RAJIV GANDHI THERMAL POWER PLANT
(A Unit of Haryana Power Generation Corporation Limited)
(Regd. Office: C-7, Urja Bhawan, Sector-6, Panchkula)
Corporate Identity No. U45207HR1997SGC033517
Website:-www.hpgcl.org.in, Email ID: rkm.kumar@hpgcl.org.in Mob. No. 9315164617

(An ISO 9001, 14001 & OHSAS 18001 Certified Company)

TENDER DOCUMENT

FOR

Annual Running Contract For Thermal Insulation Works pertaining
 to Turbine, Boiler and it’s auxiliary of 600 MW, Unit-I & II, RGTPP,
Khedar, Hisar

NIT No. 07/CH-13/RGTPP/TGM-II/139 VOL-III
Dated:15.11.2017

XEN/TGM-II
FOR CHIEF ENGINEER/RGTPP,
RAJIV GANDHI THERMAL POWER PLANT,
HPGCL, KHEDAR, HISAR.
Tel. no. - 01693-250556
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ONLINE NOTICE INVITING TENDER

E-tenders in two parts are invited on behalf of CE/RGTPP, Haryana Power Generation Corporation Limited (HPGCL) Khedar, Hisar from eligible parties, for Annual Running contract for providing the Thermal Insulation Works pertaining to Turbine, Boiler and it’s auxiliary of 600 MW, Unit-I & II, RGTPP, Khedar, Hisar.

Tender Enquiry No. | NIT No.07/CH-13/RGTPP/TGM-II/139 VOL-III Dated: 15.11.2017
--- | ---
Description of Work | Annual Running Contract For Thermal Insulation Works pertaining to Turbine, Boiler and it’s auxiliary of 600 MW, Unit-I & II, RGTPP, Khedar, Hisar.
Earnest Money | Rs. 76,000/- (Rupees Seventy Six Thousand only)
Period of Contract | One year (extendable to further three months)
Cost of Tender documents (Non-refundable) | Rs.1000/- (Rs. One Thousand only) + Taxes Extra
E-services fees (Non-refundable) | Rs. 1000/-

Information Regarding Online Payment of Tender Document, eService & EMD Fee.

1. The Bidders can download the tender documents from the Portal: https://haryanaeprocurement.gov.in.
2. The Bidders shall have to pay for the Tender documents, EMD Fees & e-Service Fee online by using the service of secure electronic payment gateway. The secure electronic payments gateway is an online interface between contractors and online payment authorization networks. The Payment for Tender Document Fee and eService Fee can be made by eligible bidders/ contractors online directly through Debit Cards & Internet Banking Accounts and the Payment for EMD can be made online directly through RTGS / NEFT. For online payments, Home page of the e-tendering portal https://haryanaeprocurement.gov.in may be referred.

Note:-

a. If the tenders are cancelled or recalled on any grounds, the tender document fees & e-service fee will not be refunded to the agency.

b. Those agency who are exempted from EMD, should submit proof of related documents at least 10 days before end date of “Downloading of Tender Documents & Bid Preparation” stage to publisher of the tender i.e. concerned Executive Engineer.

The following are exempted from depositing the earnest money:-

a. Public Sector Undertakings of the Central/ Haryana State Government.
b. Firms borne on D.G.S. & D/DS&D Haryana rate contracts.
c. Firms registered with the Director of Industries, Haryana or registered with National Small Industries Corporation, Govt. of India. The Tenderer can submit their tender documents (Online) as per the dates mentioned in the key dates:

<table>
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<tr>
<th>Sr. No.</th>
<th>Department Stage</th>
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<th>Start date and time</th>
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<td>1.</td>
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<td>Downloading of Tender Documents &amp; Bid Preparation</td>
<td>15/11/2017 17:30 Hrs.</td>
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<td>Submission of bid documents</td>
<td></td>
<td>15/11/2017 17:30 Hrs.</td>
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<td>3.</td>
<td>Technical Bid Opening (Part-1)</td>
<td></td>
<td>14/12/2017 15:30 Hrs.</td>
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<td>4.</td>
<td>Short listing of Technical bids &amp; Opening of Price/ Financial Bid</td>
<td></td>
<td>Will be intimated to the firms on their E-mail</td>
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</table>
INSTRUCTIONS TO BIDDER ON ELECTRONIC TENDERING SYSTEM

These conditions will over-rule the conditions stated in the tender documents, wherever relevant and applicable.

1. **Registration of bidders on e-Procurement Portal:**

   All the bidders intending to participate in the tenders processed online are required to get registered on the centralized e-Procurement Portal i.e. [https://haryanaeprocurement.gov.in](https://haryanaeprocurement.gov.in). Please visit the website for more details.

2. **Obtaining a Digital Certificate:**

   The Bids submitted online should be encrypted and signed electronically with a Digital Certificate to establish the identity of the bidder bidding online. These Digital Certificates are issued by an Approved Certifying Authority, by the Controller of Certifying Authorities, Government of India.

   A Digital Certificate is issued upon receipt of mandatory identity (i.e. Applicant’s PAN Card) and Address proofs and verification form duly attested by the Bank Manager / Post Master / Gazetted Officer. Only upon the receipt of the required documents, a digital certificate can be issued. For more details please visit the website – [https://haryanaeprocurement.gov.in](https://haryanaeprocurement.gov.in).

   The bidders may obtain Class-II or III digital signature certificate from any Certifying Authority or Sub-certifying Authority authorized by the Controller of Certifying Authorities or may obtain information and application format and documents required for the issue of digital certificate from:

   **M/s Nextenders (India) Pvt. Ltd.**
   O/o. DS&D Haryana,
   SCO – 09, 2nd Floor,
   Sector – 16,
   Panchkula – 134108
   E-Mail: Chandigarh@nextenders.com
   Help Desk: 1800-180-2097 (Toll Free Number)

   Bid for a particular tender must be submitted online using the digital certificate (Encryption & Signing), which is used to encrypt the data and sign the hash during the stage of bid preparation & hash submission. In case, during the process of a particular tender, the user loses his digital certificate (due to virus attack, hardware problem, operating system or any other problem) he will not be able to submit the bid online. Hence, the users are advised to **keep a backup of the certificate** and also keep the copies at safe place under proper security (for its use in case of emergencies).

   In case of online tendering, if the digital certificate issued to the authorized user of a firm is used for signing and submitting a bid, it will be considered equivalent to a no-objection certificate/power of attorney /lawful authorization to that User. The firm has to authorize a specific individual through an authorization certificate signed by all partners to use the digital certificate as per Indian Information Technology Act 2000. Unless the certificates are revoked, it will be assumed to represent adequate authority of the user to bid on behalf of the firm in the department tenders as per Information Technology Act 2000. The digital signature of this authorized user will be binding on the firm.

   In case of any change in the authorization, it shall be the responsibility of management / partners of the firm to inform the certifying authority about the change and to obtain the digital signatures of the new person / user on behalf of the firm / company. The procedure for application of a digital certificate however will remain the same for the new user.
The same procedure holds true for the authorized users in a private/Public limited company. In this case, the authorization certificate will have to be signed by the directors of the company.

Bidders participating in online tenders shall check the validity of his/her Digital Signature Certificate before participating in the online Tenders at the portal https://haryanaeprocurement.gov.in.

For help manual please refer to the ‘Home Page’ of the e-Procurement website at https://haryanaeprocurement.gov.in, and click on the available link ‘How to …….?’ to download the file.

