



**BHARAT HEAVY ELECTRICALS LIMITED** भारत हैवी इलेक्ट्रिकल्स लिमिटेड  
(A GOVT. OF INDIA UNDERTAKING) (भारत सरकार का उपक्रम)  
**PROJECT ENGINEERING MANAGEMENT** परियोजना अभियांत्रिकी प्रबंधन

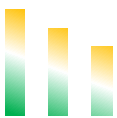
**निविदा आमंत्रण सूचना**  
**NOTICE INVITING TENDER (NIT)**

Enquiry No- 77/26/6078/SAN

Date: 30-Jun-26

BHEL invites offers from reputed Suppliers as per following terms and conditions -

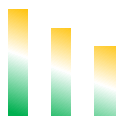
1. Tender Type	Open Tender (Domestic-Indian)		
2. Package	HVAC FOR FGD		
3. Projects	i) 2X500 MW NTPC MAUDA STAGE I-FGD ii) 3X200+3X500+1x500 MW NTPC KORBA TPP-FGD iii) 2 X 250 MW NSPCL Bhilai TPP- FGD		
4. Executing Agency	BHEL-PSWR		
5. End Customer	NTPC		
6. Mode of Enquiry	E - PROCUREMENT		
7. Numbers of Part bid	2-Part bid (Techno-commercial and Price bid)		
8. Due Date & Time	For offer submission	10-Jul-26	12:00 PM
	For P-1 bid opening	10-Jul-26	04:00 PM
9. Earnest Money Deposit (EMD) (Refer S.no- 28 for details)	Applicable	EMD Amount (Rs)	6,00,000
10. Tender Cost	NIL		
11. Eligibility of Local Supplier as per MII (Refer S.no- 37 for details)	Nature of Package: Non - Divisible Only Class I Supplier (with local content 60% and above)		
12. Technical Scope	As per Technical specification No: PE-PF-444/466/468-(571-013)-A001		
13. Pre-bid Clarification	Last Date for Seeking Clarification	6-Jul-26	
	Suppliers to contact BHEL-PEM (over phone/ mail/ visit-BHEL-PEM) for any clarification (Technical or Commercial) at least 05 days before the due date of Tender opening & get it clarified well before the due date, so that offers by the Suppliers may be submitted within the due date & time. BHEL reserves the right not to respond to pre-bid clarifications received after last date of seeking clarification. Bidders to furnish the pre-bid queries in editable format also.		
14. Schedule of Pre-bid Discussion	Based on Bidder's Request, if required, Pre-Bid Meeting shall be arranged.		
15. Prequalification Requirements	Financial PQR- NA	Technical PQR- YES	
	This item/package /system falls under the list of items defined in para 3 of ministry of finance guideline dated 20.09.16 (Procurement of items related to Public safety, Health, Critical Security operations & Equipment's etc.) & hence criteria of prior experience/Turnover shall be same for all the Suppliers including Start-up/MSME.		
16. CIF Content	Not Available		





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17. Mode of Price Finalisation	<p>BHEL shall be resorting to <b>Reverse Auction (RA)</b> (Guidelines as available on <a href="http://www.bhel.com">www.bhel.com</a> ) for this tender.</p> <p>RA shall be conducted among all the techno-commercially qualified bidders. Price bids of all techno-commercially qualified bidders shall be opened and same shall be considered as initial bids of bidders for RA. In case any bidder(s) do(es) not participate in online Reverse Auction, their sealed envelope price bid along with applicable loading, if any, shall be considered for ranking.</p> <p>In case of single qualified bid, price bid of single qualified bidder shall be opened.</p>
18. HSE Guidelines	NA
19. Delivery Schedule	<p>Main Supply (along with commissioning spares): - 05 months from the date of LOA. Drawing/ documents submission and re-submission shall be Technical Specification.</p> <p>Supervision of E&amp;C: - Personnel shall be deputed within 10 days of intimation</p> <p>Mandatory Spares: - 05 months from the date of LOA.</p>
20. Delivery terms	FOR Despatch Station for supply
21. Payment Terms	<p>Main Supply + Freight: As per clause No 9.3.1 of GCC Rev 07.</p> <p>Mandatory Spares: As per clause No 9.1.1 of GCC Rev 07.</p> <p>Supervision of E&amp;C: As per clause no- 9.5 of GCC Rev 07.</p>
22. Guarantee Period	Clause No.12 except 12.2 (a) of GCC Rev 07.
23. Liquidated Damages (LD)	Clause No.16 of GCC Rev 07. Corrigendum-02 to GCC Rev-07 shall not be applicable.
24. Price Basis	Prices are Firm. PVC not applicable
25. Variation of contract value	+/-30%
26. Integrity Pact Applicability - Yes	<p>In line with cl. No. 12 of (ITB) GCC Rev-07, following Independent External Monitors (IEMs) have been appointed by BHEL.</p> <p>a) Dr. Sarat Kumar Acharya, Ex-CMD, NLC (<a href="mailto:iem1@bhel.in">iem1@bhel.in</a>)</p> <p>b) Shri R. Mukundan, IRPS (Retd.) (<a href="mailto:iem2@bhel.in">iem2@bhel.in</a>)</p> <p>c) Shri Madan Lal Meena, IAS (Retd.) (<a href="mailto:iem3@bhel.in">iem3@bhel.in</a>)</p>
27. Tender Evaluation	<p><b>Combined Evaluation together of all three projects will be done on overall L1 (Total Cost to BHEL excluding GST) basis with necessary loading as applicable.</b></p> <p>The evaluation currency for this tender shall be INR.</p> <p>In RA, the loading (technical/commercial), if any, shall be added by bidder while submitting the bid in reverse auction portal. Ordering shall be done after de-loading the commercial/ technical loading from bidder's final price.</p> <p>In the course of evaluation, if more than one bidder happens to occupy L-1 status, effective L-1 will be decided by soliciting discounts from the respective L-1 bidders.</p> <p>In case more than one bidder happens to occupy the L-1 status even after soliciting discounts, the L-1 bidder shall be decided by a</p>





toss/draw of lots, in the presence of the respective L-1 bidder (s) or their representative(s).

Ranking will be done accordingly. BHEL's decision in such situations shall be final & binding.

Successful bidder to submit price break up as per price format/BOQ

28. **Earnest Money Deposit (EMD):** EMD is to be submitted by all the bidders along with their bids (except Micro and Small Enterprises (MSEs) or Start-ups as recognized by Department for Promotion of Industry & Internal Trade (DPIIT).

**Modes of deposit**

The EMD shall be accepted only in the following forms:

- i) Electronic Fund Transfer credited in BHEL account (before tender opening): <https://pem.bhel.com/Documents/SupplierSection/BHELBANKER.pdf>
- ii) Banker's cheque/ Pay order/ Demand draft, in favor of BHEL-PEM, Noida (along with the offer).
- iii) Fixed Deposit Receipt (FDR)
- iv) Bank Guarantee from any of the Scheduled Banks (refer EMD Annexure of NIT)
- v) Insurance Surety Bonds.

Scanned copy of EMD shall be uploaded by Supplier in the online bid and hard copy of the same (excluding EFT at s.no (i) shall have to be submitted to the bidder within 7 (Seven) working days of bid opening, failing which the bid shall be rejected by giving a suitable cut-off date.

**Validity period of EMD:** The EMD shall remain valid for a period of 45 (forty-five) days beyond the final bid validity period.

EMD shall not carry any interest.

**Forfeiture of EMD: -**

- I. A bidder's EMD will be forfeited if the bidder withdraws or amends its/his tender or impairs or derogates from the tender in any respect within the period of validity of the tender or if the successful bidder fails to furnish the required performance security within the specified period mentioned in the Tender.
- II. EMD by the tenderer to be withheld in case any action on the bidder is envisaged under the provisions of extant "Guidelines on Suspension of business dealings with suppliers/ contractors (abridged version of guidelines is available on [www.bhel.com](http://www.bhel.com))" and forfeited/ released based on the action as determined under these guidelines.

