TENUGHAT VIDYUT NIGAM LIMITED
(A GOVT. OF JHARKHAND UNDERTAKING)
HINOO, DORANDA, RANCHI-834002

TEL: 0651- 6900241 , 6900250, 6900256

Website: www.tvnlonline.com

CST NO:229C	TIN NO:200992201429	PAN NO:AACCT1197L

NIT No. - 39/BM/W/TVNL/RAN/2016-17

Due on - 17-11-2016 at 14:00 Hrs

TENDER DOCUMENT

SUBJECT: Round the clock running operation & maintenance of Ash Handling System of 2 x 210 MW Units at TTPS, Lalpania.

TENUGHAT VIDYUT NIGAM LIMITED

तेनुघाट विद्युत निगम लिमिटेड

(A GOVT. OF JHARKHAND UNDERTAKING)

HINOO, DORANDA, RANCHI-834002, JHARKHAND

Ref No. - 1028 /16-17 Dated 20-10-2016

NOTICE INVITING TENDER

NIT No. - 39/BM/W/TVNL/RAN/2016-17.

On behalf of Tenughat Vidyut Nigam Limited (TVNL), Ranchi sealed tenders in two parts (Part-I Technical & Commercial Bid, Part-II Price Bid) containing three envelopes A, B & C (Requisite cost of Tender Document & Earnest Money of specific value in envelope 'A', Technical & Commercial Bid in envelope 'B' and Price Bid in envelope 'C') are invited from experienced, reputed and financially sound firms for Annual Maintenance Contract (AMC) for Round the clock running operation & maintenance of Ash Handling System of 2 x 210 MW Units at TTPS, Lalpania, Dist. Bokaro, Jharkhand, the details of which are as follows:

Description of Work	**Round the clock running operation & maintenance of Ash Handling System of 2 x 210 MW Units at TTPS, Lalpania.**
Estimated Cost for two years (Rs.)	Rs. 96,70,003.00 (Rupees Ninety six lakhs seventy thousand three) only plus Service Tax extra.
Cost of Tender Documents (Non Refundable)	Rs. 10,000/- (Rupees Ten thousand) only.
Amount of EM to be deposited in the form of DD/BG	Rs. 1,93,500/- (Rupees One lakhs ninety three thousand five hundred) only.
Downloading of Tender Paper	From **21-10-2016**
Last Date & Time for receipt of Tender Paper	**17-11-2016** , upto 14:00 Hrs.
Date & Time of Opening of Part-I of Tender	**17-11-2016** , at 16:00 Hrs.
Place of submission of bid documents and address for communication	Electrical Superintending Engineer (C&M – I), Tenughat Vidyut Nigam Limited, Hinoo, Ranchi-834002.

1. The Bidder should have the following Qualifying Requirements (QR):

a. The Tenderer shall have to submit proof of experience of carrying out Operation and Maintenance Contract in any Utility System of Thermal Power Plant not less than 210 MW unit capacity.

b. The average annual turnover of the bidder, in the preceding 03 (three) financial years of bid opening shall not be less than 30% of estimated value.

c. The tenderer should submit authenticated copies of Profit & Loss and Balance sheet of last three financial years. In case where audited results for the last financial year are not available, certification of financial statements from a practicing Chartered Accountant shall also be considered.

d. The tenderer is required to submit copy of successfully executed work order similar job in Thermal Power Station of unit capacity 210 MW or above during last three years as :

i. Single order of 80% of the estimated cost.

OR

ii. Two orders each not less than 50% of the estimated cost.

OR

iii. Three orders each not less than 40% of the estimated cost.

Similar order means work executed by the bidder in past in respect to Annual Maintenance Contract for Round the clock running operation & maintenance in any Utility System of Thermal Power Plant not less than 210 MW unit capacity shall be treated as similar work.

e. The tenderer must have valid Service Tax Registration, P. F. Code No. and Ownership/Partnership deed.

f. The bidder should have financial credibility/ capacity of at least 10% of estimated cost. Bidder may be submit Bank Solvency Certificate of any Indian Nationalized / Scheduled Commercial Bank in support of their financial credibility /capacity.

