HARYANA POWER GENERATION CORPORATION LIMITED
Regd. Office – C-7, Urja Bhawan, Sector- 6, Panchkula
Corporate Identity Number: U45207HR1997SGC033517
Website: www.hpgcl.org.in, E-mail: xentgm2.rgtpp@hpgcl.org.in, M. No. 8222023866

Tender Document

for

Annual maintenance contract (AMC) for TG and its auxiliaries of 2X600 MW, Unit-1&2 (SEC, China make) at RGTPP, Khedar, Hisar for a period of 2 years.

NIT No.: 15/Ch- 18 /RGTPP/TGM-II/112 / XXI

Dated: 18-05-2026

XEN/TGM-II
For CE/RGTPP, HPGCL,
Khedar, Hisar.

INDEX

NOTICE INVITING TENDER AND KEY DATES

E-tenders in two parts are invited on behalf of CE/RGTPP, HPGCL, Khedar, Hisar from eligible parties, for Annual Maintenance Contract for TG and its Auxiliaries of 2X600 MW, Unit-1&2, RGTPP, Khedar, Hisar.

Tender Enquiry No.	**See front page**
Description of Work	Annual maintenance contract (AMC) for TG and its auxiliaries of 2X600 MW, Unit-1&2 (SEC, China make) at RGTPP, Khedar, Hisar for a period of 2 years.
Earnest Money	Rs. 2,70,400/- (Rupees Two Lac Seventy Thousand Four Hundred only)
Period of Contract	Two Years (Extendable to further for three months, if required)
Cost of Tender documents (Non-refundable)	Rs 1180/- (Rs. Eleven Hundred Eighty only)
E-services fees (Non-refundable)	Rs 1180/- (Rs. Eleven Hundred Eighty only)
Contacts	Sh. Vivek Kumar Singh, XEN/TGM-II E mail Id: xentgm2.rgtpp@hpgcl.org.in M. No. : 8222023866

The following may be exempt from depositing the earnest money:-

i. Central/ Haryana state government agencies applying in response to the tender. Provided further that the provision of this regulation may not apply to a public sector undertaking of the central/ Haryana state government with whom separate terms regarding security deposit, if any, may be negotiated/ provided for.

ii. Firms borne on D.G.S. & D/DS&D Haryana rate contracts. The exemption shall be for the specified items which are available on DGS&D/DS&D rate contract.

iii. Firms registered with the Director of Industries, Haryana or registered with National Small Industries Corporation, Govt. of India. The exemption shall be for specified items which are available on Director of Industries, Haryana/ National Small Industrial Corporation rate contract.

iv. Firms borne on the HPGCL's approved list of suppliers which may have made a permanent earnest money deposit of Rs. 10.00 Lakh for quoting at the respective project/ office of HPGCL, or Rs. 20.00 lakh for quoting anywhere in the HPGCL, if they quote the registration number given by the respective project/office of HPGCL in their tender papers.

v. Bidders who have contractor Identity and are registered on HEWP & have deposited one time deposit are also eligible for EMD exemption. However, bidder shall submit bid specific Earnest Money Declaration Form generated from HEWP.

Note: Those agency who are exempted from EMD, should submit related documents for proof.

Key dates

S. No.	Tender's Stage	Start date and time	Expiry date and time
1.	Downloading of Tender Documents, Bid Preparation & Submission	Same as mentioned at the portal https://etenders.hry.nic.in	
2.	Technical Bid Opening (Part-I)		
3.	Short listing of Technical bids & Opening of Price/ Financial Bid.	Will be intimated to the firms on their respective email Id.	

Annexure- I

E-TENDERING

1. **Download the tender document:**

   The Bidders can download the tender documents from the Portal: https://etenders.hry.nic.in.

2. **Pre-requisites for online bidding:**

   In order to bid online on the portal https://etenders.hry.nic.in , all the detail is available on the Home page of the e-tendering Portal https://etenders.hry.nic.in.

3. **Online Viewing of Detailed Notice Inviting Tenders:**

   The bidders can view the detailed NIT 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.

4. **Bid Preparation (Technical and Financial) Online Payment of Document Tender Fee, e-Service Fee, EMD Fee of the On-line Bids:**

   a. The Bidders shall have to pay for the Tender documents, EMD Fees & e-Service Fee online by using the service of secure electronic payment gateway. The secure electronic payments gateway is an online interface between contractors and online payment authorization networks. The Payment for Tender Document Fee and eService Fee can be made by eligible bidders/ contractors online. For online payments, Home page of the e-tendering portal https://etenders.hry.nic.in may be referred.
   b. In case where tenders are received in two parts, the bidders shall upload their technical offer containing documents, qualifying criteria, technical specifications, schedule of deliveries, and all other terms and conditions except the rates (price bid) in the Part-I (Technical envelope). The price bid shall be submitted in separate Part-II format supplied by purchasing authority online. The committee member shall open only the Part-I on schedule date of opening of Technical Bid. As per system settings, Part-II cannot be opened on that date.
   c. The tender shall be opened on due date by Tender Opening Committee comprising of XEN, AE/AEE and a representative of finance / account department not below the rank of Section Officer/ Divisional Accountant. The tender document shall be downloaded and print outs taken.

5. **Key dates:**

   a. The tenderer can submit their tender documents online as per the key dates .
   b. 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 the 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.

6. If the tenders are cancelled or recalled on any grounds, the tender document fee & and e service fee will not be refunded to the agency. However the EMD shall be refunded.
7. 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.
8. The bidders shall ensure that payment shall be made prior to last date of submission of the bid.
9. The bidder can revise his price bid any number of times but only before last date of submission of the bid. All previous quotes are deleted & only the latest price quoted is visible to the purchasing authority on the date of opening of price bid.
10. 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.

11. **Preliminary information for bidders:**

    a. Registration of bidders on e-Procurement Portal:-
    b. All the bidders intending to participate in the tenders processed online are required to get registered on the government e-Procurement Portal i.e. https://etenders.hry.nic.in. Please visit the website for more details.
    c. Obtaining a Digital Certificate:
       i) The bidders may obtain 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 the address provided at the government e-Procurement Portal i.e. https://etenders.hry.nic.in. by clicking ' Information about DSC'
       ii) Bid for a particular tender must be submitted online using the digital certificate (Encryption & Signing). 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).
       iii) 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.

iv) 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.

v) 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.

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

GENERAL INSTRUCTIONS TO THE BIDDERS

1. **Pre-qualifying Requirements (PQRs) / Eligibility Conditions for the Tenderer:**
   The tender document of only those bidders shall be considered who fulfil the following eligibility criteria and submit documentary evidences in support of the same.
   a. The bidder should be the Original Equipment Manufacturer / Supplier (OEM/OES) or a registered vendor of HPGCL, as per vendor registration policy for the specific category of work/purchase.
      OR
      The bidder must have experience of having successfully executed Work Orders in HPGCL/NTPC/ any SEBS/ any corporation/ Central Govt. / State Govt. / Semi Govt. or in any Thermal / Hydel Plant of minimum capacity 110 MW or above, and have average annual turnover and other eligibility conditions as given below:
      The bidder must have successfully executed the work order(s) for the same or similar work(s) during last **7 years** ending last day of the month previous to the month in which applications are invited and having minimum work order value as under:
      Single order of the value not less than **Rs. 54.06 Lacs** (Fifty Four Lacs six Thousand) or
      Two work orders of value not less than of **Rs. 33.79 Lacs** each (Thirty Three Lacs Seventy Nine Thousand) or
      Three work orders of value not less than of **Rs. 27.03 Lacs** each (Twenty Seven Lacs Three Thousand)
   b. The bidder must have average turnover in last three consecutive financial years ended prior to the Financial Year in which applications are invited not less than **Rs. 67.58 Lacs** (Sixty Seven Lacs Fifty Eight Thousand).
   c. The bidder shall possess PAN No. GST Registration Number, EPF registration No. and ESI Registration Number.
   d. The contractor is registered under Contract Labour (Regulation & Abolition) Act, 1970 and possesses a valid labour license for deploying the workers on the work or will obtain the same within 15 days of issuance of work order.
   e. The firm should submit a certificate that the firm is not blacklisted presently in any organization.
   f. **Bidder(s) shall have HEWP contractor Identity while applying for the tender.**

   Note: -
   a. Eligibility of the blacklisted firms to participate in the NIT:
      The firms who have been blacklisted by HPGCL or any other Centre or State Power Utilities/ Board or Corporations / or any other Thermal/ Hydroelectric project shall not be eligible to bid against NIT of HPGCL, However;
      i) In case the blacklisting of firm is for a specific plant and not for the organization as a whole then such blacklist 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 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 deemed fit.
   b. 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. Decision of the HPGCL regarding fulfilment of pre-qualification requirement shall be final and binding upon the bidders.
   c. The participating bidder has to submit the copy of work orders executed by them along with completion / performance certificate or copy of repeated work orders from the same agency /power plant etc. duly attested in support of the qualifying conditions as a proof of satisfactory execution of work.
   d. Other income shall not be considered for arriving at Annual Turnover. In case of audited results for preceding financial years are not available for determining the Annual Turnover then certificate of financial statement from practicing chartered accountant shall be considered acceptable.
   e. The work order value referred above is inclusive of all taxes and duties.
2. 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. Any information if required, can be had from the office concerned, on any working day prior to last date of submission of tender regarding Downloading of Tender Documents & Bid Preparation.
3. The "Application for Bidding" along with the "Terms and conditions of the contract and all Annexures" should be submitted duly filed up completely and signed on each page by the Tenderer online. Work offered should be strictly according to the 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.
4. 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.