**Return of EMD: -**

- I. Bid securities of the unsuccessful bidders shall be returned to them after expiry of the final bid validity period and latest by the 30th day after the award of the contract. However, Bid securities of unsuccessful bidders during first stage i.e. technical-commercial evaluation etc. shall be returned within 30 days of declaration of result of first stage i.e. technical-commercial evaluation.
- II. Bid security shall be refunded to the successful bidder on conclusion of the order/ receipt of a performance security.

29. **Performance Security:** Successful bidder is required to submit Performance Security to respective executing agencies as below within 14 days from the date of LOA:

- i. Initially 10% of the contract value (total Ex-works price excluding PVC). 5% of the contract value (excluding PVC) will be released after completion of main supply based on certification by Project Group/Purchaser. However, 5% of the contract value (excluding PVC) will be released on completion of all contractual obligations, including guarantee/warranty obligations based on certification by Project Group/Purchaser.

OR

- ii. 5% of the contract value (total Ex-works price excluding PVC). Additional 5% of the contract value will be retained from first bill & subsequent bill(s) of the same contract. The retention amount will



be released after completion of main supply based on certification by Project Group/Purchaser. However, 5% of the contract value (excluding PVC) will be released on completion of all contractual obligations, including guarantee/warranty obligations based on certification by Project Group/Purchaser.

**Validity of PS:** As per clause no-11.3 of GCC Rev 07, Validity mentioned in Clause No.11.3 of GCC Rev 07 shall be applicable for all allowed instruments of performance security.

**Modes of deposit:** Performance security may be furnished in the following forms:

- Local cheques of Scheduled Banks (subject to realization)/ Pay Order/ Demand Draft/ Electronic Fund Transfer in favour of BHEL.
- Bank Guarantee from Scheduled Banks / Public Financial Institutions as defined in the Companies Act. The Bank Guarantee format should have the approval of BHEL.
- Fixed Deposit Receipt issued by Scheduled Banks / Public Financial Institutions as defined in the Companies Act (FDR should be in the name of the Contractor, a/c BHEL).
- Securities available from Indian Post offices such as National Savings Certificates, Kisan Vikas Patras etc. (held in the name of Contractor furnishing the security and duly endorsed/ hypothecated/ pledged, as applicable, in favour of BHEL).
- Insurance Surety Bond.

(Note: BHEL will not be liable or responsible in any manner for the collection of interest or renewal of the documents or in any other matter connected therewith)

Performance Security should remain valid for a period of 60 (sixty) days beyond the date of completion of all contractual obligations of the supplier, including warranty obligations.

Notes/Remarks

- The performance security will be forfeited and credited to BHEL's account in the event of a breach of contract by the supplier.
- Performance security should be refunded to the contractor without interest, after he duly performs and completes the contract in all respects but not later than 60(sixty) days of completion of all such obligations including the warranty under the contract.

The Performance Security shall not carry any interest.

30. **Breach of contract, Remedies and Termination** - Clause no. 27.0 of GCC Rev 07 is not applicable. However, in case of Breach of Contract, BHEL shall recover 10% of the contract value from the Vendor using following instruments:

- Encashment of security instruments like EMD, Security Deposit with BHEL -PSSR against the said contract.
- balance amount (if value of security instruments is less than 10% of the contract value) from other financial remedies i.e. available bills of the contractor, retention amount etc with BHEL - PSSR.
- balance amount from security instruments like EMD, Security Deposit and other financial remedies i.e. available bills of the contractor, retention amount etc. with other units of BHEL.
- If recovery is not possible then legal remedies shall be pursued

The balance scope shall be got done independently without Risk & Cost of the failed supplier/ contractor. Further, levy of Liquidated Damages, Debarment, Termination, De-scoping, Short-closure, etc., shall be applied as per provisions of the contract

31. **Minimum Supervision of E&C (Each Project Separately):** Supervision of E&C charges should not exceed 2% of the total contract value, failing which the quoted amount shall be adjusted to 2% of the total contract value by BHEL at the time of ordering.

32. This enquiry is being floated on the risk & cost of M/s Advance Ventilation Pvt Ltd.  
M/s Advance Ventilation Pvt Ltd shall not be eligible to participate in the tender.

33. GST shall be payable extra at actual.



34. Purchase preference would be applicable to MSE bidders as per GOI circular (No. F.1/4/2021- PPD dtd. 18.05.2023) and any other subsequent circulars / clarifications.

All the bidders are required to declare their ownership status (SC/ ST or Women-owned or others) along with their MSE category in format enclosed with NIT. This declaration, along with the Udyam Certificate, shall be mandatory for bidders to avail benefits under the Public Procurement Policy.

35. GeM Seller ID shall be mandatory before placement of order/award of contract to the successful bidder.

36. Bidder to quote non-zero freight charges in percentage (%) of their quoted Total Ex-Works prices of supply.

37. **Make in India:** For this procurement, the local content to categorize a supplier as Class I local supplier/ Class II local supplier/ Non-Local supplier and purchase preference to Class I local supplier shall be as defined in Public Procurement (Preference to Make India), Order 2017 Rev dated 19.07.2024 issued by DPIT. In case of subsequent order issued by nodal ministry changing the definition of local content for item in NIT, the same shall be applicable even if issued after issue of this NIT but before opening of part-II bids against this NIT. Bidders shall comply with all provisions of the Public Procurement (Preference to Make India), Order 2017 Rev dated 19.07.2024.

The margin of purchase preference shall be as per above mentioned order dtd. 19.07.2024. For this tender, offer from **only Class-I Local Suppliers** shall be considered.

Bidders are required to provide the following along with the part-1 bid:

- Provide a certificate (as per format available in NIT) giving the percentage of local content.
- Provide the details of the location(s) at which the local value addition shall be made.

38. **Insurance Deductibles/Excess: (For each and every claim):** As per enclosed insurance policies of the projects.

39. Supplier to note that this is an Open Tender enquiry & consideration of their offer for price bid shall be subjected to the following conditions:

- Qualifying Technical & Financial Pre-Qualification Requirement (attached).
- Techno-Commercial acceptance of offer by BHEL-PEM.
- Approval of bidder by End Customer: - Vendors shall be accepted by Customer (NTPC) based on BHEL Certification regarding past experience with vendor for supply of similar items.  
In case, vendors do not have past experience with BHEL, then the vendors shall be assessed by BHEL for their capability and the assessment report shall be submitted to customer.

It is suggested that suppliers participating in the tender get themselves registered with BHEL-PEM as a "Regular Supplier". Regular Suppliers for the package are informed about the floated tender enquiries by BHEL-PEM. Suppliers to apply online through registration portal available at [www.pem.bhel.com](http://www.pem.bhel.com) - Supplier Zone- Online Supplier Registration. All credentials and/or documents duly signed and stamped related to registration can be uploaded & submitted online through the website.

40. All corrigenda, addenda, amendments, time extensions, clarifications, etc. to the tender will be hosted on BHEL website ([www.bhel.com](http://www.bhel.com)) & BHEL-PEM website ([www.pem.bhel.com](http://www.pem.bhel.com)) and GePNIC portal. Suppliers should regularly visit websites to keep themselves updated.

41. Grievance Redressal Mechanism: To promote transparency and ensure fair treatment of all bidders, a structured Grievance Redressal Mechanism is in place to address any concerns or issues arising during the tendering process or in subsequent business dealings with the company:

*Suppliers/Contractors are requested to follow the below escalation process for grievance resolution:*

- First Level: Any grievance should initially be addressed to the designated Dealing Officer, whose contact details are provided in the Notice Inviting Tender (NIT)/Contract.*
- Second Level: If the issue remains unresolved, it may be escalated by lodging a formal grievance through the SUVIDHA Portal: <https://suvidha.bhel.in/suvidha/>. Responses will be provided in accordance with the defined escalation matrix.*



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42. Verification of PQR documents: Bidders to ensure that Third party/customer issued certificates being submitted as proof of PQR qualification have verifiable details of document/certificate issuing authority such as name & designation of Issuing Authority and its organization contact number and e-mail Id etc. In case the same is not available, then purchaser has right to reject such document(s) from evaluation
43. All Bidders to comply Govt. of India, Ministry of Power, order no-25-111612018-PG dtd 02/07/2020 regarding mandatory testing of all the imported items/equipment's/components
44. Self-declarations/ Auditor's/ Accountant's Certificates submitted by the manufacturer/ supplier may be verified randomly by the committee constituted as per MoP Order 28-07-2020. In case of false documents/misrepresentation of the facts requisite action against such manufacturer/ supplier will be taken based on the recommendation of the Committee.
45. If Supplier mentions Not Applicable / Not required / Not Quoted in BHEL price format, the same to be substantiated by the Supplier. If such item is required to be supplied for system completion in future, same will be supplied free of cost.
46. All bidders to declare that they will not enter into any illegal or undisclosed agreement or understanding, whether formal or informal with other Bidder(s). This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process. In case, the Bidder is found having indulged in above activities, suitable action shall be taken by BHEL as per extant policies/ guidelines.
47. At Sl.no. 17 of ITB of GCC Rev.07, "Base rate of SBI on the date of bid opening, (Techno-commercial bid, in case of 2-part bids) + 6%" may be read as "Repo Rate on the date of bid opening, (Techno-commercial bid, in case of 2-part bids) + 4%"
48. **Conflict of interest:** All bidders are required to submit the declaration regarding conflict of interest in the format enclosed with the NIT signed by the authorized signatory of the bidder
49. Conciliation & Arbitration shall be as per **Annexure-A** to NIT.
50. Terms & Conditions: - Other Terms & Conditions shall be as per enclosed **Special Conditions of Contract (SCC) of the each project, General Conditions of Contract (GCC)-Rev-07 along with its corrigendum-01 (Corrigendum-02 & 03 of GCC Rev-07 shall not be applicable)** which is available on [www.pem.bhel.com](http://www.pem.bhel.com) and other Terms and Conditions included in this Enquiry Letter.
51. All the above terms and conditions, post-bid agreements/MoMs (during Techno- Commercial evaluation) shall automatically become a part of the Order/Contract after its finalisation.
52. Suppliers to note that offers shall be submitted strictly in accordance with the requirements of tender documents. Suppliers shall upload their complete offer meeting the requirements of the tender documents on e-procurement portal <https://eprocurebhel.co.in/nicgep/app>.
- Following documents need to be uploaded:**
- Offer forwarding/ covering letter with Un-price bid, Deviation Sheet (Cost of Withdrawal)
  - Documents required for meeting Technical & Financial PQRs
  - Integrity Pact
  - Local Content Certificate in line with Make in India circular
  - Land Border Certificate
  - Declaration regarding Insolvency/ Liquidation/ Bankruptcy proceedings
  - Mandatory declaration by MSE bidders
  - Mandatory declaration by bidders regarding conflict of interest
  - Price Bid on e-procurement portal - <https://eprocurebhel.co.in/nicgep/app>
53. It shall be the responsibility of the Supplier to ensure that the tender complete in all respects is uploaded on or before the due date and time. Incomplete/late offers shall not be considered.
54. All other correspondence thereof shall be addressed to the undersigned by name & designation and sent at the following address:



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**Sanjeev Kumar /Engineer-BOP**  
**M/s Bharat Heavy Electricals Ltd.,**  
Project Engineering Management,  
BHEL Sadan,  
HRD & ESI Complex,  
Plot No 25, Sector-16 A, Noida-201301  
E-mail: Sanjeev\_k@bhel.in  
Contact No.: 0120-2218522

**Upendra Chaudhary/DGM – BOP**  
**M/s Bharat Heavy Electricals Ltd.,**  
Project Engineering Management,  
BHEL Sadan  
HRD & ESI Complex,  
Plot No 25, Sector-16 A, Noida-201301  
E-mail: upendrachaudhary@bhel.in  
Contact No.: 0120-2218557

Note - In case you are not making an offer against this enquiry, you are requested to send a regret letter so as to reach us on or before the due date

Thanking You.  
For and on behalf of BHEL

Sanjeev Kumar  
Engineer/ BOP/ PEM Noida

**Enclosures: -**

1. SCC of the Project
2. Technical PQR
3. Technical Specifications
4. Integrity Pact
5. Annexure-A for Conciliation & Arbitration
6. Price format
7. Abridged version of applicable RA guidelines

## Annexure-A to NIT

### CONCILIATION

Any dispute, difference or controversy of whatever nature howsoever arising under or out of or in relation to this Agreement (including its interpretation) between the Parties, and so notified in writing by either Party to the other Party (the "Dispute") shall, in the first instance, be attempted to be resolved amicably in accordance with the conciliation procedure as per BHEL Conciliation Scheme 2018. The proceedings of Conciliation shall broadly be governed by Part-III of the Arbitration and Conciliation Act 1996 or any statutory modification thereof and as provided in - "Procedure for conduct of conciliation proceedings" (as available in [www.bhel.com](http://www.bhel.com)).

**Note:** Ministry of Finance has issued OM reference No. 1/2/24 dated 03.06.2024 regarding "Guidelines for Arbitration and Mediation in Contracts of Domestic Public Procurement. In the said OM it has been recommended that Government departments/ Entities/agencies are to encourage mediation under the Mediation Act. 2023. The said Act has not yet been notified by the Government. Therefore, the clause "Settlement of Disputes" shall be modified accordingly as and when the Mediation Act 2023 gets notified.

### ARBITRATION

- i. Except as provided elsewhere in this Contract, in case Parties are unable to reach amicable settlement (whether by Conciliation to be conducted as provided in Clause 2.21.1 herein above or otherwise) in respect of any dispute or difference; arising out of the formation, breach, termination, validity or execution of the Contract; or, the respective rights and liabilities of the Parties; or, in relation to interpretation of any provision of the Contract; or, in any manner touching upon the Contract (hereinafter referred to as the 'Dispute'), then, either Party may, refer the disputes to Arbitral Institution i.e. "**India International Arbitration Centre (IIAC) Delhi**" for PSNR & PSEER / "**Mumbai Centre for International Arbitration (MCIA), Mumbai**" for PSWR / "**Nani Palkhivala Arbitration Centre (NPAC) Chennai**" for PSSR and such dispute to be adjudicated by Sole Arbitrator appointed in accordance with the Rules of said Arbitral Institution.
- ii. A party willing to commence arbitration proceeding shall invoke Arbitration Clause by giving notice to the other party in terms of section 21 of the Arbitration & Conciliation Act, 1996 (hereinafter referred to as the 'Notice') before referring the matter to arbitral institution. The Notice shall be addressed to the **Head of the Region, Power Sector/ Unit, BHEL, executing the Contract** and shall contain the particulars of all claims to be referred to arbitration with sufficient detail and shall also indicate the monetary amount of such claim including interest, if any.
- iii. After expiry of 30 days from the date of receipt of aforesaid notice, the party invoking the Arbitration shall submit that dispute to the Arbitral Institutions and that dispute shall be adjudicated in accordance with their respective Arbitration Rules. The matter shall be adjudicated by a Sole Arbitrator who shall necessarily be a Retd. Judge having considerable experience in commercial matters to be appointed/nominated by the respective institution. The cost/expenses pertaining to the said Arbitration shall also be governed in accordance with the Rules of the respective Arbitral Institution. The decision of the party invoking the Arbitration for reference of dispute to a specific Arbitral institution for adjudication of that dispute shall be final and binding on both the parties and shall not be subject to any change thereafter. The institution once selected at the time of invocation of dispute shall remain unchanged.
- iv. The fee and expenses shall be borne by the parties as per the Arbitral Institutional rules.

- v. The Arbitration proceedings shall be in English language and the seat and venue of Arbitration shall be Delhi for PSNR/ Kolkata for PSER/ Nagpur for PSWR/ Chennai for PSSR.
- vi. Subject to the above, the provisions of Arbitration & Conciliation Act 1996 and any amendment thereof shall be applicable. All matters relating to this Contract and arising out of invocation of Arbitration clause are subject to the exclusive jurisdiction of the Court(s) situated at Delhi for PSNR/ Kolkata for PSER/ Nagpur for PSWR/ Chennai for PSSR.
- vii. Notwithstanding any reference to the Designated Engineer or Conciliation or Arbitration herein, a. the parties shall continue to perform their respective obligations under the Contract unless they otherwise agree. Settlement of Dispute clause cannot be invoked by the Contractor, if the Contract has been mutually closed or 'No Demand Certificate' has been furnished by the Contractor or any Settlement Agreement has been signed between the Employer and the Contractor.
- viii. The Mechanism of resolution of disputes through arbitration shall be available only in the cases where the value of the dispute is less than Rs. 10 Crores.
- ix. In case the disputed amount (Claim, Counter claim including interest is Rs. 10 crores and above, the parties shall be within their rights to take recourse to remedies other than Arbitration, as may be available to them under the applicable laws after prior intimation to the other party. Subject to the aforesaid conditions, provisions of the Arbitration and Conciliation Act, 1996 and any statutory modifications or re-enactment thereof as amended from time to time, shall apply to the arbitration proceedings under this clause.
- x. In case, multiple arbitrations are invoked (whether sub-judice or arbitral award passed) by any party to under this contract, then the cumulative value of claims (including interest claimed or awarded) in all such arbitrations shall be taken in account while arriving at the total claim in dispute for the subject contract for the purpose of above clause. Disputes having cumulative value of less than 10 crores shall be resolved through arbitration and any additional dispute shall be adjudicated by the court of competent jurisdiction.

MAIN PRICE FORMAT				
NAME OF PROJECT:		i) 3X200+3X500+1x500 MW NTPC KORBA TPP-FGD ii) 2 X 250 MW NSPCL Bhilai TPP- FGD iii) 2X500 MW NTPC MAUDA STAGE I-FGD		
NAME OF PACKAGE:		HVAC SYSTEM FOR FGD		
TECHNICAL SPECIFICATION:		PE-PF-444/466/468-(571-013)-A001		
ENQUIRY NO		77/26/6078/SAN Dated 30.06.2026		
BIDDER NAME				
Please fill the yellow cells only				
S.NO	DESCRIPTION	UNIT	QTY	Total Evaluation Price including Freight excluding GST
1.0	Total lump sum firm price for complete scope of HVAC SYSTEM listed below as per technical specification for	Set	1	
	List of Projects			
	2X500 MW NTPC MAUDA STAGE I-FGD			
	3X200+3X500+1x500 MW NTPC KORBA TPP-FGD			
	2X500 MW NTPC MAUDA STAGE I-FGD			
	Freight % of Total Ex-Works Price			
Notes :	<p style="color: red;">1. Prices to be fill in this sheet only while submitting price bid. Prices quoted in this sheet shall be considered for evaluation.</p> <p>2. Successful bidder to submit price break in the enclosed annexures.</p> <p>3. Unit Prices of same items in BOQ in each project shall be same.</p> <p>4 Minimum Supervision of E&amp;C (Each Project Separately): Supervision of E&amp;C charges should not exceed 2% of the total contract value, failing which the quoted amount shall be adjusted to 2% of the total contract value by BHEL at the time of ordering.</p>			

**PRICE FORMAT**

NAME OF PACKAGE: HVAC FOR FGD		Enquiry No.- 77/26/6078/SAN Dated 30.06.2026									
TECHNICAL SPECIFICATION No: PE-TS-444/466/468-(571-013)-A001		Supply					Supervision of E&C		Total Scope (Supply + Services)		
S. No.	DESCRIPTION	Project	UNIT	QTY	Total Ex-Works Excluding GST INR	Freight %	Freight in INR	Total FOR Site Price Excluding GST	Unit Price (INR)	Total Price (INR)	Total Scope (Supply + Services)
1	Total lump sum firm price for Supply part including Mandatory spares and Services comprising of design (i.e. preparation and submission of drawing /documents including "As Built" drawings and O&M manuals), engineering, manufacture, fabrication, assembly, inspection / testing at vendor's & sub-vendor's works, painting, maintenance tools & tackles, fill of lubricants & consumables along with spares for erection, start-up and commissioning as required, forwarding, proper packing, shipment and delivery at site, Supervision of E&C, for the total scope defined as per BHEL NIT & tender technical specification as specified above, amendment & agreements till placement of order.	Mauda- FGD	Lot	1							₹ 0.00
		Korba - FGD	Lot	1							₹ 0.00
		Bhilai- FGD	Lot	1							₹ 0.00
2	<b>MAJOR BREAK-UP OF PRICES GIVEN IN 1.0 ABOVE.</b>										
2.1	Total lump sum firm price for Supply part comprising of design (i.e. preparation and submission of drawing /documents including "As Built" drawings and O&M manuals), engineering, manufacture, fabrication, assembly, inspection / testing at vendor's & sub-vendor's works, painting, maintenance tools & tackles (as per Appendix-A), fill of lubricants & consumables along with spares for erection (as per Appendix-B), start-up and commissioning spares as required, forwarding, proper packing, shipment and delivery at site for the total scope defined as per BHEL NIT & tender technical specification as specified above, amendment & agreements till placement of order. (Break-up as per Annexure-I)	Mauda- FGD	Set	1	₹ 0.00	0%	₹ 0.00	₹ 0.00			₹ 0.00
		Korba - FGD	Set	1	₹ 0.00	0%	₹ 0.00	₹ 0.00			₹ 0.00
		Bhilai- FGD	Set	1	₹ 0.00	0%	₹ 0.00	₹ 0.00			₹ 0.00
2.2	Total lumpsum firm price for mandatory spares comprising of manufacture, fabrication, assembly, inspection / testing (as applicable) at vendor's & sub-vendor's works, painting, forwarding, proper packing, shipment, delivery at site & guarantee as per tender technical specification above, amendment & agreements till placement of order. (Break up of mandatory spares is to be furnished as per Annexure- II)	Mauda- FGD	Set	1	₹ 0.00	0%	₹ 0.00	₹ 0.00			₹ 0.00
		Korba - FGD	Set	1	₹ 0.00	0%	₹ 0.00	₹ 0.00			₹ 0.00
		Bhilai- FGD	Set	1	₹ 0.00	0%	₹ 0.00	₹ 0.00			₹ 0.00
2.3	Total lumpsum firm prices for Services part comprising of Supervision of Erection & Commissioning for the total scope defined as per BHEL NIT & tender technical specification as specified above, amendment & agreements till placement of order. (Break-up as per Annexure-III)	Mauda- FGD	Set	1					₹ 0.00	₹ 0.00	₹ 0.00
		Korba - FGD	Set	1					₹ 0.00	₹ 0.00	₹ 0.00
		Bhilai- FGD	Set	1					₹ 0.00	₹ 0.00	₹ 0.00

ANNEXURE - I										
NAME OF PROJECT:		UNIT	Mauda- FGD Projects	Korba - FGD Projects	Bhilai- FGD Projects	Total Qty	Unit Ex-Works Price (INR)	Mauda- FGD Projects	Korba - FGD Projects	Bhilai- FGD Projects
NAME OF PACKAGE:			HVAC FOR FGD					Total Ex-Works Price (INR)	Total Ex-Works Price (INR)	Total Ex-Works Price (INR)
TECHNICAL SPECIFICATION No:		PE-TS-444/466/468-(571-013)-A001								
SL NO	DESCRIPTION		Qty	Qty	Qty					
<b>A</b>	<b>AC SYSTEM</b>									
1a*	DX type, air cooled condensing unit of minimum 65 TR (ACTUAL) capacity. <b>Make Bluestar, Model No. ACUS2-090ER2</b>									
1a1*	Filter Drier for above machine	Nos.*	4	0	0	4		₹ 0.00	₹ 0.00	₹ 0.00
1a2*	Expansion valve for above machine	Nos.*	4	0	0	4		₹ 0.00	₹ 0.00	₹ 0.00
1a3*	Copper tube (Liquid - 1-1/8") between AHU and condensing unit along with bends and insulation	Rmt*	100	0	0	100		₹ 0.00	₹ 0.00	₹ 0.00
1a4*	Copper tube (Gas Line - 2-5/8") between AHU and condensing unit along with bends and insulation	Rmt*	100	0	0	100		₹ 0.00	₹ 0.00	₹ 0.00
1b*	Sheet metal cabinet type air handling units (double skin as per specification) The draw through horizontal AHUs (min. 60 mmWC SP) shall comprise of Dampers, pre filter, fine filters, DX- cooling coil, Fan section with fan & TEFC sq cage induction motor, condensate drain pan, thermostatic controls and other accessories, like ladder along with supporting structure for filter and plenum, etc. to meet the AC load of control room area as per specification.									
1b1*	18.5KW, 4 pole, IE3 Motor for the Air Handling Units	Nos	2	0	0	2		₹ 0.00	₹ 0.00	₹ 0.00
1b2*	VFD (along with starter panel) and other accessories as required for VFD for AHU centrifugal fan	Nos	2	0	0	2		₹ 0.00	₹ 0.00	₹ 0.00
1c*	Fresh air fan (axial flow type), complete with motor, inlet cone, air filters (pre and fine), dampers etc. (1650 CFM, 30MMWC Static)	Nos.*	2	0	0	2		₹ 0.00	₹ 0.00	₹ 0.00
2a*	DX type, air cooled condensing unit of minimum 40 TR (ACTUAL) capacity. <b>Make Bluestar, Model No. ACUS3-052ER2</b>									
2a1*	Filter Drier for above machine	Nos.*	0	0	4	4		₹ 0.00	₹ 0.00	₹ 0.00
2a2*	Expansion valve for above machine	Nos.*	0	0	4	4		₹ 0.00	₹ 0.00	₹ 0.00
2a3*	Copper tube (Liquid - 7/8) between AHU and condensing unit along with bends and insulation	Rmt*	0	0	100	100		₹ 0.00	₹ 0.00	₹ 0.00
2a4*	Copper tube (Gas Line - 1-5/8") between AHU and condensing unit along with bends and insulation	Rmt*	0	0	100	100		₹ 0.00	₹ 0.00	₹ 0.00

ANNEXURE - I										
NAME OF PROJECT:		UNIT	Mauda- FGD Projects	Korba - FGD Projects	Bhilai- FGD Projects	Total Qty	Unit Ex-Works Price (INR)	Mauda- FGD Projects	Korba - FGD Projects	Bhilai- FGD Projects
NAME OF PACKAGE:			HVAC FOR FGD					Total Ex-Works Price (INR)	Total Ex-Works Price (INR)	Total Ex-Works Price (INR)
TECHNICAL SPECIFICATION No:		PE-TS-444/466/468-(571-013)-A001								
SL NO	DESCRIPTION		Qty	Qty	Qty					
2b*	Sheet metal cabinet type air handling units (double skin as per specification) The draw through horizontal AHUs (min. 60 mmWC SP) shall comprise of Dampers, pre filter, fine filters, DX- cooling coil, Fan section with fan & TEFC sq cage induction motor, condensate drain pan, thermostatic controls and other accessories, like ladder along with supporting structure for filter and plenum, etc. to meet the AC load of control room area as per specification.									
2b1*	11KW, 4 pole, IE3 Motor for the Air Handling Units	Nos	0	0	2	2		₹ 0.00	₹ 0.00	₹ 0.00
2c*	Fresh air fan (axial flow type), complete with motor, inlet cone, air filters (pre and fine), dampers etc. (875 CFM)	Nos.*	0	0	2	2		₹ 0.00	₹ 0.00	₹ 0.00
3a*	DX type, air cooled condensing unit of minimum 50 TR (ACTUAL) capacity. <b>Make Bluestar, Model No. ACUY2S-070ER2</b>									
3a1*	Filter Drier for above machine	Nos.*	0	12	0	12		₹ 0.00	₹ 0.00	₹ 0.00
3a2*	Expansion valve for above machine	Nos.*	0	12	0	12		₹ 0.00	₹ 0.00	₹ 0.00
3a3*	Copper tube (Liquid - 1-1/8") between AHU and condensing unit along with bends and insulation	Rmt*	0	300	0	300		₹ 0.00	₹ 0.00	₹ 0.00
3a4*	Copper tube (Gas Line - 2-5/8") between AHU and condensing unit along with bends and insulation	Rmt*	0	300	0	300		₹ 0.00	₹ 0.00	₹ 0.00
3b*	Sheet metal cabinet type air handling units (double skin as per specification) The draw through horizontal AHUs (min. 60 mmWC SP) shall comprise of Dampers, pre filter, fine filters, DX- cooling coil, Fan section with fan & TEFC sq cage induction motor, condensate drain pan, thermostatic controls and other accessories, like ladder along with supporting structure for filter and plenum, etc. to meet the AC load of control room area as per specification.									
3b1*	15KW, 4 pole, IE3 Motor for the Air Handling Units	Nos*	0	6	0	6		₹ 0.00	₹ 0.00	₹ 0.00
3c*	Fresh air fan (axial flow type), complete with motor, inlet cone, air filters (pre and fine), dampers etc.3300 CFM, 30MMWC	Nos.*	0	2	0	2		₹ 0.00	₹ 0.00	₹ 0.00
4*	Thermal insulation of supply air duct & return air duct with finish as specified.	SQM*	150	0	150	300		₹ 0.00	₹ 0.00	₹ 0.00

## ANNEXURE - I

NAME OF PROJECT:		UNIT	Mauda- FGD Projects	Korba - FGD Projects	Bhilai- FGD Projects	Total Qty	Unit Ex-Works Price (INR)	Mauda- FGD Projects	Korba - FGD Projects	Bhilai- FGD Projects
NAME OF PACKAGE:			HVAC FOR FGD					Total Ex-Works Price (INR)	Total Ex-Works Price (INR)	Total Ex-Works Price (INR)
TECHNICAL SPECIFICATION No:		PE-TS-444/466/468-(571-013)-A001								
SL NO	DESCRIPTION		Qty	Qty	Qty					
5*	MS medium class drain piping upto nearest drain point with insulation & cladded and without insulation									
a*	50mm with insulation and cladding	Rmt*	20	20	20	60		₹ 0.00	₹ 0.00	₹ 0.00
b*	40mm with insulation and cladding	Rmt*	20	20	20	60		₹ 0.00	₹ 0.00	₹ 0.00
c*	50mm without insulation and cladding	Rmt*	20	20	20	60		₹ 0.00	₹ 0.00	₹ 0.00
d*	40mm without insulation and cladding	Rmt*	20	20	20	60		₹ 0.00	₹ 0.00	₹ 0.00
6*	Air-cooled split type AC units consisting of condensing unit & evaporating unit including refrigerant pipes & fittings with insulation etc.									
(a)*	2.0 TR capacity (non-ductable type, 240 V, 1 phase ) with isolation switch , i.e MCB of suitable rating as specified, voltage stabilizer, cabling, all supporting structure and refrigerant piping to suite actual site condition.	Nos*	0	14	0	14		₹ 0.00	₹ 0.00	₹ 0.00
7	Refrigerant (R407C) for Condensing Unit	KG*	180	400	120	700		₹ 0.00	₹ 0.00	₹ 0.00

ANNEXURE - I										
NAME OF PROJECT:		UNIT	Mauda- FGD Projects	Korba - FGD Projects	Bhilai- FGD Projects	Total Qty	Unit Ex-Works Price (INR)	Mauda- FGD Projects	Korba - FGD Projects	Bhilai- FGD Projects
NAME OF PACKAGE:			HVAC FOR FGD					Total Ex-Works Price (INR)	Total Ex-Works Price (INR)	Total Ex-Works Price (INR)
TECHNICAL SPECIFICATION No:		PE-TS-444/466/468-(571-013)-A001								
SL NO	DESCRIPTION		Qty	Qty	Qty					
<b>B</b>	<b>VENTILATION SYSTEM</b>									
1a*	Modular type Unitary air filtration unit with centrifugal fan with motor, pumps with motors, filters, UAF internals, inlet air louvers, piping as per IS: 1239 pt I (heavy class galvanised), valves, nozzles, back wash arrangement, galvanised drain piping etc. as per specification of capacity total <b>70,000 CMH</b> . Each UAF has 1 no centrifugal fan ( <b>1 x 100% duty</b> ) of capacity <b>70,000 CMH at min. 65 mmWC SP.</b>	No	0	0	1	1		₹ 0.00	₹ 0.00	₹ 0.00
1b*	Modular type Unitary air filtration unit with centrifugal fan with motor, pumps with motors, filters, UAF internals, inlet air louvers, piping as per IS: 1239 pt I (heavy class galvanised), valves, nozzles, back wash arrangement, galvanised drain piping etc. as per specification of capacity total <b>1,20,000 CMH</b> . Each UAF has 1 no centrifugal fan ( <b>1 x 100% duty</b> ) of capacity <b>1,20,000 CMH at min. 65 mmWC SP.</b>	No	0	2	0	2		₹ 0.00	₹ 0.00	₹ 0.00
1c*	Part of the Modular type Unitary air filtration unit of Capacity 1,10, 000 CMH, 65MM Static as per scope defined in the specification, Clause no. 4.0, S. No. 23, Section-I, Sub-Section C1.	Lot *	1	0	0	1		₹ 0.00	₹ 0.00	₹ 0.00
3*	Roof extractor units (axial flow type) with hood, disconnect switch and all accessories as specified. <b>Following fan shall have 15 mmwc static pressure.</b>									
a1)*	Capacity 40,000 CMH with Motor rating 5.5 KW	Nos.*	0	4	0	4		₹ 0.00	₹ 0.00	₹ 0.00
a2)*	Accessories (Hood, Bird Screen) for 40,000 CMH, RE Unit	Nos.*	0	4	0	4		₹ 0.00	₹ 0.00	₹ 0.00
4*	Axial flow supply fans with pre and fine filter (wall mounted) complete with casing, TEFC sq cage induction motors & mounting frame, MS rain protection cowl, bird screen along with support structure and all other accessories (suitable for 415V/3-phase supply). <b>Following fan shall have 30 mmwc static pressure.</b>									
a1)*	Capacity 10,000 CMH with Motor rating 2.2 KW	Nos.*	0	1	0	1		₹ 0.00	₹ 0.00	₹ 0.00
a2)*	Filter Assembly carrying Pre-Filter (610x610x50mm - 4 nos) & Fine-Filter (610x610x50mm - 4 nos)	Nos.*	0	5	0	5		₹ 0.00	₹ 0.00	₹ 0.00
a3)*	Accessories (Cowl, bird Screen, support structure, Nuts, Bolts, Anchor Fastners etc.), 10,000 CMH 30 mmwc Axial Fan	Nos.*	0	5	0	5		₹ 0.00	₹ 0.00	₹ 0.00
b1)*	Capacity 7,500 CMH with Motor rating 1.5 KW	Nos.*	0	0	0	0		₹ 0.00	₹ 0.00	₹ 0.00

ANNEXURE - I										
NAME OF PROJECT:		UNIT	Mauda- FGD Projects	Korba - FGD Projects	Bhilai- FGD Projects	Total Qty	Unit Ex-Works Price (INR)	Mauda- FGD Projects	Korba - FGD Projects	Bhilai- FGD Projects
NAME OF PACKAGE:			HVAC FOR FGD					Total Ex-Works Price (INR)	Total Ex-Works Price (INR)	Total Ex-Works Price (INR)
TECHNICAL SPECIFICATION No:			PE-TS-444/466/468-(571-013)-A001					Total Ex-Works Price (INR)	Total Ex-Works Price (INR)	Total Ex-Works Price (INR)
SL NO	DESCRIPTION		Qty	Qty	Qty					
b2)*	Filter Assembly carrying Pre-Filter ((610x610x50mm - 2 nos & 610x305x50mm - 2 nos.) & Fine-Filter ((610x610x50mm - 2 nos & 610x305x50mm - 2 nos.)	Nos.*	2	0	0	2		₹ 0.00	₹ 0.00	₹ 0.00
b3)*	Accessories (Cowl, bird Screen, support structure, Nuts, Bolts, Anchor Fastners etc.), 7500 CMH 30 mmwc Axial Fan	Nos.*	2	0	0	2		₹ 0.00	₹ 0.00	₹ 0.00
c1)*	Capacity 6,000 CMH with Motor rating 1.1 KW	Nos.*	0	6	0	6		₹ 0.00	₹ 0.00	₹ 0.00
c2)*	Filter Assembly carrying Pre-Filter (610x610x50mm - 2 nos & 610x305x50mm - 2 nos.) & Fine-Filter (610x610x50mm - 2 nos & 610x305x50mm - 2 nos.)	Set*	0	10	0	10		₹ 0.00	₹ 0.00	₹ 0.00
c3)*	Accessories (Cowl, bird Screen, support structure, Nuts, Bolts, Anchor Fastners etc.), 6000 CMH 30 mmwc Axial Fan	Set*	0	10	0	10		₹ 0.00	₹ 0.00	₹ 0.00
d1)*	Capacity 4,000 CMH with Motor rating 0.75 KW	Nos.*	0	1	0	1		₹ 0.00	₹ 0.00	₹ 0.00
d2)*	Filter Assembly carrying Pre-Filter (610x610x50mm - 2 nos) & Fine-Filter (610x610x50mm - 2 nos)	Set*	0	1	0	1		₹ 0.00	₹ 0.00	₹ 0.00
d3)*	Accessories (Cowl, bird Screen, support structure, Nuts, Bolts, Anchor Fastners etc.), 4000 CMH 30 mmwc Axial Fan	Set*	0	1	0	1		₹ 0.00	₹ 0.00	₹ 0.00
5*	Axial flow supply fans with pre filter (wall mounted) complete with casing, TEFC sq cage induction motors & mounting frame, MS rain protection cowl, bird screen along with support structure and all other accessories (suitable for 415V/3-phase supply) as specified. <b>Following fan shall have 20 mmwc static pressure.</b>									
a1)*	Capacity 10,000 CMH with Motor rating 1.5 KW	Nos.*	0	33	0	33		₹ 0.00	₹ 0.00	₹ 0.00
a2)*	Filter Assembly carrying Pre-Filter (610x610x50mm - 4 nos)	Set*	0	33	0	33		₹ 0.00	₹ 0.00	₹ 0.00
a3)*	Accessories (Cowl, bird Screen, support structure, Nuts, Bolts, Anchor Fastners etc.), 10,000 CMH 20 mmwc Axial Fan	Set*	0	33	0	33		₹ 0.00	₹ 0.00	₹ 0.00
b1)*	Capacity 6,000 CMH with Motor rating 1.1 KW	Nos.*	0	1	0	1		₹ 0.00	₹ 0.00	₹ 0.00
b2)*	Filter Assembly carrying Pre-Filter (610x610x50mm - 2 nos & 610x305x50mm - 2 nos.)	Set*	0	1	0	1		₹ 0.00	₹ 0.00	₹ 0.00
b3)*	Accessories (Cowl, bird Screen, support structure, Nuts, Bolts, Anchor Fastners etc.), 6000 CMH 20 mmwc Axial Fan	Set*	0	1	0	1		₹ 0.00	₹ 0.00	₹ 0.00

ANNEXURE - I										
NAME OF PROJECT:		UNIT	Mauda- FGD Projects	Korba - FGD Projects	Bhilai- FGD Projects	Total Qty	Unit Ex-Works Price (INR)	Mauda- FGD Projects	Korba - FGD Projects	Bhilai- FGD Projects
NAME OF PACKAGE:			HVAC FOR FGD					Total Ex-Works Price (INR)	Total Ex-Works Price (INR)	Total Ex-Works Price (INR)
TECHNICAL SPECIFICATION No:		PE-TS-444/466/468-(571-013)-A001								
SL NO	DESCRIPTION		Qty	Qty	Qty					
6*	Axial flow exhaust fans (Bifurcated type, spark proof construction, wall mounted) complete with casing, flame proof motor & mounting frame, MS rain protection cowl, bird screen along with support structure and all other accessories epoxy painted (suitable for 415V/3-phase supply) as specified. <b>Following fan shall have 15 mmwc static pressure.</b>									
a1)*	Capacity 7,500 CMH with Motor rating 1.1 KW	Nos.*	0	1	0	1		₹ 0.00	₹ 0.00	₹ 0.00
a2)*	Accessories (Cowl, bird Screen, support structure, Nuts, Bolts, Anchor Fastners etc.), 7500 CMH 15 mmwc Axial Fan	Set*	4	4	0	8		₹ 0.00	₹ 0.00	₹ 0.00
b1)*	Capacity 4,000 CMH with Motor rating 0.75 KW	Nos.*	0	0	0	0		₹ 0.00	₹ 0.00	₹ 0.00
b2)*	Accessories (Cowl, bird Screen, support structure, Nuts, Bolts, Anchor Fastners etc.), 4000 CMH 15 mmwc Axial Fan	Set*	0	0	4	4		₹ 0.00	₹ 0.00	₹ 0.00
c1)*	Capacity 2,000 CMH with Motor rating 0.55 KW	Nos.*	0	0	0	0		₹ 0.00	₹ 0.00	₹ 0.00
c2)*	Accessories (Cowl, bird Screen, support structure, Nuts, Bolts, Anchor Fastners etc.), 2000 CMH 15 mmwc Axial Fan	Set*	0	0	0	0		₹ 0.00	₹ 0.00	₹ 0.00
7*	Axial flow exhaust fans (Wall mounted) complete with casing, TEFC sq cage induction motor & mounting frame, MS rain protection cowl, bird screen along with support structure and all other accessories epoxy painted (suitable for 415V/3-phase supply) as specified. <b>Following fan shall have 10 mmwc static pressure.</b>									
a1)*	Capacity 15,000 CMH with Motor rating 1.1 KW	Nos.*	0	1	0	1		₹ 0.00	₹ 0.00	₹ 0.00
a2)*	Accessories (Cowl, bird Screen, support structure, Nuts, Bolts, Anchor Fastners etc.), 15,000 CMH 10 mmwc Axial Fan	Set*	0	1	0	1		₹ 0.00	₹ 0.00	₹ 0.00
b1)*	Capacity 10,000 CMH with Motor rating 0.75 KW	Nos.*	0	1	0	1		₹ 0.00	₹ 0.00	₹ 0.00
b2)*	Accessories (Cowl, bird Screen, support structure, Nuts, Bolts, Anchor Fastners etc.), 10,000 CMH 10 mmwc Axial Fan	Set*	0	2	0	2		₹ 0.00	₹ 0.00	₹ 0.00
c1)*	Capacity 6,000 CMH with Motor rating 0.55 KW	Nos.*	0	2	0	2		₹ 0.00	₹ 0.00	₹ 0.00
c2)*	Accessories (Cowl, bird Screen, support structure, Nuts, Bolts, Anchor Fastners etc.), 6,000 CMH 10 mmwc Axial Fan	Set*	0	2	0	2		₹ 0.00	₹ 0.00	₹ 0.00
d1)*	Capacity 4,000 CMH with Motor rating 0.55 KW	Nos.*	0	1	0	1		₹ 0.00	₹ 0.00	₹ 0.00
d2)*	Accessories (Cowl, bird Screen, support structure, Nuts, Bolts, Anchor Fastners etc.), 4,000 CMH 10 mmwc Axial Fan	Set*	0	1	0	1		₹ 0.00	₹ 0.00	₹ 0.00

ANNEXURE - I										
NAME OF PROJECT:		UNIT	Mauda- FGD Projects	Korba - FGD Projects	Bhilai- FGD Projects	Total Qty	Unit Ex-Works Price (INR)	Mauda- FGD Projects	Korba - FGD Projects	Bhilai- FGD Projects
NAME OF PACKAGE:			HVAC FOR FGD					Total Ex-Works Price (INR)	Total Ex-Works Price (INR)	Total Ex-Works Price (INR)
TECHNICAL SPECIFICATION No:		PE-TS-444/466/468-(571-013)-A001								
SL NO	DESCRIPTION		Qty	Qty	Qty					
8*	Exhaust fan (propeller type) completes with induction motor & mounting frame MS rain protection cowl, bird screen and all other accessories as specified (suitable for 240V/ 1 phase). <b>Following fan shall have 5 mmwc static pressure.</b>									
a1)*	Capacity 1000 CMH with Motor rating 100 watts	Nos.*	4	12	8	24		₹ 0.00	₹ 0.00	₹ 0.00
a2)*	Accessories (Gravity Louver) for 1000 CMH Propeller Fan	Set*	4	12	8	24		₹ 0.00	₹ 0.00	₹ 0.00
<b>C</b>	<b>COMMON FOR AC AND VENTILATION SYSTEM</b>									
1*	Supply air ducting (finished) for above area complete with dampers, grills (with VCD & without VCD), supports (painted) and all accessories as specified.									
1.1*	Finished (Actual quantity of duct erected at site, excluding the scrap) GSS (zinc coating 275 gms/sq.m). This Ducting ducting shall be supplied along with the support structure and assessories etc.									
a)*	18 G	SQM*	75	0	75	150		₹ 0.00	₹ 0.00	₹ 0.00
b)*	20 G	SQM*	200	0	200	400		₹ 0.00	₹ 0.00	₹ 0.00
c)*	22 G	SQM*	300	0	300	600		₹ 0.00	₹ 0.00	₹ 0.00
d)*	24 G	SQM*	250	0	250	500		₹ 0.00	₹ 0.00	₹ 0.00
1.1.1	Duct Accessories required for Duct Erection									
a)*	MS Threaded Rod Dia (mm) with Anchor Fastners with corresponding Nuts, Bolts, Washers required for duct support.									
a1)*	M10, 1500 Lg	NOS*	45	0	25	70		₹ 0.00	₹ 0.00	₹ 0.00
a2)*	M10, 2000 Lg	NOS*	350	0	200	550		₹ 0.00	₹ 0.00	₹ 0.00
a3)*	M16, 2000 Lg	NOS*	50	0	20	70		₹ 0.00	₹ 0.00	₹ 0.00
a4)*	M16, 3000 Lg	NOS*	20	0	10	30		₹ 0.00	₹ 0.00	₹ 0.00
c)	Rivets (4.5 mm)	KG*	21	0	10	31		₹ 0.00	₹ 0.00	₹ 0.00
d1)*	Corner Metal Flange (1.2mm Thk)	NOS*	2600	0	1400	4000		₹ 0.00	₹ 0.00	₹ 0.00
d2)*	Corner Metal Flange (1.6mm Thk)	NOS*	800	0	500	1300		₹ 0.00	₹ 0.00	₹ 0.00
e)*	M8x25mm Bolt with Nuts & Washer.	KG*	45	0	25	70		₹ 0.00	₹ 0.00	₹ 0.00
f)*	Gasket (6.0mm Thk)	METER*	1600	0	900	2500		₹ 0.00	₹ 0.00	₹ 0.00
g)*	TDF Flange cleat (1.2mm Thk)	NOS*	5000	0	3000	8000		₹ 0.00	₹ 0.00	₹ 0.00
h)*	Sealant (280mL)	NOS*	30	0	20	50		₹ 0.00	₹ 0.00	₹ 0.00
1.2*	Supply air Grill/diffuser with VCD (Extruded Aluminium).	SQM*	2	0	2	4		₹ 0.00	₹ 0.00	₹ 0.00
1.3*	Return air Grill/diffuser without VCD (Extruded Aluminium).	SQM*	2	0	2	4		₹ 0.00	₹ 0.00	₹ 0.00
1.4*	Supply air Grill/diffuser with VCD (MS, POWDER COATED).	SQM*	2	0	2	4		₹ 0.00	₹ 0.00	₹ 0.00
1.5*	Volume control damper in GI construction as per specification	SQM*	0	3.5	0	3.5		₹ 0.00	₹ 0.00	₹ 0.00