2. The tender document is to be downloaded from the TVNL website www.tvnlonline.com. The cost of tender document shall be deposited at the time of submission of tender paper in the shape of Bank Draft issued by any Nationalized/Scheduled Bank in favour of "TENUGHAT VIDYUT NIGAM LIMITED" payable at Ranchi. Tender shall not be considered without cost of tender document. Any type of tempering/alteration with tender document shall not be allowed and offer, if submitted so, will be summarily rejected.

3. 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 'A' failing which offers are liable for rejection.EMD may be furnished in the form of Demand Draft/ Bank Guarantee from any Indian Nationalized Bank/ Schedule Commercial Bank in favour of "TENUGHAT VIDYUT NIGAM LIMITED" payable at Ranchi. The Bank Guarantee should remain valid for 12 months.

4. 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.

5. Any corrigendum/Addendum/Extension of bid opening date and cancellation of NIT will be published through our website www.tvnlonline.com only and not through newspaper. The bidders are requested to visit our website regularly for any addendum/corrigendum/extension till opening of NIT.

6. 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.

7. The undersigned reserves the right to reject any or all tenders or to distribute the job among the bidders without assigning any reason thereof.

Sd/-
(R. Ranjan)
Electrical Superintending Engineer (C&M)

TENUGHAT VIDYUT NIGAM LIMITED
HINOO, DORANDA, RANCHI-834002

BILL OF QUANTITY **PART- I (TECHNICAL& COMMERCIAL)**

NIT No. - 39/BM/W/TVNL/RAN/2016-17

Sub: Round the clock running operation & maintenance of Ash Handling System of 2 x 210 MW Units at TTPS, Lalpania.

S.N.	Particulars	Details to be furnished by the Bidder (Enclose separate sheets if required)	Flag No.	Page No.
1.	Name of the Bidder (Enclose Letter Head of firm)		I	
2.	Address of Bidder with Telephone, Fax, E-mail		II	
3.	Name of the Proprietor/ Head of the Firm and its key personnel with organizational chart giving details of qualification and experience etc.		III	
4.	Details of maintenance set up with resources like permanent employees (with designation & strength), tools & tackle and other equipment with capacities		IV	
5.	Name and Qualification of the site-in-charge		V	
6.	Work Experience of Bidder (Attach copy of work order of similar work and its successful completion certificate during last five years as per Sl. No. 1.d of QR)	Work Order No..... Dated..... Completion Certificate Dated..... Work Order No..... Dated..... Completion Certificate Dated..... Work Order No..... Dated..... Completion Certificate Dated.....	VI	
7.	Financial Credibility/ Capacity (Attach Bank Solvency Certificate)		VII	

8.	Average annual financial turnover of bidder during the last 03 years (Attach audited Balance Sheet & P/L Account for last three years ending 31st March, 2016)	Average annual financial turnover of bidder during the last 03 (three) years Rs..... Annual Turnover FY 2015-16: Rs..... FY 2014-15: Rs..... FY 2013-14: Rs.....	VIII	
9.	Name & Designation of Authorized Signatory (Attach Power of Attorney if applicable)		IX	
10.	Nature of Firm (Proprietorship/Partnership /Pvt. Ltd./Public Sector) (Attach proof)		X	
11.	Permanent Account Number (PAN) (Attach proof)		XI	
12.	Service Tax Registration Number (Attach proof)		XII	
13.	Sales Tax/Value Added Tax Registration Number / TIN (Attach proof)		XIII	
14.	Labour License No. (Attach copy of registration)		XIV	
15.	EPF. Code No. (Attach copy of registration)		XV	
16.	Character Certificate of the Head of the Firm issued within last six month from due date of NIT. (Issued by the Officer not below the rank of Magistrate)		XVI	
17.	Particulars of Earnest Money (DD No. /BG No. & Date)		XVII	
18.	Particulars of Cost of Tender Document(BOQ) (DD No. & Date)		XVIII	
19.	Details required for ERP Vendor Coding:- a. Name of firm : b. Address : PIN:		XIX	

	c. E-mail ID : d. Phone No. : e. Name of Contact Person: f. TIN No : g. CST No. : h. Service Tax No: i. PAN No : Details required for EMD Refund through RTGS/NEFT :- j. Bank Name : k. Branch : l. Branch Code : m. A/c. No. : n. IFS Code : o. MICR Code :			
20.	Enclose cancelled cheque of the concerned Firm :		XX	
21.	Other details and remarks, if any		XXI	

(Signature & Seal of Bidder)

TENUGHAT VIDYUT NIGAM LIMITED
HINOO, DORANDA, RANCHI-834002

NIT No. - 39/BM/W/TVNL/RAN/2016-17

Sub: Round the clock running operation & maintenance of Ash Handling System of 2 x 210 MW Units at TTPS, Lalpania.

