund of EMD (Name of the Bank, Branch, Account No, IFSC Code) | XVI |  
17. Particulars of Cost of Tender Document (BOQ) (DD No., Date and Amount) | XVII |  
18. Other details and remarks, if any | XIX |  

Sd/-
(J. K. Sinha)
ESE (Extension Project)
**Name of the Work**: Consultancy Services for feasibility study and preparation of DPR for installation of Effluent Treatment Plant (ETP) and Sewerage Treatment Plant (STP) system to meet latest MoEF&CC guidelines.

<table>
<thead>
<tr>
<th>Sl No</th>
<th>Description of work</th>
<th>Rate (in Rupees) (Both in figures and words)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Water Audit Report</td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>Feasibility Study Report for installation of ETP and STP system to meet latest MoEF&amp;CC guidelines.</td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>DPR for installation of ETP and STP system to meet latest MoEF&amp;CC guidelines.</td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td>Preparation of Tender Specification for selection of EPC Contractor for installation of ETP and STP system to meet latest MoEF&amp;CC guidelines, Tender Evaluation and assistance in placing Work Order on successful Bidder.</td>
<td></td>
</tr>
</tbody>
</table>

**Total**

Sd/-

(J. K. Sinha)

ESE (Extension Project)
Notes :-

1. GST or any other Taxes shall be paid as per prevailing rate.

2. Bidders are advised to mandatorily quote the fees against each item no. (i.e. 1 to 4 above) and the fees so quoted shall be strictly in Indian Currency (Indian National Rupee). Failure to do so will lead to disqualification of the bid.

3. The rate to be quoted in Price Bid shall be in figure and in words both. In case of difference in the rates quoted in figures and words, the amount in words shall prevail. The bidder must quote firm rates. Bid with variable rates shall be considered invalid.

4. Fees quoted against each of the item shall be inclusive of Tours & Travels and incidental expenses.

5. Fees quoted against each of the item should be reasonably proportional to the total fee quoted excluding taxes.

6. No escalation for any reason whatsoever shall be allowed over and above the Bid price till completion of the assignment.

7. The Bidder shall quote prices taking into consideration of the complete scope of work, any item left out and not specifically mentioned but are required for completion of the work shall be carried out by the Consultant without any additional cost to TVNL.

8. Income tax at source will be deducted by TVNL as per the applicable law and regulation and TDS certificate shall be issued to the Consultant by TVNL.

9. All expenses incurred by the selected agency (except statutory payments and applicable taxes) for carrying out all the activities as per scope of work will be borne by the selected agency and TVNL will not take any responsibility whatsoever on this account.

10. The financial proposal with condition(s) or alternate price Bid will be summarily rejected.

11. Bidder must quote their rates strictly in the format of Price Part of the Bid document. They should not use their own format for quoting the price.
**Name of the Work** : Consultancy Services for feasibility study and preparation of DPR for installation of Effluent Treatment Plant (ETP) and Sewerage Treatment Plant (STP) at TTPS Lalpania.

**GENERAL TERMS & CONDITIONS**

1. **Validity of Offers:** The bid submitted by bidders should remain valid for a Period of 180 days from the date of opening of Techno-Commercial Bid unless otherwise specified. The Bidder may be required to further extend the validity of Bid as per the requirement of TVNL.

2. **Late Receipt of the Tender:** Special attention of the bidder is invited about the receipt of the tender in time. Tenders received after the stipulated date and time due to any reason, whatsoever, shall not be considered. Bidders are requested to see that their bids are delivered in the office of TVNL before the prescribed date and time.

3. **Inspection of Site:** Before quoting the rate, bidders are advised to visit the work site at their cost and get satisfied with the scope of work for which rates are to be quoted. Work-in-Charge may be consulted for any clarifications and technical specification of work carefully and sign in all pages of the tender document.