5. 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.
6. No deviation shall be allowed. However, in case of deviation of taxes etc., the same be loaded for comparison purpose.
7. 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.
8. The rate negotiations to be held as per guideline/ policy of Govt. of Haryana issued from time to time and duly adopted by HPGCL.
9. The whole work against this tender shall be awarded to a single firm whose overall quoted prices are lowest for the complete package [Part-A + Part-B].
10. The validity of the tender/offer shall be for **120 days** from the date of opening of the price bid.
11. Rates shall be quoted by the tenderer, item wise with price breakup on FOR destination basis on the format supplied by the purchaser. No deviation in the terms shall be allowed.
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 including bank charges, if any, associated with the preparation and submission of his bid and the purchaser will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.
14. The purchaser reserves the right to cancel the NIT or to change/modify the qualifying requirement or to reject any or all the tenders so received without assigning any reason.

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

Annexure-III

Scope of work (Part-A & B) cum price quoting sheet

Sr.	Description of Work / Item(s)	UOM	Tentative Qty.	Unit Rates	Amount
A	**Part -A (As per detailed scope of work of Part-A of NIT)**				
1	Part -A of the AMC of TG and It's Auxiliaries of 2X600 MW, Unit-1&2, RGTPP, Khedar, Hisar	Month	24		
B	**Part - B (As per detailed scope of work of Part-B of NIT)**				
1	A1: Replacement of Mech. Seals (DE/NDE) of BFP Main Pump.	No.	8		
2	A2: Replacement of Mech. Seals (DE/NDE) of BFP Booster Pump	No.	10		
3	A3: Decoupling / Coupling / Replacement of couplings along with alignment of BFP Booster Pump and motor	No.	6		
4	A4: DE / NDE bearing inspection for BFP/BFP booster pump/ TDBFP Turbine/MDBFP motor	No.	22		
5	A5: Servicing/overhauling of Hydraulic coupling along with alignment of MDBFP with motor and pump.	No.	3		
6	A6: Attending of parting plane leakage of BFP booster pumps	No.	7		
7	A7: Replacement of Cartridge of BFP	No.	2		
8	A8: Decoupling / coupling / replacement of Coupling & alignment of MDBF Pump with HC / HC with motor/ TDBF Pump with turbine.	No.	6		
9	A9: Decoupling / coupling the TDBFP barring gear with its motor	No.	3		
10	A10: Overhauling of BFP booster pump	No.	9		
11	B1: Decoupling / Coupling of motor of CEPS	No.	8		
12	B2: Checking / replacement of thrust bearing of CEP	No.	7		
13	B3: Replacement of Cartridge of CEP	No.	3		
14	B4: Overhauling of pump of CEP	No.	3		
15	B5: Replacement of couplings of CEP pumps	No.	4		
16	C1: Decoupling / Coupling of motor of CW Pumps	No.	9		
17	C2: Checking / replacement of thrust bearing of CW Pumps	No.	8		
18	C3: Overhauling of CW Pumps	No.	5		
19	C4: Replacement of couplings of CW pumps	No.	4		
20	D1: Decoupling / Coupling of motor of ACW Pump and Raw Water Pumps.	No.	9		
21	D2: Checking / replacement of thrust bearing of ACW Pump and Raw Water Pumps.	No.	6		
22	D3: Overhauling of Pump of ACW Pump and Raw Water Pumps.	No.	5		
23	D4: Replacement of couplings of ACW pumps/ Raw water pumps	No.	3		
24	E1: Replacement of coupling of TG DMCCW Pumps /SG DMCCW pumps / Emergency Cooling Pump of BCP/ CPU pumps	No.	10		
25	E2: Checking/replacement of Bearings (DE/NDE) of TG DMCCW Pumps /SG DMCCW pumps / Emergency Cooling Pump of BCP/ CPU pumps	No.	10		
26	E3: Overhauling of Pump of TG DMCCW Pumps /SG DMCCW pumps / Emergency Cooling Pump of BCP/ CPU pumps	No.	13		
27	E4: Replacement of Mech. Seals (DE/NDE) of TG DMCCW Pumps /SG DMCCW pumps / Emergency Cooling Pump of BCP/ CPU pumps	No.	8		
28	F1: Overhauling of Boiler Fill Pump/DM Transfer Pump/Colony Potable Water Pump/Service Water Pump/Phosphate Dosing Pump/CT make up Pumps/APH / ESP Wash Pump/Hot well make-up pump/Ammonia dosing pump	No.	28		
29	F2: Checking/replacement of Bearings (DE/NDE) of Boiler Fill Pump/DM Transfer Pump/Colony Potable Water Pump/Service Water Pump/Phosphate Dosing Pump/CT make up Pumps/APH / ESP Wash Pump/Hot well make-up pump/Ammonia dosing pump	No.	26		
30	F3: Replacement of Mech. Seals (DE/NDE) of Boiler Fill Pump/DM Transfer Pump/Colony Potable Water Pump/Service Water Pump/Phosphate Dosing Pump/CT make up Pumps/APH / ESP Wash Pump/Hot well make-up pump/Ammonia dosing pump	No.	26		
31	F4: Replacement of pump of Boiler Fill Pump/DM Transfer Pump/Colony Potable Water Pump/Service Water Pump/Phosphate Dosing Pump/CT make up Pumps/APH / ESP Wash Pump/Hot well make-up pump/Ammonia dosing pump	No.	7		
32	G1: Servicing of hydrogen blower	No.	2		
33	H1: Replacement of Pump of Turbine Bearing Oil Pumps	No.	4		

	AC/Emergency oil pumps DC				
34	I1: Servicing of Pump of JOPs/HP Seal Oil Pumps/Seal Oil Pumps AC/Seal Oil Pumps DC/TDBFPs bearing oil pump.	No.	8		
35	I2: Replacement of Mech. Seals of JOPs/HP Seal Oil Pumps/Seal Oil Pumps AC/Seal Oil Pumps DC/TDBFPs bearing oil pump.	No.	10		
36	J1: Replacement of pump of EH oil Pump/EH cycle pump /HP Bypass Pumps/LP Bypass pumps	No.	8		
37	J2: Servicing of pump of EH oil Pump/EH cycle pump /HP Bypass Pumps/LP Bypass pumps	No.	3		
38	K1: Replacement of pump of Stator Water Pumps	No.	3		
39	K2: Replacement of Mech. Seals of Stator Water Pumps (4 no.)	No.	4		
40	K3: Servicing of Pump of Stator Water Pumps (4 no.)	No.	4		
41	L1: Replacement of coupling of pump/motor of Condenser tube cleaning pumps/Sump Pump/ Lube Oil Transfer Pump	No.	10		
42	L2: Overhauling of Condenser tube cleaning pumps/Sump Pump/ Lube Oil Transfer Pump	No.	6		
43	L3: Replacement of Mech. Seals of Condenser tube cleaning pumps/Sump Pump/ Lube Oil Transfer Pump	No.	5		
44	M1: Cleaning of oil tank i.e. MOT /Dirty Oil Tank / Clean Oil tank / TDBFP Oil Tank	No.	10		
45	M2: Cleaning of Water tank i.e. Service water tank/Potable water tank/Condensate Storage tank/ CCW expansion tank	No.	6		
46	N1: Servicing of bowl assembly including worm wheel and worm shaft of MOT Centrifuge/TDBFP centrifuge)	No.	7		
47	N2: Replacement of Oil Seals/servicing of the pump of Centrifuge of MOT Centrifuge/ TDBFP centrifuge)	No.	7		
48	N3: Replacement of Coupling bush and shoe pad of suction pump/gear pump of MOT Centrifuge/TDBFP centrifuge)	No.	12		
49	N4: Repair / servicing of heater Tanks of MOT Centrifuge/TDBFP centrifuge)	No.	4		
50	O1: Replacement of N2 bladder HP bypass/ LP bypass/TDBFP Lube oil System/ EH Fluid System	No.	10		
51	P1: Inspection/replacement of Inter stage check valve of Condenser Vacuum Pumps	No.	5		
52	P2: Overhauling / Replacement of Re-circulation pump of Condenser Vacuum Pumps	No.	5		
53	P3: Replacement of suction valve/NRV of Condenser Vacuum Pumps	No.	4		
54	P4: Overhauling of Condenser Vacuum Pumps	No.	3		
55	P5: Replacement of Gear Box of Condenser Vacuum Pumps	No.	2		
56	P6: Replacement of coupling of Motor/Pump of Condenser Vacuum Pumps	No.	3		
57	P7: Replacement of Condenser Vacuum Pumps	No.	2		
58	Q1: Replacement of coupling in MH/AH/LT/CT Drives of EOT Crane /Misc. Hoist and Cranes at TG site.	No.	4		
59	Q2: Bearing replacement of the hooks/brakes of Main Hoist/Aux. Hoist of EOT Crane /Misc. Hoist/Cranes at TG site.	No.	6		
60	Q3: inspection / replacement of wheel bearing of cross travel of EOT crane	No.	10		
61	Q4: inspection / replacement of wheel bearing of Long travel of EOT crane	No.	10		
62	Q5: Replacement of oil seal in EOT Cranes of EOT Crane /Misc. Hoist and Cranes at TG site.	No.	4		
63	Q6: Replacement of micro gear box in EOT crane	No.	2		
64	Q7: Overhauling/ servicing of micro gear box in EOT crane	No.	4		
65	Q8: Replacement of gears in main gear boxes of MH, AH, LT, CT of EOT crane	No.	2		
66	Q9: Replacement of wire rope of MA/AH of EOT crane	No.	1		
67	R1: Welding of CS valves, pipes, bends / tees etc. of diameter more than 4 inches (measurements are in inches of welding length)	Inch	2550		
68	R2: Welding of MS/CI Pipes/Valves /bends / tees etc. of diameter more than 4 inches (measurements are in inches of welding length)	Inch	1725		
69	R3: Welding of Alloy steel pipes/ valves /bends / tees etc. of diameter more than 4 inches (measurements are in inches of welding length)	Inch	1750		
70	R4: Fabrication of MS Steel structure.	Ton	30		