GENERAL TERMS & CONDITIONS

1. **Validity of Offers:** The bid submitted by the bidders should remain valid for a minimum period of 120 days from the date of opening of Part-I unless otherwise specified.

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 and get satisfied with scope of work for which rates are to be quoted. Engineer -in -charge may be consulted for any clarification regarding scope of work and terms of tender. Bidder should go through the terms and conditions 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, terms and 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 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 **Part–II (Price Bid)** should be sealed in an envelope super scribed with NIT No., "Part – II Price Bid", Name and address of the bidding firm, and should be addressed to ESE (C&M), Tenughat Vidyut Nigam Limited, Hinoo, Ranchi-834002. The rate to be quoted in price part (Part-II) 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. Complete tender or tenders not submitted as per requirement as indicated in the NIT are likely to be rejected.
   g. Bidders shall submit their offer 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. **Earnest Money Deposit (EMD):** Offers shall be accompanied with Earnest Money Deposit (EMD) of requisite value as specified in a separate envelope failing which offers are liable for rejection. EMD may be furnished in the form of Demand Draft/ Bank Guarantee from any Indian Nationalized Bank/Schedule Commercial Bank in favour of "TENUGHAT VIDYUT NIGAM LIMITED" payable at Ranchi. The Bank Guarantee should remain valid for 12 months. 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 agreement after the award is made by TVNL to the bidder. Further the Bidders Bank details alongwith cancelled cheque of the firm is required for refund of EMD through RTGS/NEFT for unsuccessful bidders.

6. **Security Deposit:** The successful bidder shall have to deposit total security deposit @ **10%** of order value in which initial security money **@5%** of the order value (including earnest money which will be retained as security money) before executing the agreement. Initial security money will be accepted as Bank Draft/ Bank Guarantee in the prescribed format not adjustable against running bill. Balance **5%** of security money will be deducted from R/A bills. The security money will be released after successful completion of work and closure of contract.

7. **Payment Terms:** Payment of Contractor will be made through monthly running bills which will be verified by Engineer - in - Charge after successful completion of the work and payment of wages to the employee by the Contactor. The monthly bill in triplicate will be submitted by the Contractor to the Engineer –in –Charge latest by 5th of the every month. The contractor shall produce documentary evidence of previous month in support of deposit of EPF & service tax before release of payment.

8. **Paying Authority:** The Accounts Officer, TTPS, Lalpania will be the Paying Authority.

9. **Engineer-in-Charge**: Concerned Electrical Executive Engineer will be the Engineer-in-Charge for this work. The works are to be executed as per direction of Engineer-in-Charge. Anything not mentioned here in shall be decided by the concerned Electrical Executive Engineer, In charge of the work and shall be binding on the contractor.

10. **Period of Contract:** The period of contract shall be 02 (two) years from the date as shall be mentioned in the work order. If the services rendered have been found satisfactory, period of contract may be extended further as per requirement of site.

11. **Safety Measures:** The Contractor shall observe all the safety measures. Safety appliances have to be arranged by the Contractor at his own cost. Any compensation payable to the Contractor's employee in the event of accident or causality has to borne by the Contractor himself and TVNL will not be responsible on this accounts in any way. In case of any damage due to negligence mishandling and mal operation by the staff of contractor, the damage would be made good by the contractor at his/own own cost. In case of non compliance, proportionate deduction will be made from the bills of the contractor.

12. **Scope of the work**: Scope of the work is attached here as a guideline to execute the work. However contractor has to execute all the work as per direction of Engineer-in-Charge for proper working of equipments.

13. **Agreement:** The firm or his legally authorized representative having Power of Attorney will have to execute an agreement with the ordering authority within 25 days of issue of 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, Performance Guarantee etc. as per order will have to be furnished well before execution of agreement. The contractor is required to produce all original paper and documents for verification before agreement failing which order will be cancelled. Contractor will not be allowed to start the work without executing the agreement.