4. **Instruction to Bidder:**
   a. Bidders are advised to submit their bids strictly based on the scope of work, term & conditions contained in the bid document and subsequent revisions/ amendments, if any. The bid should be submitted along with covering letter.
   b. The bid shall be prepared and submitted by typing or printing in English on white paper in consecutively numbered pages duly signed by the authorized signatory with company seal affixed on each page. Any part of the bid, which is not specifically signed by the authorized signatory and not affixed with company seal, may not be considered for the purpose of evaluation.
   c. Copy of the bid document, amendments/revisions to bid document if any, shall be signed and submitted along with the bid.
   d. **Complete bid document including all enclosures should preferably be submitted in hard bond or spiral binding and all pages should be numbered and must be signed by the authorized signatory with seal of the company.**
   e. The bid should be sealed and addressed to ESE (Extension Project), Tenughat Vidyut Nigam Limited, Hinoo, Ranchi-834002. The rate to be quoted in price part (Part-C) shall be in figure and in words both. In case of difference in the rates quoted in figures and words, the amount in words shall prevail. The bidder must quote firm rates. Bid with variable rates shall be considered invalid.
   f. Incomplete tender or tenders not submitted as per requirement as indicated in the Tender Document are likely to be rejected.
   g. Bidders shall submit their offers strictly as per terms and conditions of the tender document without any deviation. If at any time any of the documents/information submitted by the bidder is found to be incorrect, false or untruthful, the bid and/or the resultant order may be summarily rejected/cancelled at the risk of the bidder.
   h. Failure to furnish all information and documentary evidence as stipulated in the bid document or submission of an offer that is not substantially responsive to the bid document in all respects shall be summarily rejected.
   i. All bids will be received in duly sealed cover within the due date and time. Bids received after the due date and time is liable for outright rejection.
5. **Paying Authority:** The Accounts Officer, TVNL, Ranchi will be the Paying Authority.

6. **Work-in-Charge:** Electrical Executive Engineer (Extension Project) will be the Work-in-Charge for this work. The works are to be executed as per direction of the Work-in-Charge. Anything not mentioned here in shall be decided by the Work-in-Charge of the work and shall be binding on the Bidder.

7. **Period of Contract:** The period of contract shall be 08(eight) months from the date of execution of Agreement.

8. **Agreement:** The firm and his legally authorized representative having Power of Attorney will have to execute agreement with the ordering authority within 30 (thirty) days of issue of work order in the event of placement of order on them. The agreement will have to be prepared on a non-judicial stamp paper of Rs.50/- only on Nigam’s format. Bank Guarantee against security deposit as per order will have to be furnished well before execution of agreement. The consultant is required to produce all original paper and documents for verification before agreement failing which order will be cancelled. Payment against work will be made only after execution of agreement.

9. **Taxes:** GST or any other taxes as applicable shall be paid extra.

10. **Violation of Terms & Conditions of Tender:** All terms and conditions of tender shall form a part of the contract. If consultant fails to execute the work up to entire satisfaction of Engineer -in – Charge as per terms & conditions of tender, then the contract agreement can be terminated after one month prior notice and Security Deposit Money shall be forfeited.

11. **Subletting:** The successful bidder will have to execute the work directly. No subletting will be allowed.

12. **Facilities to be provided by TVNL**

   a) Unfurnished accommodation for office with water and electricity inside the power house will be provided free of cost if available.
   
   b) Guest house facility shall be provided to the visiting engineers/officers of the Consultant on chargeable basis if available.
   
   c) Unfurnished accommodation may be provided to the employees of the Consultant, if available during the period of execution of work in TTPS Township on rental basis as per departmental rule.
   
   d) Electricity will be provided on chargeable basis as per JUVNL Tariff.
   
   e) Medical facility as available at project site shall also be extended to the employee of the Consultant. No payment will be made for any medicine purchased from outside or any treatment or test done outside the TTPS Hospital.

13. **Competent Authority:** Managing Director TVNL reserves the right to extend the due date and to reject any/ all the tenders or to increase / reduce the quantity of tender without assigning any reason thereof and not bound to accept the lowest tender or to assign any reason for the rejection of the lowest tender. During the execution of work in case of any dispute between the Engineer-in-Charge and the Consultant, the decision of Managing Director, TVNL will be final and binding.

14. **Mobilization Time:** The successful bidder will be given maximum fifteen days (15) time from the date of LOA/Work Order for mobilization of resources, manpower and starting the work.

15. **Jurisdiction of Court:** Any dispute between the Bidder/Consultant and TVNL shall be settled in the Civil Court, at Ranchi, Jharkhand only.

