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: xenbmd2.rgtpp@hpgcl.org.in

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

e-TENDER DOCUMENT

FOR

BIENNIAL MAINTENANCE CONTRACT (BMC) FOR ROUTINE / PREVENTIVE / BREAKDOWN MAINTENANCE OF BOILER PRESSURE PARTS, COAL & OIL BURNER ASSEMBLIES, WIND BOX, HP VALVES, SAFETY VALVES, FANS, APH'S, ESP, DUCTING & FUEL OIL PUMPS ETC. FOR 2X600 MW UNIT-I & II AT RGTPP, KHEDAR, HISAR.

NIT No.:52/RGTPP/BMD-II/574
Date:24.09.2026

EXECUTIVE ENGINEER/BMD-II,
RAJIV GANDHI THERMAL POWER PLANT,
HPGCL, KHEDAR, HISAR.
EMAIL ID- xenbmd2.rgtpp@hpgcl.org.in

HPGCL
An ISO:9001, ISO:14001
& OHSAS:18001
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Telephone No. 82220-23837

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HPGCL An ISO:9001, ISO:14001 & OHSAS:18001 Certified Company	**RAJIV GANDHI THERMAL POWER PLANT, KHEDAR, HISAR** (A Unit Of Haryana Power Generation Corporation Ltd.) **Regd. Office: Urja Bhawan, C-7, Sector-6, Panchkula** Corporate Identity Number: U45207HR1997SGC033518 Website: www.hpgcl.org.in Email: xenbmd2.rgtpp@hpgcl.org.in **Telephone No. 82220-23837**

ONLINE NOTICE INVITING TENDER

E-tenders in two parts are invited on behalf of Chief Engineer/RGTPP, Haryana Power Generation Corporation Limited (HPGCL) Khedar, Hisar from eligible parties for Biennial Maintenance Contract For Routine / Preventive / Breakdown Maintenance of Boiler Pressure Parts, Coal & Oil Burner Assemblies, Wind Box, HP Valves, Safety Valves, Fans, APH's, ESP, Ducting & Fuel Oil Pumps etc. for 2x600 MW Unit-I & II at RGTPP, Khedar, Hisar.

Tender Enquiry No.	**NIT No.52/RGTPP/BMD-II/574** **Date:24.09.2026**
Description of Work	BIENNIAL MAINTENANCE CONTRACT (BMC) FOR ROUTINE / PREVENTIVE / BREAKDOWN MAINTENANCE OF BOILER PRESSURE PARTS, COAL & OIL BURNER ASSEMBLIES, WIND BOX, HP VALVES, SAFETY VALVES, FANS, APH'S, ESP, DUCTING & FUEL OIL PUMPS ETC. FOR 2X600 MW UNIT-I & II AT RGTPP, KHEDAR, HISAR.
Earnest Money	Rs. 7,97,200/-
Period of Contract	Two Years and further extendable to 3 months
Cost of Tender documents (Non-refundable)	Rs. 1180/-.
E-services fees (Non-refundable)	Rs. 1180/-.
Start date and time of tender uploading	24.09.2026 18:00 hrs.
Last date for submission of online tender	23.10.2026 up to 11:00 hrs.
Due date & time of opening of technical bid (Part-I)	27.10.2026 16:00 hrs.

Executive Engineer / BMD-II
For Chief Engineer / RGTPP
HPGCL, Khedar, Hisar

ANNEXURE-I

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

1. The Bidders can download the tender documents from the Portal : https://etenders.hry.nic.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 e-Service 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://etenders.hry.nic.in may be referred.

Note: -

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

II. 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.

The following are exempted from depositing the earnest money:-

1. Public Sector Undertakings of the Central / Haryana State Government.
2. Firms borne on D.G.S. & DG/DS&D Haryana rate contracts.
3. Firms registered with the Director of Industries, Haryana or registered with National Small scale Industries Corporation, Govt. of India. The exemption shall be for the specified items which are available on Director of Industries, Haryana / National Small Industries Corporation Rate Contract.
4. Firms borne on the HPGCLs approved list of suppliers which may have made a permanent earnest money deposit of Rs.10.00 Lakh at the respective Project/office of HPGCL, if they quote the Registration number given by the respective project/office of HPGCL in their tender papers.
5. Bidders who are registered on HEWP and have deposited one time deposit are also eligible for EMD exemption. However, bidder shall submit bid specific Earnest Money Declaration Form generated from HEWP.

III. 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. The bidders shall quote the prices in price bid format.

IV. Bidders seeking EMD exemption on the basis of their NSIC registration certificates must ensure that their **NSIC certificates must be valid on the date of submission of bidder's tender failing which no EMD exemption shall be granted**.

V. Submission of bids will be preceded by submission of the digitally signed and sealed bid (hash) as stated in the time schedule (key dates) of the tender.

Executive Engineer / BMD-II
For Chief Engineer / RGTPP
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ANNEXURE-II

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://etenders.hry.nic.in. Please visit the website for more details.

2. Obtaining a Digital Certificate:

2.1. 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.

2.2. 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://etenders.hry.nic.in.

2.3. 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:

2.4. 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).

2.5. 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.

2.6. 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.

2.7. 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.

2.8. **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://etenders.hry.nic.in.**

2.9. **For help manual please refer to the 'Home Page' of the e-Procurement website at https: //etenders.hry.nic.in. and click on the available link 'How to ……..?" to download the file.**

2.10. 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 Portalhttps://etenders.hry.nic.in.

4. Pre-requisites for online bidding:

In order to bid online on the portal https://etenders.hry.nic.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://etenders.hry.nic.in.

6. Download of Tender Documents:

The tender documents can be downloaded free of cost from the e-Procurement portal https://etenders.hry.nic.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:

8.1. The bidders shall have to pay for the Tender document fee, EMD fees & e-Service Fee (Rs. 2,360/-) 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.

8.2. 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.

8.3. 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**.**
For help manual please refer to the 'Home Page' of the e-Procurement website at https: //etenders.hry.nic.in. **and click on the available link 'How to..?' to download the file.**

10. Standard Operation Procedures under GST and TDS provisions

The standard Operation Procedure adopted by HPGCL under GST and TDS provisions are given below: -

1. The below mentioned undertaking have to be submitted by bidder on its letter head while submitting tender on e-portal:-
   - 1.1. GST registration is valid as on date.
   - 1.2. No default has ever been made by bidder in filing the various GST returns and deposit of GST dues with the department.
   - 1.3. Bidders having multiple registrations under GST will submit undertaking for each & every GST number. A default under a GST number even if the GST number pertains to some other state, will make the vendor ineligible to participate in tender. **Points 1.1 to 1.3 in one undertaking (Annexure-XIV)**
   - 1.4. A CA certificate regarding validity of GST registration will be submitted every six months during the tenure of contract.
   - 1.5. Vendor will submit copies of GSTR I and GSTR 3B/challans as evidence to deposit of GST with certification that GST collected from HPGCL, to be specified in exact rupees, has been paid to Govt. vide this challan (specifying the challan no. & date of deposit) and returns filed (date of filing of return) includes the transaction of supply of Good or/and services to HPGCL.
   - 1.6. Vendor will inform immediately the HPGCL about initiation of any proceeding (if any) against him under the GST laws which may result in suspension or cancellation of GST number of the Vendor. **Points "a" to "*e*" in one undertaking (Annexure-XV)**
   - 1.7. Undertaking to indemnify the HPGCL in case of any financial implication on HPGCL due to non-compliance of prescribed obligation under the GST Law on part of the Supplier/vendor. **(Annexure-XV)**
2. After end of the financial year, supplier of goods and /or services to provide copies of GSTR 1, GSTR 2A and GSTR 3B along with copies of invoices raised to HPGCL, duly reconciled with three returns (GSTR 1, GSTR 2A, GSTR3B) up to 30th June of next year.
3. In case there is difference in value of invoice, due to difference in quantity or quality actually supplied, GST will be applied on revised value of invoice
4. If firm having multiple GST registration numbers, the GST number linked to place of supply/service should be submitted during the submission of tender on e-portal.
5. Generation of e-invoice for GST supplies by the person having aggregate turnover of more than Rs. 5 Crs is made compulsory. The e-invoice generated by vendors having turnover more than 5 crore should contain the invoice reference number (IRN) and QR code. It is worthwhile to note that any tax invoice including tax credit / Debit note issued by such notified person for B2B supplies without following the e-invoicing procedure shall not be treated as a valid document.

6. The vendor who are not generating e-invoice in already provided format if their turnover is less than 5 crore should be given an undertaking as **Annexure-XVI.**
7. GSTR 2A should be matched with amount of GST paid. In case, the details are not there in GSTR2A, issue needs to be taken up with vendor and GST consultant of HPGCL.
8. In case of ARCs/AMCs having duration above one year, copies of GSTR 1, GSTR 2A and GSTR 3B along with copies of invoices raised to HPGCL, duly reconciled with three returns (GSTR 1, GSTR 2A and GSTR 3B) to be submitted on quarterly basis.
9. EMD and Securities/Bank guarantees taken by HPGCL may be refunded only after payment of GST by vendor/contractor which was charged from HPGCL.
10. In case any issue arises with respect to failure by the firm in GST compliances, all future payments to be put on hold after having consultation with HPGCL's GST consultant.
11. Bidder has to give undertaking of Annexure- XIII to XVI mentioned above on its letter head while submitting tender on e-portal.

Executive Engineer / BMD-II
For Chief Engineer / RGTPP
HPGCL, Khedar, Hisar

ANNEXURE-III

GENERAL INSTRUCTIONS TO THE BIDDERS

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

The tender documents of only those bidders shall be considered who fulfil the following eligibility criteria and submit documentary evidences in support of the same along with copy of performance certificate / repeat order from the same organization if any:

The bidder should have successfully carried out erection, testing & commissioning of coal based Boilers directly or as a sub vendor of BHEL or SEC China / R-Infra of generating Unit of 110 MW & above and should have minimum one year experience of their maintenance in the preceding 7 years ending last day of the month previous to the one in which bids are invited, in HPGCL / NTPC / Govt. Organization / Any SEBs / Any PSUs / Any Corporations / Central Govt. / State Govt. / Semi-Govt. or in any Thermal Power Plant.

OR

The bidder should have minimum one year experience of O&M of pressure part/Rotary Parts & ESP of Boilers of generating Unit of 110 MW or above in the preceding 7 years ending last day of the month previous to the one in which bids are invited, in HPGCL / NTPC / Govt. Organization / Any SEBs / Any PSUs / Any Corporations/Central Govt. / State Govt. / Semi-Govt. or in any Thermal Power Plant.

The minimum value of work order(s) executed for the above referred work(s) during last seven years ending last day of the month previous to the one in which bids are invited should be as below:

i) In case of single work order, the value of executed work order should not be less than Rs. 155.19/- lacs

ii) In case of two work orders, the value of each executed work order should not be less than Rs. 96.99/- lacs

iii) In case of three work orders, the value of each executed work order should not be less than Rs. 77.59/- lacs

Note: A bidder must have executed contracts for all the packages including boiler pressure parts, boiler rotary parts and ESP within the stipulated time frame as mentioned in the e-NIT.

2. **Turn Over:** Bidder must have **average annual turnover of minimum Rs. 193.99/- lacs** in last three consecutive financial years ending on 31.03.2026.

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

3. The bidder should possess PAN card, EPF Account Number, ESI Registration Number and GST Registration Number.

4. **The bidder must mandatorily upload a valid certificate of SPECIAL CLASS boiler repairer / fabricator. As per notification issued by Central Boilers Board- New Delhi dated 27.06.2008 and regulation no. 392 of IBR-1950, only a special class repairer is legally authorized to carry out repair works in boiler with drum pressure greater than 125kgf/cm². Interested bidders must submit a valid special class repairer certificate issued either by Chief Inspectorate Boilers, Haryana or from Chief Inspectorate Boilers of any other state or union territory of India. That certificate issued either by Chief Inspectorate Boilers, Haryana or from Chief Inspectorate Boilers of any other state or union territory of India must remain valid throughout the execution of contract. The Special class certificate of bidder must be valid on the date of submission of tender. In case the validity of this certificate expires during the execution of contract, the bidder must get its validity extended within next 30 days**

from the date of expiry of the certificate from Chief Inspectorate Boilers of any state or union territory of India. <u>In case of non-availability of this certificate with any of the prospective bidder, a copy of challan for the fee deposited for issuance of this certificate shall also be acceptable but the bidder (that too must be valid on or before the last date of bid submission of tender), in case of award of work order, must positively furnish a copy of valid license with the first running bill. No undertaking in this regard shall be accepted.</u>

5. **The bidder must mandatorily upload <u>minimum 02 copies of FORM-XIII</u> of IBR welders issued either by Chief Inspectorate Boilers, Haryana or from Chief Inspectorate Boilers of any other state or union territory of India. These certificates shall have to be got endorsed mandatorily from Chief Inspectorate Boilers, Haryana.**

6. **Bidder has to certify itself for its eligibility with supporting documents to participate in the NIT stating that it is not under any default towards compliances under any of the labor laws 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 36 & 37 of the HPGCL Works and Purchase Regulations 2015.**

7. **Bidder(s) must have HEWP contractor Identity while applying for the tender failing which firm's tender will be straight way rejected**.

8. The bidder should possess labour license from Labour Department of Haryana or the bidder has to give an undertaking that he will apply within 30 days from the date of issuance of work order. **<u>In case of award of work order, the bidder must positively furnish a copy of valid labour license with the first running bill.</u>**
   Note:

   a. The firm should submit authentic supporting documents for proving its credential. Original documents may be asked for verification at the time of finalizing the tender. A certificate to the effect that the tenderer is not black listed from any Public Sector undertakings of Central Govt. / State Govt./SEBs/Corporations has to be furnished by him.
   b. Decision of the HPGCL regarding fulfilment of pre-qualification requirement shall be final and binding upon the bidders.
   c. If the bidder has a supply/work order for a period of more than one year, the period and the proportionate value of the order which have been completed prior to the month in which applications are invited (duly supported by successful completion/execution certificate for such period/value) shall be taken into consideration for assessing the eligibility criteria.
   d. 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.
   e. Calculation of Average Annual Turnover
      i) Average Annual Turnover = Sum of the Annual Turnover (ATO) of preceding three years / 3 (As per audited Accounts)
      ii) Annual Turnover (ATO) = ECX12/CP
      EC= Estimated Cost
      CP= Job Completion in months (Contract Period)
      iii) Other income shall not be considered for arriving at annual turnover.
      iv) 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 Charted Accountant shall be considered acceptable.

7. **<u>Eligibility of the black listed firms to participate in NIT:</u>** The firms which have been blacklisted by HPGCL or any other Centre or State Power Utility/ Board or Corporation/ or any other Thermal/Hydro Electricity project in the past 05 years shall not be eligible to participate in 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 blacklisted 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 (36 and 37) of the corporation.

8. PART-I Tender shall be opened on the due date & time and Part-II shall be opened on subsequent date which shall be intimated separately to those tenderers whose Part-I is considered complete in all respects and found technically and commercially suitable as per the tender conditions.

9. A committee nominated by HPGCL shall evaluate all the bids for fulfilment of qualifying criteria. Technical deviations for scope of work mentioned in Part-A and Part-B shall not be entertained at any cost and the same may lead to disqualification of technical bid as well.

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

11. The firm should fill statement of bidders Performa as per **Annexure-X** and submit authentic supporting documents for proving its credential. Original documents may be asked for verification at the time of finalizing the tender.

12. Conditions of the contract and other information can be had from the office of Executive **Engineer/BMD-II, RGTPP, HPGCL, Khedar, Hisar (Email ID: xenbmd2.rgtpp@hpgcl.org.in, Mobile: 8222023837**

13. **)**, on any working day prior to last date of downloading of Tender Documents & Bid Preparation.

14. Cost of Tender and EMD in any other form other than (online deposition) shall not be accepted.

15. The Tender Document can also be seen on HPGCL website www.hpgcl@org.in.

16. 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.

17. No provision for price escalation is made on any account. The price quoted by the tenderer shall be FIRM till the contract is completed. The tenderer's acceptance of this condition should be indicated along with the Bid. Rates shall be quoted by the tenderer in concurrence with rate quoting sheet.

18. 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.

19. **Rate/Price Quoting Method:-**The tender/offer should be online. The tenderer shall quote the prices in English language and international numerals. No alterations, omissions, erasers or whitening, additions or rewriting shall be permitted. Changes if any shall be affected only by cancelation of original writing by striking and rewriting it alongside duly initialled by the person signing the bid. In case there is a discrepancy between the amounts in figures and in words, the amount in words will govern. The price must be quoted in Indian Rupees as a whole and any mistake in calculating the rupee price will not justify the claim for increase in prices. For the purpose of tender, the metric system of units shall be used.

20. **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.

21. 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.

22. The tenderer shall submit their tender in two parts- the first part containing documents for qualifying criteria, technical specification, and all other terms and conditions except the rates (price bid), and the second part containing the rates (price bid) as per rate quoting sheet.

23. 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.

24. 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.

25. 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.

26. The rates quoted by the tenderer should be very competitive and as prevailing in the market and should be firm and lump-sum.

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

28. Suo-moto 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 Suo-moto 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/competent authority.

29. The rate negotiations shall be held as per Haryana state government negotiation policy in vogue.

30. **No deviation shall be allowed.**

31. 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.

32. 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.

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

34. The whole work against this tender shall be awarded to a single firm whose overall quoted/equated prices are lowest for the complete package.

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

36. 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.

Executive Engineer / BMD-II
For Chief Engineer / RGTPP
HPGCL, Khedar, Hisar

ANNEXURE-IV

SCOPE OF WORK OF BMC OF ROUTINE / PREVENTIVE / BREAKDOWN MAINTENANCE OF BOILER PRESSURE PARTS, COAL & OIL BURNER ASSEMBLY, WIND BOX, HP VALVES, SAFETY VALVES, FANS, APH'S, ESP, DUCTING & FUEL OIL PUMPS ETC. FOR 2X600 MW UNIT-I & II AT RGTPP, KHEDAR, HISAR.

PART-A (Main Scope of Work)

A. BOILER PRESSURE PARTS

I. Oil Guns

All related works of removal/cleaning/refitting of HFO/LDO guns including minor repair works i.e. steam/oil leakage from hose pipe is to be carried out by the firm.

II. Burners Tilt Mechanism

Up keep of burner tilt mechanism, SOFA tilt mechanism, clearing of any jamming including cleaning, replacement of shear pin & any other minor work involved in Burner Tilt.

III Soot Blowing System

a) Thorough inspection & up-keeping /Routine MTC of Water wall & LRSB soot blowing system, oiling /greasing of drive mechanism including LRSB's and cleaning of components.
b) Providing assistance during soot blowing, manual withdrawal during stuck up of soot blower in advance position with handle or chain pulley block, if required.
c) Removal of damaged Wall blower/LRSB part immediately in next available shut-down.

IV. Safety Valves

Popping-up of safety valve, if required should be carried out. Providing assistance when a safety valve got floated to set-right the same.

V. LP Welding

Minor repairing Work of LP welding jobs/joints of all size including replacement of pipe, if any will be covered in the scope of part-A.

VI. Routine Work on High Pressure Valve/Low Pressure valve

a) Daily check-up of high-pressure valve required to avoid minor leakage from valve glands, bonnet flange. If any minor leakage observed attend & inform immediately to Engineer In-Charge.
b) Opening/closing of high pressure valve/low pressure valve manually as per direction of Engineer In-Charge.
c) Repair, Servicing, parts/gasket replacement & attending steam leakages of all type of installed HP Valves i.e. Gate/ Globe / NRV / Steam traps Seats etc. (except 600 mm size Valves i.e. Main Steam Stop Valves, Feed Line Valve, Eco. Inlet NRV etc.) & all type of steam safety valves which also includes the LP/HP valves of all types in FANS area, SCAPH area, APH area, HFO/LDO day tank area, HFO/LDO storage tank area and fuel oil station of boiler.
d) Servicing, repairing & maintenance of mechanical portion of mechanically actuator operated valve / replacement of actuators consisting of FANS area, SCAPH area, APH area, HFO/LDO day tank area and HFO/LDO storage tank area which also includes.
   (i) Servicing of mechanical portion of electrical actuator / replacement of actuator.
   (ii) Servicing of mechanical portion of air operated actuator/ replacement of actuator.

VII. Coal Leakage

Coal Leakages near the burner panel (27 to 40 met. Elevation) isolating gate shall be checked every-day and attended immediately, if any. Coal leakage of Victaulic coupling is in scope of ARC of coal mills.

VIII. BCP Pumps

I. Purging of BCP pump located at 24 met. elevation shall be carried out under supervision of operation staff whenever required.

II. Clearing of any choking of BC Pump cooler and purge cooler.

IX. Daily round of boiler (from 0 met. to 90 met.) at least twice a day or more if desired by EIC (i.e. AEE/AE concerned). Filling of any data/readings as per direction of Engineer in charge.

B. BOILER ROTARY PARTS

The jobs detailed below shall be carried out by the firm round the clock as per requirement to ensure smooth & trouble free operation.

I. Daily round of Fans/RAPH/ESP/HFO/LDO Pumps house/DG Sets Room etc. at least twice a day or more if desired by EIC (i.e. AEE/AE concerned) for detection of any abnormality and intimating the same to EIC. Filling of any data/readings as per direction of Engineer-in Charge and removal of any unwanted material/scrap from the site.

II. HFO / LDO pumps

1. Cleaning / Replacement of HFO/LDO filter of Pressuring Pump House and Unloading Pump House.
2. Checking of oil level of HFO/LDO Pumps in Pressuring Pump House and Unloading Pump House and top up the same.
3. Cleaning of oil trays of HFO pumps/LDO pumps at Pressuring Pump House and Unloading Pump House.

III. ID Fans, FD Fans & PA Fans

1. Top up of lube oil tanks with lubricant oil.
2. Preventive maintenance of Fans.
3. Checking of lube oil pumps.
4. Cleaning of filters.
5. Attending minor oil leakages from various piping or joints of lube oil systems & fans.
6. Checking of vibration as and when required.
7. Decoupling & coupling of cooling air fan of ID Fan.
8. Checking & tightening of clamps of suction/ discharge expansion bellows of ID/FD/PA fans.
9. Re-fixing of clamps of suction/ discharge expansion bellows of ID/FD/PA fans, if broken during running of fans.
10. Attending any minor jamming problem/ manual closing/ opening of various suction/ discharge/by pass dampers of fans.
11. Replacement of Jali of cooling fans of ID fan.
12. Attending of air leakages from man holes by providing asbestos rope, silicate or other suitable material.
13. Servicing of flap of ID fan cooling fans for its free movement.

IV. Seal Air Fans, Scanner Air Fans & Seal Air Blowers

1. Top up of bearing housing with lubricant oil.
2. Preventive maintenance of above Fans & blowers.
3. Checking of vibration as and when required.
4. Attending any jamming problem of damper / gate.
5. Cleaning of filters of scanner air fans.

V. ESP

1. To check gearbox of rapping mechanism for any abnormal sound.
2. To regularly clean oil and dust from the gear boxes of rapping mechanism.
3. Opening & closing of man holes of ESP for checking of fields including replacement of asbestos rope.
4. Opening & closing of hopper man holes including replacement of asbestos rope.
5. Making manhole leak proof by changing gland rope.
6. Routine / preventive maintenance of rapping gear box and other equipment of ESP along with checking and top up of oil as per requirement.
7. Manual opening & closing of ESP inlet & outlet gates, if required.
8. Dismantlement of rapping gear box for checking of defective parts and their replacement, if any with new spares.

VI. Rotary Air Pre-Heater

1. Cleaning of lube oil pumps, cleaning of lube oil filters, gearbox, support and guide bearing housing, etc.
2. Servicing /removal of choking problem of suction and discharge pipe lines of lube oil system.
3. Opening & closing of Hot End/Cold End man holes including replacement of asbestos rope.
4. To attend minor air/ gas leakage from RAH and connecting ducts by applying silicate/ M. seal.
5. Toping up of oil in Support bearing & Guide bearing.
6. Toping up of oil in gear boxes installed on RAH and associated preventive maintenance work.
7. Preventive maintenance of RAH soot blowers.
8. Priming of lube oil pumps as & when required.
9. Replacement/ Repairing of Chain of APH soot blower.
10. Opening & closing of drain valves of APH's hoppers for water washing of APH's through system.
11. Manual operation of APH soot blowers as & when required in the presence of operation staff.
12. Replacement of lube oil pumps of guide / support bearing.

VII. SCAPH System: Attending of leakages of air and steam/water except maintenance of HP/LP Valves.

VIII. DG Sets (Emergency DG Sets)

1. Topping up oil in DG sets & water (coolant) in radiator.
2. Carrying out the routine maintenance including filter cleaning etc.
3. Assisting the service carried out by the OEM Engineer.
4. General fault attending including tightening of loose nut/ bolt or gasket changes etc.

C. COMMON ACTIVITIIES

1. Attending of oil / steam / water leakage in boiler area (from zero meter to 92.5 meter) and in fuel oil pump house area including leakages in steam tracing line, drains line, vents, minor modification/repair of pipe line which includes gas cutting, grinding & welding up to 1 inch pipeline.
2. Attending flue gas and air leakages from peepholes &manholes of Furnace, wind box, APH's, ESP's, air & flue gas ducts by providing asbestos ropes and tightening of bolts including its opening & closing. Servicing & maintenance of SOFA dampers for their free movement & other minor maintenance required in SOFA ducting of all four corners is in the scope of the contractor.
3. Attending the minor leakage of HFO / LDO / Steam / Air & Water from the valves / flanges /lines at any location of boiler, pressurizing pump house, unloading pumps, oil transfer pumps, drain pumps, day oil tank area and storage tank area by replacement of gasket/welding.
4. Attending of steam/water/oil/gas leakage from flanges/bonnets by replacement gasket/damage bolts/valves.
5. Replacement of gland packing / gasket of various oil/steam / air valves and pipe line.
6. Attending oil/water leakage from various joints / flanges /unions in the lube oil system and bearing cooling water system including replacement of damaged flanges, unions, valves etc.
7. Replacement of hose pipes of water/ lube oil/Air System.
8. Topping up of oil in pumps, fans, actuators and gear boxes.
9. Routine / Preventive maintenance of hoist including oiling / greasing, checking of brakes, rope and its adjustment and replacement of damaged rope.
10. Making temporary extra cooling arrangement of coolers/bearings of fans& APH by jute cloth, air pipe & dipping water etc. Deputation of round the clock manpower for regular monitoring of bearing temperatures & taking needful actions as per site requirement.
11. Any day-to-day routine / preventive maintenance work including minor welding of broken cleats, supports and brackets and replacement of valves etc. as per the instructions of Engineer-in-Charge.

12. Erection of minor temporary Platform including 2-3 pipes/Jalis required to execute any work shall be in the scope of contractor.
13. The removal of insulation, G. I. sheet/AL Sheet up to one meter square or so to carry out any job & re-fixing the same after completing the job will be in the scope of contractor.
14. Cleaning of equipment's in boiler area, rotary parts area, ESP & fuel oil pump house etc.

Note:

1. Above works related to routine / preventive maintenance are of indicative nature and may be carried out periodically. Out of the above jobs, some activities will be required to be undertaken as per site requirement on daily need basis.
2. Any of the work relating to above scope not indicated but required to be carried out as per site requirement is deemed to be included and contractor shall accomplish the same at no extra cost.
3. The Common Activities relating to Boiler Pressure Parts site will be attended /carried out by the man power engaged on Boiler Pressure Parts site. Similarly, the common activities relating to Boiler Rotary Parts site shall be attended / carried out by the man power engaged on Boiler Rotary Parts site. The contractor is allowed to shift manpower from Pressure Part Site to Rotary Part Site & vice versa in case of urgent site requirement with the consent of concerned XEN/AEE/JE.

Executive Engineer / BMD-II
For Chief Engineer / RGTPP
HPGCL, Khedar, Hisar

ANNEXURE-V

SCOPE OF WORK OF BIENNIAL MAINTENANCE CONTRACT FOR ROUTINE/ PREVENTIVE/ BREAKDOWN MAINTENANCE OF BOILER PRESSURE PARTS, COAL & OIL BURNER ASSEMBLIES, WIND BOX, HP VALVES, SAFETY VALVES, FANS, APH'S, ESP, DUCTING & FUEL OIL PUMPS ETC. FOR 2X600 MW UNIT-I & II AT RGTPP, KHEDAR.

PART-B (Unit Rate Items)

A. BOILER PRESSURE PARTS (PART-B)

Sr. No	Description Of Work	Unit	Completion Time	Tentative Freq. (For 02 Years)
1	Mobilization & attending the boiler tube leakage / preventive maintenance of pressure parts tubes in boiler but excluding Platen Super Heater area, Divisional Super Heater area, Platen Re Heater area, Finish Reheater area, steam cooled SH spacer tubes and liquid cooled positioning tubes. It includes cutting, welding, fit-up, grinding and replacement of tube of all sizes and thickness involving up-to 10 nos. HP joints. Note:- (i) 3 Nos. Metal Built-ups each having length up-to 100 mm will be considered as one joint and each window type joint will be considered as equivalent to 3 normal joints. (ii) Through inspection for identification of failed tubes & inspection of adjoining area in vicinity of failed tube(s) will be in the scope of work of contractor. To identify and attend the tubes found damaged & eroded tubes due to secondary damage. (iii) Minor scaffolding (i.e. up to using 5 nos. jalis for height of 1 mtr from base will be in scope of contractor & no separate payment will be made. **(iv) Attending tube leakages in Radiant re-heater area from outside of furnace shall also be covered under this head.**	Each boiler	72 hrs.	28
2.	Mobilization & attending the boiler tube leakage / preventive maintenance of **Platen Re Heater** area. It includes cutting, welding, fit-up, grinding and replacement of tube of all sizes and thickness involving up-to 10 nos. HP joints. Note:- (i) 3 Nos. Metal Built-ups each having length up-to 100 mm will be considered as one joint and each window type joint will be considered as equivalent to 3 normal joints. (ii) Through inspection for identification of failed tubes & inspection of adjoining area in vicinity of failed tube(s) will be in the scope of work of contractor. To identify and attend the tubes found damaged & eroded tubes due to secondary damage.	Each boiler	100 hrs.	08

	(iii) Removal and re-installation of flexible connectors shall also be in the scope of contractor. (iv) Scaffolding as per site requirement for attending the tube leakages in above mentioned area will be in scope of contractor & no separate payment will be made.			
3.	Mobilization & attending the boiler tube leakage / preventive maintenance of **Final Re Heater** area. It includes cutting, welding, fit-up, grinding and replacement of tube of all sizes and thickness involving up-to 10 nos. joints. Note:- (i) 3 Nos. Metal Built-ups each having length up-to 100 mm will be considered as one joint and each window type joint will be considered as equivalent to 3 normal joints. (ii) Through inspection for identification of failed tubes & inspection of adjoining area in vicinity of failed tube(s) will be in the scope of work of contractor. To identify and attend the tubes found damaged & eroded tubes due to secondary damage. (iii) Removal and re-installation of flexible connectors shall also be in the scope of contractor. (iv) Scaffolding as per site requirement for attending the tube leakages in above mentioned area will be in scope of contractor & no separate payment will be made. (v) Pre & Post Heat treatment of joints as per procedure shall be in the scope of contractor.	Each boiler	100 hrs.	08
4.	Erection of *boiler maintenance platform/ sky-climber/Jhoola* for attending tube leakages in Divisional SH panels, Platen SH panels, Panel RH tubes (if attended from inside the first pass of furnace), SH steam cooled spacer tubes and liquid cooled positioning tubes involving up-to 10 nos. HP joints. 3 Nos. Metal Built-ups each having length up-to 100 mm will be considered as one joint and each window type joint will be considered as equivalent to 3 normal joints. **NOTE: Failure to complete this job satisfactorily shall attract a penalty of Rs. 75,000/- per instance.**	Each boiler	120 hrs	04
5.	Attending tube leakages in pent house portions, connecting tubes of all pendant SH and RH panels, radiant roof tubes, any other miscellaneous pipeline as well as removal and re-fixing of hand hole caps of headers	Each joint	100 hrs	04
6.	Radiography of up-to 10 nos. HP joints. Engagement of a qualified Level-II NDT expert who could interpret RT films correctly along with RT source/camera of appropriate strength shall also be in the scope of the contractor. NDT expert shall submit a detailed report clearly mentioning whether the welding joint is satisfactory or not.	Each visit	5 hrs	16

7.	Carrying out Radiography of HP joints in addition to 10 nos. joints mentioned at Sr. No. 6 above.	Each joint	45 minutes per joint	100
8.	Carrying out HP joint in addition to 10 nos. joints mentioned at Sr. No. 1, 2, 3, 4 & 5 to above in boiler. It includes cutting, welding, fit-up, grinding and welding of one no. joint of tube of all sizes and any thickness of boiler in area covered under Sr. No. 1, 2, 3, 4 & 5 above.	Each joint	2 hours per joint	100
9.	Metal build ups on worn out boiler tubes in boiler including Economiser, LTSH, SCW, WW, Platen Super Heater area, Divisional Super Heater area, Platen Reheater area, Finish Reheater area, Panel/wall Reheater area, SH spacer tubes and liquid cooled positioning tubes half round surface by HP welder up-to 100 MM length. 01 no. build-up will be counted as "each joint" for billing purpose.	Each up-to 100 MM length	45 minutes per built up	200
10.	Attending leakage by welding of HP Joints of outside the boiler including replacement of pipe up to 1 Mtr. Length / valve / bends by cutting, welding, grinding and fit-up work for each joint. **NOTE: In case IBR welder capable of doing the above work does not reach RGTPP within 4 Hrs. of verbal/written/SMS instructions by EIC (i.e. AEE/AE Concerned) or higher authority & hence work could not be started or IBR welder engaged is found incompetent then penalty of Rs. 5,000/- will be imposed on the contractor which will be in addition to other penalty clauses as applicable**. Also work will be got carried out through outside agency which will cost minimum Rs. 20,000/- per day at the risk & cost of the contractor and hence deducted from his running bill/s as per risk and cost clause mentioned in General terms and conditions of this contract. It is pertinent to mention that above value of risk & cost will be over & above the penalty amount.	Per inch dia. Each joint	2 hrs. per joint	20
11.	Stress relieving activity along with installation of pre-heating coils and post-heating coils as well. The supply and application of thermal insulation mattress must also be included in the scope of contractor. This activity must be limited to total 05 spots only.	Each	24 hrs	4
12.	Replacements of gasket of man hole of boiler drum including minor repair/grinding, if any	Each	24 hrs.	4
13.	Repair, rectification & re-fixing of cassette baffles.	Each	4 hrs.	8
14.	Providing & Re-positioning of twisted shields/ Replacement of shielding plates/shrouds plated on various boiler tubes.	Nos.	20 minutes	400
15.	Casting (castable/plastic) refractory on boiler.	MT	8 hrs.	8
16.	Providing skin casing with 3mm plate	Per m^2	10 hrs.	20
17	Providing buck stay pin / repairing of buck stay.	Each	10 hrs.	12
18	Providing of scaffolding & platform in the inside/outside boiler area (height X length) with width of 2 nos. Jalis (i.e. 2-3 feet approximately)	Per Sq. Mtr.	1 Hrs. for each sq. mtr.	800

19	Replacement of steam tracing line.	RM	2 hrs.	40
20.	Internal water washing of goose neck area (i.e. rear arch area) and 2nd pass of boiler.	Each Boiler	24 hrs.	8
21.	External water washing of boiler from 42 Meters (approximately) to bottom ring header elevation	Each Boiler	36 hrs.	4
22.	External water washing of boiler from pent house to zero meter including 2nd pass	Each Boiler	36 hrs.	8
23.	Checking of Burner Tilt Mechanism and rectification thereof at one corner. a) Disconnections of all reach rods from burner tilt mechanism as per requirement. b) Dismantling of burner tilt mechanism including removal of drive shaft after disconnecting from burner tilt power cylinder. Removal of burner tilt power cylinder from its position if required by C & I maintenance and refitting of same & replacement of burner tilt shear pin/ other pins, if found damaged. c) Lubrication of pins, shafts, studs of reach rod etc. As per requirement. d) Repair/ replacement of reach rod turn buckle, pivot pins, pins of tilting mechanism as per requirement. e) Assembly & refitting of burner tilt mechanism. f) Connections of all reach rods to burner tilt mechanism and zero setting of all nozzle tips. g) Tilting trail of burner tilt. Ensure free operation of burner tilt up-to +/ - 30 degree connecting with power cylinder and trail operation power cylinder.	Each Corner	30 hrs.	8
24	Rectification of jammed secondary air damper from inside wind box. a) Cleaning and removing of all the ash accumulated in SADC partition plate in all the four corners and cleaning shafts and bush with diesel/ rustoline etc. As per requirement. b) Repair/ replacement of damper flaps, bush, glands, links and partition plate of damper compartment as per requirement. c) Making damper operation free & smooth. d) Providing damper movement indicators over the shaft as per requirement. e) Repairing secondary air damper lever & its connection with damper power cylinder if required. f) Removal of bush of drive end & non drive end along with bush housing in case of jamming of SADC if required & refitting of same after repairing or replacement by new. g) Repairing and replacement of stopper. NOTE: Scaffolding if required for above work will be paid extra as per unit rate under item No. 18.	Each damper	10 hrs.	40

25	Rectification of jammed secondary air damper from outside wind box.	Each damper	3 hrs.	100
26	Repairing of scanner guide assembly including its removal from panel, repair/replacement of worn-out parts if required and checking its movement with tilting mechanism.	Each	10 hrs.	40
27	Servicing / overhauling of oil gun assembly with Igniter including replacement of worn-out parts if required.	Each	4 hrs.	24
28	Opening/closing of oil gun/coal nozzle/air chamber for inspection	Each	6 hrs.	120
29	Removal, refitting & servicing of burner isolating gate with replacement of gaskets etc. at furnace end. NOTE: All the associated works such as removal/ locking of fuel inlet elbow, removal of Victaulic coupling etc. Required for completion of above job is included in scope of work. **In case work is not started within reasonable time after verbal/ written/ SMS instructions by EIC (i.e. AEE/AE concerned) or higher authority or manpower engaged is found incompetent then penalty of Rs. 5,000/- per day will be imposed on the contractor which will be in addition to other penalty clauses as applicable.** Also work will be got carried out through outside agency which will cost approximately minimum Rs. 30,000/- plus taxes extra as applicable per day at the risk and cost of other agency of the contractor and hence deducted from his running bills. It is pertinent to mention that above value of risk will be over and above the penalty amount.	Each meter	12 hrs.	20
30	Repairing of boiler seal trough dipping plate which includes lifting/lowering/bolting etc as per requirement.	Each meter	2 hrs.	60
31	Repair/replacement of tie rod of any hanger in boiler area.	Per meter	8 hrs.	20
32	Replacement of SS wire mesh in seal trough area	Each	4 hrs.	40
33	Complete servicing of wall soot blower.	Each	2 hrs.	20
34	Repairing/replacement of Chain of long retractable soot blower	Each	6 hrs.	20
35	Complete servicing/Repairing of long retractable soot blower including Gear Box including lance, other spares replacement etc if required	Each	12 hrs.	20
36	Repair, Servicing, replacement of damaged spares / gaskets & attending steam leakages of valves/ NRVs of size 600 mm & above.	Per inch dia.	12 Hrs	20
37	Sealing of Bottom Ash Hopper from Z panel	Each Boiler	12 Hrs	8
38	Refurbishment, modification and assemble of coal compartment assemblies of boiler	Each	48 Hrs	10
39	Installation of coal compartment assemblies of boiler	Each	48 Hrs	10

B. BOILER ROTARY PARTS (PART-B)

Sr. No.	Description of Work	Unit	Completion time	Tentative Freq.
ID/FD/PA/SEAL AIR/SCANNER AIR FANS & SEAL AIR BLOWERS				
40	Replacement of complete rotor assembly (i.e. Main Bearing Housing with Shaft, Impeller and Hydraulic Cylinder) of ID Fans, Model No. SAF 38.5-22.4-1. Work has to be carried out as per scope of work mentioned in Annexure-III. **Note:** In case work is not started within reasonable time after verbal/ written/ SMS instructions by EIC (i.e. AEE/AE concerned) or higher authority or manpower engaged is found incompetent then penalty of Rs. 15,000/- per day will be imposed on the contractor which will be in addition to other penalty clauses as applicable.	Each	48 hrs	8
41	Replacement of complete double stage rotor assembly (i.e. Main Bearing Housing with Shaft, Impeller and Hydraulic Cylinder) of PA Fans, Model No. PAF 20.2-12.5-2. Work has to be carried out as per scope of work mentioned in Annexure-III. **Note:** In case work is not started within reasonable time after verbal/ written/ SMS instructions by EIC (i.e. AEE/AE concerned) or higher authority or manpower engaged is found incompetent then penalty of Rs. 15,000/- per day will be imposed on the contractor which will be in addition to other penalty clauses as applicable.	Each	48 hrs	8
42	Replacement of complete rotor assembly (i.e. Main Bearing Housing with Shaft, Impeller and Hydraulic Cylinder) of FD Fans, Model No. FAF 25-13.3-1 **Note:** 1. Removal of suction & discharge fabric joints of casing. Opening of upper cover of fan and shifting of same on floor with the help of EOT crane. Removal of coupling guard and decoupling of intermediate shaft as per site requirement. Decoupling of intermediate shaft from Fan side by dis-assembly of 02 nos. rig flex couplings as well as from motor side. Removal of all blades from impeller of Fan. Removal of Allen bolts of main bearing housing and removal of all supply & return oil lines for lube oil & control oil. 2. Disengagement of actuator and then hydraulic cylinder from the Fan Assembly. 3. Lifting of complete Assembly from Fan housing with EOT crane with utmost care to avoid any damage. 4. Shifting of removed Fan Assembly from site to any other location or to Mechanical Workshop with hydra machine as per directions of EIC. 5. **The rotor assembly of FD fan weighs approximately 4 Tonnes. Therefore, hydra machine will be required positively for shifting the rotor assembly and will be in the scope of contractor.** 6. In case work is not started within reasonable time after verbal/ written/ SMS instructions by EIC (i.e. AEE/AE concerned) or higher authority or manpower	Each	48 hrs	8

	engaged is found incompetent then penalty of Rs. 15,000/- per day will be imposed on the contractor which will be in addition to other penalty clauses as applicable.			
43	Dismantlement, Servicing and preparation of ID Fan rotor Assembly Model No. SAF 38.5-22.4-1. Work has to be carried out as per scope of work mentioned in Annexure-III. **Note:** In case work is not started within reasonable time after verbal/ written/ SMS instructions by EIC (i.e. AEE/AE concerned) or higher authority or manpower engaged is found incompetent then penalty of Rs. 20,000/- per day will be imposed on the contractor which will be in addition to other penalty clauses as applicable.	Each	72 hrs	8
44	Dismantlement, Servicing and preparation of double stage PA Fan rotor Assembly Model No. PAF 20.2-12.5-2. Work has to be carried out as per scope of work mentioned in Annexure-III. **Note:** In case work is not started within reasonable time after verbal/ written/ SMS instructions by EIC (i.e. AEE/AE concerned) or higher authority or manpower engaged is found incompetent then penalty of Rs. 20,000/- per day will be imposed on the contractor which will be in addition to other penalty clauses as applicable.	Each	72 hrs	8
45	Dismantlement, Servicing and preparation of FD Fan rotor Assembly Model No. Model No. FAF 25-13.3-1. **Note:** 1. Dismantlement of bearing housing and impeller of old and spare assembly at Fan site using heat treatment, **hydraulic jacks of 100 tonnes capacity**, oil pumps etc. 2. Transportation of FD Fan Assembly of 4 tonnes from site (if lying at site) to Mechanical Workshop by hydra etc. after carrying out proper slinging / lifting arrangement to ensure safe transportation. **The rotor assembly of FD fan weighs approximately 4 Tonnes. Therefore, hydra machine will be required positively for shifting the rotor assembly and will be in the scope of contractor.** 3. Transportation of Fan bearings and other required material from O&M store to workshop. Opening of side covers of main bearing housing. Removal of shaft from bearing housing by making proper arrangement of pulling etc. as per site requirement. Removal of all bearings from shaft & bearing housing as per requirement. Fitting of new bearings on the shaft after oil bath heating/induction heater or any other method as per site requirement and directions of Engineer in charge. 4. Assembling of shaft with bearings & bearing housing. Fixing of side covers of bearing housing along with all rubber seals / O-Rings etc as per directions of engineer in charge. Mounting impeller by making arrangement for hub expansion by hydraulic oil	Each	72 hrs	8

	pressure. Positioning of impellers on shaft as per OEM specifications. Tightening of lock nut of the impeller. 5. Transportation of prepared Bearing Housing from Mechanical Workshop to Fan site using hydra. 6. Proper placement of complete Assembly on stand for safe storage purposes. 7. In case work is not started within reasonable time after verbal/ written/ SMS instructions by EIC (i.e. AEE/AE concerned) or higher authority or manpower engaged is found incompetent then penalty of Rs. 20,000/- per day will be imposed on the contractor which will be in addition to other penalty clauses as applicable.			
46	Decoupling & coupling after alignment of ID/FD/PA Fan with motor	Each	8 Hrs.	8
47	Replacement of blade pitch control system (i.e. Hydraulic Cylinder) of ID/FD/PA Fan	Each	12 Hrs.	8
48	Opening & Re-fixing of top casing of ID/FD/PA Fan including removal/ replacement of fabric expansion joint of casing.	Each	14 Hrs.	20
49	Attending oil leakage of bearing housing of ID/FD/PA Fans excluding top cover opening.	Each	06 Hrs.	12
50	Attending oil leakage of blade pitch control system of ID Fans including removing/ replacement of cover plate.	Each	12 Hrs.	8
51	Replacement of complete set of blades of ID/FD fans excluding top cover opening.	Each set	48 Hrs.	8
52	Replacement of complete set of blades of both impellers of PA fans excluding top cover opening.	Each set	48 Hrs.	4
53	Replacement of lube oil pump or coupling of lube oil pump, including opening & re-fixing of Lube oil pump of ID / FD / PA Fan	Each	6 Hrs.	8
54	Removal of impeller of scanner air fan from motor shaft and its refitting.	Each	06 Hrs.	12
55	Attending cooler tube leakage of lube oil system of ID/FD/PA fans.	Each	4 Hrs.	8
56	Cleaning of oil coolers.	Each	8 Hrs.	80
57	Replacement of oil after thorough cleaning of oil chamber from inside.	Each	8 Hrs.	40
58	Servicing of ID fan blade bearing/rotor/impeller assembly **NOTE:** 1. Transportation of ID fan impeller from site to the workplace i.e. workshop by hydra. 2. Fabrication of dismounting and mounting tools, jigs and fixtures as per the requirement of execution of work. The material as well as workshop facilities available at RGTPP will be provided to the firm. 3. Dismantlement of Impeller of ID fan a) Removal of Ring/cover of Impeller. b) Removal of sliding block levers. c) Removal of counter weights. d) Removal of blade shaft bearings, blade shaft and brass bushing. 4. Cleaning of all internals of Impeller. 5. Joint inspection for identifying damaged parts. DP test for each and every part is to be carried out for identifying any crack, discontinuities, flaws etc. 6. Assembly of impeller	Each	120 Hrs.	4

	a) Replacement of mandatory sealing, PTFE/NBR and other sealing material. b) Re-fitting blade shaft bearings, blades shaft, counter weights, sliding blocks levers etc. c) Checking the free movements of blade bearing assembly. d) Touch-up painting as per site requirement e) All consumable i.e. special grease, electrodes, paint DP kit etc. will be in the scope of the firm. f) Arrangement of Hydra will be in the scope of firm. g) **Failure to complete this job satisfactorily shall attract a penalty of Rs. 75,000/- per instance.**			
59	Replacement of DE/NDE bearings of ID/PA fan motors	Each	24 Hrs	4
AIR PREHEATERS				
60	Repairing of steam/ air lance of soot blower by welding	Each	4 Hrs.	16
61	Cleaning of lube oil coolers.	Each	4 Hrs.	32
62	Replacement of mechanical seal of lube oil pump of guide/ support bearing including dismantlement & assembly of pump.	Each	4 Hrs.	16
63	Water washing of APHs through washing system or Fire Fighting line.	Each	8 Hrs.	12
64	APH rotor level setting/alignment **NOTE:** 1. Cleaning the area around bearing pedestal, support and reference point. 2. Removal of soot deposit from top & bottom to avoid false readings. 3. Opening of all cold end and hot end manhole of Tri–sector RAPH. 4. Fixing the master level on diaphragm plate. 5. Rotating the rotor and recording the master level readings. 6. Adjustment of rotor to bring level to permissible limit. 7. Checking alignment of sector plate. 8. Alignment of sector plate, if required. 9. Closing the manhole after completion of work. 10. **Failure to complete this job satisfactorily shall attract a penalty of Rs. 50,000/- per instance.**	Each	72 Hrs.	4
ELECTRO STATIC PRECIPITATOR				
65	Coupling & decoupling of rapping mechanism gear boxes of ESP	Each	2 Hrs.	60
66	Checking of ESP field	Each	4 Hrs.	300
67	Checking of rapping mechanism of one complete pass	Each	20 Hrs.	32
68	Removal of snapped emitting electrodes	Each	2 Hrs.	700
69	Erection of new emitting electrodes	Each	2 Hrs.	700
70	Repairing/ replacement of shock bar, Repairing of guide bar	Each	8 Hrs.	80
71	Replacement of shaft insulator	Each	2 Hrs.	100
72	Replacement of plain fixed / free bearing	Each	3Hrs.	160

73	Re-positioning / removal / replacement of deflection plate.	Each	8 Hrs.	30
74	Repairing of worn/ damaged manhole	Each	4 Hrs.	20
75	Cleaning of shaft insulators	Each	2 Hrs.	512
76	Attending leakages of ash by welding from inside of hopper including cleaning of surface of hopper for pointing out leakage, formation of temporary platforms if required etc. Attending leakage from the Economizer hopper (by pressure part team) shall also be covered under this activity.	Each	8 Hrs.	80
77	Fabrication, repair & fitment of Flap assembly of Mechanical Ash Level Indicators of ESP hoppers.	Each	02 Hrs.	100
DUCT, GATES & DAMPERS				
78	Patch work on ducts up to 300mm x 300mm	Each	1 Hr.	600
79	Repairing of duct with welding (welding in running meter)	Per meter	1 hr.	600
80	Repair / replacement of fabric expansion bellow in air/ flue gas duct or in any other area irrespective of width	Per meter running length	First 1m in 4 hrs after that 2 hrs per meter	550
HFO / LDO PUMPS				
81	Replacement of cartridge of HFO/LDO pressurizing pump including replacement of mechanical seal, bearings, if required, including alignment and normalization.	Each	24 Hrs.	4
82	Replacement of mechanical seals of HFO/LDO unloading pump/ transfer/pressurizing pump	Each Pump	12 Hrs.	12

C. MISCELLANEOUS UNIT RATE JOBS COMMON TO BOILER PRESSURE PARTS AND ROTARY PARTS

83	Erection of temporary platform in the different auxiliary's area (Height X Length) up to width of 02 jali's. In addition to the work covered in part A.	Per Sq. Mtr.	1 Hrs. For each sq. Mtr.	540
84	Deployment of below mentioned manpower as per requirement for the miscellaneous jobs which are not covered above. A gang of 1 no. Tech. & 1 no. Helper for attending any misc. Job for duration of 4 hours.	Each	4 hrs.	120
85	Deployment of below mentioned manpower as per requirement for the miscellaneous jobs which are not covered above: A gang of 1 no. Rigger. & 1 no. Helper for attending any misc. Job for duration of 4 hours.	Each	4 hrs.	120
86	Deployment of below mentioned manpower as per requirement for the miscellaneous jobs which are not covered above. A gang of I no. Painter & I no. Helper for doing any misc. Painting job for duration of 4 hours.	Each	4 hrs.	20
87	Fabrication & erection of Misc. Steel structure	Per Ton	48 hrs. as per indent	40

88	Removal/re-fixing of any dislocated / bulged skin casing /3.15mm sheet up to 01 Sqr. Meter in boiler	Per sqr. Mtr.	06 Hrs.	60
89	Deputation of 01 no. Class-II vibration analyst/service engineer for balancing/alignment of ID/FD/PA/seal air/scanner air fans. This includes transportation charge of service engineer.	Each	08 hrs	12

Executive Engineer / BMD-II
For Chief Engineer / RGTPP
HPGCL, Khedar, Hisar

ANNEXURE-VI

ADDITIONAL SCOPE OF WORK

FOR ASSEMBLY PREPARATION OF ID & PA FANS

Scope of Work for Dismantlement, Servicing and Preparation of single stage ID Fan rotor Assembly

A. Dismounting of bearing housing and impeller of old and spare assembly at ID Fan site:

1. Alteration / repair of special temporary tools at workshop for disassembly the bearing housing and impeller of old & dismantled ID Fan Assembly lying at site.
2. Removal of lock nut of the impeller.
3. Making necessary arrangement for expansion of welded hub by sufficient hydraulic oil pressure for removal of impeller from the bearing Housing shaft.
4. Installation of special T&P, hydraulic jacks, oil pumps etc. for forcing out the impeller from shaft.
5. Heating of welded hub by 2- 3 gas cutting torches may also be required for the above work.
6. Removal of impeller from the shaft by using special T&P and heating as per site requirement.
7. All associated work required for disassembly the bearing housing and impeller of old & dismantled ID Fan Assembly included in scope of work.
8. Shifting and stacking of ID Fan impeller Assembly within ID Fan site, if required.
9. Arrangement of Hydra Machines required will be in the scope of firm on his own expanses.
10. Transportation of ID Fan Assembly from site (if lying at site) to Mechanical Workshop by hydra etc. after carrying out proper slinging / lifting arrangement to ensure safe transportation.

B. Replacement of bearings of old main bearing housing with shaft:

1. Transportation of ID Fan bearings and other required material from O&M store to workshop.
2. Alteration / Repair of special temporary tools at workshop for disassembly of main bearing housing.
3. Opening of side covers of main bearing housing.
4. Removal of shaft from bearing housing by making proper arrangement of pulling etc. as per site requirement.
5. Removal of all 3 Nos. bearings from shaft & bearing housing as per requirement.
6. Proper cleaning of bearing housing.
7. Fitting of new bearings on the shaft after oil bath heating or any other method as per site requirement and directions of Engineer in charge.
8. Assembling of shaft with bearings & bearing housing.
9. Fixing of side covers of bearing housing along with all rubber seals / O-Rings etc. as per directions of engineer in charge.
10. Transportation of prepared Bearing Housing from Mechanical Workshop to ID Fan site.

C. Preparation of Complete Fan Assembly of Main Bearing Housing with Impeller:

1. Making necessary arrangement for expansion of welded hub by hydraulic oil pressure.
2. Installation of fabricated special T&P, hydraulic jacks, oil pumps etc. for forcing impellers into shaft for interference fit.
3. Heating of welded hub by 2-3 gas cutting torches for interference fitment of impeller on shaft if required.
4. Positioning of impellers on shaft as per OEM specifications.
5. Removal of side covers for inspection of impeller internals & any minor rectification work if required as per Engineer in charge is also to be carried out.
6. Tightening of lock nut of the impeller.
7. Proper placement of complete Assembly on stand for safe storage purposes.

Note:

1. Any other minor work required to be carried out for completion of above job as per direction of Engineer in charge will also be in scope of the contractor.

2. Hydra Machine or any other mean, if required for disassembling of ID Fan Assembly, transportation of repaired spare Fan Assembly from site and shifting of removed Fan Assembly from site (if required) to Mechanical Workshop and will be arranged by the contractor in the scope of work.

Scope of Work for replacement of ID fan rotor assembly

A. Removal of Main Bearing Assembly with impeller, blades & hydraulic Cylinder etc. of ID Fan:

1. Opening of upper cover of ID Fan after removal of suction & discharge fabric joints of casing and shifting of same on floor with the help of EOT crane.
   Note: Trained persons must be deployed as upper cover should not strike to blades and damage them.
2. Removal of coupling guard (before intermediate shaft) for decoupling of intermediate shaft from motor side, if required.
3. Removal of coupling guard (after intermediate shaft) for decoupling of intermediate shaft from Fan side.
4. Decoupling of intermediate shaft from Fan side by dis-assembly of 02 nos. rig flex couplings as well as from motor side, if required.
5. Making of necessary space between impeller & coupling for removal of complete Assembly of impellers and bearing housing. The above job may include cutting & re-welding of interfering piece, if any.
6. Removal of all 20 nos. blades from impeller of ID Fan.
7. Removal of Allen bolts by which main bearing housing is fixed on Fan housing.
8. Removal of all supply & return oil lines for lube oil & control oil.
9. Disengagement of actuator and then hydraulic cylinder from the Fan Assembly.
10. Lifting of complete Assembly from Fan housing with EOT crane with utmost care to avoid any damage.
11. Shifting of removed Fan Assembly from site to any other location or to Mechanical Workshop with hydra machine, if required.

B. Fixing of hydraulic impeller blade adjustment system / servo mechanism in Spare Assembly of ID Fan:

1. Shifting of spare Fan Assembly from current location to BMD-II site near ID Fans by hydra machine.
2. Mounting of hydraulic impeller blade adjustment system / servo mechanism on the impeller of spare Assembly. This work is to be carried out by experienced skilled manpower by taking utmost care as the work requires high precision.
3. Assembling of end cover plates etc. of impeller.
4. Oil filling in impeller's blade bearing assemblies to the level recommended by OEM, if required.
5. Fitting of hydraulic cylinder on the impeller of ID Fan Assembly in dismounted position.

C. Placement of repaired spare Assembly in the Fan:

1. Positioning of spare Assembly with the help of EOT crane at lower housing of ID Fan.
2. Tightening of Allen bolts for fixing main bearing housing with lower housing of ID Fan and shaft.
3. Coupling of intermediate shaft at ID Fan bearing Assembly side by assembling of 02 nos. rigs flex couplings.
4. Fixing of 20 nos. blades on impeller and tightening of bolts with required torque.
5. Alignment of Fan with motor if required as per site requirement which include below mentioned activity
   a) Rough alignment of Fan with respect to motor by reverse dial gauge method.
   b) Final alignment of Fan with respect to motor as per the guidance of vibration expert.
   c) Tightening of all the foundation bolts to remove the soft foot.
6. Fixing of coupling guard on coupling between motor & intermediate shaft and between intermediate shaft and ID Fan Assembly.
7. Fitting of all oil supply pipes & lube oil supply line, return line, excess oil line & control oil supply line.
8. Engagement of actuator with gear box through coupling to hydraulic impeller blade adjustment system / servo mechanism.

9. Setting of opening & closing of blade pitch from 0 to 100%.

D. Alignment of hydraulic cylinder:

1. Providing of welding temporary support inside the casing to install aligning instruments.
2. Installing the impeller cone over the hydraulic cylinder on the impeller.
3. Carrying out alignment of hydraulic cylinder with respect to impeller cone as per OEM recommendation.
4. Removal of temporary support and connecting lube oil hoses with the hydraulic cylinder.

E. Trial run of Fan & balancing of Assembly:

1. Assisting the balancing expert for balancing the ID Fan bearing Assembly, if required.
2. Trial run of ID Fan on no load in the presence of technical expert for vibration analysis / balancing.
3. Balancing of ID Fan 2A as per site requirement, if required.

F. Box up of Fan after balancing with fixing upper cover & tightening of bolts.

G. Re-fixing of fabric joints on suction & discharge of Fan.

Note:

1. Any other minor work required to be carried out for completion of above job as per direction of Engineer in charge will also be in scope of the contractor.
2. Hydra Machine or any other mean, if required for disassembling of ID Fan Assembly, transportation of repaired spare Fan Assembly from BMD-II site and shifting of removed Fan Assembly from site (if required) to Mechanical Workshop and will be arranged by the contractor in the scope of work.

Scope of work for Replacement of PA Fan rotor assembly

A. Mobilization of trained /skilled manpower at RGTPP, Khedar.

B. Removal of existing Impeller & Bearing rotor Assembly of PA Fan:

I. Removal of fabric joints/bellows on suction & discharge side of PA fan.
II. Opening of top casing of PA Fan by loosening all the bolts from the casing body.
III. Lifting of top casing and keeping the same at adjoining area.
IV. Removal of coupling guard from intermediate shaft and motor end (if required) for decoupling of Impeller and bearing assembly.
V. Dismounting of all 48 Nos. blades from First stage & second Stage Impellers of the Fan.
VI. Removal of all supply & return oil lines for lube oil & control oil.
VII. Disengagement of actuator and then hydraulic cylinder from the Assembly.
VIII. Decoupling the Impeller and bearing assembly from the intermediate shaft and from motor shaft.
IX. Removal of Impeller and bearing assembly from situ position.

C. Removal of hydraulic impeller blade adjustment system / servo mechanism from installed PA Fan rotor Assembly

D. Shifting of PA Fan rotor Assembly from current location to site by Hydra.

I. Fixing of hydraulic impeller blade adjustment system / servo mechanism in repaired PA Fan Assembly available with at RGTPP, HPGCL.
II. Mounting of hydraulic impeller blade adjustment system / servo mechanism removed from PA fan on the repaired rotor assembly. This work is to be carried out by experienced skilled manpower by taking utmost care as the work requires high precision.
III. Fitment of servo mechanism shaft for hydraulic movement of impeller blades at DE of the Fan.
IV. Assembling of end cover plates/cone etc. of impeller.
V. Rough alignment of hydraulic cylinder head on the impeller (NDE) of PA Fan rotor assembly in dismounted position.

E. Placement of spare/repaired/original PA Fan rotor Assembly in to Housing of PA Fan:

I. Positioning of repaired assembly with the help of EOT crane at lower housing of PA Fan.
II. Tightening of Allen bolts for fixing main bearing housing with lower housing of PA Fan and shaft.
III. Coupling of shaft at motor side as well as PA Fan bearing assembly side by assembling of 01 no. rig flex coupling.
IV. Fixing of all removed blades on both the impellers (DE & NDE) and tightening of bolts at required torque.

V. Alignment of Fan with motor as per site requirement which include below mentioned activity
a. Rough alignment of Fan with respect to motor.

b. Final alignment of Fan with respect to motor.
c. Checking & tightening (if required) of all the foundation bolts.

VI. Fixing of coupling guard on coupling between motor & PA Fan assembly.
VII. Fitting of all oil supply pipes i.e. & lube oil supply line, return line, excess oil line & control oil supply line.
VIII. Installation of actuator and gear box of actuator and alignment thereof.
IX. Engagement of actuator through coupling to hydraulic impeller blade adjustment system / servo mechanism.
X. Setting the opening & closing of blade pitch from 0 to 100%.

F. Alignment of hydraulic cylinder:

I. Erecting of temporary support inside the casing to install aligning instruments.
II. Carrying out alignment of hydraulic cylinder with respect to impeller cone & final tightening of the impeller cone over the hydraulic cylinder on the impeller.
III. Removal of temporary support and connecting lube oil hoses with the hydraulic cylinder.

G. Trial run of PA Fan and balancing of Fan:

I. Assisting the balancing expert for balancing the PA Fan 2B bearing assembly.
II. Trial run of PA Fan on no load in the presence of technical expert for vibration analysis / balancing.
III. Assistance in Balancing of PA Fan as per site requirement, if required.
IV. Re fixing of fabric joints/bellows on suction & discharge side of PA fan.
V. Final Trial run of PA Fan.
VI. Alignment and balancing expert will be in the scope of HPGCL.

Note:

1. Any other work required to be carried out for completion of above job as per direction of Engineer in charge will also be in scope of the contractor.
2. Hydra Machine required for transportation of PA Fan assembly from workshop to site and back to workshop will be arranged by the contractor in the scope of work.
3. In order to balance, rectification etc. the fan rotor assembly may be removed and reinstalled a nos. of times as per site requirement. No extra cost will be paid to the firm for that.

Scope of Work for Dismantlement, Servicing and Preparation of spare Double stage PA Fan rotor Assembly

A. Dismounting of bearing housing and impellers of old and spare assembly at PA Fan site:

1. Alteration / repair of special temporary tools at workshop for disassembly the bearing housing and impeller of old & dismantled PA Fan Assembly lying at site.
2. Removal of lock nut of the impellers.
3. Making necessary arrangement for expansion of welded hub by sufficient hydraulic oil pressure for removal of impeller from the bearing Housing shaft.
4. Installation of special T&P, hydraulic jacks, oil pumps etc. for forcing out the impeller from shaft.
5. Heating of welded hub by 2- 3 gas cutting torches may also be required for the above work.
6. Removal of impeller from the shaft by using special T&P and heating as per site requirement.
7. All associated work required for disassembly the bearing housing and impeller of old & dismantled PA Fan Assembly included in scope of work.
8. Shifting and stacking of PA Fan impeller Assembly within PA Fan site, if required.
9. Arrangement of Hydra Machines, if required, will be in the scope of firm on his own expanses.
10. Transportation of PA Fan Assembly from site (if lying at site) to Mechanical Workshop by hydra etc. after carrying out proper slinging / lifting arrangement to ensure safe transportation.

B. Replacement of bearings of old main bearing housing with shaft:

1. Transportation of PA Fan bearings and other required material from O&M store to workshop.
2. Alteration / Repair of special temporary tools at workshop for disassembly of main bearing housing.

3. Opening of side covers of main bearing housing.
4. Removal of shaft from bearing housing by making proper arrangement of pulling etc. as per site requirement.
5. Removal of all 4 Nos. bearings from shaft & bearing housing as per requirement.
6. Proper cleaning of bearing housing.
7. Fitting of new bearings on the shaft after oil bath heating or any other method as per site requirement and directions of Engineer in charge.
8. Assembling of shaft with bearings & bearing housing.
9. Fixing of side covers of bearing housing along with all rubber seals / O-Rings etc. as per directions of engineer in charge.
10. Transportation of prepared Bearing Housing from Mechanical Workshop to PA Fan sit, if required.

C. Preparation of Complete Fan Assembly of Main Bearing Housing with Impellers:

1. Making necessary arrangement for expansion of welded hub by hydraulic oil pressure.
2. Installation of fabricated special T&P, hydraulic jacks, oil pumps etc. for forcing impellers into shaft for interference fit.
3. Heating of welded hub by 2-3 gas cutting torches for interference fitment of impeller on shaft, if required.
4. Positioning of impellers on shaft as per OEM specifications.
5. Removal of side covers for inspection of impeller internals & any minor rectification work if required as per Engineer in charge is also to be carried out.
6. Tightening of lock nut of the impellers.
7. Proper placement of complete Assembly on stand for safe storage purposes.

Note:

1. **The Dismantlement, Servicing and Preparation of spare double stage PA Fan rotor Assembly may be carried out under supervision of OEM/OED service engineer and all instructions of the service engineer regarding bearing clearance, axial floats etc. have to be strictly followed. However, the decision as well as payment for hiring OEM/OED service engineer will be in RGTPP's scope.**

Scope of work for Refurbishment and modification of coal compartment assemblies and Installation of coal compartment assemblies of boiler.

A. Refurbishment and modification of coal compartment assemblies

1. Lifting of coal compartment assemblies from scrapyard of RGTPP Main Stores or site store.
2. Hydra, tractor trolley, fork-lift etc. shall be in the scope of contractor.
3. Repairing by metal build up or patch work etc. and hard-facing of coal nozzle & SS Tips bodies.
4. Removal of existing divider plate and installation of flat divider plate by welding procedure if required.
5. Removal of damaged fasteners and preparing new threads with M16 tapping set.
6. Installation of new fasteners, pin brackets and other coal compartment accessories.
7. Fixing and alignment of coal nozzle SS tips, coal nozzle compartment assemblies complete with all accessories and other accessories as per the manufacturer recommendations.
8. Transfer of assembled coal compartment assemblies to 27mtr boiler elevation.
9. Alignment of coal nozzle tips and matching with the outside tilt mechanism.
10. The spare parts such as sealed plates, pivot bracket, front supports, rear supports, reach roads, pivot pins, nut bolts etc. if required will be provided by RGTPP.
11. Special purpose compatible welding electrode shall be arranged by the contractor i.e. (Eutectrode N-700 or XHD Abratech-6710 for Coal Nozzle and XHD Abratech-6715 for coal nozzle tips).Quantity of welding electrodes required for hard facing/repair of coal nozzle and coal nozzle tips is 6-7 Kg each. These special purpose welding electrodes must be applied as per instruction of Engineer-in-charge.
12. General purpose welding electrode including Superbond, E6013 etc. shall be in the scope of contractor. T&Ps, gas cylinders, consumables, chain blocks etc. shall be in contractor's scope.
13. Any other minor work associated with repair/replacement/refurbishment of coal compartment assemblies shall also be in the scope of contractor.

B. Installation of coal compartment assemblies of boiler.

1. Lifting of refurbished coal compartment assemblies from RGTPP Main Store or Site Store.

2. Transfer of assembled coal compartment assemblies to 27mtr boiler elevation.
3. Removal of damaged fasteners and preparing new threads with M12 tapping set from burner chamber plates.
4. Installation of new fasteners in burner chamber plates.
5. Installation of ceramic fibre tape for sealing burner chamber box plates.
6. Formation of gasket from 3mm CAF non-metallic joining sheet.
7. Fixing and alignment of coal nozzle SS tips, coal nozzle compartment assemblies complete with all accessories and other accessories as per the manufacturer recommendations.
8. Alignment of coal nozzle tips and matching with the outside tilt mechanism.
9. The spare parts such as ceramic fibre tape, 3mm CAF non-metallic joining sheet, fasteners etc. if required will be provided by RGTPP.
10. General purpose welding electrode including Superbond, E6013 etc. shall be in the scope of contractor. T&Ps, gas cylinders, consumables, chain blocks etc. shall be in contractor's scope.
11. Any other minor work associated with installation of coal compartment assemblies shall also be in the scope of contractor.

Executive Engineer / BMD-II
For Chief Engineer / RGTPP
HPGCL, Khedar, Hisar

ANNEXURE-VII

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 7 days of receipt of work order as per Annexure-_____.

2) RATE/ CONTRACT PRICE:

The rates shall be firm inclusive of taxes & statutory duties (except GST at the applicable rate) during the period of contract.

3) EARNEST MONEY AND SECURITY DEPOSIT:

3.1. The firm has deposited an amount of 7,97,200/- as the earnest money (EMD) on e-NIC portal and the same shall be converted into security deposit for faithful execution of the contract. The balance amount shall be deducted from the monthly running bills of the firm.

3.2. Security deposit shall be released only after completion of the entire period of the contract and after 30 days of completion of guarantee/warranty period on the certificate of Engineer In-charge & submission of requisite documents of EPF/ESI return by the contractor.

3.3. No interest shall be paid on EMD / Security Deposit for the period it remains deposited with HPGCL.

3.4. The earnest money/security deposit shall be forfeited in part or in full under the following circumstances: -

I. If the tenderer withdraws his tender at any stage during the currency of validity period.
II. 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.
III. In the event of a breach of contract in any manner.
IV. In case of evidence of cartel formation by the bidder(s).
V. 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.
VI. 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.
VII. If the work 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 parts to owner 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. Any financial loss to HPGCL due to poor workmanship or negligence on part of contractor shall also be made good by the contractor at his own cost.

5) PAYMENT TERMS:

100% payment, after deducting 10% security deposit and statutory deductions from the monthly running bills shall be made after satisfactory completion of the work done for each calendar month. The total security deposit obtained after deducting 10% from the monthly running bills in the form of security deposit shall not exceed 10% of the total contract value.

6) MODE OF PAYMENT:

Payment shall be released by the Sr. Accounts Officer/Account Officer, RGTPP through RTGS/NEFT, in the ESCROW account of the contractor which shall be used by the contractor for payment of wages to the workers in their saving account and other statutory obligations like EPF/ESI/etc. For payment through RTGS/NEFT, the contractor will open the requisite ESCROW account by a tripartite agreement with HPGCL and State Bank of India within 7 days of issue of the work order and will intimate the complete bank details viz. Name of Bank/Branch, Account Number, Type of Account, IFSC code etc, to Sr. Accounts Officer/Account Officer. No payment to the contractor shall be release other than in an ESCROW account opened for the purpose. No Bank charges etc. of any kind shall be paid by HPGCL.

7) RISK AND COST:

In case the contractor fails to full 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/NON-SATISFACTORY WORK/NON-COMPLIANCE OF LABOUR LAWS:

a) If the quality of work is not up to the satisfaction of Engineer-in-Charge or there is delay in attending of jobs or in cases of occurrence of failures owing to poor workmanship of contractor, a penalty @ 2.0% of the monthly lump-sum charges (i.e. Part-A) as applicable unit wise shall be levied on the contractor for each default by the Engineer-in-charge. However, relaxation may be given by Engineer In charge if delay is on the part of HPGCL due to non-availability of spare etc.

b) The contractor is advised to deploy specialized skilled and trained manpower for attending boiler tube leakage(s) and inspecting adjoining tubes in the vicinity of failed tube(s). If any of the weld joint(s) made by the contractor for attending boiler tubes leakage gets failed during hydraulic test of boiler to be conducted after attending tube leakage in boiler then penalty @ Rs 20,000/- per failed joint will be levied on the contractor by the Engineer-in-charge. Additionally in case any tube adjoining to tube(s) attended by the contractor gets failed due to improper inspection of outside surface of tubes (i.e. due to secondary erosion) or any of the joint carried out by contractor for attending boiler tube leakage gets failed within 120 Hrs of light up of the boiler after attending boiler tube leakage then lump-sum Penalty of Rs. 50,000/- will be levied for each such default by the Engineer-in-charge on the contractor. These penalties will be over and above all penalties levied under this clause (i.e. clause 8).

c) In case of Part- B scope of work, the time period for the completion of the work shall be intimated in the indent. If the work is not completed within stipulated time as mentioned in the indent, then the penalty shall be levied @ 10% per hour of particular item by the Engineer-in-charge on the contractor. However, relaxation may be given by Engineer-in-charge in case delay is on the part of HPGCL due to non-availability of spare etc.

d) **Use of gas cutters in place of grinders for removal of pressure part tubes or HP-IBR piping shall attract a penalty of Rs. 25,000/- per instance.**

e) Appropriate clauses of below tabulated labour laws regarding delay in deposition of wages of workers, delay in deposition of EPF/ESIC/LWF and other statutory labour obligations shall be applicable on the contractor and penalties shall be imposed for breach of the same by Labour Welfare Officer/RGTPP and in his absence by Engineer-in-charge/RGTPP:

Sr. Nos.	Particulars	Name of Acts
1.	Clause 20: Penalty for offences under the Act	The Payment of Wages Act-1936
2.	Clause 31: Time for payment of contribution	The Employees' State Insurance (General) Regulations-1950 (amended on 11.01.2024)
3.	Clause 14: Penalties	The Employees' Provident Funds and Miscellaneous Provisions Act, 1 952
4.	Chapter VI: Penalties and Procedures	Contract Labour (Regulation & Abolition) Act, 1970 & Rules 1971
5.	Chapter VII: Penalties	The Employee State Insurance Act, 1950

NOTE: In addition to the above penalty if any additional penalty is mentioned in PART B specifically for that item than that amount of penalty will also be imposed on the contractor which will be over and above this penalty.

f) The penalty as imposed above during the month shall be subject to maximum of 20% of the monthly contract value.

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 bill in triplicate to the executive in-charge along with the followings:

a) Tax invoice shall be raised by contractor /service provider which should contain invariably their GST registration no., HSN/SAC code, place of business with address and a unique Invoice number suffix with RGTPP so that the invoice could be distinguish with other place of business of HPGCL i.e. RGTPP, PTPS, DCRTPP, FTPS, Corporate office.

b) A photo copy of the documents as such EPF registration code, ESI registration code, GST number, Labour license, PAN card & TIN etc. as applicable shall be attached with the first running bill for reference and record.

c) Self attested copy of the deposit challan of EPF contribution, ESI challan, 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.

d) Self attested copy of the attendance sheet, wages register and evidence of wages payment.

e) The payment of workers / labour may be made through bank account only. The firm will submit proof of deposit of payment of workers / labour in the bank with monthly running bills.

ii) The bill of the contractor along with the annexure submitted by the contractor at (i) 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 mentioned at (iii) and (iv) 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 Engineer-in charge.(b) The copy of the EPF challan etc. submitted by the contractor pertains 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 small measurement book (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 Labour Welfare Officer stating that contractor has complied with all labour laws and safety clearance certificate from safety officer. In case of non-availability of Labour Welfare Officer/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) IDLE LABOUR CHARGES:

a) No idle labour charges will be admissible in the event of any stoppage caused in the work resulting in contractor's labour being rendered idle due to any cause.

b) In case of non-operation of unit/units, due to any reasons, on the prior instruction of HPGCL of at least 7 days and work/activity is not carried out:

(i) For up to one month, a deduction @35% payment of particular work will be made.

(ii) For more than one month, a deduction @ 50% payment of particular work will be made.

11) GUARANTEE/WARRANTY:

The contractor shall guarantee the work done for a period of 90 days from the date of successful commissioning of equipment repaired under Part-B. **Any damages or defects which may arise or lie undiscovered at the time of completion connected in any way with the workmanship shall be got rectified 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 from the**

invoice/dues/security deposit of the contractor. However, in case the defect caused is not due to poor workmanship than no penalty will be imposed provided Engineer In-Charge is satisfied with the same.

12) ENGINEER-IN-CHARGE (AE/AEE CONCERNED):

The Engineer-in-Charge (AEE/AE concerned) of respective Sites shall have the general supervision of the work. The work shall have to be started by the Contractor as per the instructions from respective Sites **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. In case of any dispute/quarry, the firm may approach the XEN concerned in writing.

13) 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.

14) OVER RUN CHARGES:

No overrun charges shall be paid in the event of the completion period being extended for any reasons.

15) WATCH & WARD:

The watch and ward of associated material & T&P etc. will be the responsibility of the contractor.

16) 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 if available in the RGTPP colony shall be provided on chargeable basis on the request of the contractor.

17) STATUTORY DEDUCTIONS:

Statutory deduction on account of Income Tax etc. including surcharge shall be made at source from the bills of the contractor at the prevailing rates.

18) 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 100% 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.

19) 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-1936, the contractor must 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 (if applicable) 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.

20) SAFETY RULES:

A firm shall have to comply with all the provisions of safety rules. The chief Safety officer may impose penalty of **Rs. 1000/- per day per head** if the workers of contractor are found to be working carelessly without proper protective equipment's in unsafe conditions. Against violation of any other clause, a penalty of Rs. 500/- per violation (minimum) shall be levied. In case of repeated violation of serious nature resulting in various serious accident or direct loss to the corporation/ threatens to cause severe consequences, higher penalty rates may be imposed including suspension/termination of the contract. If any action is initiated by Chief Inspector of Factories, Chandigarh or any other authority against occupier/factory manager

or any other authority of HPGCL in case of any fatal/non-fatal accident or any other violation of factory act, 1948, Pb. Hr. Factory rules, 1952 or any other industrial or labour act, the contractor shall be liable for the same and also to deposit the amount of fine/penalty if any. In case of default action as deem fit shall be initiated against the contractor.

A safety clearance certificate on quarterly basis from the chief safety officer shall be obtained by the contractor and has to be attached along with the bill.

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.

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:

All contracts shall be governed by the laws of India for the time being in force. Irrespective of the place of delivery, place of performance or place of payment under the contract, the contract shall be deemed to have been made at the place from which the acceptance of tender has been issued.

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 deemed to have arisen within the jurisdiction of the court of Hisar, District-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) SUBLETTING AND ASSIGNMENT:

The Supplier shall not, sublet, transfer or assign the contract or any part there of or interest therein or advantage thereof in any part thereof in any manner whatsoever without prior consent of the CE/RGTPP, HPGCL.

HPGCL reserves the right to cancel the work order at any time without assigning any reasons and will not be responsible and will not pay for any expenses or losses that may be incurred by the contractor towards preparation/mobilization for execution of the job against work order.

26) PERFORMANCE BANK GUARANTEE: Unless agreed otherwise, contractor shall submit bank guarantee of the nationalized bank equivalent to 10% of contract value in the prescribed performa valid up to one month after completion of warrantee period.

Executive Engineer / BMD-II
For Chief Engineer / RGTPP
HPGCL, Khedar, Hisar

SPECIAL TERMS & CONDITIONS

1. MANPOWER STRENGTH FOR BOTH UNITS:

a) The firm is allowed to depute its manpower 07 days prior to the date of start of contract, at your cost, to make your team familiar with RGTPP equipment/environment. No claim on account of lack of knowledge of equipment/ environment/ any other issue in this regard will be entertained at later stage. Your firm will be bound to take over the maintenance contract of boiler pressure parts, rotary parts, ESP, fuel oil pump house etc. from the date of start of contract on "***As is where is basis***".

b) The firm has to deploy sufficient manpower to carry out Maintenance of boiler pressure parts, rotary parts, ESP, fuel oil pump house etc. round the clock.

c) The firm will provide Site in charge having BE/B.Tech/equivalent qualification with minimum 3 years' experience or Diploma Holder with minimum 5 years' experience, Foreman with minimum 5 years' experience, Supervisor with minimum 5 years' experience and sufficient technicians (minimum 3 years' experience), valve fitters (minimum 3 years' experience), fitters, grinder-man, riggers, LP welders, skilled and un-skilled helpers. Further in case the parallel work is required to be done at multiple sites than contractor must increase the numbers of supervisor depending upon site requirements.

d) **Firm shall submit the documentary evidence regarding eligibility of the desired manpower along with the first running bill.** As this contract is activity oriented, sufficient manpower shall be deployed by the firm as per requirement of the system.

e) Following man-power must mandatorily remain available in the plant round the clock (24X7) irrespective of running condition of the plant:

   i) **Minimum 01 no. IBR welder-** Form XIII must be valid throughout the period of execution of contract. Validity means issuance as well as endorsement. Endorsement must be valid for state of Haryana.

   ii) **Minimum 01 no. IBR grinder-man-** Must be capable to remove pressure part tubes or HP-IBR piping using only portable grinder or any other grinding machine.

   iii) **Minimum 01 no. HP valve fitter-** Sufficient experience of safety valves.

   iv) **01 no. Site-in-charge-** BE/B.Tech/equivalent qualification with minimum 3 years' experience or Diploma Holder with minimum 5 years' experience. Equivalent qualification shall include only AMIE Section-A and Section-B papers only and no other degree.

f) In case various problems are experienced, simultaneously or depending upon the nature/ severity of the fault, additional qualified manpower as per the direction of Engineer-In - Charge will be arranged by the firm for prompt attending of emergencies without any extra remunerations. **In case of deputation of additional IBR welders, compliance of IBR Act-1923 and IBR-1950 must be ensured under all circumstances, i.e. Form XIII of additional IBR welder deputed must also be valid on the date of deputation at site.**

2. MEASURMENT & BILLING

A. Payment under PART – A

Case 1	For the period when both Units will be in operation: 100% payment, after deducting 10% security deposit and statutory deductions, of the monthly running bill shall be made after satisfactory completion of work done.
Case 2	In case of non-operation of unit/units, due to any reasons, on the prior instruction of HPGCL of at least 7 days and work/activity is not carried out, the payment will be made as mentioned under the clause no. 10 (b) of General terms & conditions.

Note:

1. On the above basis the firm will raise the monthly bills under Part-A separately for each Unit in equivalent amount in both the cases tabulated above.
2. Monthly contract value means per month contract value under Part-A for both Units combined together.

B. Payment under PART - B

The payment will be made as per the actual work carried out. Bills for each unit will be raised for Part-B activities on basis of actual indents issued during the concerned period for which bill is being raised.

All the measurements shall be in metric system. All the works completed under part B will be measured by the representative of the concerned maintenance divisions i.e. BMD-I or

BMD-II. The dates of start/completion & date of measurement, award/indent wise for each equipment under Part B will be recorded in SMB after completion of all the jobs of the award. The time taken for each award shall be recorded on bill also. Normally a confirmed indent shall be issued before start of the work, but in case work is required to be started on holiday or after office hours, the work already carried out shall be confirmed by a post-dated indent. The indent will indicate the date/time of start of work, details of works and the scheduled time of completion. The said indent after completion of work will then be returned back to the Engineer-in-Charge. In case of deputation of additional IBR welders, compliance of IBR Act-1923 and IBR-1950 must be ensured under all circumstances, i.e. Form XIII of additional IBR welder deployed must also be valid on the date of deployment failing which payment under Part-B shall not be released for activities mentioned at Sr. Nos. 1,2,3,4,5,8,9 and 10 of Part-B.

3. ACCOMMODATION:

a) Suitable one no. Type-II & one no. Type-III accommodation in RGTPP colony may be provided to the contractor on chargeable basis, as per HPGCL rates, if available. The contractor himself will arrange electricity meters.

b) Supervisor along with adequate staff is bound to stay near plant locality i.e. within 10 km from plant or in accommodation if provided by HPGCL so that in case of emergency he along with his staff could reach plant immediately to attend plant emergency. This sub-clause is however not applicable to the manpower defined at point no. 1 and sub-point (e) of Annexure-V.

4. TRANSPORTATIONS:

1. Material Transportation:
   The contractor shall make his own arrangement for transportation of the material from stores to site of work.

2. Manpower Transportation:
   The contractor shall make his own arrangement for making available his personnel, at site of work at any time as per the requirement of job.

5. PRESERVATION & STORAGE OF MATERIAL:

All material issued to the contractor by the Corporation or brought by the contractor for its bona- fide use at the work shall be stored and preserved by the contractor in his custody as to avoid it against any loss/damage/shrinkage or deterioration in any form. This will be free of charge. Any loss suffered by the Corporation on this account shall be compensated by the Corporation on this account shall be compensated by the contractor at penal rates to be determined by the Corporation. The rates so determined shall be final and binding on the contractor.

6. MAN POWER DEPLOYMENT RULES:

a) The employees of contractor should not be deemed to be in the employment of HPGCL for any purpose whatsoever. The contractor shall abide by the rules, laws and regulations that may be enforced from time to time regarding the employment conditions of service of his employees. Under no circumstances whatsoever, HPGCL would be held responsible to the labour of the contractor HPGCL shall have the right to pass on the responsibility on the contractor together with any expenses incurred by HPGCL as a result of certain dues on the part of employees of the contractor. HPGCL shall be entitled to recover/claim dues/compensation from the contractor in that event.

b) The labour/employees engaged by the contractor shall not be below the age of 18 years and exceeding 60 years.

c) Further the contractor would furnish an undertaking on Non-judicial stamp paper of appropriate value, for each and every worker employed by him, that the worker will not claim any lien as a worker of HPGCL, for the services, he is rendering to the contractor.

d) The contractor shall also indemnify HPGCL against any liability towards its labour for non-compliance of labour laws etc.

e) The contractor will terminate such employee who is not able to do his job as per satisfaction and whose behavior cause any nuisance or otherwise in the opinion of the Engineer-in-charge, is not fit to be deployed on the work. Such person shall not be re-employed or allowed on the work without the prior written permission of the Engineer-in-charge.

f) Copy of attendance sheet & wages sheet should also be supplied along with monthly bills.

g) To ensure good conduct of all the workmen at work site is responsibility of the

contractor.

h) The contractor may employ such employees, as he may think fit to ensure the execution of the work to the entire satisfaction of Engineer-in-Charge. The contractor shall abide by the rules, laws and regulations that may be enforced from time to time regarding the employment conditions of service of his employees.

i) Under no circumstances whatsoever, HPGCL would be held responsible to the labor of the contractor. HPGCL shall have the right to pass on the responsibility on the contractor for any expense incurred by HPGCL as a result of certain dues on the part of employees of the contractor. HPGCL shall be entitled to recover / claim dues / compensation from the contractor in that event.

7. CONTRACTOR RESPONSIBILITIES:

a) The contractor would station adequate working personnel in such a way that the maintenance work is carried out effectively & without any delay round the clock. The work shall have to start immediately as per the instruction of Engineer-in-charge or his representative. The contractor should be able to mobilize the working force as per the quantum of work and should be capable of executing maintenance work simultaneously at no. of fronts depending upon the site requirements. It is also made clear that the deployment of the workers of contractor will subject to approval of Engineer-in-charge of the work. If more persons are required for the completion of work in the time schedule as per emergency defined by Engineer-in-charge, the same shall be arranged by the contractor without any extra payment to complete the work.

b) All the labour/workman deployed during the execution of the contract shall be adequately got insured by the contractor at his own cost. Proof of the same must be provided along with the first bill.

c) The contractor shall be responsible for any mis-happening / accident to any workmen at site of work & compensation payable to workmen on this account. All liabilities arising out of any provision of labour act / workmen's compensation act shall be the responsibilities of the contractor. Any expenditure incurred by HPGCL arising out of the negligence of the contractor would be recovered from his bills / pending dues.

8. HPGCL shall have power to make any alteration, omission, addition, substitutions for the original specifications and instructions which may be considered necessary during the progress of work and contractor shall carry out the work in accordance with any instructions which may be given to him in writing duly signed by the Engineer-in-charge. Such alterations, omissions, additions, substitutions shall not invalidate the contract and any alteration, additional or substituted work which the contractor may be directed to do shall be carried out by the contractor on the same conditions in all respects on which he has agreed to do the main work.

9. PERIOD OF THE CONTRACT:

The work shall be started as per direction of engineer in-charge after issuing of LOI / W.O. The period of contract shall be **Two Years** from the date of start of work. Normally 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 a period of 3 months at the same rates & terms and conditions, at the discretion of HPGCL.

10. 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 get 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.

11. The successful contractor shall provide the **Mobile Phone** facility to his supervisors individually. The contractor shall intimate the contact /mobile numbers immediately after the award of contract. The contractor can arrange CUG No. From HPGCL if possible. However in case the phone nos. provided by contractor is found switched off/out of range due to which Engineer In charge or his representative is unable to contact the supervisor or technician deployed by contractor telephonically then penalty of Rs. 1000/- per instance

will be imposed on the contractor. This penalty will be over and above the penalty clauses mentioned in General Terms & Conditions.

12. The contractor shall have to maintain records viz. Registers of wages, muster roll/attendance, gate pass register etc. As per required under relevant acts and the same shall be made available to the Officer-in-Charge/ Project Authority / Govt. of Haryana representative for checking/inspection as and when required.

13. <u>AUTHORIZED REPRESENTATIVE:</u>

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.

Executive Engineer / BMD-II
For Chief Engineer / RGTPP
HPGCL, Khedar, Hisar

ANNEXURE-IX

TECHNICAL TERMS & CONDITIONS

1. Consumables like general purpose/cutting welding electrodes ESAB/ADVANI/ADOR/L&T/D&H/MODI make, oxygen & acetylene gas, cloth, cotton waste, emery paper, Holdite, kerosene oil, diesel, rustoline, petrol, hexa-blades, grinding wheel & all small items required for handling & maintenance jobs will be arranged / provided by the firm. **All special purpose welding electrodes & filler wires such as E-7018 & ER-70S, E-8018 & ER-80S, E-9018-B3, E-9016-B9 & ER-90S-B3 & B-9, E-9015-B23 & ER-90S-B23 and E-347-16 (SS high pressure parts) Superbond S/SS (for build-ups only), Supratherm Spl, chromotherm1/2, Chromo cord CT/Ti, Staintrode-D, CGS-680, XHD Abratech 6715, XHD Abratech 6710, E309-16 etc. required for HP welding (including attending boiler tube leakage), CI welding, SS welding, alloy steel welding / hard facing/ repairs is in the scope of contractor. If the contractor is found using welding electrodes other than "Standardisation of welding electrodes, HPGCL", payment for the job will not be made. In case contractor fails to bring sufficient consumables to site without which HPGCL work is suffering, HPGCL shall be procuring the same from the market and recover the cost from the contractor's bill @1.5 times the purchase price of the item.**
2. Contractor has to make his own arrangement for welding set and welding leads, wire brush, welding torch, gloves, bulbs, wires and holders for temporary lighting, hydraulic testing pumps if required at work place. In addition, the contractor will arrange minimum 1 no. Portable welding set, for each unit.
3. All tools and tackles like spanners, chain pulley block, hydraulic jack, portable grinding machine, hoisting arrangement, hand operated bending machine and drilling machine, personal protective equipment's for the safety of workers, safety belt, minor scaffolding material etc. shall have to be arranged by the contractor. However available T&P like EOT Cranes and special fixtures installed at site, will be made available to the contractor free of charge and contractor will be responsible for upkeep of the electric hoist. However, if EOT hoist is not available due to any reason, the contractor shall make his own arrangement for completion of the work.
4. Manpower deployed by contractor shall be in properly dressed as per industrial safety standards. No loose clothes are allowed.
5. The entire work shall be completed by the contractor within the time given by Engineer-in-Charge and to achieve this, contractor has to work round the clock. However, in case of any delay in the supply of spare parts in time or any job involving machining etc., the time extension shall be given accordingly by the HPGCL.
6. All spares, bolts, nuts, grease, lubricants and gaskets, seals, 'O' rings, electricity supply for welding set / lighting, water and air etc. if required for any job will be issued free of charge by HPGCL.
7. The description of works has been given in the scope of work in Part-A & B of **Annexure-I, II and III.** However, in case of any new job, the rate shall be decided by HPGCL on the representation of the contractor. It will be obligatory on the part of the contractor to carry out left over jobs relating to the system.
8. The work shall be started immediately after getting written/verbal instructions from the authorized representative of the Engineer-in-Charge.
9. The electricity for carrying out the welding / cutting / other site works & for site office at nearest point will be provided free of cost. The contractor will be responsible to use the same judiciously.
10. The transportation of material from site to workshop & vice versa 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.
11. The transportation of spares & other material from O&M store to site store or place of work & transportation of scrap to store yard will be in the scope of contractor.
12. 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.
13. If required, the space for office and store can be provided if available by HPGCL. The

site office should be well painted and constructed in such a way that it should give a good look.

14. In case spares are not available at site or in store and same are required to be removed from other equipment's i.e. boiler & its auxiliaries etc., the contractor is bound to do same without any extra cost.
15. The dismantled spares, new spares, kept at site for emergency use should be properly stacked, kept cleaned and covered properly in safe custody.
16. If the grating of platform / stairs, railings, etc. gets damaged while carrying out the repair work, same shall be rectified / repaired by the contractor.
17. Contractor will arrange all measuring instruments as per site requirements.
18. Additional manpower will be required to be mobilized during Shutdown/breakdown of any unit and the contractor will ensure adequacy of manpower so that shutdown works are completed in time.
19. The contractor shall make an arrangement so that his authorized representative is available round the clock at specified location to take maintenance job on all days including Sundays / Holidays. The Supervisor / Foreman deputed by the contractor should be technically sound and should have full know-how of the boiler & its auxiliaries.

Executive Engineer / BMD-II
For Chief Engineer / RGTPP
HPGCL, Khedar, Hisar

ANNEURE-X

CONTRACT AGREEMENT

This contract agreement entered in to this _____ day of the month of _____, 202__ 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 _____.The contractor 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.

ANNEXURE-XI

STATEMENTS OF BIDDERS

1. **Name of Bidder** _____
2. **Address of Head Office** _____
3. **Correspondence Address** _____

   _____

4. **Legal status**
5. **PAN & TIN Number of the Bidder (attached self-attested photocopies)**
   PAN _____ TIN _____

   GST No. _____.

6. **Bank Details (attached signed cancelled cheque)**

i) Bank Name & Address
ii) Bank Account Number
iii) Bank Branch Code
iv) IFSC Code of Branch
v) Nature of account (current/saving/OD/CC)

7. **Main Lines of Business**

i. _____ since_____
ii. _____ since_____
iii._____ since_____

8. **Annual Turnover of past three year**

i. _____
ii. _____
III. _____

9. **Past Experience:-**

Name of Organization	Period	Reference of Contract	Order Value contract wise

10. **Any other: -**

Signature & Stamp of Bidder

Name & Designation of Authorized Bid Signatory _____

ANNEXURE-XII

UNDERTAKING OF STAFF ENGAGED

I _____S/O Sh._____

R/O_____working with

M/s_____hereby give

Undertaking that I will not claim any service in HPGCL in lieu of service render to the

Firm M/s _____against

Work order No. _____dated_____.

Signature of worker

Signature & Stamp of Contractor.

Annexure-XIII

Undertaking from the vendor (on vendor's letter head) regarding validation of GST registration (for each GST number separately)

1.1.1. GST registration of GST no……. in name of m/s……..is valid as on date……..

1.1.2. No default has ever been made by me/my firm in name of …… in filing the various GST returns and deposit of GST dues with the department with respect to GSTN…….

Yours Truly,
For M/s…….

Authorized Signatory Name: Designation:

Annexure-XIV

Undertaking cum declaration from the vendor (on vendor's letter head)

1.1 I undertake to submit a CA certificate regarding validity of GST registration on every six months during the tenure of contract.

1.2. I undertake to submit copies of GSTR I and GSTR 3B/challans as evidence to deposit of GST with certification that GST collected from HPGCL, to be specified in exact rupees, has been paid to Govt. vide this challan (specifying the challan no. & date of deposit) and returns filed (date of filing of return) includes the transaction of supply of Good or/and services to HPGCL.

1.3. I undertake to inform immediately the HPGCL about initiation of any proceeding (if any) against me/my firm under the GST laws which may result in suspension or cancellation of GST number of the Vendor.

Yours Truly,
For M/s……..

Authorized Signatory Name: Designation:

Annexure-XV

Undertaking cum indemnity bond from the vendor (on vendor's letter head) regarding timely deposition of GST

a) Certified that we are registered as taxable person under GST Act, our GST no. is ----------- and which is active as on----------.
b) Certified that bill for the month of----------in which GST has been claimed, is included in all the GST returns submitted by us to the GST authorities.
c) Certified that we shall deposit the amount of GST collected from RGTPP/HPGCL to the Government exchequer within the time specified under the GST Law.
d) Certified that the goods/services on which GST has been charged have not been exempted from GST under GST Act. The rate/amount of GST in these goods/services is correct under the provisions of the GST Act.
e) We give Undertaking-cum-indemnity bond to RGTPP/HPGCL that we shall indemnify to RGTPP/HPGCL for any loss sustained in case we does not deposit the GST to the government exchequer, which it has recovered from the M/s HPGCL as tax.

Yours Truly,
For M/s……..

Authorized Signatory Name: Designation:

Annexure-XVI

Undertaking from the vendor (on vendor's letter head) for not Generating e-invoice

We M/s. ……. having PAN …… and GSTIN Registration Number …….hereby undertake that our Aggregate Turnover (as per Section 2(6) of Central Goods and Services Tax Act, 2017) for FY 2024-25 does not exceed the prescribed threshold (as on the date of this declaration) for generation a Unique Invoice Registration Number (IRN) and QR code as per the provisions of Central Goods and Services Tax Act, 2017 and rules thereunder ("GST Law"). Further, we also undertake that if the aggregate turnover of M/s. ……. exceeds the current threshold or revised threshold notified by Government of India at any future date, then we shall issue invoice and credit note in compliance with the required provisions of GST Law. In case of any queries from the any state or centre Goods and Services Tax authorities, M/s. ……will be solely responsible.

Yours Truly,
For M/s……..

Authorized Signatory Name: Designation:

Annexure-XVII

Performa for declaration under Section 206AB/Section 206CCA

Declaration

I, _____ , _____ (Designation) of _____ (Name of the Corporation / Company / Board / Trust), having PAN - _____ (here in after referred as the Corporation / Company/ Board / Trust), hereby declare and affirm as under:-

1. That the Corporation / Company / Board / Trust is a regular income tax assesses.
2. That the Corporation / Company / Board / Trust has been filing its return of income tax regularly.
3. That the Corporation/ Company/ Board/ Trust as filed return of income tax for the financial year 2024-25 and 2025-26 under the provisions of Section-139 (1) of the Income Tax Act., 1961 as per details given below:-

Assessment Year	Acknowledgement Number	Date of filing

4. That the new provisions of section 206AB / Section 206 CCA which require deduction/ collection of tax at source at higher rates or not applicable to our Corporation/ Company/ Board/ Trust and hence tax may not be detected/ collected at source at higher rates.

(Deponent)

That whatever stated above in the above stated para(s) are true to my knowledge and belief.

(Deponent)

Annexure-XVIII

Self-Undertaking for No-Default in Labour Laws Compliance.

"It is hereby certified that I/We i.e. M/s ..... is not under any default towards compliances under any of the labour laws presently, however in case at a later stage such certification found wrong then it will lead to misrepresentation of the facts and I/We i.e. M/s ..... shall be treated as blacklisted on this ground and action shall be taken as per regulation 36 & 37 of the HPGCL Works & Purchase Regulations, 2015."

(Sign. & Stamp of contractor)

Annexure-XIX

Acceptance Certificate

I _____ Designation _____

of (Name of the Company) _____

_____

hereby accept all the terms and conditions given in the NIT No._____

Dated: _____.

For M/s _____

Annexure-XX

TECHNICAL CHECK LIST FORMAT

(To be filled/uploaded online only)

Sr. No	Technical Specification	Bidder Response (Yes / No)
1	Tender cost with e-service fees	
2	Earnest Money Deposited or proof of EMD exemption	
3	Bidder(s) must have HEWP contractor Identity while applying for the tender.	
4	Proof for GST number, PAN, EPF & ESI	
5	Statement of bidders as per NIT	
6	Acceptance of all terms & conditions of tender	
7	**Documentary Evidence regarding Qualification Criteria:**	
	The bidder should have successfully carried out erection, testing & commissioning of coal based Boilers directly or as a sub vendor of BHEL or SEC China / R-Infra of generating Unit of 110 MW & above and should have minimum one year experience of their maintenance in the preceding 7 years ending last day of the month previous to the one in which bids are invited, in HPGCL / NTPC / Govt. Organization / Any SEBs / Any PSUs / Any Corporations / Central Govt. / State Govt. / Semi-Govt. or in any Thermal Power Plant. OR The bidder should have minimum one year experience of O&M of pressure part/Rotary Parts & ESP of Boilers of generating Unit of 110 MW or above in the preceding 7 years ending last day of the month previous to the one in which bids are invited, in HPGCL / NTPC / Govt. Organization / Any SEBs / Any PSUs / Any Corporations/Central Govt. / State Govt. / Semi-Govt. or in any Thermal Power Plant.	
9	The minimum value of work orders executed for the above referred work during last 7 year ending last day of the month previous to the one in which bids are invited should be as below: - Single Order of the value not less than Rs. 155.19 Lacs OR Two Orders of the value not less than Rs. 96.99 Lacs each. OR Three Orders of the value not less than Rs. 77.59 Lacs each.	
	The tender documents of only those bidders shall be considered who fulfil the eligibility criteria and submit documentary evidence in support of the same along with a copy of a Performance Certificate/Repeat Order from the same organization if any. The authentic documentary evidence in support of their claim of having said experience should be enclosed in technical bid for consideration of their tender.	
10	Bidders must have average annual turnover in last three consecutive financial years ending 31.03.2025 shall not be less than Rs. 193.99 lacs. **Note**:- In case where audited results for last preceding financial year are not available for determining the average annual turnover, certification of financial statements from a practicing Chartered Accountant shall be considered acceptable	
11	The contractor should have registered under Contract Labour (Regulation & Abolition) Act, 1970 and possesses a valid labour license from Labour Department of Haryana for deploying the workers on the work or the bidder has to give an undertaking that he will apply within one month from the date issue of work order (if applicable).	
12	Firm should submit a certificate to the effect that the tenderer is not presently black listed from any Public Sector undertakings of Central Govt. / State Govt. / SEBs / Corporations / any other reputed Thermal / Hydel Plant etc.	
13	Firm has to certify itself for its eligibility with supportive documents to participate in the NIT stating that it is not under any default towards compliance under any of the labour laws presently, however in case at the 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 regulation 36 & 37 of the HPGCL Works & Purchase Regulation, 2015.	
14	Authority letter in the name of the Authorized Person who has signed the Tender Document / Price Bid on behalf of the Contractor / Company.	