14. **Jurisdiction of Court:** Any dispute between the Contractor and TVNL shall be settled in the civil court, at Ranchi, Jharkhand only.

15. **Labour Laws:** The bidder has to follow the guidelines laid under the labour law, workmen compensation, and EPF rules in respect of minimum wages, EPF payment and other service condition. In the event of any accident / casualty to the employees of contractor, the compensation payable to the employees is to be borne by the contractor and TVNL will not be responsible in any way.

16. **Minimum Wage Guarantee:** The contractor shall strictly ensure that the minimum wages as stipulated by GoJ from time to time is paid to their workmen. Any increase in minimum wages during the period of contract, will have to be paid to their workmen without any claim on TTPS/TVNL. If the contractor fails to comply with guarantee of minimum wages then the agreement is liable to be terminated and security money may be forfeited.

17. **Taxes:** All statutory taxes as applicable shall be deducted from each running bill of contractor.

18. **Violation of Terms & Conditions of Tender:** All terms and conditions of tender shall form a part of the contract. If contractor 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 money shall be forfeited.

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

20. **Competent Authority:** Managing Director TVNL reserves the right to extend the due date and to reject any/ all the tenders or to increase / reduce/ distribute 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 contractor, the decision of General Manager cum Chief Engineer Tenughat TPS will be final and binding.

21. **Man Power:** A list of manpower arranged by the contractor should be submitted to Engineer -in –Charge of the work before deployment and same should be deployed with due permission of Engineer -in -Charge. If the performance of the deployed person is not found up to the mark at any time, the contractor will have to replace them with experience and suitable person. During the period of absence of contractors personnel TVNL will have right to deduct penalty from contractor's bill.

22. **Tools & Tackles:** The contractor should have to arrange minimum of minor and special tools & tackles as per scope of work whereas heavy tools like hydra crane will be arranged by TTPS if available as per request of contractor.

23. **Consumables:** The contractor has to provide all consumables like gas, electrodes, cotton waste, markin cloth, rustolin, K-Oil, Petrol/Diesel and abrasive materials at their own cost, if required and applicable. Other consumables like gaskets, gland packing, asbestos rope, 'O' ring etc. shall be supplied by TTPS/TVNL free of cost, if applicable.

24. **Site Cleaning:** The Contractor must keep clean the working area after completion of the job. Waste materials and garbage shall be disposed off by the contractor at suitable place as per the instruction of the Engineer-in-Charge. Old unserviceable spare parts if so, has to be returned by the contractor to the Central Store/Site Store of TTPS as per the instruction of the Engineer-in-Charge.

25. **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. The contractor shall be allowed to avail the facilities to extent available at our Chemical Lab at TTPS.
    c. Guest house facility shall be provided to the visiting engineers/officers of the Contractor on chargeable basis if available.
    d. Unfurnished accommodation may be provided to the employees of the Contractor, if available during the period of execution of work in TTPS Township on rental basis as per departmental rule.
    e. Electricity will be provided on chargeable basis as per JSEB Tariff.
    f. Medical facility as available at project site shall also be extended to the employee of the contractor. No payment will be made for any medicine purchased from outside or any treatment or test done outside the TTPS Hospital.

26. **Working Administration:** In general working hours of the TTPS employee will be the working hours of employee of Contractor. However in case of emergency or as per requirement of the job, contractor's employees will be required to work beyond working hours and also on rest days and holidays on the direction of Engineer -in –Charge. Employees deployed by the contractor will be under the operational control of Engineer -in –charge. In case of any employee working in shift/general duty falling sick or proceeding on leave the facts shall be brought to the knowledge of Engineer -in –Charge and deficit will be made by the contractor either by the existing staff by performing overtime duty or getting other manpower without adding any additional cost to the Project. If the shift remains vacant the penalty will be deducted from the contractor's bill. It shall be binding on contractor that it does not directly or through its personnel divulge the secrecy of the establishment of TTPS. Any person deployed by contractor will not be a member of any trade union operating in the TTPS Projects establishment or outside. They will not take part in any strike or sympathized with any such movement.