   Sd/-
   (J K Sinha)
   ESE (Extension Project)
BANK GUARANTEE FOR EARNEST MONEY DEPOSIT
(TO BE STAMPED IN ACCORDANCE WITH STAMP ACT)

(TO BE ISSUED BY ANY NATIONALISED/SCHEDULED BANK AUTHORISED BY RBI TO ISSUE A BANK GUARANTEE)

Ref: Bank Guarantee No:

Date:

To,
Tenughat Vidyut Nigam Limited
Hinoo, Doranda
Ranchi.

Dear Sir,

In consideration of M/s Tenughat Vidyut Nigam Limited having its Registered Office at Hinoo, Doranda, Ranchi-834002 hereinafter called "the Nigam" which expression shall unless repugnant to the subject context or meaning thereof includes its successors administrators and assigns (having agreed under the terms and conditions contained in letter no _____________ dated ______________ issued in favour of M/s_________________________ for (hereinafter referred to as "the contract" to accept the deed of guarantee as herein provided for Rs ___________________ from the Nationalized Bank as Earnest Money Deposit: to be made by M/s _____________________ (hereinafter called 'the Bidder') for the due fulfilment of the terms and conditions contained in the said contract by the Bidder. we the ______________________ Bank (hereinafter referred to as the said Bank) having its Registered Office at _______________ do hereby undertake and agreed to pay the Nigam to the extent of Rs. ___________________ on demand stating that the amount claimed by the Nigam is due and payable by the Bidder for the reasons.

In accordance with your Tender Notice for .................................................. undersigned specification no. ................................................................., dated ............................................., M/s ...........................................................(thereafter called the Bidder) we, the ............. ................. (the Bank) submit the said Bank Guarantee on the following terms & conditions: -

Whereas to participate in the said tender for the following:

.................................................................

.................................................................
It is a condition in the tender documents that the Bidder has to deposit Earnest Money amounting to Rs.…………………. (Rupees…………………………………..) with respect to the tender with M/s TENUGHAT VIDYUT NIGAM LIMITED (hereinafter referred to as “Nigam”) by a Bank Guarantee from a Nationalized/ Scheduled Bank irrevocable and operative till 06 (six) months from the last date of bid submission for the like amount which is likely to be forfeited on the happening of contingencies mentioned in the tender documents.

We ________________ Bank agree that the Nigam shall be the sole judge as to whether the said Bidder has failed / neglected in performing any of the terms and conditions of the said contract and the decision of the company in this behalf shall be final and binding on us.

We the said Bank further agree that the Guarantee herewith contained shall remain in full force and effect up to _______________ and any claim received after the said date shall in no case bind on the Bank.

The right of the Nigam to recover the said amount of Rs.……………………… (Rupees…………………………………..) from us in manner aforesaid will not be precluded/affected even, if disputes have been raised by the said M/s.…………………………..(Bidder) and /or dispute or disputes are pending before any authority, office, tribunal and /or arbitrator (s) etc.

We ________________ Bank lastly undertake not to revoke this guarantee during its currency except with the previous consent of the Nigam, in writing.

The Bank has under its constitution, power to give this guarantee and Mr. Manager, who has signed it on behalf of the Bank, has authority to do so.

This Bank Guarantee will not be discharged due to the change in the constitution of the Bank or the Bidder.

Dated, this _____________day of ___________ 2018 _______

Signature of the authorized person

For and on behalf of the Bank

Name:

Designation:

Place : _____________________

(With Bank’s Rubber Stamp)

Attorney as per power of Attorney No:
Dated:

Witness

Signature:

Name:

Official address
BANK GUARANTEE FOR SECURITY DEPOSIT

(TO BE STAMPED IN ACCORDANCE WITH STAMP ACT)

(TO BE ISSUED BY ANY NATIONALISED/SCHEDULED BANK AUTHORISED BY RBI TO ISSUE A BANK GUARANTEE)

Ref:

Bank Guarantee No:

Date:

To,
Tenughat Vidyut Nigam Limited
Hinoo, Doranda
Ranchi.