Before submitting tenders the instructions may be read carefully regarding submission of tender. If any bidder finds discrepancies or omissions in the tender documents or is in doubt as to the true meaning of any part, he shall clarify same from tender issuing office in writing before the due date of submission of the bid. No arguments on this account whatsoever shall be entertained after the last date & time of submission of tenders.

3. **Opening of an Electronic Payment Account:**
   Tender document can be downloaded online. Bidders are required to pay the tender documents fees online using the electronic payments gateway service. For online payments guidelines, please refer to the Home page of the e-tendering Portal https://haryanaeprocurement.gov.in.

4. **Pre-requisites for online bidding:**
   In order to bid online on the portal https://haryanaeprocurement.gov.in, the user machine must be updated with the latest Java. The link for downloading latest java applet is available on the Home page of the e-tendering Portal.

5. **Online Viewing of Detailed Notice Inviting Tenders:**
   The bidders can view the detailed N.I.T and the time schedule (Key Dates) for all the tenders floated through the single portal e-Procurement system on the Home Page at https://haryanaeprocurement.gov.in.

6. **Download of Tender Documents:**
   The tender documents can be downloaded free of cost from the e-Procurement portal https://haryanaeprocurement.gov.in.

7. **Key Dates:** The bidders are strictly advised to follow dates and times as indicated in the online Notice Inviting Tenders. The date and time shall be binding on all bidders. All online activities are time tracked and the system enforces time locks that ensure that no activity or transaction can take place outside the start and end dates and the time of the stage as defined in the online Notice Inviting Tenders.
   If bidder fails to complete the Online Bid Submission stage on the stipulated date and time, his/her bid will be considered as bid not submitted, and hence not appear during tender opening stage.

8. **Bid Preparation (Technical & Financial) Online Payment of Tender Document Fee, eService fee, EMD fees and Submission of Bid Seal (Hash) of online Bids:**
   The bidders shall have to pay for the Tender document fee, EMD fees & eService Fee (Rs. 1000/-) online by using the service of secure electronic payment gateway. The secure electronic payments gateway is an online interface between contractors and online payment authorization networks. The Payment for Tender Document Fee and eService Fee can be made by eligible bidders/ contractors online directly through Debit Cards & Internet Banking Accounts and the Payment for EMD can be made online directly through RTGS / NEFT.
The bidders shall **upload** their technical offer containing documents, qualifying criteria, technical specification, schedule of deliveries, and all other terms and conditions except the rates (price bid) in the part-I (Technical envelope).

The bidders shall **quote** the prices in price bid format.
Submission of bids will be preceded by submission of the digitally signed & sealed bid (Hash) as stated in the time schedule (Key Dates) of the Tender.

9. **Tender Closing:**
   a. If bidder fails to complete the Online Bid Submission stage on the stipulated date and time, his/hers bid will be considered as bid not submitted, and hence not appear during tender opening stage.
   b. From the starting date of tender downloading to final date of submission of bid, the bidder can rework on his bid number of times he wants. If bidder submits the revised bid including price bid, original bid will automatically deleted and this revised bid will become original bid. No revised bid will be submitted after Part-I (Technical Bid) is opened.
   c. Complete bid will only be submitted after realization of tender document’s fee and EMD.
   d. Bidders participating in online tenders shall check the validity of his/her Digital Signature Certificate before participating in the online Tenders at the portal [http://haryanaeprocurement.gov.in](http://haryanaeprocurement.gov.in). For help manual please refer to the ‘Home Page’ of the e-Procurement website at [https://haryanaeprocurement.gov.in](https://haryanaeprocurement.gov.in), and click on the available link ‘How to..?’ to download the file.

    -sd-
    XEN/TGM-II
    For Chief Engineer/RGTPP,
    HPGCL, Khedar, Hisar.
GENERAL INSTRUCTIONS TO THE BIDDERS

1. Pre-Qualifying Requirements (PQRs) / Eligibility Conditions for the tenderers: -

The tender documents will only be accepted for those who qualify the following criterion:-

i. The Bidders must have experience of having successfully executed the work order of Thermal Insulation work of turbine & its auxiliary and boiler & its auxiliary in HPGCL/NTPC/Any SEBs/Any PSUs/Any Corporations/Central Govt/State Govt/Semi Govt or in any Thermal Power Station of minimum capacity of 110MW or above during last five years ending 31.10.2017 and having minimum order value without taxes as under:
   - Single Order of the value not less than Rs. 30,29,260/-. OR
   - Two Orders of the value not less than Rs. 18,93,287/- each. OR
   - Three Orders of the value not less than Rs. 15,14,630/- each.

ii. Bidder must have average annual turnover in last three consecutive financial years ending 31.03.2017 shall not be less than Rs.37,86,574/-. 

iii. The contractor should have registered under Contract Labour (Regulation & Abolition) Act, 1970 and possesses a valid labour license for deploying the workers on the work or will obtain the same within 15 days of issuance of work order.

iv. The firm should have PAN No., EPF code registration No. & GST No.

v. The firm should submit a certificate that the firm is not blacklisted in last 05 years in any organization.

vi. The work order value referred above is exclusive of all taxes and duties.

Note: -

a) If the bidder has a work order for a period of more than one year, the period and the proportionate value of the order which have been completed up to 31.10.2017 (duly supported by successful completion/execution certificate for such period/value) shall be taken into consideration for assessing the eligibility criteria.

b) The firm has to submit the copy of work orders executed by them along with completion/performance certificate or copy of the repeated work orders from the same agency/enterprises/power plant etc. duly attested in support of qualifying condition and as a proof of satisfactory execution of work.

c) Average Annual Turnover = Sum of the Annual Turnover of preceding three years / 3 (As per audited Accounts).

d) Other income shall not be considered for arriving at annual turnover.

e) In case where audited results for the last preceding financial years are not available for determining the average turnover, certification of financial statements from a practicing Chartered Accountant shall be considered acceptable.

f) Eligibility of the black listed firms to participate in NIT: The firms who have been blacklisted by HPGCL or any other Centre or State Power Utility/ Board or Corporation/ or any other Thermal/Hydro Electricity project shall not be eligible to bid against the NIT of HPGCL, However:-

i) In case the blacklisting of the firm is for a specific plant and not for the organization as a whole then such blacklisting will not tantamount to ineligibility of the bidder.

ii) Blacklisting of the firm by any unit of HPGCL shall be considered as ineligibility of the firm at any other project of HPGCL.

iii) In case any firm was blacklisted for a limited period in past by any organization and presently such blacklisting has removed by such organization then it will not tantamount to ineligibility of the bidder.
iv) Firm has to certify itself for its eligibility with supporting documents to participate in the NIT stating that it has not been blacklist by any organization presently, however in case at a later stage such certification found wrong then it will lead to misrepresentation of the facts and the firm shall be treated as blacklisted on this ground and action shall be taken as per regulations of the corporation.

g) The firm should fill statement of bidders Performa and submit authentic supporting documents for proving its credential. Original documents may be asked for verification at the time of finalizing the tender.

h) Decision of the HPGCL regarding fulfillment of Pre-qualification requirement shall be final and binding upon the bidders.

2. Conditions of the contract and other information can be had from the office of XEN /TGM-II, RGTPP, HPGCL, Khedar, Hisar (E mail ID: ram.kumar@hpcl.org.in), on any working day prior to last date of Downloading of Tender Documents & Bid Preparation. The Tender Document can also be downloaded from HPGCL website www.hpcl.org.in.

3. The tender will only be submitted on the centralized e-procurement portal i.e.https://haryanaeprocurment.gov.in.

4. Before submitting tenders the instructions may be read carefully regarding submission of tender. If any bidder finds discrepancies or omissions in the tender documents or is in doubt as to the true meaning of any part, he shall clarify same from tender issuing office in writing before the due date of submission of the bid.