27. **Penalty:** In case of any breakdown, fault or emergency maintenance, the contractor has to attend the same without any delay. In case of failing or deliberated neglect, the work will be carried out through outside agency at the cost & risk of the contractor and this may be liable for termination of their contract.

28. **Departmental Facilities:** In case of major repair of equipments and testing of special equipments contractor should have to provide services of an expert from manufacturer and special tools & tackles. The contractor will also provide all other technical staffs and T&P's consumables etc. free of cost. However, all spares parts shall be provided by TVNL on free of cost.

29. **Transportation:** Successful bidder will be required to arrange his own conveyance for their employee for attending their duties. However, in case of emergency call during night, transport available may be provided by TTPS.

30. **Mobilization Time:** The successful bidder will be given maximum one month time from the date of LOI/Work Order for mobilization of resources, manpower and enter in to agreement and starting the work. The contractor failing to enter in to agreement and start the work within one month will lose the work order and earnest money/security money and work will be allotted to L2, L3…..bidder if they agree.

(Signature & Seal of Bidder)

TENUGHAT VIDYUT NIGAM LIMITED
HINOO, DORANDA, RANCHI-834002

NIT No. - 39/BM/W/TVNL/RAN/2016-17

Sub: Round the clock running operation & maintenance of Ash Handling System of 2 x 210 MW Units at TTPS, Lalpania.

SCOPE OF WORK

1. Round the clock operation of the plant for Ash Handling and Ash Disposal System for Unit No. I & II in three shift deploying adequate experienced Engineers, Supervisor, Operators, Technicians and other staffs. The work will be carried out as per schedule and procedure laid down by the site in charge from time to time.

2. Routine and Running Maintenance of all equipments, pumps, valves, drives, pipes and all connected system for leakages, maintenance of equipments history register detailing running hours, maintenance job details, spares consumed etc. will be maintained.

3. Minor and major maintenance work of Ash Handling and Ash Disposal Systems and when required.

4. Preventive maintenance of equipments and connected system during idle period of the particular equipment.

5. Monitoring performance of difference components of Ash Handling Plant and to take effective measures to overcome likely shortfall in performance.

6. Furnishing of adequate technical back up from your Head Office and visits to the site of their senior engineers periodically to ensure trouble free smooth operation and maintenance of the system.

7. To start and complete the de-ashing work every day in each shift and to inform the shift – in – charge/ Unit control Engineer about it and to record any specific defect noticed during de-ashing in the co – ordination register of the U.C.R. Unit No. I & II.

8. To maintain the daily log book for shift wise plant operation which will include evacuation of fly ash hoppers, removal of bottom ash, coarse ash and disposal of ash slurry. A copy of shift wise observation report will be submitted to the shift charge engineer/ unit control engineer by the contractor.

9. Cleaning of plant area, trenches sumps, culverts and drains etc will generally be done by TVNL, However, contractor will clear the ash/debris if it is due to the fault of the contractor. Any accumulation of ash slurry due to spillage from trays/ leakage from pipes and due to grounding of fly ash of hoppers due to defect in Ash Handling System shall be removed and cleaned by the contractor.

10. Any other work not specifically mentioned above but forming part of maintenance with the instruction of Engineer – in – charge.

(Signature & Seal of Bidder)

TENUGHAT VIDYUT NIGAM LIMITED
HINOO, DORANDA, RANCHI-834002.

BILL OF QUANTITY **PART – II (PRICE PART)**

NIT No. - 39/BM/W/TVNL/RAN/2016-17

Sub: Round the clock running operation & maintenance of Ash Handling System of 2 x 210 MW Units at TTPS, Lalpania.

S. N.	Name of the work	Quoted Amount (In Rs.) for one year Both in Figure & Words
1.	**Annual Maintenance Contract (AMC) for Round the clock running operation & maintenance of Ash Handling System of 2 x 210 MW Units at TTPS, Lalpania**.	
2.	Service Tax	Extra as applicable.

Note:

1. The quoted/agreed amount of successful bidder to whom work order will be awarded will remain firm for one years. No extra payment will be made against increase in VDA and increase of wages of manpower during the contract period of one year.

2. However, service tax will be paid extra as applicable on monthly basis.

(Signature & Seal of Bidder)