Dear Sir,

In consideration of M/s. Tenughat Vidyut Nigam Limited having its Registered Office at Hinoo, Doranda, Ranchi:834002 hereinafter called "the Nigam" which expression shall unless repugnant to the subject context or meaning thereof includes its successors administrators and assigns (having agreed under the terms and conditions contained in letter no ______________ dated ______________ issued in favour of M/s _________________ for (hereinafter referred to as "the contract" to accept the deed of guarantee as herein provided for Rs _________________ from the Nationalized Bank as Security Deposit: to be made by M/s _________________ (hereinafter called "the Consultant") for the due fulfilment of the terms and conditions contained in the said contract by the consultant, we the _________________ Bank (hereinafter referred to as the said Bank) having its Registered Office at _______________ do hereby undertake and agreed to pay the Nigam to the extent of Rs. _________________ on demand stating that the amount claimed by the Nigam is due and payable by the consultant for the reasons of failure/ negligence in performing the terms and conditions contained in the contract, and to unconditionally pay the amount claimed by the Nigam on demand without any demurrages to the extent aforesaid.

(i) We ________________ Bank agree that the Nigam shall be the sole judge as to whether the said consultant has failed / neglected in performing any of the terms and conditions of the said contract and the decision of the Nigam in this behalf shall be final and binding on us.

(ii) We the said Bank further agree that the Guarantee herewith contained shall remain in full force and effect up to _______________ and any claim received after the said date shall in no case bind on the Bank.
(iii) We ________________ Bank do hereby undertake to pay the amounts due and payable under the guarantee: without any demurrages, reservation, contest, recourse or protest or without any reference to the consultant merely on a demand from the Nigam stating that the amount claimed is due; by way of loss or damage caused to or would be caused to or suffered by the Nigam by reason of any breach by the said Consultant of any terms or conditions contained in the said contract or by reason of the Consultant’s failure to the said contract. Any such demand made on the Bank shall be conclusive as regards the amount dues and payable by the Bank under this guarantee. We shall not withhold the payment on the ground that the Nigam has disputed its liability to pay or has disputed the quantum of the amount or that any arbitration proceeding or legal proceeding is pending between Nigam and the Consultant regarding the claim. However, our liability under this guarantee shall be restricted to an amount not exceeding ____________.

(iv) We ____________ Bank further agree that the guarantee herein contained shall come into force from the date hereof and shall remain in full force and effect during the period that would be taken for the performance of the said contract and that it shall continue to be enforceable till all the dues of the Nigam under or by virtue of the said contract have been fully paid and its claims satisfied or Nigam certifies that the terms and conditions of the said contract have been fully and properly carried out by the said Consultant and accordingly discharges the guarantee. Unless a demand or claim under this guarantee is made on us in writing on or before the ________ (date to be given) ____________ (months from the date of the Bank Guarantee) we shall be discharged from all liability under this guarantee thereafter.

(v) We Bank further agree with said Nigam that the Nigam shall have the fullest liberty without our consent and without affecting in any manner / agreement or to extend time of performance by the said Consultant from time to time or to postpone for any time or from time to time an any of the powers exercisable by the Nigam against the said Consultant and to forbear or enforce any of the terms and conditions relating to the said contract and we shall not be relieved from our liability by reason of any such variation or extension being granted to the said Consultant or for any forbearance, act or omission on the part of the Nigam or any indulgence by the Company, to the said Consultant or by any such matter or thing whatsoever which under the law relating to sureties would but for this provision have effect of so relieving us. The Bank further agnates that in case this guarantee is required for a longer period and it is not extended by the said Consultant beyond the period specified above, the Bank shall
pay to the Nigam the said sum of Rs.______________ (specify the amount or such lesser sum as may then be due to the Nigam and as the Nigam may demand.

(vi) We _____________Bank lastly undertake not to revoke this guarantee during its currency except with the previous consent of the Nigam, in writing.

(vii) The Bank has under its constitution, power to give this guarantee and Mr. Manager, who has signed it on behalf of the Bank, has authority to do so.

(viii) This Bank Guarantee will not be discharged due to the change in the constitution of the Bank or the Consultant.

Dated, this __________day of __________  2018________

Signature of the authorized person

For and on behalf of the Bank

Name:

Designation:

Place : _________________

(With Bank’s Rubber Stamp)

Attorney as per power of Attorney No:

Dated:

Witness

Signature:

Name:

Official address: