

DEEN BANDHU CHHOTU RAM THERMAL POWER STATION YAMUNA NAGAR

(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



TENDER DOCUMENT

FOR

Annual running contract (ARC) of complete services for Turbine and Generator of 2X300MW, Shanghai Electric Corporation, China make at DCRTTP HPGCL, Yamuna Nagar.

**DEEN BANDHU CHHOTU RAM THERMAL POWER STATION, HPGCL,
YAMUNA NAGAR**

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NIT No:Ch-10/TG-II/275

Dated:11.06.24

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BRIEF SUMMARY OF NOTICE INVITING TENDER (e-TENDER)

Tender Enquiry No.& Date	NIT No:Ch-10/TG-II/275 Dated:11.06.24
Description of work	Annual running contract (ARC) of complete services for Turbine and Generator of 2X300MW, Shanghai Electric Corporation, China make at DCRTTP HPGCL, Yamuna Nagar.
Contract Period	24 Months and may extendable by three months at the discretion of HPGCL
Date of tender uploading	12.06.24
Last date and time of submission of online tender	15.07.24
Due date & time of opening of part – 1 tender.	18.07.24
Tender fee (Non – refundable)	Rs. 1,180/-
E-service fees (Non – refundable)	Rs. 1,180/-
Earnest Money	Rs 66,213/-
Instruction to bidder on Electronic Tendering system.	Annexure – I
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Contact Information	Executive Engineer, T. G. Mtc. – II, DCRTTP, HPGCL, Yamuna Nagar. Mobile : 8222024572

ONLINE NOTICE INVITING TENDER (E-TENDER)

Chief Engineer/DCRTPP, HPGCL, Yamuna Nagar invites e-tenders in two parts from the reputed, registered and experienced firms for ARC of complete services for Turbine and Generator of 2X300MW, Shanghai Electric Corporation, China make at DCRTPP HPGCL, Yamuna Nagar for the year 2025-26.

NIT No.	Description	Period of contract	Tender Fee (Rs.) (Non-refundable)	EMD (Rs.)	e-service Fees (Rs.)	Last date of submission of EMD online	Last date of submission of Bids online
NIT No:Ch-10/TG-II/275 Dated:1 1.06.24	Annual running contract (ARC) of complete services for Turbine and Generator of 2X300MW, Shanghai Electric Corporation, China make at DCRTPP HPGCL, Yamuna Nagar.	Two years and extendable by three months at the discretion of HPGCL	1180/-	66,213/-	1,180/-	15.07.24	15.07.24

The Bidders can download the tender documents from the Haryana Engineering Works portal (<http://works.haryana.gov.in>) and E tender Portal (<https://etenders.hry.nic.in>).

The Bidders shall have to pay for the Tender documents, EMD Fees & eService Fee online by using the service of secure electronic payment gateway. The secure electronic payments gateway is an online interface between contractors and online payment authorization networks. The Payment for Tender Document Fee and eService Fee can be made by eligible bidders/ contractors online directly through Debit Cards & Internet Banking Accounts and the Payment for EMD can be made online directly through RTGS / NEFT.

NOTE: If the tenders are cancelled or recalled on any grounds, the tender document fees & eservice fee will not be refunded to the firm.

The Tenderers can submit their tender documents (Online) as per the dates mentioned in the key dates

Sr. No.	Department Stage	Tenderer's Stage	Start date and time	Expiry date and time
1	Tender Authorization & Publishing	-	12.06.24 (18:00 Hrs.)	12.06.24 (18:00 Hrs.)
2	-	Downloading of Tender Documents, Bid Preparation & Bid submissions	12.06.24 (18:00 Hrs.)	15.07.24 (13:00Hrs.)
		Last date of submission of EMD online		15.07.24
3	Technical Opening (Part-I)	-	18.07.24	---
4	Short listing of Technical bids & Opening of Price Bid		Will be intimated to the firms on their e-mail	

Executive Engineer/TG-II,
For Chief Engineer/ DCRTPP,
HPGCL, Yamuna Nagar.

Instructions to bidder on Electronic Tendering System

1. Download of Tender Documents :

The tender documents can be downloaded from the Haryana Engineering Works portal (<http://works.haryana.gov.in>) and E tender Portal (<https://etenders.hry.nic.in>). The bidder who does not have contractor ID on HEWP cannot participate in tendering process. The bidders who have contractor ID but have not registered on HEWP can participate in tendering process by paying the Earnest money through online payment on the portal.

2. Pre-requisites for online bidding:

In order to bid online on the Haryana Engineering Works portal (<http://works.haryana.gov.in>) and E tender 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 Portal.

3. 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 Haryana Engineering Works portal (<http://works.haryana.gov.in>) and E tender Portal (<https://etenders.hry.nic.in>).

4. Bid Preparation (Technical & Financial) Online Payment of Tender Document fee, e-Service Fee, EMD Fees of online Bids:

- i.* The Bidders shall have to pay for the Tender documents, EMD Fees & e-Service Fee (Rs. 1180/-) 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.

NOTE:- “The bidder who does not have contractor ID on HEWP cannot participate in tendering process. The bidders who have contractor ID but have not registered on HEWP can participate in tendering process by paying the Earnest money through online payment on the portal. Bidders who have contractor Id and are registered on HEWP and also have deposited one time deposit are eligible for participation in the tender by annexing bid specific Earnest Money Declaration Form generated from HEWP. The bidder who is registered as contractor with Haryana Government and is availing the exemption available for earnest money, shall upload bid specific Earnest Money Declaration form duly downloaded from HEWP.”

- ii.* The bidders shall upload their technical offer containing documents, qualifying criteria, technical specification and all other terms and conditions except the rates (price bid) The bidder shall quote the price in price bid.
- iii.* The tender shall be opened on due date by Tender Opening Committee comprising of Executive Engineer/TGM-II, AEE/TGM-II and a representative of finance/ account department.

NOTE: “The CBD generated by Haryana Engineering Works portal (<http://works.haryana.gov.in>) is not applicable for this work. All contractors shall strictly follow the NIT terms & conditions uploaded by the Executive Engineer on Haryana Engineering Works portal (<http://works.haryana.gov.in>) and E tender Portal (<https://etenders.hry.nic.in>).”

5. Key Dates

The Tenderers can submit their tender documents (Online) as per the dates mentioned in the following format:

Sr. No.	Department Stage	Tenderer’s Stage	Start date and time	Expiry date and time
1	Tender Authorization & Publishing	-	12.06.24 (18:00 Hrs.)	12.06.24 (18:00 Hrs.)
2	-	Downloading of Tender Documents, Bid Preparation & Bid submissions	12.06.24 (18:00 Hrs.)	15.07.24 (13:00Hrs.)
		Last date of submission of EMD online		15.07.24
3	Technical Opening (Part-I)	-	18.07.24	---
4	Short listing of Technical bids & Opening of Price Bid		Will be intimated to the firms on their e-mail	

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/hers bid will be considered as bid not submitted, and hence not appear during tender opening stage.

6. Mandatory Documents:

- a) Proof of Constitution - Partnership deed (in case of the partnership firm registration); or Certificate of Incorporation (in case of Private limited company, public limited company, Public sector undertaking, Limited Liability Partnership, registration); or Any proof substantiating constitution (in the case of society, trust, AOP, Government department, local authority, statutory body registration.)
- b) PAN Card
- c) GST Certificate
- d) Undertaking of Non-Blacklisting – (Certificate that contractor has not been blacklisted previously)
- e) Cancelled Cheque / Proof of bank account
- f) Proof of Address
- g) Similar works experience

7. If the tenders are cancelled or recalled on any grounds, the tender document fees & e-service fee will not be refunded to the firm.
8. Unless exempted specifically, tenders not accompanied with the prescribed EMD/ Cost of Tenders shall be rejected. EMD/Cost of Tender shall be in the prescribed mode of payment as asked in the NIT; otherwise, the tenders shall be liable to be rejected.
The bidder shall ensure that payment of earnest money shall be made at least 48 hrs prior of the closing time of submission of bid.
9. The bidder can revise his bid any number of times but only before last date of submission of bid. All previous quotes are deleted & only the latest price quoted shall be visible on date of opening of price bid.
10. The validity of the tender/ quotation should be at least for 120 days from the date of opening of price bid.
11. The rate negotiations could be held up to L3 bidder, if the difference between the overall L1 (fixed rates+ unit rates) quoted rates and those quoted by L2 and L3 is within 5% of the L1 quoted rates. In case where the L1 bidder refuses to further reduce his offered price and the L2 or L3 bidders come forward to offer a price which is better than the price offered by L1 bidder, the bidder whose price is accepted becomes L1 bidder. However, in such a situation, the original L1 bidder shall be given one more opportunity to match the discounted price. In case of acceptance, he would be treated as L1 bidder.
12. 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.
13. The bidder shall bear all costs associated with the preparation and submission of his bid, and HPGCL will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.
14. Chief Engineer, DCRTTP, HPGCL, Yamunanagar reserves the right to cancel the NIT or to change qualifying requirement or to reject any or all the tenders so received without assigning any reason.
15. **Preliminary Information for bidders** :
 - a) 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.
 - b) Obtaining a Digital Certificate:
 - i) 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.
 - ii) 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>.

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: For queries on Tenders Haryana Portal, kindly Contact

Note:- Bidders are requested to kindly mention the URL of the portal and Tender Id in the subject while emailing any issue along with the Contact details. For any issues/ clarifications relating to the tender (s) published kindly contact the respective Tender Inviting Authority.

Tel: 0120-4200462, 0120-4001002, Mobile:8826246593, E-mail:- support-eproc@nic.in

For any technical related queries please call at 2X7 Help Desk Number

0120-4001002, 0120-4200462, 0120-4001005 , 0120-6277787

International Bidders are requested to prefix 91 as country code Email Support. For any issues or Clarifications relating to the published tenders, Bidders are requested to contact the respective Tender Inviting Authority Technical – support-eproc@nic.in

- iii) 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).
- iv) 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.
- v) 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.
- vi) 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.
- vii) 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>.
- viii) 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.
- ix) 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 and time of submission of the bid.

Executive Engineer/TG-II,
For Chief Engineer/ DCRTPP,
HPGCL, Yamuna Nagar.

INSTRUCTIONS TO THE BIDDERS**1. Pre Qualifying Requirements (PQRs) / Eligibility Conditions for the tenderers:-****A) The bids will be accepted from those reputed firms who fulfill the following qualifying/eligibility criteria and submit documentary evidences in support of the same:**

(i) The bidder should be Original Equipment Manufacturer / Supplier (OEM/OES) of Turbine or a registered vendor of HPGCL as per Vendor Registration Policy for the specific category of the work.

OR

(ii) Bidders who have successfully carried out erection, testing & commissioning of Turbine & Auxs directly or as sub vendor of BHEL or SEC, China / R Infra of Generating Unit of 110 MW & above and have minimum one year experience of Operation & Maintenance in the preceding 07 years ending on 31.05.2024.

OR

(iii) The bidder must have minimum one year experience of having successful executed Work Order(s) in HPGCL/NTPC/any SEBs/any PSUs/ any Corporations/ Central Govt./ State Govt. / Semi Govt. or in any Thermal/ Hydel plant during last 07 years on 31.05.2024

Experience of Execution of Work order:

The bidder must have experience of having successful executed Work Order(s) for the AMC work of TG and its auxiliaries of 110 MW or above rating power plant in HPGCL/NTPC/any SEBs/any PSUs. Any Corporations/ Central Govt./ State Govt. / Semi Govt. or in any Thermal/ Hydel plant during last 07 years ending last day of the month previous to the month in which applications are invited having minimum order value as under-

i. Single work order of AMC /ETC/Overhauling of TG and its auxiliaries of value not less than of **Rs. 13.24 Lacs**

Or

ii. Two work orders of AMC/ETC/Overhauling of TG and its auxiliaries of value not less than of **Rs. 08.27 Lacs each**

Or

iii. Three work orders of AMC/ETC/Overhauling of TG and its auxiliaries of value not less than of **Rs. 06.62 Lacs each**

Note:

1. In Case of ARC/AMC of work more than one year, estimated cost for the purpose of above eligibility criteria shall be taken for the first 12 months only. The criteria will not be applicable in case of less than 12 months contract where the minimum value of the order shall be required accordingly to the estimated cost of such work.

2. Similarly , if the bidder has a work order for a period of more than one year, the period and proportionate value of the order which have been completed prior 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.

B) TURNOVER:

Bidders must have average annual turnover in last 3 consecutive financial years ended prior to 2024-25 shall not less than Rs. 16.55 lacs.

- C)** The tender document of only those bidders shall be considered who fulfil the eligibility criteria and submit documentary evidences in support of same along with copy of performance certificate or repeat orders from the same organization in lieu of successful execution certificate for period/value. The work order value referred above is inclusive of all taxes and duties.

Note 1:- Average Annual turnover = Sum of the Annual Turn Over of preceding three years / 3 (As per Audited Accounts). Other income shall not be considered for arriving at annual turnover.

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

Note 2: - The firm should fill statement of bidders and submit authentic supporting documents for proving its credential. Original documents may be asked for verification at the time of finalizing the tender.

- D)** The bidder should possess EPF Account No. PAN No., ESI Registration Number and GST Registration Number.
- E)** The bidder should possess labour license from Labour Department of Haryana or the bidder has to given an undertaking that he will apply within one month from the date of issue of work order, if applicable.

F) Eligibility of the black listed firms to participate in NIT:

The firms who have been black listed by HPGCL or any other Central or State Power Utility / Board or Corporation or any other Thermal/ Hydro Electric project shall not be eligible to bid against the NIT of HPGCL. However,

- (i) In case the blacklisting of the firm is for a specific plant and not for the organization as a whole then such blacklisting will not tantamount to ineligibility of the bidder.
- (ii) Blacklisting of the firm by any unit of the 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 for 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 regulation of HPGCL.

Note: 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 in last 05 years from any Public Sector undertakings of Central Govt. /State Govt./SEBs/Corporations has to be furnished by**

him.

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

2.

- i. The Bidders shall have to pay for the Tender documents fees (**Rs. 1180 + 1180/-** as e-Service fees) and EMD (**Rs. 66,213/-**) Fees 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.

EMD Exemption: EMD exempted only in case of *“The bidder who does not have contractor ID on HEWP cannot participate in tendering process. The bidders who have contractor ID but have not registered on HEWP can participate in tendering process by paying the Earnest money through online payment on the portal. Bidders who have contractor Id and are registered on HEWP and also have deposited one time deposit are eligible for participation in the tender by annexing bid specific Earnest Money Declaration Form generated from HEWP. The bidder who is registered as contractor with Haryana Government and is availing the exemption available for earnest money, shall upload bid specific Earnest Money Declaration form duly downloaded from HEWP.”*

- ii. Cost of Tender and EMD in any other form shall not be accepted.
3. The Tender Document can also be seen on HPGCL website www.hpgcl.org.in.
4. Before submitting tenders the instructions may be read carefully regarding submission of tender. If any bidder finds discrepancies or omissions in the tender documents or is in doubt as to the true meaning of any part, he shall clarify same from tender issuing office in writing before the due date and time of submission of the bid. No arguments on this account whatsoever shall be entertained after the last date & time of submission of tenders.
5. The tenderer shall be submitted on the centralized Haryana Engineering Works portal (<http://works.haryana.gov.in>) and E tender Portal (<https://etenders.hry.nic.in>).
6. The tenderer will quote their rates STRICTLY AS PER THE RATE QUOTING SHEET.
7. Tenders through Fax / E-mail / telegraphic tenders shall not be considered. Incomplete, obscure or irregular tender is liable for rejection. If the tenderer deliberately gives wrong information in his tender, HPGCL reserves the right to reject such tender at any stage. The tenderer will quote their rates strictly as per details of specifications.
8. 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 e-tendering process mentioned above.
9. The CBD generated by Haryana Engineering Works portal (<http://works.haryana.gov.in>) is not applicable for this work. All contractors shall strictly follow the NIT terms & conditions uploaded by the Executive Engineer on Haryana Engineering Works portal (<http://works.haryana.gov.in>) and E tender Portal (<https://etenders.hry.nic.in>).
10. Unless exempted specifically, tenders not accompanied with the prescribed EMD/ Cost of Tenders shall be rejected. EMD/Cost of Tender shall be in the prescribed mode of payment

- as asked in the NIT, otherwise, the tenders shall be liable to be rejected.
11. The validity of the tender/ quotation should be at least for 120 days from the date of opening of price bid.
 12. The rate negotiations could be held up to L3 bidder, if the difference between the L1 quoted rates overall and those quoted by L2 and L3 is within 5% of the L1 quoted rates. In case where the L1 bidder refuses to further reduce his offered price and the L2 or L3 bidders come forward to offer a price which is better than the price offered by L1 bidder, the bidder whose price is accepted becomes L1 bidder. However, in such a situation, the original L1 bidder shall be given one more opportunity to match the discounted price. In case of acceptance, he would be treated as L1 bidder.
 13. The bidders are required to quote lump sum fixed rate. The rates quoted shall remain FIRM during the contract period including extension period inclusive of all present & future levies, taxes, duties and any other tax levied by State/Central Govt. during the period. The tenderer's acceptance of this condition should be indicated along with the Bid. Ordinarily the deviation in terms shall not be considered.
 14. No deviation from the terms & conditions of tender shall be accepted. Once bidder submits the tender online, it is presumed that all the terms & conditions are accepted including payment terms..
 15. The bidders / contractors shall observe the highest standards of ethics during the submission of tender, procurement and execution of the contract. In case of evidence of cartel formation by the bidder(s), EMD is liable to be forfeited.
 16. The bidder shall bear all costs associated with the preparation and submission of his bid, and HPGCL will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.
 16. The whole work against this tender shall be awarded to a single firm whose overall annual quoted/equated prices are lowest for the complete package.
 17. Chief Engineer, DCRTTP, HPGCL, Yamuna Nagar reserves the right to amend/ cancel the NIT or to change qualifying requirement or to reject any or all the tenders so received without assigning any reason.
 18. **INSPECTION OF SITE OF WORK:** - Before tendering, the tenderer is advised to inspect the site of work, the environment & get acquainted with the actual work & other prevalent conditions, facilities available. No claim will be entertained later, on the ground of lack of knowledge.
 19. **Disqualification of the Bidder:-**
 - i. Even though the bidders meet the above Qualifying Criteria they are subject to be disqualified, if they have made misleading or false representations in the forms, statements and attachments submitted in the proof of the qualification requirements.
 - ii. The Bidders shall supply partnership deed in case of partnership firm / Memorandum of Association and Article of Association in case of a company.
 - iii. Notwithstanding anything stated above Haryana Power Generation Corporation Ltd. reserves the right to assess the Tenderer's capacity to perform the contract should the circumstances warrant such assessment in the overall interest of the Haryana Power Generation Corporation Ltd. In this regard the decision of corporation will be final.
 20. Conditions of the contract and other information can be had from the office of Executive Engineer/TG-II, DCRTTP, HPGCL, Yamuna Nagar (Email ID: xentg2.dcrtp@hpgcl.org.in), on any working day prior to last date of Downloading of

Tender Documents & Bid Preparation.

21. **Opening of Tender:-**

The tenders will be opened in the office of Executive Engineer/TG-II, DCRTTP, HPGCL, Yamuna Nagar in the presence of authorized representative of the tenderers, if they so desire, at the time and date set for opening of tenders or in case any extension was given thereof on the extended tender opening date and time. Tenderer's authorized representatives (up to two persons) may attend the opening.

The Price Bid (Part-II of the tender) shall be opened after Part-I of the tenders have been scrutinized and evaluated. The tenderers whose Part I have been approved, will be allowed to participate in opening of Price Bid (Part-II). The due date and time for opening of Price Bid (Part-II) shall be informed later on.

22. **Earnest Money:-**

The Tenderer shall deposit requisite Earnest Money along with the tender to ensure that the tenderer takes up the contract in right earnest. An EMD amounting to Rs 66,213/-(Rs Sixty Six Thousand Two hundred Thirteen only) is applicable which is to be paid online through RTGS/NEFT.

- i. The EMD of the successful tenderer will be adjusted against security deposit in the event of placement of order. EMD of unsuccessful tenderer will be refunded on finalization of contract.
- ii. No interest shall be payable on Earnest Money Deposit.
- iii. HPGCL reserves the right to forfeit Earnest Money Deposit or part thereof in circumstances which may indicate that the contractor is not earnest in executing the contract. EMD shall also be forfeited in case the bidder does not come forward for execution of the contract agreements and submission of balance security deposit.
- iv. If the tenderer withdraws his tender at any stage during the currency of his validity period, the earnest money shall be forfeited in full in such cases.

23. If the tenderer withdraws his tender at any stage during the currency of his validity period, the earnest money shall be forfeited in full in such cases

24. All the fields of price bid shall be filled by the bidder and the bidder will quote their rates **STRICTLY AS PER THE RATE QUOTING SHEET AS PER ANNEXURE.**

Executive Engineer/TG-II,
For Chief Engineer/ DCRTTP,
HPGCL, Yamuna Nagar.

GENERAL TERMS AND CONDITIONS OF CONTRACT**1) a) CONTRACT PERIOD**

The period of contract shall be for two year from the date of issue of LOI/W.O. normally a notice of seven days shall be given for starting the job, but the contractor shall be able to mobilize his resources within 24hours, if necessary arises. The period of contract may be further extended up to three months at the same rates & terms and condition at the discretion of HPGCL.

b) CONTRACT AGREEMENT

The contractor shall execute a contract agreement with HPGCL on a Non Judicial Stamp Paper of appropriate value within 07 days of receipt of work order.

2) RATE/CONTRACT PRICE

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

3) EARNEST MONEY AND SECURITY DEPOSIT

The Tenderer shall deposit requisite Earnest Money along with the tender to ensure that the tenderer takes up the contract in right earnest. An EMD amounting Rs 66,213/-(Rs Sixty Six Thousand Two hundred Thirteen only) is applicable which is to be paid online through RTGS/NEFT.

The earnest money furnished by the successful tenderers on whom the work order is placed shall be converted into security deposits as a guarantee for faithful and satisfactory execution of the work order.

(The EMD of the unqualified bidders will be returned without any interest, as promptly as possible, within 30 days after declaration of qualification result and that of unsuccessful bidder within 15 days of the execution of the contract with the selected bidder).

NOTE:-

SECURITY DEPOSIT: In case of successful bidder, the earnest money will be converted into security deposit. Security deposit @10% amount of the monthly running bill shall deducted from monthly running bills. The amount of 10% security deducted from bill. No claim for interest on security amount shall be entertained.

The security deposit of the contractor shall be retained by HPGCL for faithful execution of the contract.

Security deposit shall be released only after completion of the entire period of the contract and after completion of 30 days of Guarantee/Warranty period, on the certificate of Engineer In-charge /EIC for successful completion of Guarantee/Warranty period and submission of requisite documents like last EPF / ESI return by the contractor.

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

4) PAYMENT TERMS

Subjected to any deduction which the HPGCL may be authorized to make under this contract, the payment shall be made as follows

“90% payment shall be made against the running bill or monthly bills for the work done & balance 10 % shall be kept as security which shall be released after the satisfactory completion of the contract including the guaranty/warranty”. No interest shall be paid by HPGCL on the security amount.

5) MODE OF PAYMENT

Payment shall be released by the Sr. Accounts Officer/Accounts Officer, DCRTTP, Yamuna Nagar through RTGS/NEFT, The firm shall provide necessary bank details for the same.

6) COMPLETION PERIOD

The completion period of the work as specified below shall be the essence of the contract. The work shall be started within 7 days of issue of LOI / Work Order, whichever is earlier unless otherwise directed by the issuer of tender. The work shall be carried out and completed as per the requirement of the contract.

The work shall be carried out/completed to match with other activities in progress of the unit. The quantum of any item of the scope of work may increase or decrease to any extent, as per the site requirement, subject to the limit that total contract value shall not exceed by 10% of the contract value. Payment shall not be made for the work not done. In case of increase of quantum of work, the completion period of the contract will not change and the contractor will have to complete the job within stipulated period unless the completion period is extended in writing.

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

For the work covered under work order , penalty @ 1.0% per hour (if completion time is in hours) or @1.0% per day (if completion time is in days) shall be liable, subjected to max. 10% of total rate of that particular item. The completion period will be indicated in the indent/Job order.

In case HPGCL, remains unable to supply the spares in time to the contractor after opening of any equipment and the contractor remains unable to complete the job in absence of these spares, then the contractor will be allowed the extension in schedule time to completion of that delayed equipment for the period for which contractor has not been provided with spares. This extension will be granted with the approval of SE/O&M-I/II. In case any spares, of the equipment under outage are to be repaired & machined in the workshop (O&M)/ Private sector and the job gets delayed, the extension in completion time will also be considered accordingly with the approval of SE/O&M-I/II. Nothing extra will be paid for idling time etc.

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 monthly bill in duplicate to the respective Executive Engineer of unit I & II along with the followings:
 - a) Monthly bill for the AMC / ARC work and in other cases bill for the work done, in duplicate. The bill should be on the contractor's bill book duly serially numbered and bearing date of issue, contractors EPF code, ESI code, GST number, PAN & TIN. A photo copy of the EPF code, ESI code, GST number, Labour license, PAN & TIN shall be attached with the 1st running bill for reference and record.
 - b) Self attested copy of the deposit challan of EPF & ESI contribution, labour welfare fund deposited by the contractor for the labour engaged for the work duly validated with dossier of workers and their account number in the appropriate prescribed performa.
 - c) Self attested copy of the attendance sheet, wages register and evidence of wage payment.
- 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 EIC. b) The copy of the EPF challan, ESI 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 / Factory Manager stating that contractor has complied with all labour laws and safety clearance certificate (Quarterly) from safety officer. In case of non availability of Labour Welfare Officer/Safety Officer, from EIC.
- v. Payment of labour shall be made through bank only by the contractor and Proof shall be submitted along with Bill.

Note:- Documents attached along with the contractor bill should be referred in the forwarding letter of the respective Executive Engineer forwarding the bill for pass and payment.

10) ENGAGEMENT OF ADEQUATE LABOUR

- a. The contractor will deploy sufficient labour, skilled / unskilled, experts & supervisors to complete the job.
- b. All the labour / work man deployed during the execution of the contract shall be adequately got insured by the contract at his own cost.
- c. Any mishappening / 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/ workman'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.
- d. The good conduct of all the workmen at work site.
- e. The loss/ damaged caused to the property of HPGCL or any other agency by the contractor or any of his workman / employee.
- f. 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 employees should not be deemed to be in the employment of HPGCL for any purpose whatsoever. The contract 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.
- g. 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 for 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.
- h. The labour /employees engaged by the contractor shall not be below the age of 18 years old and exceeding 60 years.
- i. Further the contractor would furnish an undertaking on non judicial stamp paper of appropriate value of 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
- j. The contractor shall also indemnify HPGCL against any liability towards its labour for non-compliance of laws etc.

11) WARRANTY/ GUARANTEE

- l. The contractor shall give guarantee for the work done for a period of 90 days from the date of successful commissioning of equipment repaired. During the liability period, if any defect is observed in the equipment, which is attributed to poor workmanship or poor quality of material used by the contractor, the same shall be attended by the contractor at his own cost.

II. During this period if some equipment(s), which has been attended by the contractor, is found to be defective, the same will have to be attended again without any additional charges to HPGCL. In such cases, warranty period shall start from the date of such repair/rectification. In case the contractor fails to respond within a reasonable time, the job will be got done from any other agency at the risk and cost of the contractor.

12) FORCE MAJEURE

The delay in the completion of the work may be treated as force majeure to the contractor only if:-

- a. 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. and
- b. The contractor's request for extension of the delivery period along with all necessary evidence comes, before the expiry of the schedule date(s) of delivery.

13) IDLE LABOUR CHARGES - N.A

14) OVER RUN CHARGES

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

15) WATCH & WARD

The watch and ward of T&P and other material 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, furniture and transportation etc. for his supervisors/staff engaged by him for the job.

17) STATUTORY DEDUCTIONS

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

18) FACTORY ACT/MINIMUM WAGES ACT/INSURANCE ACT/EPF ACT ETC.

Strict adherence of various applicable labour laws like the Factories Act, Minimum Wages Act, ESI 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 to 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 Factory Manager, at the time of 90% payment along with corresponding list of workers

The contractor shall make the payment of wages to its labour 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 workmen Compensation Act, The contractor shall obtain W.C. Policy from the Insurance Company for the persons employed by him for carrying out the work. The premium payable for the aforesaid Insurance Policy shall be borne by the contractor. The contractor shall ensure that the said Insurance Policy of this insurance cover is required to be submitted by the contractor to Engineer-in-charge of work immediately after issue of LOI, 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.200/- per day per head** if the workers of contractor are found to be working carelessly without proper protective equipments 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 matters, questions, disputes, differences and / or claims arising out of and / or concerning, and /or in connection with, and /or relating to this contract whether or not obligations of either or both Parties under this contract be subsisting at the time of such dispute and whether or not this contract has been terminated or purported to be terminated or completed, shall be referred to the Sole Arbitrator to be nominated by the Managing Director/HPGCL. The award of the Arbitrator shall be final and binding on both the parties to this 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 a contract, the contract shall be deemed to have been made at the place from which the acceptance of tender has been issued.

Jurisdiction of Courts- All legal proceeding in connection with contract shall be subject to the territorial jurisdiction of local court at Yamuna Nagar (Haryana).

23) 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 supplier with the HPGCL.

24) SUBLETTING and ASSIGNMENT

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

25) Performance Bank Guarantee (PBG): NA

26) The CBD generated by Haryana Engineering Works portal (<http://works.haryana.gov.in>) is not applicable for this work. All contractor's shall strictly follow the NIT terms & conditions uploaded by the Executive Engineer on Haryana Engineering Works portal (<http://works.haryana.gov.in>) and E tender Portal (<https://etenders.hry.nic.in>).

27) The frequency of works covered under work order can vary depending upon site conditions. But the total value of the work order shall remain fixed for the period mentioned in the order.

28) 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 signature of so authorized representative shall be got attested from first class magistrate or Notary Public.

29) INSTRUCTIONS REGARDING GST CERTIFICATIONS:-

Stage-I: Floating of Notice Inviting Tender (NIT)

It shall be ensured that the prospective bidders to submit copy of Registration Certificate under GST Act.

The following undertakings (on the letter head of contractor) to be made part of mandatory documents to be submitted by all the bidders:

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 contractor ineligible to participate in tender. In addition, the contractor will also submit the following undertakings in addition to above immediately after issue of work order with submission of each & every bill unless mentioned otherwise:

1.4 Undertakings mentioned at 1.1, 1.2 and 1.3.

1.5 A CA certificate regarding validity of GST registration will be submitted every six months during the tenure of contract.

1.6 Contractor 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 services to HPGCL.

- 1.7 Contractor 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 contractor.
- 1.8 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 Contractor.
- 1.9 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 to be submitted on quarterly basis.

Stage-II Scrutiny of bids- (to be followed by bid screening committee)

- The GST registration status of contractors will be verified from the official website www.gst.gov.in
- The address of contractor, the place from which supplies will be made or the invoice will be raised mentioned in bid document should match with the GST registration number on the departments website. In case contractor is having multiple GST registration numbers, executive to ensure that GST number linked to place of contractor should be submitted to HPGCL.
- Filing status of following returns will be verified that the returns are being filed by contractor within due dates:

Return	Periodicity filing	Return for
GSTR1	Monthly	Outward supplies
GSTR2A	Monthly	Its auto populated on GST Portal on the basis of GSTR1
GSTR3B	Monthly	Payment of GST
GSTR9	Yearly	Compilation of outward and inward supplies, made during the FY
GSTR9C	Yearly	Analytical statement on GST returns certified by GST Auditor

- Verify that the undertakings as specified in NIT have been submitted by bidders. Failure to submit unconditional undertakings will render the bidder to ineligible at technical stager of evaluation itself.

Stage III: Award of contract / issue of WO – (to be followed by executive wing.)

- Work order to specify that in case of failure at the end of contractor regarding deposit of tax and in complying with conditions mentioned at Stage I &II, HPGCL will have right to recover the GST amount in default along with interest & penal amount and deposit the same directly with GST department on behalf of contractor to the credit of HPGCL.
- Contractor will undertake to immediately inform the HPGCL about any amendment in the GST certificate and to immediately submit the updated registration certificate.

Stage IV: Receipt of first invoice – (to be followed by executive and accounts wing)

- Executive wing to verify that the invoice is in performa as specified under GST laws(Section 31 to 34 of CGST Act read with rules 46 to 55A of the CGST rules deal with Tax invoice, credit notes and debit noted) with correct GST number of HPGCL so that no difficulty is faced by HPGCL while claiming input Tax Credit of GST due to incorrect GST number and also to reconcile the GST number and address of contractor as per invoice with the GST number and address given in tender submitted by contractor and submit the duly verified invoice to accounts wing.
- After the implication of the E-invoice w.e.f. 01 Oct-2020 generation of e-invoice from common e-invoice portal for B2B supplies by person having aggregate annual turnover of more than Rs. 500 Crs has been made compulsory. And w.e.f. 01Jan 2021 Generation of E-invoice for GST supplies by person having aggregate turnover of more than Rs. 100 Crs has been made compulsory and w.e.f. 01.04.2021 generation of E-invoice for GST supplies by the person having aggregate turnover of more than Rs. 5 Crs is proposed to made compulsory. The nodal officer / Engineer-in-Charge of the contractor / appointed officer of the respective plant should demand from the contractor E-invoice containing the invoice reference number (IRN) and QR code. It is worthwhile to note any tax invoice including tax credit / Debit note issued by such notified person for B2B supplies without following the e-invoice procedure shall not be treated as a valid document.
- Obtain a undertaking from the contractor who are not generating e-invoice in following format:

We M/shaving PANand GSTIN Registration Numberhereby undertake that our aggregate turnover (as per section 2(6) of Central Goods and Services Tax Act. 2017) for FY 2019-20 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 provision of Central Goods and Services Tax Act, 2017 and rules there under (“GST Law”). Further wee also undertake that if the aggregate turnover of M/sexceeds 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 provision of GST Law. In case of any quires from the any state or required provision 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:

- Accounts wing to check Arithmetical Accuracy, Rate of GST charged & other calculations.
- In case there is difference in value of invoice due to deference in quantity or quality actually supplied GST will be applied on revised value of invoice.

Stage V: Receipt of IInd & subsequent invoice – (to be followed by Executive and Accounts wing)

- In addition to procedure mentioned in stage IV, following steps to be undertaken.
- All undertaking mentioned at stage I to be obtained & verified.
- 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 contractor and GST consultant of HPGCL.

Others: (to be Followed by Executive and accounts wings)

- EMD and Securities / Bank Guarantees taken by HPGCL may be refunded only after payment of GST by Contractor which was charged from HPGCL.
- In case any issue arises wrt failure by the firm in GST compliance all future payments to be put on hold after having consultation with HPGCL's GST consultant.

For Executive Engineer/TG-II,
Chief Engineer/ DCRTTP,
HPGCL, Yamuna Nagar.

TECHNICAL TERMS & CONDITIONS

1. The successful bidder shall apprise themselves with T.G equipments and will study the various drawings, specifications and manuals of SEC make T.G. equipments of 2X300 MW, with in 30 days of award of contract.
2. The bidder shall execute the work as per SEC drawings, specifications, data & manuals of T.G. equipments. However the drawings, specifications, manuals etc. shall be provided by HPGCL.
3. The firm shall provide on line consultancy and help/guide HPGCL in Reverse engineering free of cost.
4. All the supervisors, engineers, skilled/un-skilled labourers and welders along with lifting equipments, measuring, diagnostic & testing tools and other T & P required to carryout the job shall be in the scope of contractor. However available special T & P required to complete the job shall be provided by HPGCL.
5. All the required spares /consumables which go into the machine to complete the job shall be provided by HPGCL free of cost.
6. Contractor has to make his own arrangement for welding set/welding generator set, gas cutting set & welding accessories including electrodes and gases used for cutting etc.
7. All tools and tackles like spanners, hammers, chain pulley, blades & pulley lift etc. shall have to be arranged by the contractor The available T&P like EOT Crane, electric hoist installed in TG site will be made available to the contractor free of charge. However EOT crane operator(s) for operating the EOT crane shall be arranged by the contractor.
8. The entire work shall be completed by the contractor with in the time given by Engineer- in charge and to achieve this contractor has to work round the clock. However, In case, there is any delay due to supply of spares parts or any Job involving machining etc. then time extension shall be given accordingly by the Engineer-in-charge.
9. The description of works and detailed scope of work has been given in Annexure IV, However, in case of any new job; the rate shall be decided by HPGCL on the representation of the contractor, for the job entrusted to him not included in the scope of work. It will be obligatory on the part of the contractor to carry out left over jobs relating to the system.
10. Any temporary Platform etc. required to execute any work shall be in the scope of contractor.
11. The Air, water and electricity near the working place shall be provided free of cost by HPGCL. However the contractor will be responsible for using electricity for carrying out the welding/cutting & for site office near Unit 1& 2 judiciously.
12. The work shop facility during any job will be provided free of charges as per availability. The transportation of job from site to workshop & vice versa will be in the scope of contractor.
13. The transportation of spares from O&M store to site store or place of work will be in the scope of contractor.

14. After attending the job, the area will have to be got cleaned / cleared and scrap etc. to be removed from site. The transportation of scrap from site to O&M store will be in the scope of contractor. 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.
15. If required, the space for office and store can be provided by HPGCL, near Unit-1&2.
16. The contractor has to mobilize the site with in 48 hrs of intimation & there after start/complete the work/job as per scope of work & with in stipulated period after receiving written or verbal instructions from engineers in charge.
17. In the opinion of engineer-in-charge, if the contractor is deliberately delaying the job, HPGCL will be free to get the work completed from other firm at the risk & cost of contractor. The expenditure so incurred & along with penalty as per clause 8 of **Annex.-III** will be deducted from the bill.

Executive Engineer/TG-II
For Chief Engineer, DCRTTP
HPGCL, Yamuna Nagar.

**DETAIL SCOPE OF WORK and Technical Specification of T.G. Equipment installed at
2X300MW, DCRTPP, Yamuna Nagar.**

Steam Turbine :-

Specifications:- Sub critical tandem compound combined HP and IP , LP double flow , single intermediate Reheat and condensate turbine, speed of turning gear = 2.51 rpm.

Type : STC / N300-16.7 / 538 / 538, **Make: SEC China**

Design : SIEMEN WESTINGHOUSE

H.P. Turbine : 1 (Control stage- Impulse) + 11 (Reaction stages), **I.P. Turbine :** 9 (Reaction stages), **L.P. Turbine :** 2 x 7 (Reaction stages)

Type of Governing: Digital Electric Hydraulic (Ovation) ; Number of Governing Valves: 6 Nos., Numbers of Throttle Valves: 2 Nos. ; Numbers of Reheat Stop Valves: 2 Nos., Numbers of Interceptor Control valve: 2 Nos. ; Numbers of Oil Cooled Bearings: 4 Nos. (Tilting Pad Type) + 1 (Thrust Bearing).

Generator :-

Specifications:- Two pole cylindrical rotor type synchronous machine coupled with steam turbine. , Type : QFSN-300-2 ,**Make:**SEC, China, **Design: SIEMEN WESTINGHOUSE**

Cooling Method: Stator winding & Terminal, Bushing are water inner-cooled, the rotor winding and stator core hydrogen cooled., No. of bearings: 2 No. (Journal Type)

Exciter:

Type: Brushless, No. of bearings: 1 No. (Journal Type)

Scope Of Work

Sr. No.	Scope of work for maintenance/ breakdown of SEC make, TG Equipment.	Description	Duration of each activity.	Tentative Quantity/ Frequency (No)
1	<p><u>Inspection/replacement of bearing of Turbine /Generator/ Exciter/ Thrust Bearing:</u> The fault tracing rectification of high vibration & Temp. Removal of top cover and bearing. Measure & record the bearing & Journal diameters. Inspect the rotor journal & thrust collar for scoring, babbitt of bearing & thrust pads for scoring, wiping, Cracking etc. by DPT & Ultrasonic method. Checking of bearing support pads and tilting bearing support button for wear/scoring/pitting etc. Checking of oil distribution and drain age holes and seal ring. Fix up the bearing & measure the bearing oil seal ring clearance and maintain those as per drawing after assembly and commissioning thereof.</p>	Any Bearings of Turbine, Generator & Exciter	5 days	2

2 (A)	<u>Inspection/Replacement of internals of Turbine Governing valve</u> : Decoupling of the valve from its cylinder dismantlement of the internals. Inspection of valve stem, nuts, valve disc and seating area. Studs & the valve seat/backseat, steam chest and bonnet sealing surfaces and valve operating linkages. Blue matching of seat of the valve and attend the scratches/ marks on the seat. Box up of the valve and measure clearance of valve operating linkages and commissioning thereof.	A) Any GV	4 days	2
2 (B)	<u>Inspection/Replacement of internals of Turbine Throttle valve/Reheat Stop Valve/ Intermediate Valve</u> : Decoupling of the valve from its cylinder dismantlement of the internals. Inspection of valve stem, nuts, valve disc and seating area. Studs & the valve seat/backseat, steam chest and bonnet sealing surfaces and valve operating linkages. Blue matching of seat of the valve and attend the scratches/ marks on the seat. Box up of the valve and measure clearance of valve operating linkages and commissioning thereof.	B)Any IVs, RSVs, TVs	4 days	2
3 (A)	<u>Checking of coupling of HIP to LP Turbine/ LP Turbine to Generator</u> : Inspect coupling bolts, nuts & washers, measure coupling alignment, Remove coupling spacers, check spindle travels and measure the gap between the coupling and commissioning thereof.	A) Checking of coupling of HIP to LP Turbine OR Checking of coupling of LP Turbine to Generator	5 days	1
3 (B)	<u>Checking of coupling of Generator to Exciter</u> : Inspect coupling bolts, nuts & washers, measure coupling alignment, Remove coupling spacers, check spindle travels and measure the gap between the coupling and commissioning thereof.	B) Checking of coupling of Generator to Exciter	5 days	1
4	<u>Main Oil Pump</u> : Removal of the top cover of the front bearing pedestal. Dismantlement of main oil pump, Oil seals and its impeller. Measure the clearance of MOP, Oil seals and run out of the extension shaft & eccentricity disc. Replacement of the defective parts & box up of the MOP and commissioning thereof.	Main oil pump	3 days	1
5	<u>Turning Gear</u> :Decoupling of the Turning Gear from its motor and inspect the gears/ bearing/ bushings Gears spray & clutch and measure clearance of bearings. Replacement of damaged/defective parts. Coupling of Turning Gear with motor & Commission of the same and commissioning thereof.	Turning gear	3 days	1

6	<u>Inspection of Over speed mechanism</u> :Removal of top cover of front bearing pedestal, checking of various components of over speed mechanism, replacement of defective/damaged parts, checking/testing of over speed governor mechanism & box up the top cover and commissioning thereof.	Over speed mechanism	3 days	1
7	<u>Inspection/Checking of H2 leakage from gland seals of generator Turbine side or Exciter side</u> :Removal of end shield, generator man holes, seal body, checking of the seal body & seal ring, replacement of the seal ring, checking of the seal oil clearance, replacement of seal body fins if required. Box up of the gland shield man holes, of generator and filling sealing compound in end shield. Carrying out the air leakage test of stator and commissioning thereof.	Inspection/Checking of H ₂ leakage from gland seals of generator (Turbine side or Exciter side)	7 days	1
8	<u>Checking of the jacking oil lines</u> :Inspection of the jacking oil lines for the turbine & generator and removal of any blockage. Adjusting the Jacking oil pressure and checking of the lift of the turbine/generator rotor as per drawing and commissioning thereof.	Jacking oil lines	2 days	1 No.
9	<u>Checking/replacement of gland bodies of turbine</u> : Checking/replacement of gland bodies of turbine: Removal of the gland body of HIP/LP turbine, replacement of the damaged fins, fixing the gland body & maintaining & measuring the gap of gland fins with rotor turbine and commissioning thereof.	Gland bodies of Turbine	2 days	1 No.
10	<u>Attending High Bearing vibration & balancing (01 to 07)</u> : Analysis of the high vibrations problems any bearing of the turbine/generator/Exciter bearing and attending the same by dynamic/static balancing thereof and commissioning thereof.	Bearing Vibrations	3 days	1 No.

11	<u>Inspection of Exciter Bearing (Brg. No.-7), Alignment of Generator Exciter coupling & setting swing of Exciter</u> : Removal of rubber coupling of the exciter coolers, removal exciter cover. Dismantlement of coupling cover, loosening of coupling bolts, replacement of worn-out parts, Alignment i.e. checking/recording & setting of Run out, tightening of coupling bolts to the required torque, measure/ setting the gap between the coupling. Removal of the top cover of bearing no.7, checking of the bearing for cracking/scoring. Carryout DP/Ultrasonic test. Checking of oil distribution & blockage & seal ring etc. Checking & setting of swing. Check as per drawing. Alignment & recording of the clearances of PMG Boxing up of exciter & Bearing and commissioning thereof.	Bearing no. 7	3 days	1 No.
12	<u>Replacement of Gaskets of LP-IP crossover pipe</u> :Cutting / removal of insulation, loosening of flanges bolts, lifting of crossover pipe, checking/replacement of gaskets, Inspection of bellow & flange covers through DP/Ultrasonic test, box up of crossover pipe and commissioning thereof.	LP-IP cross over pipe	5 days	1 No.
13	<u>Checking of H2 leakage (Out side of Gen.)</u> :Checking/Detection of H2 leakage from outside the generator by using H2 detector/Freon Gas/Soap solution detection method. Filling of compound in the end shield if required and commissioning thereof.	Checking of H2 leakage (Out side of Generator)	2 days	1 No.
14	Providing services of expert engineer during breakdown of TG equipments & advising for trouble shooting of various problems of Turbine & Generator. Charges (in Rs.) of expert engineer per day including To & Fro travelling to DCRTTP, Yamuna Nagar.	Service charges per day including Sundays/Holidays for 10 hrs. per day basis for 10 Days		

Executive Engineer/TG-II
For Chief Engineer, DCRTTP
HPGCL, Yamuna Nagar

Rate Quoting Sheet/Price Bid of TG system/Aux Unit I & II for Two Years

Sr. No.	Scope of work for maintenance/ breakdown of SEC make, TG Equipment.	Description	Duration of each activity.	Tentative Quantity/ Frequency (No)	Unit rate (Rs.) for one no. equipment	Total Rate (Rs.)
1	<u>Inspection/replacement of bearing of Turbine /Generator/ Exciter/ Thrust Bearing:</u> The fault tracing rectification of high vibration & Temp. Removal of top cover and bearing. Measure & record the bearing & Journal diameters. Inspect the rotor journal & thrust collar for scoring, babbit of bearing & thrust pads for scoring, wiping, Cracking etc. by DPT & Ultrasonic method. Checking of bearing support pads and tilting bearing support button for wear/scoring/pitting etc. Checking of oil distribution and drain age holes and seal ring. Fix up the bearing & measure the bearing oil seal ring clearance and maintain those as per drawing after assembly and commissioning thereof.	Any Bearings of Turbine, Generator & Exciter	5 days	2		
2 (A)	<u>Inspection/Replacement of internals of Turbine Governing valve :</u> Decoupling of the valve from its cylinder dismantlement of the internals. Inspection of valve stem, nuts, valve disc and seating area. Studs & the valve seat/backseat, steam chest and bonnet sealing surfaces and valve operating linkages. Blue matching of seat of the valve and attend the scratches/ marks on the seat. Box up of the valve and measure clearance of valve operating linkages and commissioning thereof.	A) Any GV	4 days	2		

2 (B)	<u>Inspection/Replacement of internals of Turbine Throttle valve/Reheat Stop Valve/Intermediate Valve</u> : Decoupling of the valve from its cylinder dismantlement of the internals. Inspection of valve stem, nuts, valve disc and seating area. Studs & the valve seat/backseat, steam chest and bonnet sealing surfaces and valve operating linkages. Blue matching of seat of the valve and attend the scratches/ marks on the seat. Box up of the valve and measure clearance of valve operating linkages and commissioning thereof.	B)Any IVs, RSVs, TVs	4 days	2		
3 (A)	<u>Checking of coupling of HIP to LP Turbine/ LP Turbine to Generator:</u> Inspect coupling bolts, nuts & washers, measure coupling alignment, Remove coupling spacers, check spindle travels and measure the gap between the coupling and commissioning thereof.	A) Checking of coupling of HIP to LP Turbine OR Checking of coupling of LP Turbine to Generator	5 days	1		
3 (B)	<u>Checking of coupling of Generator to Exciter:</u> Inspect coupling bolts, nuts & washers, measure coupling alignment, Remove coupling spacers, check spindle travels and measure the gap between the coupling and commissioning thereof.	B) Checking of coupling of Generator to Exciter	5 days	1		
4	<u>Main Oil Pump</u> : Removal of the top cover of the front bearing pedestal. Dismantlement of main oil pump, Oil seals and its impeller. Measure the clearance of MOP, Oil seals and run out of the extension shaft & eccentricity disc. Replacement of the defective parts & box up of the MOP and commissioning thereof.	Main oil pump	3 days	1		
5	<u>Turning Gear</u> :Decoupling of the Turning Gear from its motor and inspect the gears/ bearing/ bushings Gears spray & clutch and measure clearance of bearings. Replacement of damaged/defective parts. Coupling of Turning Gear with motor & Commission of the same and commissioning thereof.	Turning gear	3 days	1		

6	<u>Inspection of Over speed mechanism</u> :Removal of top cover of front bearing pedestal, checking of various components of over speed mechanism, replacement of defective/damaged parts, checking/testing of over speed governor mechanism & box up the top cover and commissioning thereof.	Over speed mechanism	3 days	1		
7	<u>Inspection/Checking of H2 leakage from gland seals of generator Turbine side or Exciter side</u> :Removal of end shield, generator man holes, seal body, checking of the seal body & seal ring, replacement of the seal ring, checking of the seal oil clearance, replacement of seal body fins if required. Box up of the gland shield man holes, of generator and filling sealing compound in end shield. Carrying out the air leakage test of stator and commissioning thereof.	Inspection/Checking of H ₂ leakage from gland seals of generator (Turbine side or Exciter side)	7 days	1		
8	<u>Checking of the jacking oil lines</u> :Inspection of the jacking oil lines for the turbine & generator and removal of any blockage. Adjusting the Jacking oil pressure and checking of the lift of the turbine/generator rotor as per drawing and commissioning thereof.	Jacking oil lines	2 days	1 No.		
9	<u>Checking/replacement of gland bodies of turbine:</u> Checking/replacement of gland bodies of turbine: Removal of the gland body of HIP/LP turbine, replacement of the damaged fins, fixing the gland body & maintaining & measuring the gap of gland fins with rotor turbine and commissioning thereof.	Gland bodies of Turbine	2 days	1 No.		
10	<u>Attending High Bearing vibration & balancing (01 to 07):</u> Analysis of the high vibrations problems any bearing of the turbine/generator/Exciter bearing and attending the same by dynamic/static balancing thereof and commissioning thereof.	Bearing Vibrations	3 days	1 No.		

11	<p><u>Inspection of Exciter Bearing (Brq. No.-7), Alignment of Generator Exciter coupling & setting swing of Exciter</u> : Removal of rubber coupling of the exciter coolers, removal exciter cover. Dismantlement of coupling cover, loosening of coupling bolts, replacement of worn-out parts, Alignment i.e. checking/recording & setting of Run out, tightening of coupling bolts to the required torque, measure/ setting the gap between the coupling. Removal of the top cover of bearing no.7, checking of the bearing for cracking/scoring. Carryout DP/Ultrasonic test. Checking of oil distribution & blockage & seal ring etc. Checking & setting of swing. Check as per drawing. Alignment & recording of the clearances of PMG Boxing up of exciter & Bearing and commissioning thereof.</p>	Bearing no. 7	3 days	1 No.		
12	<p><u>Replacement of Gaskets of LP-IP crossover pipe</u> :Cutting / removal of insulation, loosening of flanges bolts, lifting of crossover pipe, checking/replacement of gaskets, Inspection of bellow & flange covers through DP/Ultrasonic test, box up of crossover pipe and commissioning thereof.</p>	LP-IP cross over pipe	5 days	1 No.		
13	<p><u>Checking of H2 leakage (Out side of Gen.)</u>:Checking/Detection of H2 leakage from outside the generator by using H2 detector/Freon Gas/Soap solution detection method. Filling of compound in the end shield if required and commissioning thereof.</p>	Checking of H2 leakage (Out side of Generator)	2 days	1 No.		
14	<p>Providing services of expert engineer during breakdown of TG equipments & advising for trouble shooting of various problems of Turbine & Generator. Charges (in Rs.) of expert engineer per day including To & Fro travelling to DCRTPP, Yamuna Nagar.</p>	Service charges per day including Sundays/Holidays for 10 hrs. per day basis for 10 Days				

- GST/Taxes applicable shall be extra as applicable.

For Executive Engineer/TG-II
Chief Engineer, DCRTTP
HPGCL, Yamuna Nagar.

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 _____
- CST 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

Acceptance certificate

I _____ Designation _____

_____ of (Name of Company)

Here by accept the terms and conditions given on page no.-..... of the tender document

(NIT No:Ch-10/TG-II/275 dated:11.06.24).

For M/s _____

Date:

Place:

CHECK LIST FOR BIDDER

Sr. No.	Technical Specification	Bidder Response (Yes or No)
1.	Acceptance of all terms & conditions of tender.	
2.	Documentary Evidence regarding Qualification Criteria	
	i) Proof for possessing the Labour License from Labour Department, Govt. of Haryana or requisite undertaking.	
	ii) Permanent EPF Registration number from Provident Fund Commissioner.	
	iii) Experience Certificates duly attested for successfully providing work as prescribed in NIT.	
	iv) ESI Number.	
	v) PAN Number / TAN Number.	
	vi) GST Registration Number along with HSN code	
	vii) Proof Regarding Pre Qualifying Requirements (PQRs) / Eligibility Criteria.	
3.	Authority letter in the name of the Authorized Person who has signed the Tender Document / Price Bid on behalf of the Contractor / Company if any.	