5. The “Application for Bidding” along with the “Terms and conditions of the contract and its all Annexure should be submitted duly filed up completely and signed on each page by the tenderer online. Work offered should be strictly according to the specifications of scope of work and to the terms & conditions of the NIT. Unless a deviation from the specifications and terms and conditions given in NIT is pointed out by the tenderer specifically, it will be presumed that offer/ Tender conforms to the specifications and terms and conditions as laid down in NIT.

6. The tenderer shall submit their tender in two parts- the first part containing documents for qualifying criteria, technical specification, schedule of deliveries, and all other terms and conditions except the rates (price bid), and the second part containing the rates (price bid) quoted for each item as well as other related terms like freight, Works tax, VAT, price escalation, etc.

7. RATE QUOTING SHEET:-

   a) The tenderer will quote their rates STRICTLY AS PER THE RATE QUOTING SHEET.

   b) CONDITIONAL DISCOUNT offered by any tenderer will not be considered for the purpose of relative comparison of rates quoted by participating tenderers.

8. The application for bidding along with all the detailed terms & conditions should be submitted online. Tenders through Fax / E-mail / telegraphic tenders shall not be considered. Incomplete, obscure or irregular tender is liable for rejection. If the tenderer deliberately gives wrong information in his tender, HPGCL reserves the right to reject such tender at any stage. The tenderer will quote their rates strictly as per details of specifications.

9. All tenders received against open tender enquiry irrespective of whether they are from the approved contractors on the registered list or others, shall be considered, provided they are on the prescribed form and in accordance with the tender conditions and specifications.

10. Unless exempted specifically, tenders not accompanied with the prescribed EMD/Cost of Tender shall be rejected. EMD/Cost of Tender shall be in the prescribed mode of payment as asked in the NIT otherwise; the tender shall be liable to be rejected.
11. The rates quoted by the tenderer should be very competitive and as prevailing in the market and should be firm and lump-sum. Prices should be quoted per unit also wherever applicable and asked.

12. The validity of the tender/offer shall be for 120 days from the date of opening of the price bid.

   a) Suomoto revised price bid / supplementary Part-II will not be accepted after the last date of submission of the tender. However, in case revised price bid is submitted by the bidder Suomoto but prior to the due date of submission of the tender, then the revised price bid only, shall be opened and considered by the purchasing authority.

   b) The rate negotiations could be held up to L3 bidder, if the difference between the L1 quoted rates and those quoted by L2 and L3 is within 5% of the L1 quoted rates. In case where the L1 bidder refuses to further reduce his offered price and the L2 or L3 bidders come forward to offer a price which is better than the price offered by L1 bidder, the bidder whose price is accepted becomes L1 bidder. However, in such a situation, the original L1 bidder shall be given one more opportunity to match the discounted price. In case of acceptance, he would be treated as L1 bidder.

13. No deviation shall be allowed. However, in case of deviation of taxes etc., the same be loaded for comparison purpose.

14. Selection preference of the tendered work may be allowed as per policy of the State Government to the Industrial Units located in Haryana on the lowest valid rates if tenderer so claim with requisite documentary evidence.

15. The bidders / contractors shall observe the highest standards of ethics during the submission of tender, procurement and execution of the contract. In case of evidence of cartel formation by the bidder(s) EMD is liable to be forfeited.

16. The bidder shall bear all costs including bank charges, if any, associated with the preparation and submission of his bid, and the purchaser will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

17. The whole work against this tender shall be awarded to a single firm i.e L-1 bidder whose overall quoted/equated prices are lowest for the complete package.

18. The bidders shall supply partnership deed in case of partnership firm and Memorandum of Association and Article of Association in case of a company.

19. CE/RGTPP reserves the right to cancel the NIT or to change/modify the tender as a whole or in parts or to reject any or all the tenders so received without assigning any reason and will not responsible & will not pay for any expenses or losses that may be incurred by the tenderer in preparation of the tenders/offers.

20. **INSPECTION OF SITE OF WORK**: - Before tendering, the tenderer is advised to inspect the site of work, the environment & get acquainted with the actual work & other prevalent conditions, facilities available. No claim will be entertained later, on the ground of lack of knowledge.

    -sd-
    XEN/TGM-II
    For Chief Engineer/RGTPP,
    HPGCL, Khedar, Hisar.
Annexure-II

GENERAL TERMS AND CONDITIONS OF CONTRACT

1) CONTRACT AGREEMENT:-
The contractor shall execute a contract agreement with HPGCL on a Non Judicial Stamp Paper of appropriate value within 15 days of receipt of work order as per Annexure-V.

2) RATE/CONTRACT PRICE: -
Rate shall be quoted by the bidder, strictly as per rate quoting sheet and the agreed contract price shall remain firm during the currency of the contract. Any statutory taxes/levies, if to be charged extra, should be clearly indicated by Tenderer in their offer separately, failing which it will be presumed that the quoted prices are inclusive of all such statutory taxes/levies.

3) EARNEST MONEY AND SECURITY DEPOSIT: -
   3.1. Every Tenderer, while submitting his tender, should online deposit an amount of Rs. 76,000/- as the earnest money.
   3.2. The earnest money furnished by the successful Tenderer on whom the work order is placed shall be converted into security deposits as a guarantee for faithful and satisfactory execution of the work order.
   3.3. The EMD of the unqualified bidders will be returned without any interest, as promptly as possible, within 30 days after declaration of qualification result and that of unsuccessful bidder within 15 days of the execution of the contract with the selected bidder.
   3.4. 10% amount of the monthly running bill shall be kept as security deposit. However, the EMD already deposited by the bidder shall be converted into the security deposit and the balance amount shall be deducted from the running bill.
   3.5. The security deposit of the contractor shall be retained by HPGCL for faithful execution of the contract.
   3.6. Security deposit shall be released only after completion of the entire period of the contract and after 30 days of completion of work successfully on the certificate of Engineer In-charge.
   3.7. No interest shall be paid on EMD / Security Deposit for the period it remains deposited with HPGCL.
   3.8. The earnest money/security deposit shall be forfeited in part or in full under the following circumstances:-
      a. If the Tenderer withdraws his tender at any stage during the currency of validity period.
      b. If the W.O. has been issued but the contractor refuses to comply with it irrespective of the fact that HPGCL sustains any loss on account of such default or not.
      c. In the event of a breach of contract in any manner.
      d. In case of evidence of cartel formation by the bidder(s).
      e. If the contractor fails or neglects to observe or perform any of his obligations under the contract, it shall be lawful for the HPGCL to forfeit either in whole or in part, in its absolute discretion, the EMD/security deposit furnished by the contractor.
      f. The forfeiture of EMD/security deposit shall be without prejudice to the right of HPGCL to recover any further amount or any liquidated and/or other damages as admissible under the law, under payments or over payments made to the contractor under this contract or any other contract as well as to take such administrative action against the contractor as blacklisting etc.
      g. If the works is not started within the 15 days of the LOI or as per the instruction in LOI or in case of any failure on his part to own his commitment given in the tender, it will be treated as a default and in that case his earnest money/security will stand forfeited by HPGCL.

4) LOSS OF HPGCL PROPERTY DURING THE CONTRACT PERIOD: -
The contractor shall ensure that no damage or loss is done to HPGCL's property or human being in the jurisdiction of work site. In case it is found that, there is any loss to HPGCL's property or human being due to negligence of any labour/ worker the same shall be made good by the contractor at his own cost.

5) PAYMENT TERMS
Subject to any deduction which the HPGCL may be authorized to make under this contract, the payment shall be made as follows
   “90% payment shall be made against the running bill or monthly bills for the work done & balance 10% shall be kept as security which shall be released after the satisfactory completion of the contract including the period of guarantee / warranty”. No interest shall be paid by HPGCL on the security amount. Payment will be made as per actual measurement
of the work.

6) **MODE OF PAYMENT**
The contractor shall submit the monthly bills in triplicate. Payment shall be released by the Sr. Accounts Officer/Accounts Officer, RGTPP through RTGS/NEFT. The Contractor will intimate the complete bank details viz. Name of Bank/Branch, Account Number, Type of Account, IFSC Code etc, to Sr. Accounts Officer/Accounts Officer. Bank charges, if any, shall have to be borne by the Tenderer/contractor.

7) **RISK AND COST**
In case the contractor fails to fill the contractual obligation, the work shall be got done from some other agency at the risk and cost of the contractor. It shall be without prejudice to the right of HPGCL to recover any further amount or any liquidated and/or other damages.

8) **PENALTY FOR DELAY**
a) The contractor will ensure timely completion of the work/job mentioned in the scope of work, within stipulated completion schedule. However, if any part of the job is not completed within the stipulated period whatsoever reason, HPGCL has right to get done the remaining work, from other agency, at the risk and cost of contractor.
b) The contractor will ensure timely completion of the job as stipulated in the completion schedule. However, if any part of the job is not completed within the stipulated period, the penalty will be imposed @ 1% of the contract value of the work order per day subject to maximum 10% of the value of work order. Quantum of work may increase or decrease to any extent. Contractor will arrange additional manpower to complete additional work, if any, within above completion period. For the purpose of imposition of penalty, date of completion of job will be taken into consideration as per Bar Charts/Pert Charts/Schedule etc. submitted by contractor to XEN/BMD-I, II & XEN/TGM-I, II at the commencement of work.
c) In case defect found in material or work done by contractor, **within 90 days after completion of work**, then same will be attended by contractor free of cost under W/G clause otherwise the expenditure incurred on the same will be also be got recovered from contractor account.

Notes:- i) Contract value means basic value of the contract exclusive of taxes and duties, if charged separately.

9) **DOCUMENTATION**
The contractor and the executive in-charge of the work shall ensure the following document before forwarding the bill of the contractor to the accounts wing for pass and payment to avoid delay in payment of the contractor:-

i) Contractor shall submit the monthly bill in duplicate to the executive in-charge along with the followings:
   a) The contractor shall submit the monthly bill in duplicate. The bill should be on the contractor’s bill book duly serially numbered and bearing date of issue, contractors EPF code, GST number, PAN etc. A photo copy of the EPF code, GST number, Labour license, PAN etc. shall be attached with the 1st running bill for reference and record.
   b) Self attested copy of the deposit challan of EPF contribution, labour welfare fund deposited by the contractor for the labour engaged for the work duly validated with dossier of workers and their account no. in the appropriate prescribed Performa.
   c) Self attested copy of the attendance sheet, wages register and evidence of wage payment.

ii) The bill of contractor along with documents submitted by contractor as mentioned above should be approved and verified by the officer in charge for gross value as well as net payable value and accompanied with the certificates/documents as mentioned below.

iii) Certificate from the Engineer In Charge that, a) Work has actually been done as per the contract and to the entire satisfaction of EIC. b) The copy of the EPF challan, ESI challan etc. submitted by the contractor pertain to the labour deployed at site and none of the worker has been excluded there from. c) The record entry of the work done has been taken in the SMB at page no. On dated . d) No penalty is leviable on the contractor on any account as per the contract, if leviable; the amount of penalty is . e) Copy of protocol and certificate for stage payment if required.

iv) Certificate from Chief Labour Welfare Officer / Factory Manager stating that contractor has complied with all labour laws and safety clearance certificate from Chief Safety Officer. In case of non-availability of Chief Labour Welfare Officer / Chief Safety Officer, from EIC.

**Note:** -Documents attached along with the contractor bill should be referred in the forwarding letter of the executive office forwarded the bill for pass and payment.
10. **MEASUREMENT & BILLING**
   All the measurements shall be in metric system. All the works completed will be measured by the representative of the Engineer-in-Charge. The dates of start/completion & date of measurement, award/indent wise for each equipment will be recorded in SMB after completion of all the jobs of the award.

11. **GUARANTEE/WARRANTY**
   The contractor shall guarantee the work done for a period of 90 days whichever is earlier from the date of successful commissioning of equipment. Any damages or defects which may arise or lie undiscovered at the time of completion connected in any way with the equipment or material supplied by him and/or in the workmanship shall be restricted or replaced by the contractor at his own expenses as deemed necessary by the Engineer-in-Charge or in default the Engineer-in-Charge may cause the loss to be made good by other agency and deduct expenses (of which the certificate of Engineer-in-Charge shall be final) from the dues/security deposit of the contractor.

12. **ENGINEER-IN-CHARGE:**
   The Engineer-in-Charge or his representative shall have the general supervision of the work. The work shall have to be started by the Contractor as per the instructions from Engineer-in-Charge.
   The Engineer-in-Charge has authority to stop the work, if he finds that work is not being properly executed. He shall also have authority to reject all the works or part thereof and give necessary direction to carry out the work again to his satisfaction. No claim whatsoever on this account shall be entertained. However in case of any clarification etc. firm may approach to concerned Executive Engineer in writing.

13. **Period of Contract:**
   The period of contract shall be for one year from the date of commencement of work. A notice of seven days shall be given for starting the job, but the contractor should be able to mobilize his resources within 24 hours, if necessity arises. The period of contract may be extended up to three months at the same rates & terms and conditions at the discretion of HPGCL.

14. **FORCE MAJEURE:**
   The delay in completion of work may be treated as force majeure to the contractor only if: - The delay is resulted from any causes arising out of compliance with regulations, orders or instructions of the Central or State Governments, acts of God, acts of Civil & Military authority, fires, floods, strikes, lock-outs, freight embargoes, war risk riots and civil commotion.

15. **OVER RUN CHARGES:**
   No overrun charges shall be paid in the event of the completion period being extended for any reasons.

16. **WATCH & WARD:**
   The watch and ward of associated material & T&P etc will be the responsibility of the contractor.

17. **FACILITIES TO BE ARRANGED BY CONTRACTOR:**
   The contractor shall make his own arrangement for providing all facilities like lodging, boarding and transportation etc. for his supervisors/staff engaged by him. Residential accommodation in the colony shall be provided on chargeable basis, if required by the contractor.

18. **STATUTORY DEDUCTIONS:**
   Statutory deduction on account of Income Tax, Works Tax & Sales Tax etc. including surcharge shall be made at source from the bills of the contractor at the prevailing rates.

19. **FACTORY ACT/MINIMUM WAGES ACT/INSURANCE ACT/ EPF ACT ETC.**
   Strict adherence of various applicable laws likes the Factories Act, Minimum Wages Act, Payment of Wages Act, the workman’s Compensation Act, EPF Act, Contractor labour (Regulation & Abolition) Act, 1970 and all other statutory requirements as amended from time to time the entire satisfaction of Central/State Govt. Authorities, shall be the responsibility of the Contractor and he shall have to make good loss, if any, suffered by HPGCL on account of default in this regard by the contractor. EPF/ESI contributions will be deposited by the contractor in his own EPF/ESI code no. in the respective account of the workers. The contractor will submit the copy of EPF/ESI challan to the Labour Welfare Officer, at the time of 90% payment along with corresponding list of workers. The contractor shall make the payment of wages to its labour/worker in their saving account only. Documentary evidence thereof shall be submitted along with the running bills.

20. **INSURANCE OF WORKERS:**
   The contractor will be solely responsible for any liability for his workers in respect of any accident, injury arising out and in course of contractor’s employment. To meet his aforesaid obligation under the workman compensation Act, The contractor may obtain W.C policy from the Insurance Company for the persons employed by him for carrying out the work. The premium payable for aforesaid insurance policy shall be borne by the contractor. The contractor shall ensure that the said insurance policy of this insurance cover is required to be submitted by the contractor to Engineer-In-charge of work immediately after issue of L.O.I, but before the start of work.
21. **ARBITRATION:**
All the matters, questions, disputes, differences and/or claims arising out of and/or concerning and/or in connection with and/or in consequence of, and/or relating to the contract whether or not obligations of either or both the contractor and the corporation under this contract be subsisting at the time of such dispute and whether or not the contract has been terminated or purported to be terminated or completed, shall be referred to the Sole Arbitrator of Managing Director/HPGCL or an officer appointed by the MD, HPGCL as his nominee. The Award of the Arbitrator shall be final and binding on the parties to the contract.

22. **LAWS GOVERNING CONTRACTS:**

i) The contractor must get himself registered with the Labour Department, Haryana under Section-7 of Labour Contract Act 1970.

ii) He should also obtain a valid Labour License as applicable under Section 12 of Act for the work awarded to him immediately after the allotment of work and a copy of the same must be submitted along with the contract Agreement.

iii) The contractor shall abide by all labour-laws required to be followed under Factories Act, 1948, Industrial Dispute Act 1947, Workmen Compensation Act 1923, Employees State Insurance Act 1948, EPF Act 1952, Payment of Wages Act 1936 & Minimum Wages Act 1948 and other rules & regulations framed by Central / Haryana Govt. from time to time in this regard.

iv) The contractor shall maintain necessary records viz. Register of wages, Muster roll / Attendance register, Employment card / Gate Pass, Overtime Register and other necessary records etc. as required under aforesaid Acts and the same shall be made available to the Engineer-in-Charge / Project Authorities /, Govt. of Haryana / Labour welfare Officer/RGTPP for checking inspection as and when required.

v) The contractor shall indemnify the HPGCL against all the obligations of the Labour Rules and Regulations under any Statutory Act as mentioned above.

vi) The contractor shall submit an undertaking stating that all risks & responsibilities towards labour/employee will be owned by him.

vii) The contractor will engage labour/employee after getting the character antecedents verified from the Police department.

viii) The workmen engaged by the contractor shall not be treated as employees of HPGCL. The HPGCL shall have no relation with workers engaged by the contractor. An affidavit from the labour / workmen shall be submitted by the contractor that they will not claim themselves as employees of HPGCL.

ix) The contractor shall deduct labour welfare fund from each worker with employers share at the permissible rates and deposit the same with the Welfare Commissioner, Haryana, Chandigarh and present its documentary proof along with the bill.

x) Proper Uniform with logo of firms must be provided to the labour/employee by the contractor.

xi) Identity Cards must be provided to each labor/employee by the contractor.

xii) To Enforcement of minimum rates of wages under minimum wages Act, 1948, Mode of payment to the labour/employees should be through Bank/Account Payee Cheque, Cash Payment is strictly prohibited and present the documentary proof along with each monthly bill.

xiii) Monthly payment in respect of labour/employees should be released on or before 7th day of each month by the contractor.

23. **JURISDICTION:**
The contract shall be deemed to have entered into at Hisar and all cause of actions (in relation to the contract shall, therefore, be held to have arisen within the jurisdiction of the court of Hisar, Distt. Hisar (Haryana) or the related high court of Punjab and Haryana, Chandigarh.

24. **SET OFF:**
Any sum of money due and payable to the supplier under the contract (including security-deposit returnable to the supplier) may be appropriated by the HPGCL and set-off against any claim of the Corporation for the payment of a sum of money arising out of under that or any other contract entered into by the contractor with the HPGCL.

25. **SAFETY RULES**
Contractor shall have to comply with all the provisions of safety rules. The Engineer-in-Charge or The Chief Safety Officer shall impose penalty of Rs.100/- per day per head if the workers of contractor are found to be working carelessly or in violation of use of proper protective equipments i.e. safety helmets, shoes, safety belts, goggles, ear plugs etc. and against violation of any other clause. A penalty of Rs. 500/- per violation (minimum) shall be levied in case of repeated violation. Further, if the violation made by the contractor / labour
which may cause any serious accident or direct loss to the corporation or threatens to cause severe consequences, the higher penalty may be imposed including suspension / termination of the contract.

Following undertaking is also required to be submitted by the contractor: - “I / We have gone through all the terms & conditions on safety regulations and undertake to strictly enforce the same during the execution of this contract including mobilization period, if any”. In case of violation of these terms & conditions, the HPGCL is free to take action as deemed fit.

In case of any fatal / non fatal accident or any other violation of Factory Act 1948, Pb Hr Factory Rules 1952 or under other Industrial or Labour Act are made by / with the workers of the contractor and if prosecution is launched by Chief Inspector of Factories, Chandigarh against occupier / Factory Manager or any other authority of HPGCL, the contractor shall be liable to deposit the amount of fine / penalty decided by the Court, on the same day. In case of default, the amount will be recovered from the outstanding dues / liabilities of the contractor against this contract or any other contract at RGTPP besides other action as the HPGCL may deem fit like black listing of the firm etc.

The liability of the injured person shall be borne by the contractor, irrespective of the location at which the accident has occurred.

26. ELECTRICITY / AIR / WATER
   Electricity/ Air / Water will be provided free of cost at one point per unit as per requirement of job. HPGCL may provide suitable space for site store / temporary workshop free of charges to the contractor. The electricity for site store / office will be provided by HPGCL free of cost. The contractor will use electricity / air / water judiciously.

27. ACCOMMODATION
   The contractor will be responsible for the accommodation of his employees / workers deployed for execution of work. However, if the accommodation is available with HPGCL the same may be allotted on chargeable basis as per HPGCL rules.

28. TRANSPORTATION OF MATERIAL
   The contractor shall make his own arrangement for removal of old as well as unused material from the site to the place as specified by the Engineer-in-Charge after completion of work.

29. PRESERVATION & STORAGE OF MATERIAL
   All the material issued to the contractor by the HPGCL or brought by the contractor for its bonafied use shall be stored and preserved against any loss, damage, shrinkages or deterioration in any form. Any damage / loss suffered on this account shall be considered as loss due to willful negligence on part of the contractor and shall be liable to compensate HPGCL for these losses suffered at penal rates to be determined by the HPGCL. The rates charged for the purpose of recovery shall be final and binding on the contractor.

30. TELEPHONE NUMBER
   The contractor shall provide the phone facility to his supervisor to facilitate HPGCL for easy communication with the contractor. The phone Number shall be intimated by the contractor immediately after the award of the contract.

31. AUTHORIZED REPRESENTATIVE
   The firm will intimate (in writing) the name of authorized representative at site to whom necessary instructions regarding the works can be imparted and who will make correspondence regarding contract related issues. The signatures of the aforesaid authorized representative shall be got attested from First Class Magistrate or Notary Public.

32. Termination of contract: -
   If the contractor is unable to execute the work, any loss incurred by HPGCL in this respect will be to the contractor's account. HPGCL may also terminate the contract after giving a three days notice, if in its opinion the work under the contract is not being done to its satisfaction. HPGCL also has the right to set the job done from a third party at the risk and cost of the first contractor till the expiry of the period of contract and debit the cost plus 15% of the cost to the first contractor’s account.

33. OWNERSHIP DEED
   The firm will give ownership deed / partnership deed / proprietorship deed (as applicable) duly attested by Notary Public for record and reference of his office.

34. SUBLETTING AND ASSIGNMENT
   No sub letting of the contract shall be allowed and any subletting will lead to cancellation of the contract. However, as a special case, CE/RGTPP after considering technical capability of the sub contractor may allow sub letting for which the successful contractor will submit requisite documents to XEN-In charge of the work. The scope of work (Annexure- III) is only tentative and as per the prevailing conditions of the equipment. The actual quantum of work will be known after opening of the equipment at the time of execution of work.

35. The activities mentioned in the scope of work in Annexure-III are details of possible works connected with the overhauling of equipments. However, it is not possible to list out all the minor
activities in detail. So, all such minor/any other left out activities essential for overhauling &
commissioning of the equipments shall be deemed to be included in the scope of work.

36. As the manpower will be handling costly & sophisticated equipments of the Power Plant, therefore,
the contractor will ensure that only skilled personnel, who have already handled such equipments
during overhauling, should be deployed.

37. This office reserves the right to claim adequate compensation from the contractor on account of any
damage caused to the plant & equipment handed over to him for execution of the work, due to
careless handling or negligence on the part of the contractor.

38. The recovery in respect of any spares which get damaged due to negligence on the part of the
contractor will be done at the rates as mentioned in the price catalogue of RGTPP’s OEM or any
other PO/Source, plus 10% supervision charges.

39. During the course of this work, the contractor shall keep a competent authorized representative and
his assistants so that the progress of the work is not hampered. The representative shall represent
the contractor in his absence and all directions given to him shall be binding as if given to the
contractor. In no case, the authorized representative can refuse to receive the instructions.

40. **ADVANCE PLANNING**
I. Before commencement of work, contractor will give the details of all qualified & experienced
manpower to the concerned XEN (i.e. XEN/TGM-II) so as to ensure

II. Completion of the total job safely and well within the stipulated completion period. However
XEN/TGM-II, RGTPP can refuse to deploy any staff/manpower of contractor at commencement of
work or any time during execution of work, who are not found suitable/fit as per job requirement.

Note:-

1. Unless agreed otherwise the above terms and conditions of the contract will form the part of the
work order after finalizing the proposal. The word tenderer where ever used above shall be read as
contractor. The non applicability / modification in the aforesaid clauses if agreed shall be
mentioned / attached in / with the work order specifically.

2. Contracting authority shall put dated initials on each pages of the work order including the above
terms and conditions printed on both side of the paper.

3. Any other term not defined in instructions to the bidder or above terms and conditions should be
interpreted as defined in HPGCL Purchase Regulation”.

4. The term “Bid” and “tender” and their derivatives (”Bidder / Tenderer “Bidding / Tendering”) are
synonymous. Singular also means plural.

-sd-
XEN/TGM-II

For Chief Engineer/RGTPP,
HPGCL, Khedar, Hisar.
### Scope of work for thermal insulation works on 600 MW Unit- I& II in respect of TG Mtc-I& II, RGTPP, HPGCL, Khedar, Hisar

<table>
<thead>
<tr>
<th>Sr. No</th>
<th>Insulation thickness</th>
<th>Cladding thickness</th>
<th>Temp.</th>
<th>Total tentative area in m²</th>
<th>Rate Quoted by firm in Rs. Per m²</th>
<th>Total Amount in Rs.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Aluminosilicate Felt with plaster</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Aluminosilicate Felt, Th. 200mm</td>
<td>Plaster</td>
<td>540°C</td>
<td>18</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Aluminosilicate Felt, Th. 160mm</td>
<td>plaster</td>
<td>540°C</td>
<td>18</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Aluminosilicate Felt Insulation</strong></td>
<td></td>
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<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Aluminosilicate Felt, Th. 200mm</td>
<td>Al Sheet, Th. 0.71mm</td>
<td>540°C</td>
<td>36</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Aluminosilicate Felt, Th. 150mm</td>
<td>Al Sheet, Th. 0.71mm</td>
<td>540°C</td>
<td>36</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Aluminosilicate Felt, Th. 120mm</td>
<td>Al Sheet, Th. 0.71mm</td>
<td>540°C</td>
<td>36</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Aluminosilicate Felt, Th. 100mm</td>
<td>Al Sheet, Th. 0.71mm</td>
<td>450°C</td>
<td>72</td>
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<td>5</td>
<td>Aluminosilicate Felt, Th. 80mm</td>
<td>Al Sheet, Th. 0.71mm</td>
<td>350°C</td>
<td>72</td>
<td></td>
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<td>6</td>
<td>Aluminosilicate Felt, Th. 50mm</td>
<td>Al Sheet, Th. 0.71mm</td>
<td>350°C</td>
<td>72</td>
<td></td>
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</tr>
<tr>
<td><strong>Rock Wool Felt Insulation</strong></td>
<td></td>
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<tr>
<td>1</td>
<td>Rock Wool felt, Th. 160mm</td>
<td>Al Sheet, Th. 0.71mm</td>
<td>400°C</td>
<td>36</td>
<td></td>
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<tr>
<td>2</td>
<td>Rock Wool felt, Th. 120mm</td>
<td>Al Sheet, Th. 0.71mm</td>
<td>400°C</td>
<td>36</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Rock Wool felt, Th. 100mm</td>
<td>Al Sheet, Th. 0.71mm</td>
<td>350°C</td>
<td>270</td>
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<tr>
<td>4</td>
<td>Rock Wool felt, Th. 80mm</td>
<td>Al Sheet, Th. 0.71mm</td>
<td>350°C</td>
<td>144</td>
<td></td>
<td></td>
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<tr>
<td>5</td>
<td>Rock Wool felt, Th. 50mm</td>
<td>Al Sheet, Th. 0.71mm</td>
<td>250°C</td>
<td>270</td>
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<tr>
<td>6</td>
<td>Cladding</td>
<td>Al Sheet, Th. 0.71mm</td>
<td></td>
<td>144</td>
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<td></td>
</tr>
</tbody>
</table>

**Total:**

Note: Insulation variation clause of ±10% may be incorporated.

- The basic thermal insulation (Matting material) to be used shall be lightly resin bonded, machine laid, machine stitched, factory made rock wool mattresses of 144/150 Kg/m³ density (as per IS 8183-1976) consisting of incombustible rock fibers and suitable for application upto 750°C temperature

- The measurement of work done shall be taken as per IS-14164-1994 and the insulation work shall be done by the firm as per specifications.
**DETAILED SCOPE OF WORK FOR THERMAL INSULATION PERTAINING TO Boiler AREA of Unit-I & II**

Scope of work for thermal insulation works on 600 MW Unit-I & II in respect of BMD-I & II, RGTPP, HPGCL, Khedar, Hisar.

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>AREA</th>
<th>Description</th>
<th>Insulation Description</th>
<th>Cladding Description</th>
<th>Tentative Area (m²)</th>
<th>Rate Quoted by firm in Rs. Per m²</th>
<th>Total Amount in Rs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Boiler Furnace</td>
<td>(Providing New Insulation with refixing of old cladding)</td>
<td>Rock Wool felt</td>
<td>Old Corrugated Sheet</td>
<td>59</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Boiler Furnace</td>
<td>(Providing New Insulation with New Cladding)</td>
<td>Aluminisilicate felt + Rock Wool felt (70mm+120mm)</td>
<td>Corrugated Al. sheet</td>
<td>1.2</td>
<td>68</td>
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<tr>
<td>3</td>
<td>Boiler Furnace</td>
<td>(Providing New Insulation on old insulation by extending length of L-Hook with refixing of old cladding)</td>
<td>Rock Wool Felt</td>
<td>Old Corrugated Sheet</td>
<td>50</td>
<td>68</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Boiler Wind Box &amp; APH</td>
<td>(New Insulation with refixing of old cladding)</td>
<td>Rock Wool Felt</td>
<td>Old Corrugated Sheet</td>
<td>190</td>
<td>68</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Wind Box &amp; APH</td>
<td>(Providing New Insulation with New Cladding)</td>
<td>Rock Wool Felt</td>
<td>Corrugated Al. sheet</td>
<td>190</td>
<td>68</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Drum Down-Comers Pipers 24 to 80 m elevation, Ring Header including man holes of ring header at 9 meter elevation, Main Steam to PRDS Line, Main Steam Line &amp; ID Fan HRH,CRH,Steam Header at HFO unloading station, HFO heater</td>
<td>Rock Wool Felt</td>
<td>Old Plan Sheet</td>
<td>150</td>
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<tr>
<td>7</td>
<td>Drum Down-Comers Pipers 24 to 80 m elevation, Ring Header including man holes of ring header at 9 meter elevation, Main Steam to PRDS Line, Main Steam Line &amp; ID Fan, HRH, CR H, Steam Header at HFO unloading station, HFO heater</td>
<td>(Providing New Insulation with New Cladding)</td>
<td>Rock Wool Felt</td>
<td>150</td>
<td>Al. sheet</td>
<td>0.56</td>
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<tr>
<td>8</td>
<td>Bottom of Z-Panel at 9 meter elevation &amp; ESP Hopper</td>
<td>(Providing New Insulation with refixing of old cladding)</td>
<td>Rock Wool Felt</td>
<td>150</td>
<td>Al. sheet</td>
<td>0.56</td>
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<tr>
<td>9</td>
<td>Bottom of Z-Panel at 9 meter elevation &amp; ESP Hopper</td>
<td>(Providing New Insulation with New Cladding)</td>
<td>Rock Wool Felt</td>
<td>190</td>
<td>Corrugated Al. sheet</td>
<td>1.2</td>
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<tr>
<td>10</td>
<td>Fuel Oil Lines / after Vent/Drain line valve i.e. Drum Vent, CBD Drain (Left &amp; Right) &amp; Vent, LTSH Drain line &amp; Ring Header Drain Valve</td>
<td>(Providing New Insulation with New Cladding)</td>
<td>Rock Wool Felt</td>
<td>50</td>
<td>Al. sheet</td>
<td>0.56</td>
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<tr>
<td>11</td>
<td>Burner Panel</td>
<td>(Filling Inside Cover Plates) (Providing only new Insulation)</td>
<td>Rock Wool Felt</td>
<td>120</td>
<td>Al. sheet</td>
<td>0.56</td>
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<tr>
<td>12</td>
<td>Vent/Drain i.e. Drum Vent, CBD Drain (Left &amp; Right), SH Spray Line &amp; Vent, LTSH Drain line &amp; Ring Header Drain Valve</td>
<td>(Providing New Insulation with New Cladding)</td>
<td>Rock Wool Felt</td>
<td>100</td>
<td>Al. sheet</td>
<td>0.56</td>
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</tr>
<tr>
<td>13</td>
<td>Primary &amp; secondary Hot Air Duct at 6 M to 30 M elevation</td>
<td>(Providing New Insulation with New Cladding)</td>
<td>Rock Wool Felt</td>
<td>170</td>
<td>Corrugated Al. sheet</td>
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</tr>
<tr>
<td></td>
<td>Description</td>
<td>Material</td>
<td>Quantity</td>
<td>Rate</td>
<td>Total Amount in Rs.</td>
<td></td>
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<tr>
<td>14</td>
<td>Primary &amp; secondary Hot Air Duct at 6 M to 30 M elevation (Providing New Insulation withrefixing of old cladding)</td>
<td>Rock Wool Felt</td>
<td>170 GI</td>
<td></td>
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<tr>
<td>15</td>
<td>Flue Gas Duct (Providing New Insulation with New Cladding)</td>
<td>Rock Wool Felt</td>
<td>40 GI</td>
<td>Corrugated Al. sheet</td>
<td>1.2</td>
<td>86</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>Flue Gas Duct (Providing New Insulation withrefixing of old cladding)</td>
<td>Rock Wool Felt</td>
<td>40 GI</td>
<td>Old Corrugated Sheet</td>
<td></td>
<td>77</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>Any other area boiler/ hot duct/cold duct/ wind box/ ESP hopper /ESP duct (Providing New Cladding sheet on existing insulation)</td>
<td>-</td>
<td>-</td>
<td>Corrugated Al. sheet</td>
<td>1.2</td>
<td>995</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>Any area line of vent/drain/ main steam line/ bottom Ring Header line (Providing New Cladding sheet on existing insulation)</td>
<td>-</td>
<td>-</td>
<td>Al. sheet</td>
<td>0.56</td>
<td>77</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>Any Area as mentioned in the above items (Refixing of Old cladding Sheet)</td>
<td>-</td>
<td>-</td>
<td>Old Corrugated/plan Sheet</td>
<td>127</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Note:-**

i. Insulation material, aluminum sheet for cladding hooks, screws, channels & other support material where ever required shall be arranged by the firm.

ii. All skilled/ unskilled labor shall be arranged by the contractor.

iii. All scaffolding material shall be arranged by the contractor.

iv. Scope of work can be increased/decreased for each item to any extent as per site requirement. However, the value of complete work will not exceed maximum 10%.

**Note:**

1. The whole work against this tender shall be awarded to a single firm whose overall quoted prices are lowest.

2. Apart from the above, any statutory taxes/levies, if to be charged extra, should be clearly indicated by tenderer in their offer separately, failing which it will be presumed that their quoted prices are inclusive of all such statutory taxes/levies.

-Sd-

XEN/TGM-II

*For Chief Engineer/RGTPP, HPGCL, Khedar, Hisar.*
SPECIAL TERMS & CONDITIONS

1. All the material required for the insulation erection shall be arranged by the contractor/firm itself.
2. All types of tools, tackles & consumables etc. shall be arranged by the contractor/firm itself.
3. Work shall be carried out to the entire satisfaction of RGTPP Engineers. Any modification/deviation from the given lines suggested by our supervisory agency shall have to be complied by the contractor/firm.
4. Test certificate for the material used shall be provided by the contractor/firm to the concerned Engineer-in-Charge.
5. Insulation thicknesses for various pipes/valves/equipments etc. are indicated in the scope of work. The indicated insulation thickness is only the guideline. The contractor is to design and specify the insulation thickness (if variation from the given thickness) fulfilling the surface temperature requirement to the satisfaction of Engineer-in-charge. Any work required to complete the above job is deemed to be included in the scope of work to meet with the surface temperature requirements.
6. The measurement of work done shall be taken as per IS-14164-1994 and the insulation work shall be done by the firm as per the specifications.
7. The removal and providing of thermal insulation from equipment's/pipes will be in the scope of contractor and thereafter the contractor shall lift the dismantled unusable insulation material and transport the same to the low lying areas within the premises of the plant is directed by the executing agency. Aluminium scrap is also to be shifted to the O&M Store by the contractor after completion of work.
8. All the scaffolding material required for scaffolding purposes will be arranged by contractor along with winding ropes, steel ropes and wires, wooden planks and stairs etc. The contractor shall carry out Erection/dismantling of scaffolding wherever required, however, the scaffolding material will be removed by the contractor after completion of work without any damage to any material.
9. EOT Crane, chain pulley block, wherever provided/available at site shall be provided by HPGCL free of cost. If during the use, any damage occurs on account of mishandling on their part, the same shall be got repaired by the contractor. Otherwise, the contractor will make his own arrangement for the same at his own risk and cost without affecting the schedule of job. However, if EOT hoist is not available due to any reason, the contractor shall make his own arrangement for completion of the work.
10. The insulation will be removed (from the damaged portion) and applied as per the directions of the concerned Engineer-in-Charge.
11. TECHNICAL REQUIREMENT
   The insulation applied shall meet with the following requirements:
   I. The temperature of finished surface shall not exceed 55°C within an ambient temp. of 35°C inside Boiler area (20°C above the ambient temp. specified). If temperature is more and heat losses exceeded on actual measurement, the contractor shall either replace the insulation with superior material or provide additional insulation thickness at the Mtc. Wing’s discretion at no extra cost to RGTPP.
   II. The difference between cold face of the insulation and ambient will not be more than 20°C.
   III. All the thermo couples have to be marked with sleeves made out of aluminum sheet for proper access during mtc. and replacement whenever necessary as per RGTPP/OEM specifications.
   IV. All the cap nuts shall be covered with 0.63mm Aluminum foil before applying the insulation.
   V. After completion of work, the contractor shall get the temperature of finished surface checked from Engineer-in-Charge of work with his own instrument. There shall be no air pockets inside the insulation.
12. **THERMAL INSULATION OVER Turbine, BOILER & PIPE LINES**

The thermal insulation of boiler equipment's/pipeline should meet with the following technical requirement:

i) **Matting material:** The basic thermal insulation material to be used shall be lightly resin bonded, machine laid, machine stitched, factory made Rock wool felt/mattresses of 144/150 Kg/M³ density (as per IS: 8183-1976) consisting of incombustible rockfibres and suitable for applications up to 750°C temperature. The G.I. netting to be used is mentioned against each item is as per scope of work attached.

ii) **Cladding material:** Technical specifications of the cladding material to be used will be as per scope of work attached.

13. **WATER WALL FURNACE INSULATION:**

The scope of work for water wall furnace insulation will be as under:

i) Removal of skin casing wherever required as per the directions of Engineer-in-Charge.

ii) Removal of damaged insulation as per direction of Engineer-in-Charge.

iii) Replacement of damaged insulation with new insulation, which shall be arranged by the contractor.

iv) Re-fixing of new or old cladding as per scope of work.

v) For furnace and water wall penal insulation, mattresses with both side G.I. wire netting shall be used.

vi) L-hooks, retainers etc. shall be supplied and welded on fin only not tube, by engaging a qualified welder.

vii) The contractor shall carry out Erection/dismantling of scaffolding wherever required. Scaffolding material are to be arranged by the contractor.

14. The insulation should be supported on surface from all sides through pins, studs, nuts & washers etc. to prevent it from slipping.

15. Any other work, which is not mentioned above but is required for the completion of job, will be deemed to be included in the scope of work.

16. The personal protective equipments for the safety of workers i.e. safety belt, safety shoes, hand gloves, safety goggles etc. shall have to be arranged by the contractor.

17. The transportation of spares & other material from O&M store to site store or place of work & transportation of scrap/ dismantled material to store yard will be in the scope of contractor. The contractor will assist the loading / unloading of spares, if the same are to be got repaired from any private workshop.

18. Water, electricity, compressed air will be given by HPGCL free of cost at the nearest point available. Further connections of the same shall, however, be made by the contractor up to the site of works at his cost.

19. The contractor shall arrange all testing & measuring equipments as per the job requirement.

20. After attending the job, the area will have to be got cleaned / cleared and scrap etc. to be removed from site. In case Engineer-in-Charge feels that the area has not been cleaned / cleared properly, HPGCL has the right to get the above work done from other agency at the risk and cost of the contractor.

21. The dismantled spares, new spares, kept at site for use should be properly stacked, kept cleaned and covered properly in safe custody.

22. If the grating of platform/stairs, railings, etc. gets damaged while carrying out the work, same shall be rectified / repaired by the contractor.

23. The work will be carried out round the clock with full strength of technicians and supervisors.

24. The contractor will deploy parallel groups who will work simultaneously in parallel round the clock in full strength.

For Chief Engineer/RGTPP,
HPGCL, Khedar, Hisar.
SUPERVISION/QUALITY CONTROL OF WORK

1. 100% checking/supervision of the work will be done by the concerned Mtc. Division i.e. BMD-I&II, TGM-I, II RGTPP.

2. The contractor will submit the advance programmed/list of jobs/activities proposed to be done during the week at the start, to the concerned Mtc. Division as well as to SE/O&M-I&II/XEN/BMD-I, II/Xen/TGM-I, II to appraisal of CE/RGTPP. This programmed shall be checked out in consultation with the concerned Mtc. Divisions i.e. BMD-I &II, & TGM-I&II RGTPP.

3. After completion of the job/work and successful commissioning of the equipments to place on record that the work has been done by the contractor as per scope of work of the work order, PROTOCOLS will be prepared by the contractor in consultation with concerned Mtc. Division (executing agency) got signed from:

On the PROTOCOLS, a certificate will be recorded by the contractor that all the observations pointed out during supervision by HPGCL were attended.

-sd-
XEN/TGM-II
For Chief Engineer/RGTPP,
HPGCL, Khedar, Hisar.
CONTRACT AGREEMENT

This contract agreement entered into this _____ day of the month of ________, 20__ between Haryana Power Generation Corporation Ltd., a body corporate constituted under the Indian Company Act, 1956 herein after called Corporation which terms shall include all its heirs and successors on the one hand and M/s ______________________________ which terms shall include all its heirs and successors on the other hand.

Whereas a contract for _______________________________________________ at RGTPP, Khedar, Hisar for the work of ________ as officially described in tender documents issued against NIT no._________________________ dated ______ and concluded by the issue of Work Order no. ____________________ dated _____ appended hereto between Corporation & Contractor. Whereas Contractor further agree to abide by all labour laws, rules and regulations which may be enforced from time to time. Whereas the contractor also agree to absolve the Corporation from all risks & responsibilities towards the labour engaged by the contractor during execution of the above said work.

The contractor will comply with all the provisions of the relevant labour laws/Acts and the rules /regulations framed there under. In the event of RGTPP, Khedar, Hisar being obliged to pay the compensation, the contractor will indemnify the Corporation. The labour regulation shall be treated as part of the contract. Any break of labour laws/regulation shall be treated as breach of the contract.

Here RGTPP, Khedar, Hisar and the contractor have agreed to execute an agreement.

Now this deed witness and parties hereto hereby mutually agree as above.

In witness thereof, the contractor & HPGCL hereto set their hands as under.

Signature of the contractor                                                                        Signature & designation

In presence of witness and on behalf of HPGCL in presence of witness

Witness                                                                                               Witness

1.                                                                                                        1.
2.                                                                                                        2.
Acceptance Certificate

I ___________________________________ (Name of the person with designation) of M/s ______________________________________________________

Hereby accept all the terms and conditions given in the above tender document.

For M/s ______________________________________