71	R5: Modification /Re-routing of Pipe line up to Diameter4 Inches	Meter	130		
72	R6: Modification /Re-routing of Pipe line Diameter4 Inches to Diameter10 Inches	Meter	70		
73	**R7: Attending leakage of High Pressure pipes and Joints. (Units are per inch dia.)**	**per inch Dia.**	**600**		
74	S1: Servicing/replacement of Vapour Exhaust Fans of MOT/ Seal Oil / GSC/TDBFP oil tank	No.	12		
75	T1: Overhauling of Manual isolating/Motorized/Pneumatic/Non-return valve up to Diameter 4 Inches	No.	35		
76	T2: Overhauling of Manual isolating/Motorized/Pneumatic/Non-return valve more than Diameter 4 Inches up to Diameter10 Inches	No.	40		
77	T3: Overhauling of Manual isolating/Motorized/Pneumatic/Non-return valve more than Diameter 10 Inches up to Diameter 20 Inches	No.	30		
78	T4: Overhauling of Manual isolating/Motorized/Pneumatic/Non-return valve more than Diameter20 Inches	No.	25		
79	T5: Replacement of self-sealing rings of Manual isolating/Motorized/Pneumatic/Non-return valve up to Diameter10 Inches	No.	4		
80	T6: Replacement of self-sealing rings of Manual isolating/Motorized/Pneumatic/Non-return valve more than Diameter10 Inches	No.	6		
81	T7: Replacement/repair/overhauling of APRDS/HPH/LPH/Deaerator Safety Valves	No.	18		
82	T8: Complete replacement of actuator of Motorized/Pneumatic/Non-return valve up to 4 Inches size	No.	7		
83	T9: Complete replacement of actuator of Motorized/Pneumatic/Non-return valve more than 4 Inches size	No.	8		
84	T10: Overhauling of Electrical Actuator of Motorized/Pneumatic/Non-return valve	No.	90		
85	T11: Overhauling of HPBP Valve	No.	4		
86	T12: Overhauling of LPBP Valve	No.	4		
87	T13: Replacement of Manual isolating/Motorized/Pneumatic/Non-return valve more than Diameter 4 Inches up to Diameter 12 Inches	No.	8		
88	T14: Replacement of Manual isolating/Motorized/Pneumatic/Non-return valve more than Diameter 12 Inches up to Diameter 24 Inches	No.	8		
89	T15: Overhauling/replacement of gearboxes installed on valve sizes up to Diameter 24 Inches	No.	18		
90	T16: Overhauling/replacement of gearboxes installed on valve sizes above Diameter 24 Inches	No.	10		
91	U1: Replacement of gaskets of flanges/bonnets more than Diameter 4 Inches up to Diameter 6 Inches	No.	60		
92	U2: Replacement of gaskets of flanges/bonnets more than Diameter 6 Inches up to Diameter12 Inches	No.	90		
93	U3: Replacement of gaskets of flanges/bonnets more than Diameter 12 Inches up to Diameter24 Inches	No.	50		
94	U4: Replacement of gaskets of flanges/bonnets more than Diameter 24 Inches	No.	20		
95	U5: Replacement of Diaphragm of LP Turbine	No.	16		
96	U6: Replacement of Diaphragm of TDBFP Turbine	No.	10		
97	U7: Replacement of gasket set (01 Set=3 No. Gaskets) of flow nozzle of feed water system.	No.	8		
98	V1: Inspection/attend tube leakage of HP Heaters	No.	10		
99	V2: Inspection/attend tube leakage of LP Heaters	No.	5		
100	V3: Inspection/attend tube leakage of Gland steam cooler	No.	2		
101	V4: Inspection/ cleaning of Deaerator / FST and minor repair.	No.	5		
102	V5: Inspection/ cleaning of Condenser Hot well	No.	9		
103	W1: Check/attend the tube Leakage of Condenser	No.	8		
104	W2: Attending of Manhole Leakage of Condenser	No.	12		
105	W3: Inspection and cleaning of water box of Condenser	No.	10		
106	X1: Cleaning of PHE'S having number of plates less than 300	No.	4		
107	X2: Cleaning of PHE'S having number of plates more than 300	No.	4		
108	X3: Cleaning and Hydraulic Testing of seal oil coolers	No.	6		
109	X4: Cleaning and Hydraulic Testing of stator water coolers	No.	3		

110	X5: Cleaning and Hydraulic Testing of vacuum pump cooler	No.	7		
111	X6: Cleaning and Hydraulic Testing of MDBFP Lube Oil cooler	No.	3		
112	X7: Cleaning and Hydraulic Testing of MDBFP working oil cooler	No.	3		
113	X8: Cleaning of Auto Clean Filter	No.	12		
114	**X9: MDBFP motor cooler testing**	**No.**	**2**		
115	Y1: Cleaning of Strainers of CEP's / BFP/ BFP Booster pump	No.	30		
116	Z1: Replacement of rubber expansion joint up to Diameter 500 mm	No.	2		
117	Z2: Replacement of rubber expansion joint from Diameter 500 mm to Diameter 2000 mm	No.	8		
118	Z3: Replacement of rubber expansion joint more than Diameter 2000 mm	No.	5		
119	AA1: Inspection of COLTC ball collection system internals including minor repair work	No.	5		
120	AB1: Replacement of Coupling of the Motor / Pump of Instrument air compressors/Service Air Compressors	No.	4		
121	AB2: Level-B Servicing of Instrument air compressors/Service Air Compressors	No.	4		
122	AB3: Level-C Servicing of Instrument air compressors/Service Air Compressors	No.	4		
123	AB4: Replacement of HP Element of Instrument air compressors/Service Air Compressors	No.	1		
124	AB5: Replacement of LP Element of Instrument air compressors/Service Air Compressors	No.	1		
125	AB6: Level-D Servicing of Instrument air compressors/Service Air Compressors	No.	1		
126	AB7: Intercooler and after cooler cleaning of Instrument air compressors/Service Air Compressors	No.	4		
127	AC1: Inspection/Cleaning of CPU resin trap filter including opening and closing of filter	No.	15		
128	AD1: Refilling/Charging of refrigerant gas, their servicing and commissioning in Hydrogen driers	No.	6		
129	AE1: Refilling/ charging of refrigerant gas (R404a), their servicing and commissioning of Air Driers	No.	3		
130	AE2: Replacement of compressor along with Refilling/ charging of refrigerant gas (R404a), their servicing and commissioning of Air Driers	No.	2		
131	AE3: Cleaning of Heat exchangers of Air Dryers	No.	4		
132	AF1: Painting work on pipelines, tanks, enclosure and other equipments having area more than 10 sq. mtr at a single stretch(in sq. mtr.)	Sq. mtr.	4000		
133	**AG1: Removal of damaged/broken bolt or stud from foundation hole of CW discharge valve, Pumps, flanges etc. except main turbine.**	**No.**	**48**		

Note:

- The GST shall be paid extra as applicable.
- The above sheet is for reference only. The rate shall be filled by the bidder in rate quoting sheet attached at e-procurement website.
- The quantities of the activities mentioned above (except at Sr. no. 1) are tentative and will be paid on actual basis.

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

Detailed Scope of Work for Part-A (General Routine / Preventive Maintenance) of AMC

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

Sr. No.	Activity / Description
1)	**Decoupling / Coupling / replacement of coupling (if required) along with alignment of following pumps installed in TG Area** a) Turbine Bearing Oil Pumps (AC & DC) - 4Nos. b) HP Seal Oil Backup Pump – 2Nos. c) Jacking Oil Pumps (AC & DC) - 4Nos. d) H2 side Seal oil pumps- 4Nos. e) Air Side Seal Oil Pumps (AC & DC) - 4Nos. f) Stator Water Pumps - 4Nos. g) EH Fluid oil pumps – 4Nos. h) EH circulation Pump – 2Nos. i) HP/LP bypass oil system pumps including filter pump- 12Nos. j) TDBFP Bearing oil pumps (AC& DC)-12Nos. k) Re-circulation Pump of vacuum pump- 4Nos. l) Ammonia and hydrazine dosing pump, phosphate dosing pump-18Nos. m) Turbine hall EOT cranes motors, brakes and other crane/hoist in TG area. n) CT make-up pump – 03 Nos. o) Service water pumps -02 Nos. p) ESP/APH wash pump -02 Nos. q) Boiler Fill pumps -02 Nos. r) DM T/F pumps -03 Nos. s) Hot well make-up pumps -04 Nos. t) Colony potable water pumps -02 Nos. u) Centrifuge of MOT and TDBFP pumps. v) Cooling tower sludge pumps - 02 Nos. w) BCP Emergency Cooling water Pump- 02 Nos. x) Condenser tube cleaning Pumps- 04 Nos. y) CPU Pumps- 02 Nos. z) Sump Pumps aa) Lube oil transfer Pumps-02 Nos. bb) Instrument and Service Air Compressor from Motor-07 nos. **Only De-bolting and bolting of coupling of following pumps** cc) TGDMCCW Pumps -04 Nos. dd) SGDMCCW Pumps- 04 Nos. ee) TDBFP/MDBFP booster pumps -06 Nos. ff) Vacuum Pumps/Motors with gear box
2)	**Lube oil system (of Main turbine and TDBFP)** a) Cleaning of MOT & TDBFP centrifuge and central lube oil centrifuge including cleaning of their discs. b) Filling of Nitrogen in accumulator bladders of TDBFP lube oil system.
3)	**Filters:** a) Cleaning/checking/replacement of turbine lube oil filters, MOT basket filters, EH oil filters/ breather, EH purifier filters/breathers, stator water filters, air side / H2 side seal oil filters, TDBFP lube oil and safe oil filters, MDBFP duplex filters, MDBFP lube oil filters, HP& LP stop valve of TDBFP, JOP filters etc.
4)	**EH oil system and purifier** a) Cleaning of Control mechanism, to attend oil leakage from system, filling of Nitrogen in accumulator bladders. b) Cleaning and servicing of EH oil purifier.
5)	**HP- LP bypass system** a) Cleaning of Control Mechanism of HP / LP bypass system. b) Attending oil leakage from the HP / LP bypass valve system. c) Filling of Nitrogen in accumulator bladders.
6)	**Oil top-up:** a) Topping up of oil in all equipment maintained by TGM division i.e. Oil tanks (i.e. MOT, TDBFP & MDBFP Oil Tank, EH oil tank etc.), Actuators, pumps, centrifuge, purifiers, H2 dryer etc.
7)	**Main EOT Cranes (at 13 M TG building)** Greasing / Oiling & tightening of brakes of EOT cranes (130/25T) including minor repair. Greasing / Oiling & tightening of brakes misc. auxiliary's hoists and cranes of TG area including minor repair. Tightening of EOT crane's tracks. **Other EOT Cranes and misc. Hoist (CW area, SG DMCCW area, TG DMCCW area, booster pump area, vacuum pump area etc.)** Inspection, greasing, Oiling of bearings, gearboxes of LT and CT misc. And auxiliary hoist and cranes.
8)	**Leakage attend** a) Checking of H2 leakages in the Turbo Generator system and attend the leakage from valves and piping joints. b) Checking of air ingress in the Condenser System by soap test, Agarbati and other available means. c) Attending of steam / water / oil / gas / Air leakages of pipes, valves, bends & tees etc. up to 4 Inches size by welding.

	d) Checking and attend leakage in service water system and portable water system headers network pertaining to TGM-1 area. In case a clamp is required for attending the leakage, cutting of MS pipe and MS plates as per requirement using a gas cutting set for fabrication of the clamp shall be in the scope of contractor. However MS pipe and MS plates for fabrication of clamps will be provided by HPGCL
9)	**Valves and flanges:** a) Cleaning/replacement of O-rings or complete part (i.e. servo valve, dump valve, solenoid valve) of Turbine control valves (TV, GV, IV and RSV) and TDBFP Turbine (stop valves & control valves). b) Cleaning the threads of stem of valves & providing lubricants on them. c) Replacement and tightening of glands of valves up to 4 Inches. d) To make valves jammed free, where complete dismantlement is not required. e) Servicing of air release valves of CW/ACW system, raw water. f) Replacement of gasket in various flanges of valves etc. up to 4 Inches. g) Replacement of Manual isolating/Motorized/Pneumatic/Non-return valve up to Diameter 4 Inches
10)	**Compressors:** a) Replacement/cleaning of Air and oil filters, of Instrument and Service Air Compressors of Main Plant, and servicing of cooler drain valve. b) General cleaning of Air dryers of instrument Air compressors of main plant.
11)	**Cleaning** a) Cleaning of dust/oil/water from Turbine, Generator, Exciter, Governing valves, Turbine main oil system, stator water skids and piping , seal oil system, hydrogen blower and dryers, generator gas system, EH oil skids and lines, accumulators HP/LP bypass system, HP Heaters, LP heaters etc. b) Cleaning of suction strainers, line strainers for condenser vacuum pumps. c) Cleaning & greasing of sliding surfaces of turbine casing, HP heaters, LP heaters, and Feed storage tank etc.
12)	**Other Activities** a) Minor Painting work of various equipment /pipes having area up to 10 sq. meter in TG area. b) Replacement and tightening of glands of pumps in TG area without dismantlement. c) Replacement of resin in stator water system and basin filter of DEH system. d) Servicing/replacement of level indicator of HP/LP heaters, GSC, Deaerator, Feed Storage Tank (FST), Vacuum pumps separator tank, CCW expansion tanks, Condenser hot well, MOT &TDBFP oil tanks etc. e) Assistance in preventive maintenance. f) Replacement of Resin in stator water system.

Note:-

a) 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.

b) 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.

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

Detailed scope of Part-B

Sr.	Description
A	BFP (6 No.) = MDBFP (2 No.) + TDBFP (4 No.); BFP booster pumps (6 No.)
A1-2	Replacement of Mech. Seals (DE/NDE) of BFP Main Pump/ BFP Booster Pump Disconnect piping, removal of bearing housing and thrust collar decoupling, checking of shaft lift at bearings. Removal of Mech. Seals, cleaning & replacement of worn out parts, re-fixing of Mech. Seal in position, installing bearing housing with proper shaft lift, rebuilding piping and box-up.
A3	Decoupling / Coupling / Replacement of couplings along with alignment of BFP Booster Pump and motor Decoupling; removal of old coupling, fitting of new coupling, check and correct alignment as per specification, removal & installation of hubs required. Make clearances in rear bolts. Blue matching and fitting axial keys, drilling of hole and reaming if necessary for re-dowelling.
A4	DE / NDE bearing inspection for BFP/BFP booster pump/ TDBFP Turbine/MDBFP motor Removal of all connecting piping, opening of bearing cover/ pedestal cover, removal of both half of bearing inspection, repair/replacement of bearings / housing and internals, centering of shaft if required proper box up.
A5	Servicing/overhauling of Hydraulic coupling along with alignment of MDBFP with motor and pump. Decouple, check run out of the pump half coupling DBCF, alignment and correct as per standard values. Alignment to be within +/- 0.5mm. Provide properly cut, clean and minimum no. of shows. Lifting of pump from tight to loose condition should be less than 0.15mm (TIR). After alignment uniform clearance of 0.08 to 0.1 mm to be made between holdings down bolts washer and pump heat. Axial keys to be blue matched and properly fitted. Coupling, box up and trail run.
A6	Attending of parting plane leakage of BFP booster pumps Decoupling, removal of piping connection lifting top cover, Removal of rotating assembly, cleaning of water jackets by acid and water / air blowing, repair of parting plane, Casing defect and blue matching of parting plane. Cleaning of Mech. Seal parts after cleaning (if required) and assembly back. Alignment checking and correction, Coupling and trial run.
A7	Replacement of Cartridge of BFP Decoupling, providing attachment for cartridge removal after disconnecting all piping, cleaning of all mating surfaces, removal of cartridge, threading in new cartridge, tightening the discharge bolt sequentially as per design value of torque. Checking of running float and 'C' valve adjustment as per requirement, providing suction O-ring, rebuilding of all removed piping, checking / correction of alignment. Coupling run out and DBCF as per standard values. Box up and trial run. Shifting of removed cartridge and attachment to suitable storage places.
A8	Decoupling / coupling / replacement of Coupling & alignment of MDBF Pump with HC / HC with motor/ TDBF Pump with turbine. Decoupling, check and assist on correction alignment as per specification, removal & installation of hubs required. Make clearances in rear bolts. Blue matching and fitting axial keys, drilling of hole and reaming if necessary for re-dowelling. However, Supervisory services, if required will be arranged by HPGCL.
A9	Decoupling / coupling the TDBFP barring gear with its motor Decoupling of barring gear from its motor, lifting of the motor, checking /replacement of barring gear internals, assembly of the barring gear and placement of the motor, coupling & commissioning of the barring gear.
A10	Overhauling of BFP booster pump
B	CEP's (6 Nos.)
B1	Decoupling/ Coupling of motor Decoupling of pump from its motor, placement of the motor, alignment of pump with motor, coupling & commissioning of the pump.
B2	Checking / replacement of CEP Thrust bearing including lifting & placement of CEP motor Decoupling of CEP from its motor, lifting of the motor. Dismantling of CEP Thrust bearing, checking /replacement of thrust bearing internals, assembly of the thrust bearings and placement of the CEP motor, coupling & commissioning of the CEP.
B3	Replacement of Cartridge of CEP Decoupling of CEP from its motor lifting of motor disconnection / connection of water pipe, dismantling / checking of CEP thrust bearing internals, removal of the cartridge assembly from canister placing cartridge assembly, box up of the thrust bearing, placement of motor, alignment, couplings & commissioning of the pump
B4	Overhauling of CEP pump
B5	Replacement of couplings of CEP pumps Decoupling of pump from its motor, Removal of coupling of motor / pump if required, remounting of coupling of motor or pump, placement of the motor, alignment of pump with motor, coupling & commissioning of the pump.
C	CW Pumps (8 Nos.)

C1	Decoupling /Coupling of motor of CW Pump Decoupling of pump from its motor, placement of the motor, alignment of pump with motor, coupling & commissioning of the pump.
C2	Checking / replacement of thrust bearing including lifting / placement of the motor of CW Pump Decoupling of pump from its motor, lifting of the motor. Dismantling of Thrust bearing, checking /replacement of thrust bearing internals, assembly of the thrust bearings and placement of the motor, coupling & commissioning of the pump.
C3	Overhauling of Pump of CW Pump Decoupling of pump from its motor lifting of motor disconnection / connection of water pipe, dismantling of thrust bearing internals, removal of the pump bowl assembly from sump, dismantling of the bowl assembly, checking/replacement of spider bearings, shaft sleeves, impeller etc. refitting of bowl assembly, lowering down the bowl assembly in to sump pit, box up of the thrust bearing, connection of water pipes, placement of motor, alignment, couplings & commissioning of the pump.
C4	Replacement of couplings of CW pumps Decoupling of pump from its motor, Removal of coupling of motor or pump if required, remounting of coupling of motor or pump, placement of the motor, alignment of pump with motor, coupling & commissioning of the pump.
D	ACW Pumps (6 No.) / Raw water Pumps (4 no.)
D1	Decoupling /Coupling of motor of ACW Pump/Raw water Pumps. Decoupling of pump from its motor, placement of the motor, alignment of pump with motor, coupling & commissioning of the pump.
D2	Checking / replacement of thrust bearing including lifting / placement of the motor of ACW Pump/Raw water Pumps. Decoupling of pump from its motor, lifting of the motor. Dismantling of Thrust bearing, checking /replacement of thrust bearing internals, assembly of the thrust bearings and placement of the motor, coupling & commissioning of the pump.
D3	Overhauling of Pump of ACW Pump/Raw water Pumps. Decoupling of pump from its motor lifting of motor disconnection / connection of water pipe, dismantling of thrust bearing internals, removal of the pump bowl assembly from sump, dismantling of the bowl assembly, checking/replacement of spider bearings, shaft sleeves, impeller etc., refitting of bowl assembly, lowering down the bowl assembly in to sump pit, box up of the thrust bearing, connection of water pipes, placement of motor, alignment, couplings & commissioning of the pump.
D4	Replacement of couplings ACW pumps/ Raw Water Pumps. Decoupling of pump from its motor, Removal of coupling of motor or pump if required, remounting of coupling of motor or pump, placement of the motor, alignment of pump with motor, coupling & commissioning of the pump.
E	TG DMCCW Pumps (4Nos.), SG DMCCW pumps (4Nos.), Emergency Cooling Pump of BCP (2 Nos.) and CPU pumps (2 Nos.)
E1	Replacement of coupling of Pump/Motor Decoupling of pump from its motor, removal of old coupling and install of new coupling, alignment of pump with motor, coupling & commissioning of the pump.
E2	CHECKING OF BEARINGS Decoupling of the pump, removal of the coupling. Checking / replacement of the bearings, alignment of the bearings, alignment of the pump with motor coupling & commissioning of pump.
E3	Overhauling OF PUMPS Decoupling of the pump, removal of the coupling, checking /replacement of bearings, dismantlement of the pump, replacement / removal of the sleeves & glands, replacement of wear ring & impellers, if required. Checking / replacement of bowl assembly internals, replacement of gasket with proper cleaning, matching of pump casing, box up of the pump, alignment coupling & commissioning of the pump.
E4	Replacement of mechanical seal Removal of damaged mechanical seal, cleaning & installing new mechanical seal.
F	Boiler Fill Pump (2no.)/DM Transfer Pump (3no.)/Colony Potable Water Pump (2 no.)/Service Water Pump (2 no.)/Phosphate Dosing Pump (2 No.)/CT make up Pumps (3no.)/APH / ESP Wash Pump (2no.)/Hot well make-up pump (4 no.)/Ammonia dosing pump -(2no.)
F1	Overhauling of Pump Decoupling of the pump, removal of the coupling, checking / replacement of bearings. dismantlement of the pump, replacement / removal of the sleeves & glands, replacement of wear ring & impellers if required, checking / replacement of bowl assembly internals, replacement of gasket with proper cleaning, matching of pump casing, Box up of the pump, alignment coupling & commissioning of the pump.
F2	Checking / replacement of bearing Decoupling of the pump, removal of the coupling. Checking / replacement of the bearings, alignment of the bearings, alignment of the pump with motor coupling & commissioning of pump.
F3	Replacement of mechanical seal (DE/NDE): - Removal of damaged mechanical seal, cleaning & installing new mechanical seal.

F4	Replacement of pump
G	Hydrogen blower (2 no.)
G1	Servicing of hydrogen blower Decoupling of blower, Dismantling, Checking/replacement of blower, Cleaning of parts, Fitting of bearings, assembly of blower, Coupling and commissioning
H	Turbine Bearing Oil Pumps AC (2 no.)/Emergency oil pumps DC (2 no.)
H1	Replacement of pump Decouple the motor, take out old pump from MOT, inspect/ check thoroughly, replace the BOP/EOP with new one, do minor rectification if required, place the motor, couple the motor along with alignment
I	Pump of JOPs (4 no.), HP Seal Oil Pumps (2 no.), Seal Oil Pumps AC (6 no.)/Seal Oil Pumps DC (2 no.) / TDBFPs bearing oil pump (12 no. =8 no. AC and 4 no. DC).
I1	Servicing of Complete Pump: Decoupling of pump, replacement or servicing of pump assembly, alignment and coupling, commissioning of pump.
I2	Replacement of mechanical seal Removal of damaged mechanical seal, cleaning & installing new mechanical seal.
J	EH oil Pump (4 no.) and EH cycle pump (2 no.), HP Bypass Pumps (4no.) and LP Bypass pumps (4no.)
J1	Replacement of Complete Pump:- Decoupling of pump, replacement of pump assembly, alignment and coupling, commissioning of pump.
J2	Servicing of pump
K	Stator water pumps (4No.)
K1	Replacement of pump
K2	Replacement of Mech. Seals Decoupling of pump from motor, removal of coupling hub from shafts, opening bearing cover motor side, checking & replacement of oil seal motor side, reassembly & commissioning of pump.
K3	Servicing of Pump Decoupling of pump from its motor, lifting of the motor dismantlement of the pump, checking / replacement of the bearings, removal / replacement of sleeves, removal/ replacement of mechanical Seal, checking / replacement of impeller, checking/ replacement of oil seal pump side and internals, Box up of the pump, alignment & coupling and commissioning of the pump.
L	Condenser tube cleaning pumps (4 no.), Sump Pump, Lube Oil Transfer Pump (2 no.)
L1	Replacement of coupling of pump/motor Decoupling of pump from its motor, placement of the motor, alignment of pump with motor, coupling & commissioning of the pump.
L2	Overhauling of Pumps Decoupling of pump from its motor, lifting of the motor dismantlement of the pump, checking / replacement of the bearings, removal / replacement of sleeves, removal/ replacement of mechanical Seal, checking / replacement of impeller, checking/ replacement of oil seal pump side and internals, Box up of the pump, alignment & coupling and commissioning of the pump.
L3	Replacement of Mech. Seals Decoupling of pump from motor, removal of coupling hub from shafts, opening bearing cover motor side, checking & replacement of oil seal motor side, reassembly & commissioning of pump.
M	MOT (2 Nos.) , Dirty Oil Tank / Clean Oil tank (2Nos.), TDBFP Oil Tank (4 Nos.), Service water tank (2 Nos.), Potable water tank (2Nos.),Condensate Storage tank (2 Nos.), CCW expansion tank (2Nos.)
M1	Cleaning of MOT, COT, DOT and TDBFP Oil Tank Emptying of oil tank, Opening of manhole, lifting of throat filter, cleaning of throat filter, cleaning of MOT/Dirty Oil Tank / clean oil tank filling of oil to required level, placement of throat filter & closing of manhole.
M2	Cleaning of Water tank i.e. Service water tank/Potable water tank/Condensate Storage tank/ CCW expansion tank Empty the tank , open the manhole, proper cleaning of tank, closing of manhole
N	MOT Centrifuge (3 no.)/TDBFP centrifuge (2 no.)
N1	Servicing of bowl assembly including worm wheel and worm shaft Closing the inlet/outlet pipes of the centrifuge, dismantling the bowl assembly along with worm wheel and worm gear, inspection of the internal parts, cleaning of the bowl assembly and other parts, fixing the bowl assembly along with worm wheel and worm gear, commissioning of the centrifuge.
N2	Replacement of Oil Seals/servicing of the pump Closing the inlet/outlet pipes of the centrifuge, decoupling of the pump with motor, dismantling of the pump internals, checking of the internal, replacement of the damaged parts, boxing up the pump, coupling of the pump with motor, commissioning of the centrifuge.
N3	Servicing/ Replacement of Coupling bush and shoe pad of Suction booster pump/gear pump Decoupling of pump from its motor, replacement of the coupling bush/shoe pads, alignment of pump with motor, coupling & commissioning of the pump.

N4	Repair / servicing of Tanks heater Dismantling the heater tank assembly, checking the tank heater, repairing of the damaged parts, boxing up the heater tank assembly.
O	Replacement of N2 Bladder in HP bypass (6 no.)/ LP bypass (6 no.)/TDBFP Lube oil System (4 no.)/ EH Fluid System (15 no.)
O1	Replacement of N2 bladder and associated works.
P	Condenser vacuum pump (4 No.)
P1	Inter stage check valve inspection / repair/replacement Draining & dismantling the O/L pipe to separator tank &cooling pipe, second stage impeller, removal of inter stage NRV. Inspection &replacement and repair as per requirement. Refitting all the piping connection, boxing –up & commissioning.
P2	Overhauling / Replacement of Re-circulation pump Decoupling of pump, dismantling of inlet/outlet piping connection, replacement of pump, making piping connections, coupling, checking & correcting alignment, commissioning.
P3	Replacement of suction valve / NRV Removal of NRV after dismantling necessary connection, Replacement of NRV (if required) boxing-up, commissioning.
P4	Overhauling of vacuum pump Decoupling of the pump from Gear box/motor, dismantling of the complete pump, Replacement of any internal parts, if required, Assembly of the complete pump with proper clearances, Alignment of coupling with gear box/motor.
P5	Replacement of Gear Box Decoupling of gear box with motor/pump, replacement of gear box, alignment, coupling and commissioning.
P6	Replacement of coupling of Motor/ Pump Decoupling of motor from gear box, remove old one, install new coupling and correcting alignment.
P7	Replacement of Vacuum Pump Decoupling, dismantling of all inlet and outlet piping connection replacement of pump making all piping connection, coupling checking and correcting alignment and final commissioning.
Q	EOT Crane 130T / 25T (2 nos.)/ Misc. Hoist & Cranes at TG site.
Q1	Replacement of coupling in MH/AH/LT/CT Drives of EOT Crane /Misc. Hoist and Cranes at TG site. Decoupling; removal of old coupling, fitting of new coupling, check and correct alignment as per specification. Blue matching and fitting axial keys, drilling of hole if required and reaming if necessary for re-dowelling.
Q2	Bearing replacement of the hooks/brakes of Main Hoist/Aux. Hoist of EOT Crane /Misc. Hoist/Cranes at TG site. Dismantling the bearing housing, removing of old bearing, cleaning of the parts, fitting of the new bearing, assembly of the bearing housing, commissioning of the crane.
Q3	Replacement of wheel bearing cross travel Dismantling the bearing housing, removing of old bearing, cleaning of the parts, fitting of the new bearing, assembly of the bearing housing, commissioning of the crane.
Q4	Replacement of Long Travel Wheel Bearings Dismantling the bearing housing, removing of old bearing, cleaning of the parts, fitting of the new bearing, assembly of the bearing housing, commissioning of the crane.
Q5	Replacement of oil seal of main gear boxes in EOT Cranes Dismantling the oil seal assembly, removing of old seals, cleaning of the parts, fitting of the new seal, final assembly and commissioning of the crane.
Q6	Replacement of micro gear box in EOT Crane Decoupling & removal of micro gear box, coupling of new gear box and commissioning.
Q7	Overhauling of micro gear box Decoupling of micro gear box, checking/replacement of bearings, checking and replacement of gears and internals, assembly of gear box, coupling and commissioning
Q8	Replacement of gear in main gearbox of MH,AH,LT,CT of EOT crane Decoupling of gearbox, replacement of gears, assembly of gearbox, coupling and commissioning
Q9	Replacement of wire rope of MA/AH of EOT crane Removal of old/broken rope and mounting the new rope on rope drum of EOT Crane
R	Welding work of valves, Pipes, bends / tees etc. NOTE: - Contractor will arrange the high pressure welder as and when required immediately to carry out the work.
R1-3	Welding of CS valves, pipes, bends / tees etc. of Dia. more than 4 inches Cutting of old damaged CS/MS/CI/Alloy steel pipes / bends / tees / valves etc. & replacing the same by laying, grinding / matching / aligning / welding for plugging the steam / water leakages. Preheating of the joints will be done & the welding will be done with chromotherme-2 electrodes or equivalent of the standard make in case of Alloy steel.

R4	MS Steel structure Cutting of old damaged structure (if available) and & prepare a new structure by cutting, fitting, grinding & welding the pipes or angles.
R5-6	Modification /Re-routing of Pipe Cutting of old Mild steel/Alloy steel pies /bends/tees/valves etc. and re-routing the line as per side requirements by grinding/matching/aligning/welding.
R7	Attending leakage by welding of High Pressure Joints including replacement of high pressure tube/pipe /valve / bends by cutting, welding, grinding and fit-up work for each joint.
S	Vapour Fans for MOT (4 Nos.) / Seal Oil (4 Nos.) / GSC (4 Nos.)/ TDBFP oil tank (4 Nos.)
S1	Servicing/replacement of Vapour Exhaust Fans Servicing / Inspection of exhaust Fans. Removal of suction piping, fan cover, and taking out of impeller, inspection of fan components replacement of various components of fan fixing of impeller, alignment and Box up.
T1	Valves (Manual Isolating/Motorized/Pneumatic) and Non-return valves.
T1-4	Overhauling of valves/NRVs Removal of actuators electrical / pneumatic; Dismantlement of valves, after removing of gland sealing lines & replacing back wherever required; Checking lapping & blue matching of valve seat / wedge / disc. & to make the valve free from any passing; Repair of gland bush & spindle if required; Minor repairs of the seat / wedge / disc etc. However, major repair will be got done by HPGCL; Box up of the valve & placing of actuators; Greasing / oiling of the valve spindle for proper opening.
T5-6	Replacement of self-sealing rings in valves Removal of the old damaged self-sealing ring & replacement of the same with new self-sealing ring with proper tightening.
T7	Safety Valves Dismantlement of safety valve, Lapping /honing to be carried out if required, Setting of spring with in specified range, Testing of safety valve by N2 gas at rated pressure and setting of spring., Fitment of safety valve
T8-9	Complete replacement of actuator on valves Removal of electrical actuator from the valve & fixing of another actuator in the valve.
T10	Overhauling of Electrical actuator: Removal of electrical actuator from the valve, dismantle the spares, cleaning of spares, provide grease/oil reassemble the spares.
T11	Overhauling of HPBP Valve:- Disconnection of the valve from hydraulic actuator, removal of the internal of valve replacing / servicing of the damaged parts & box up of the valve and connection of the same with actuator.
T12	Overhauling of LPBP Valve:- Disconnection of the valve from hydraulic actuator, removal of the internal of valve replacing / servicing of the damaged parts & box up of the valve and connection of the same with actuator.
T13-14	Complete replacement of valve/NRVs Removal of electrical actuator (if any) from the valve, removal of the complete valve & fixing of another valve, fixing of actuator, commissioning of valve.
T15-16	Overhauling and replacement of gearbox installed on valve.
U1-7	Flanges, Diaphragm of LP Turbine (8 Nos.), Diaphragm of TDBFP Turbine (4 Nos.). Opening of flanges; Removal of the gaskets; The cleaning / repair of the surface of the flanges; Placing of the gasket / centring; Boxing up of the flange joint with uniform tightening.
V	LP Heaters (8 no.)/ HP Heaters (6no.), GSC (2 no.), Deaerator (2 no.), Condenser Hot well (2 no.)
V1	TUBE LEAKAGE FROM HP HEATERS (HORIZONTAL) Removal / opening of the waterside flange / manhole & inside main plates /Covers of the H.P Heater; Air leak test of H.P. heater for ascertaining the leaking tubes; Plugging of leaking tubes & plugs will be provided by HPGCL; Replacement of the gaskets in above covers / flanges; Box up of the main covers flanges / main holes etc.
V2	Tube Leakages of L.P. Heaters (Horizontal) Removal of side cover flanges of the L.P. heaters; Checking of leaking tube by air pressurization / filling of water in L.P. heater; Drip side & the dummying of the flanges etc. required for filling the water; Plugging of leaking tubes if any & plugs will be provided by HPGCL; Cleaning of the surface of the flanges and replacement of the gaskets in the side covers / flanges & other connected flanges if required.
V3	Tube leakage of GSC. Removal / opening of side flanges of GSC; Cleaning of the surface of flanges; Plugging of leaking tube if any. Plugs will be provided by HPGCL. The dummying of various flange; required for checking of tube leakage will be provided by HPGCL; Replacement of gaskets in flanges of GSC
V4	Inspection/Cleaning of Deaerator/FST and minor repair:- Opening of manhole. Cleaning of Deaerator /FST, replacement of gasket and closing of manholes.

V5	Inspection/Cleaning of condenser hot well:- Opening of manholes. Cleaning of condenser hot well, replacement of gasket and closing of manholes.
W	Condenser (2 no.) Tubes, Manholes & Water Box.
W1	Check/Attend the Tube Leakage Opening of manholes of front/rear side water boxes. Fixing of transparent tube for detection of water level up to tube nest level. Checking of the leaking tubes & plugging of leaking tube including temporary platform for plugging of tubes, closing of the manholes of the front / rear side water boxes.
W2	Manhole leakage attend: Opening of the manholes cleaning / repair of the surface replacement of gasket, box up of the manhole by uniform tightening of the bolts.
W3	Inspection and cleaning of water box of Condenser Opening of manholes of Front /Rear side water box of condenser, Checking of water box, Cleaning of water box through air only not by bullet cleaning, Replacement of old gasket through new one, Closing of manholes after flood test.
X	PHE with number of plates less than 300 (8 Nos.) / PHE with number of plates more than 300 (8 Nos.) / Seal Oil Coolers (8 Nos.) / BFP Coolers (14 Nos.) & Stator Water Coolers (4 No.) / Auto Clean Filter (4 Nos.)/ Vacuum pump cooler's (4Nos.).
X1-2	Cleaning of PHE's Dismantlement of PHES; Cleaning of plates with Teflon brush; Replacement of gaskets / plates if required; Box up of PHE'S.
X3-5	Cleaning of Seal oil, stator water and vacuum pump coolers Removal of top / side covers of cooler along with other flanges if required.; Lifting of cooler if required; Cleaning the cooler tubes with wire brush; Replacement of the gasket / 'O' ring; Hydraulic / air testing and plugging of leaking tubes if any. Plugs will be provided by HPGCL; Box up of the cooler & other above flanges.
X6-7	Cleaning of MDBFP lube oil and working oil coolers Removal of top / side covers of cooler along with other flanges if required; Cleaning the cooler tubes with wire brush; Replacement of the gasket /'O' ring; Hydraulic / Air Testing and plugging of leaking tubes if any. Plugs will be provided by HPGCL; Box up of the cooler & other above flanges.
X8	Cleaning of Auto Clean Filter
X9	Removal of overhead cooler from MDBFP motor, conducting hydraulic testing of cooler, fixing / plugging the punctured tubes, if any, cleaning and reinstallation of coolers.
Y	Suction Strainers of CEP's (6 no.) / BFP/ BFP Booster pump (12 no.)
Y1	Cleaning of Suction Strainers Removal of top cover of the strainer; Cleaning of the strainer with air/ water etc.; Hydraulic/air testing and replacement of gasket /O- ring after cleaning of the top cover, Box up of the strainers.
Z1-3	Replacement of rubber expansion joint Remove the old/ damaged expansion joint, clean the area, fix new expansion joint
AA1	Inspection of COLTC ball collection system internals including minor repair works.
AB	Instrument air compressors (4 no.)/Service Air Compressors (3 no.)
AB1	Replacement of Coupling of the Motor / Pump
AB2	Level-B Servicing of compressor Check cooler function (approach temp.), Change inter cooler condensate check valve, Check for air, water and oil leakage, Check operation of safety valves, Change compressors oil filter (8000hrs or annually), Inspect/change air filter element, Replace filter element of gear case breather, Check cycle of air intake throttle valve, Replace diaphragm of air throttle valve, Replace bearing block(air intake valve), Check function of check valve (8000hrs or annually), Check condition of balance piston diaphragm, Check/service condensate drains, Clean fan cowl of electric motor, Check rubber inserts of drain coupling.
AB3	Level-C Complete servicing of compressor Check cooler function (approach temp.), Change inter cooler condensate check valve, Service inter cooler blow down valve, Check for air, water and oil leakage, Check for presence of water in lube oil, Change Roto –Z oil (16000hrs or 2-years), Change compressors oil filter (8000hrs or annually), Inspect/change air filter element, Replace filter element of gear case breather, Check cycle of air intake throttle valve, Replace diaphragm of air throttle valve, Replace bearing block(air intake valve), Overhaul air intake valve, Change balance piston diaphragm, Check function of check valve (8000hrs or annually), Check/service condensate drains, Replace insert of drive coupling.
AB4	Replacement of HP Element of compressors Replace with new one.
AB5	Replacement of LP Element of compressors Replace with new one.
AB6	Level-D Servicing of Instrument air compressors/Service Air Compressors Servicing of the compressor(Atlas Copco make) as per the OEM's manual(activities as per manual)
AB7	Inter-cooler and after cooler cleaning of Instrument air compressors/Service Air Compressors Dismantling of coolers, removal of scaling from the tube bundles and putting back the coolers in the

	compressors
AC1	Inspection/Cleaning of CPU resin trap filter including opening and closing of filter
AD	Hydrogen drier (4no.)
AD1	Servicing, refilling/charging of refrigerant gas(R134a) in hydrogen drier and Commissioning
AE	Air Drier
AE1	Servicing, refilling/charging of refrigerant gas (R404a) in air drier and Commissioning
AE2	Replacement of compressor of air drier with new one and commissioning
AE3	Cleaning of Heat exchangers of Air Dryers.
AF1	Painting work of pipe line, tanks, enclosures and other equipment having area more than 10 sq. M at a single stretch.
AG1	Removal of damaged/broken bolt or stud from foundation hole of CW discharge valve, Pumps, flanges etc. except main turbine. The work including cleaning, drilling using magnetic portable drilling machine and re-tapping to make the hole serviceable.

Annexure- VI

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 07 days of receipt of work order. (Specimen copy is attached)

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. SECURITY DEPOSIT

Every tenderer, while submitting his tender, should deposit online aforementioned amount as the earnest money.

The earnest money furnished by the successful tenderer on whom the work order is placed shall be converted into security deposits as a guarantee for faithful and satisfactory execution of the work order. (The EMD of the unqualified bidders will be returned without any interest, as promptly as possible, as per procedure of https://etenders.hry.nic.in portal).

The security deposit shall be 10% of the contract value. The deduction of the security deposit shall be as under: 10 % amount of the monthly running bill shall be kept as security deposit. However the EMD already deposited by the bidder shall be converted into the security deposit and the balance amount shall be deducted from the running bills.

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 day of Guarantee/Warranty period on the certificate of Engineer In-charge for successful completion of Guarantee/Warranty period and submission of all requisite documents like last EPF/ESI return by the contractor.

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 certificate of engineer in charge / EIC for successful completion of guarantee/warranty period and submission of requisite documents like last EPF / ESI return by 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 contractor refuses to comply with the W.O. 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 HPCGL 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 payment 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

100% payment after deducting 10% security deposit and statutory deductions, of the monthly running bill shall be made after satisfactory completion of work done.

5. MODE OF PAYMENT

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

6. COMPLETION PERIOD

The completion period of the work as specified below shall be the essence of the contract.

For Part-A of AMC	The work shall be started within 7 days of LOI/ work order whichever is earlier unless otherwise directed by the issuer of tender. But the contractor should be able to mobilize his resources within 24 hours, if necessity arises. The work shall be carried out and completed on month to month basis as per the requirement of the contract.

For Part-B of AMC	The completion period Part –B activities shall be decided by EIC as per requirement and prevailing conditions

Payment shall not be made for the work not done. In case of increase of quantum of the work, the completion period of the contract will not change and 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 fulfil 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 recovery any further amount or any liquidated and/or other damages.

8. PENALITY FOR DELAY OR UNSATISFACTORY WORK

Time is the essence of the contract. The contractor shall ensure timely completion of the job as per stipulated completion period.

Sr. No.	**Activity No.**	**Penalty**
I.	All activities	If the quality of work is not up to the satisfaction of Engineer-in-Charge or the work delayed then a penalty will be imposed @ 1% of the monthly contract value (Part A+B) each fault, subject to maximum of 10% of the contract value (Part A+B). In case, if, work is not satisfactory then contractor has to complete the work again without any extra payment till entire satisfaction of EIC.
II.	For activity '**R7**' only	In case certified IBR welder for doing the above work does not reach TG site at RGTPP within 4 Hrs. of verbal/written/SMS instructions by EIC (i.e. AEE/AE Concerned) or higher authority then penalty of Rs. 1,000/- per hour shall be imposed on the contractor which will be in addition to penalty clauses mentioned at Sr. No I for '**All activities**' as applicable.
III.	For activity '**AG1**' only	In case the above magnetic portable drilling machine along with specialized drill machine operator/manpower does not reach RGPP within 24 hours of verbal/written/SMS instructions issued by the EIC (i.e., concerned AEE/AE) or higher authority, and consequently the work could not be commenced, a penalty of R10,000/- per day shall be imposed on the contractor which will be in addition to penalty clauses mentioned at Sr. No I for '**All activities**' as applicable.
IV.		**Note: The total cumulative penalty shall not exceed 10% of the contract value.**

In case, HPGCL is unable to supply the spares in time to the contractor after opening of any equipment and the contractor is unable to complete the job in absence of these spares, then the contractor will be allowed the extension in scheduled time for completion of that delayed activity for the period for which contractor has not been provided the spares. This extension will be granted with the approval of concerned SE / O&M, RGTPP, HPGCL, Khedar, Hisar. In case any spares of the equipment under outage are to be repaired & machined in the HPGCL / Private workshop and the job gets delayed, the extension in completion time will also be considered accordingly with the approval of concerned SE/O&M., RGTPP, HPGCL, Khedar, Hisar. However, 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 executive in charge along with the followings:
   a. Monthly bill for the AMC/ACR 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 No., GSTIN, HSN Code and PAN. A photo copy of the EPF code ESI code, GST No., GSTIN, Labour License, PAN shall be attached with 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/document mentioned at (iii) and (iv) below.

iii) Certificate from the Engineer in change 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 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) Certificated from Labour welfare officer/factory manager stating that contractor has complied with all labour laws and safety clearance certificate from safety officer. In case of non-availability of Labor 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. PERFORMANCE BANK GUARANTEE-

Unless agreed otherwise, Contractor shall submit bank guarantee of the nationalized bank equivalent to 10% of the contract value in the prescribed Performa valid up to one month after completion of warrantee period.

11. WARRANTY

i) The contractor shall provide warranty for the workmanship of the work done for period **12 months** from the date of completion of work /**18 month** from the date commissioning of equipment(s) after overhauling whichever is earlier.
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 without any additional charge 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 of the risk and the contractor.

12. FORCE MAJEURE

The delay in the completion of the work may be treated as force majeure to the contractor only if:
i) 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-out, freight embargoes, war risk riots and civil commotion. And
ii) The contractor 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

a. No idle labor 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 the 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.

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 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, GST etc. including surcharge shall be made at source from the bills of the contractor at the prevailing rates (if applicable).

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 the entre 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 and documentary evidence thereof shall be submitted along with the running bills.
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 or Factory Manager/RGTPP.

Sr. No.	Particulars	Name of Acts
i.	Clause 20: Penalty for offences under the Act	The Payment of Wages Act-1936

ii.	Clause 31: Time for payment of contribution	The Employees' State Insurance (General) Regulations-1950 (amended on 11.01.2024)
iii.	Clause 14: Penalties	The Employees' Provident Funds and Miscellaneous Provisions Act, 1 952
iv.	Chapter VI: Penalties and Procedures	Contract Labour (Regulation & Abolition) Act, 1970 & Rules 1971
v.	Chapter VII: Penalties	The Employee State lnsurance Act, 1950

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 may 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 equipment 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 is 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 handing or negligence on the part of the contract.

21. ARBITRATION

All 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 of both the supplier and the corporation under that 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 arbitration of MD, HPGCL or an officer appointed by the MD, HPGCL as his nominee. The award of the arbitrator shall be final and binding on both 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 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: The courts of the place from where the acceptance of tender has been issued shall alone have exclusive jurisdiction to decide any dispute arising out of or in respect of the contract.

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 by the supplier with the HPGCL.

24. 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 purchaser.

25. PERIOD OF CONTRACT:

The period of contract shall be for **02 years** from the date of commencement of work. The period of contract may be extended further for three months at the same rates & terms and conditions at the discretion of HPGCL.

26. DEPLOYMENT OF MANPOWER:

The contractor shall be responsible to deploy adequate staff for carrying out the routine and breakdown maintenance of the equipments and other activities as envisaged in the scope of work. The manpower requirement to carry out the

routine/specified jobs as per scope of works shall be for round the clock I.e.24x7. Manpower required consist supervisor, fitters, technician, helpers, welder, fitter, electrician, rigger, crane operator etc.
The leave reserve for the above staff if required will be arranged by the contractor. Additional manpower, if required to be mobilized during overhauling of any unit or otherwise, the contractor will ensure adequacy of manpower so that works can be completed well in time.

27. Normally a confirmed indent for Part-B activities 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.

28. 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.

29. TRANSPORTATION OF MATERIAL

i. The contractor shall make his own arrangement for transportation of the material from O&M stores to site of work, from site of work to O&M workshop, if required and return of scrap back to stores. The contractor shall also assist in loading / unloading of material being sent for repairs or received after repair to / from outside of RGTPP.
ii. The contractor shall make his own arrangement for removal of old as well as unused material from the site to the place as specified by the Engineer-in-Charge after completion of work.

30. PRESERVATION & STORAGE OF MATERIAL

All the material issued to the contractor by the HPGCL or brought by the contractor for its bonafied use shall be stored and preserved against any loss, damage, shrinkages or deterioration in any form. Any damage / loss suffered on this account shall be considered as loss due to willful negligence on part of the contractor and shall be liable to compensate. HPGCL for these losses suffered at penal rates to be determined by the HPGCL. The rates charged for the purpose of recovery shall be final and binding on the contractor.
The dismantled/new spares, kept at site for emergency use should be properly stacked, cleaned and covered properly in safe custody.

31. ELECTRICITY / SPACE / AIR / WATER

Electricity/ Air / Water will be provided free of cost at one point per unit as per requirement of job. HPGCL may provide suitable space for site store / temporary workshop free of cost to the contractor. However the site office will be constructed, maintained and well painted by the contractor so that it give a good look. The electricity for site store / office will be provided by HPGCL free of cost. The contractor will use electricity / air / water judiciously.

32. ACCOMMODATION.

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

33. SUPERVISION OF WORK

The Engineer-in-Charge shall have the general supervision of the work. The work shall have to be started by the contractor as per the instruction of Engineer-in-Charge or his authorized representative at any time on working day, on holiday or after office hours. The time allowed for a work maintained in the indent will be addition of time of all the jobs / activities as per contract. The Engineer-in-Charge may reduce the total cumulative time of various activities, keeping in view of emergency to bring back the equipment in time. The total time allowed by the Engineer-in-Charge will be final & binding on the contractor. He has the authority to stop the work whenever such stoppage is necessary to ensure the proper execution of the contract. He shall also have authority to reject all works or part thereof and give necessary direction to carry out work again to his satisfaction. No claim whatsoever on this account will be entertained. The work shall be subjected to the inspection by Engineer-in-Charge all the time.

i) The decision of Engineer-in-Charge shall be final with regards to all matters relating to this contract.
ii) The decision of Engineer-in-Charge for determining the category of the work with reference to the items not mentioned in scope of work shall be final.
iii) The execution of work may entail working at all the sites and weather conditions and no extra claim will be considered on this account. The contractor may have to carry out jobs and work round the clock, as per the requirement to be decided by Engineer-in-Charge. No extra claim / over time will be paid on this account.
iv) In case the contractor fails to do the extra / substituted work, Engineer-in-Charge will have the option to get the work done through any other agency at the risk & cost of the contractor.

34. TELEPHONE NUMBER

The contractor shall provide the phone facility to his supervisor to facilitate HPGCL for easy communication with the contractor. The phone Number shall be intimated by the contractor immediately after the award of the contract. The contact number of the supervisor must be available 24X7.

35. AUTHORIZED REPERSENTATIVE

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.

36. 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.

Note:-

I. Unless agreed otherwise the above terms and conditions of the contract will form the part of the purchase order after finalizing the procurement proposal. The word tenderer where ever used above shall be read as supplier. Above T&C are equally applicable in case of limited / proprietary / enquiry as well. The non-applicability / modification in the aforesaid clauses if agreed shall be mentioned / attached in / with purchase order specifically.
II. Purchasing authority shall put dated initials on each pages of the purchase order including the above terms and conditions printed on both side of the paper.
III. Any other term not defined in instructions to the bidder or above terms and conditions should be interpreted as defined in HPGCL purchase regulation 2011.
IV. The term "Bid" and tender and their derivatives ("Bidder"/ Tenderer" "Bidding / Tendering") are synonymous. Singular also means plural.

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

Annexure-VII

Technical Terms and Conditions

1. **Consumables in scope of contractor**:
   1.1. Consumables like cloth/cotton waste, emery paper, oxygen and DA cylinders, rustoline, ethanol, Hexa-blades, grinding wheel, DPT kit, adhesive, jointing compound (e.g stag-B), anti-seize compound (e.g. Molykote) etc. required for handling & maintenance jobs will be arranged / provided by the firm.
   1.2. In case contractor fails to bring sufficient consumables at site without which HPGCL work is suffering, in that case HPGCL can procure the same from the market and recover the cost from the contractor's bill @1.5 times the purchase price of the item. However, all types of electrodes for MS/CS/SS/CI/alloy steel for repairs will be arranged by contractor himself.
2. **Tools and tackles in scope of contractor:**
   2.1. All tools and tackles like bearing pullers, coupling pullers, spanners, chain pulley block, hydraulic jack, portable grinding machine, hoisting arrangement, hand-operated bending machine and drilling machine, gasket cutter and scaffolding material etc. shall have to be arranged by the contractor. However available T&P like EOT Cranes etc. installed at site, will be available to the contractor free of charge and contractor will be responsible for upkeep of the electric hoist etc. However, if EOT hoist is not available due to any reason, the contractor shall make his own arrangement for completion of the work.
   2.2. Hoist and chain pulley blocks should be tested by competent authority and certificates shall be submitted during entry in the plant.
   2.3. welding set and welding leads, wire brush, welding torch, gloves, hand lamps, wires and holders for temporary lighting etc. at work place.
   2.4. Any temporary Platform / scaffolding etc. required to execute any work shall be in the scope of contractor.
3. **PPEs in scope of Contractor:**
   3.1. All personal protective equipment's for the safety of workers like goggles, safety shoes, ear plugs, safety helmet, safety belt etc. will be arranged by contractor for their workers.
4. **Items in scope of HPGCL**
   4.1. All spares, bolts, nuts, grease, lubricants, gaskets, seals, 'O' rings , electricity supply for welding set / lighting, water and air etc. as required for the job will be issued free of charge by HPGCL. The contractor will be responsible to use the same judiciously.
5. List of T&P items with gate pass should be submitted with first bill of the ARC.
6. 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.
7. In case spares are not available at site or in store and same are required to be removed from other equipments within RGTPP the contractor is bound to do same without any extra cost.
8. If the grating of platform / stairs, railings, etc. gets damaged while carrying out the repair work, same shall be rectified / repaired by the contractor without any extra charges.
9. Contractor will arrange all measuring instruments like micro-meters, Vernier-callipers, scales, dial gauge, hydraulic testing pumps for coolers etc.
10. 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.
11. The Supervisor / Foreman deputed by the contractor should have adequate knowledge to perform the work.
12. The contractor will ensure the presence of their representative i.e. supervisor / contractor himself at the time of cancellation of PTW / running of equipment after completion of work.

Annexure-VIII

CONTRACT AGREEMENT

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

STATEMENT OF BIDDERS

1. Name of Bidder _____
2. Address of Head Office _____
3. Correspondence Address _____
   _____
4. Legal status
5. PAN &GST Number of the Bidder (attached self-attested photocopies)
   PAN _____
   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 –X

Annexure-A

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 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 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-B

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

i. GST registration of GST no……. in name of m/s……..is valid as on date…….. ii. 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-C

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

i. I undertake to submit a CA certificate regarding validity of GST registration on every six months during the tenure of contract.
ii. I undertake to submit copies of GSTR I and GSTR 3B / challan 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.
iii. 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-D

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

i. Certified that we are registered as taxable person under GST Act, our GST no. is ---------- and which is active as on---------- .
ii. 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.
iii. 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.
iv. 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.
v. 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 -E

(To be printed on your letter head and to be signed with seal)

Declaration for not imposing highest TDS/TCS rate as per Section 206CCA/206AB of income Tax Act 1961

Sr. No.	Particular	Details
1.	Name of Supplier	
2.	PAN Number	
3.	Whether ITR filed within the time limit provided u/s 139(1) of Income Tax Act for two previous financial years	Yes | | No |
4.	If Yes, Kindly provide the detail along with self-certified copy of ITR/Acknowledgment of last two financial year.	F/Y ear | Acknowledgment No. | Date of Filing | | | | | |
5.	Declaration with respect to aggregate amount of Tax Deducted at Source (TDS) and Tax Collected at Source (TCS) in each of the above F/years	F/Y ear | Total Amount of TDS and TCS | Yes/No | Rs. 50000/- or More | Rs. 50000/- or More
6.	In case ITR not filed due to time limit prescribed under section 139(1) of income Tax act has not been expired	It is hereby declared /undertaken that we shall file the ITR within prescribed time limit and immediately after filing of ITR will submit the self-certified copy of Acknowledgement of ITR
7.	Contact Person	
	- Name	
	- Mobile No.	
	- E Mail Id	

I/we hereby certify that the declaration made above is true and correct. If there is any change in the above information, I/we would promptly intimate the same to RGTP, HPGCL. Further, I/we would also submit any document/information required/needed to support the above information, as and when required by RGTPP, HPGCL.

In the event that above declaration is found to be false/incorrect/misleading etc. due to which M/s RGTPP, HPGCL is held liable for any consequence under the Act, I/we would indemnify M/s RGTPP, HPGCL towards any loss/damage incurred in the regard.

Yours Sincerely

DOCUMENT CHECK LIST FORMAT
(To be filled online only)

Sr. No.	Technical Specification	Bidder Response (Yes or No)
1	Having HEWP Contractor I'd	**YES / NO**
2	Tender cost with e-service fees	**YES / NO**
3	Earnest Money Deposited	**YES / NO**
4	Acceptance of all terms & conditions of tender	**YES / NO**
5	The tender document of only those bidders shall be considered who fulfil the following eligibility criteria and submit documentary evidences in support of the same. The bidder should be the Original Equipment Manufacturer / Supplier (OEM/OES) or a registered vendor of HPGCL, as per vendor registration policy for the specific category of work/purchase. *OR* The bidder must have experience of having successfully executed Work Orders in HPGCL/NTPC/ any SEBS/ any corporation/ Central Govt. / State Govt. / Semi Govt. or in any Thermal / Hydel Plant of minimum capacity 110 MW or above, and have average annual turnover and other eligibility conditions as given below: The bidder must have successfully executed the work order(s) for the same or similar work(s) during last **7 years** ending last day of the month previous to the month in which applications are invited and having minimum work order value as under: Single order of the value not less than **Rs. 54.06 Lacs** (Fifty Four Lacs six Thousand) or Two work orders of value not less than of **Rs. 33.79 Lacs** each (Thirty Three Lacs Seventy Nine Thousand) or Three work orders of value not less than of **Rs. 27.03 Lacs** each (Twenty Seven Lacs Three Thousand)	**YES / NO**
6	The bidder must have average turnover in last three consecutive financial years ended prior to the Financial Year in which applications are invited not less than **Rs. 67.58 Lacs** (Sixty Seven Lacs Fifty Eight Thousand).	**YES / NO**
7	The bidder shall possess PAN No. GST Registration Number, EPF registration No. and ESI Registration Number.	**YES / NO**
8	The contractor should have registered under Contract Labour (Regulation & Abolition) Act, 1970 and possesses a valid labour license for deploying the workers on the work or will obtain the same within 15 days of issuance of work order	**YES / NO**
9	Firm 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 labour 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 regulation 36 & 37 of the HPGCL Works & Purchase Regulations. 2015."	**YES / NO**
10	The firm should submit a certificate that the firm is not blacklisted presently in any organization.	**YES / NO**
11	Annexure-IX (Statement of bidder filled or not)	**YES / NO**