ANNEXURE - I										
NAME OF PROJECT:		UNIT	Mauda- FGD Projects	Korba - FGD Projects	Bhilai- FGD Projects	Total Qty	Unit Ex-Works Price (INR)	Mauda- FGD Projects	Korba - FGD Projects	Bhilai- FGD Projects
NAME OF PACKAGE:			HVAC FOR FGD					Total Ex-Works Price (INR)	Total Ex-Works Price (INR)	Total Ex-Works Price (INR)
TECHNICAL SPECIFICATION No:		PE-TS-444/466/468-(571-013)-A001								
SL NO	DESCRIPTION		Qty	Qty	Qty					
1.6*	Wall mounted dampers (gravity operated) for different areas.	SQM*	4.32	19	2.5	25.82		₹ 0.00	₹ 0.00	₹ 0.00
1.7*	Inlet Louvres	SQM*	4.32	4.25	1.5	10.07		₹ 0.00	₹ 0.00	₹ 0.00
1.8*	MS Duct With Epoxy paint for battery room.	SQM*	15	0	0	15		₹ 0.00	₹ 0.00	₹ 0.00
2*	ACOUSTIC INSULATION (AS PER THE SPECIFICATION)	SQM*	60	0	60	120		₹ 0.00	₹ 0.00	₹ 0.00
3*	FIRE DAMPER									
a)*	Fire damper	SQM*	8.21	15	6.2	29.41		₹ 0.00	₹ 0.00	₹ 0.00
4*	Motorized Actuator with single phase power supply for the above Fire damper and Volume control damper with auto resetting, limit switches, indication lamps etc.	Nos*	5	0	0	5		₹ 0.00	₹ 0.00	₹ 0.00
5*	Supporting Structure (MS Angles, ISMC etc.)	Tons	2	4	2	8		₹ 0.00	₹ 0.00	₹ 0.00
6	Cable tray, conduits, junction box, lugs and glands, Local control panel and Field instruments like pressure gauge, temperature gauge, switches and transmitters for pressure, flow and temperature measurement, differential pressure switch across filters, flow meters, RH and Temperature sensor and other required instruments as per specifications, including necessary control panel form hook up with main DDCMIS as per specifications									
6.1	Instruments									
a)*	T-RH Sensor	Nos*	1	2	1	4		₹ 0.00	₹ 0.00	₹ 0.00
b)*	Differential Pressure Switch - Air	Nos*	2	6	2	10		₹ 0.00	₹ 0.00	₹ 0.00
c)*	Pressure Switch - Air	Nos*	2	6	2	10		₹ 0.00	₹ 0.00	₹ 0.00
d)*	Air Stat	Nos*	1	2	1	4		₹ 0.00	₹ 0.00	₹ 0.00
e)*	Level Transmitter (Profibus Type)	Nos*	1	2	1	4		₹ 0.00	₹ 0.00	₹ 0.00
f)*	Pressure Transmitter (Profibus Type)	Nos*	1	2	1	4		₹ 0.00	₹ 0.00	₹ 0.00
g)*	Pressure Gauge	Nos*	2	4	2	8		₹ 0.00	₹ 0.00	₹ 0.00
h)*	Temperature Gauge	Nos*	1	2	1	4		₹ 0.00	₹ 0.00	₹ 0.00
i)*	Differential Pressure Switch - Water	Nos*	1	2	1	4		₹ 0.00	₹ 0.00	₹ 0.00
j)*	Limit Switch	Nos*	1	2	1	4		₹ 0.00	₹ 0.00	₹ 0.00
6.2	Cable Tray for Cable Routing									
a)*	100mm Wide, 100mm Depth	MTR*	50	50	50	150		₹ 0.00	₹ 0.00	₹ 0.00
b)*	50mm Wide, 100mm Depth	MTR*	50	50	50	150		₹ 0.00	₹ 0.00	₹ 0.00
6.3	Junction Box									
a)*	128 Ways	Nos.	1	2	1	4		₹ 0.00	₹ 0.00	₹ 0.00
b)*	64 Ways	Nos.	1	2	1	4		₹ 0.00	₹ 0.00	₹ 0.00

ANNEXURE - I										
NAME OF PROJECT:		UNIT	Mauda- FGD Projects	Korba - FGD Projects	Bhilai- FGD Projects	Total Qty	Unit Ex-Works Price (INR)	Mauda- FGD Projects	Korba - FGD Projects	Bhilai- FGD Projects
NAME OF PACKAGE:			HVAC FOR FGD					Total Ex-Works Price (INR)	Total Ex-Works Price (INR)	Total Ex-Works Price (INR)
TECHNICAL SPECIFICATION No:		PE-TS-444/466/468-(571-013)-A001								
SL NO	DESCRIPTION		Qty	Qty	Qty					
7	Total lumpsum price for special tools & tackles for maintenance inclusive of packing forwarding, transportation up to site, etc. (Break up of to be furnished as per Appendix- A)	LOT	1	1	1	3	₹ 0.00	₹ 0.00	₹ 0.00	₹ 0.00
8	Total lumpsum price for commissioning spares inclusive of packing forwarding, transportation up to site, etc. (Break up of to be furnished as per Appendix- B)	LOT	1	1	1	3	₹ 0.00	₹ 0.00	₹ 0.00	₹ 0.00
D	<b>Total</b>							₹ 0.00	₹ 0.00	₹ 0.00
NOTES										
1	The bidder shall furnish unit rates for variable item (marked *) for necessary adjustment (plus or minus) variation during detailed engg. stage. The unit rates quoted above shall be considered for adjustment for all the projects and no separate unit rates shall be quoted. Unit rates shall be valid throughout the contract.									
2	Price format shall not be changed by the bidder as the bidder may get disqualified by doing so.									
3	Any cell left blank in the unpriced schedule shall be treated as "Quoted" and is included in total price.									
4	Bidder to note that above BOQ for this tender has to be read in conjunction with tender specification. Any item, if not mentioned in above BOQ but indicated in tender specification and required for completion of the system shall deemed to be included in above price.									

**ANNEXURE-II  
LIST OF MANDATORY SPARES**

NAME OF PROJECT:		Mauda- FGD Projects			Korba - FGD Projects			Bhilai- FGD Projects		
NAME OF PACKAGE:		HVAC FOR FGD								
TECHNICAL SPECIFICATION:		PE-TS-444/466/468-(571-013)-A001								
Sl. No.	ITEM DESCRIPTION	UNIT	QTY.	Total Ex- works Price ( INR)	QTY.	Total Ex- works Price ( INR)	QTY.	Total Ex- works Price ( INR)		
<b>AIR CONDITING AND VENTILATION SYSTEM</b>										
1	<b>Air handling unit (for each model)</b>									
1.1	V-belts for AHU Blower	Sets	2		2	₹ 0.00	2	₹ 0.00		
1.2	AHU Blower bearing	Sets	1		1	₹ 0.00	1	₹ 0.00		
1.3	Blower motor bearing	Sets	1		1	₹ 0.00	1	₹ 0.00		
1.4	Filters at suction and discharge of all AHUs	Nos.	25% of installed population		25% of installed population	₹ 0.00	25% of installed population	₹ 0.00		
2	<b>Unitary air filtration unit</b>									
2.1	Supply Air fans									
2.1.1	V-belts for supply air fans	Sets	2		2	₹ 0.00	2	₹ 0.00		
2.1.2	Supply air fan bearings	Sets	1		1	₹ 0.00	1	₹ 0.00		
2.2	<b>UAF Pump</b>									
2.2.1	Pump bearings	Sets	1		1	₹ 0.00	1	₹ 0.00		
2.2.2	Impeller for pump	Nos.	1		1	₹ 0.00	1	₹ 0.00		
2.2.3	Pump Shaft	Nos.	1		1	₹ 0.00	1	₹ 0.00		
2.2.4	Shaft sleeves	Sets	1		1	₹ 0.00	1	₹ 0.00		
2.2.5	Gland Packings for pumps	Sets	1		1	₹ 0.00	1	₹ 0.00		
2.2.6	Nylon Filter	Sets	1		1	₹ 0.00	1	₹ 0.00		
2.2.7	Spray nozzles	Nos.	5% of total population or 50 Numbers whichever is higher.		5% of total population or 50 Numbers whichever is higher.	₹ 0.00	5% of total population or 50 Numbers whichever is higher.	₹ 0.00		
2.2.8	Water strainer	Nos.	1		1	₹ 0.00	1	₹ 0.00		
2.2.9	Brass suction screen/strainer for unitary air filtration tank.	Sets	1		1	₹ 0.00	1	₹ 0.00		
2.2.10	Motor for Centrifugal fan for UAF	Nos.	1		1	₹ 0.00	1	₹ 0.00		
3	<b>Control &amp; Instrumentation</b>									
i)	Air-Conditioning System									
3.1	<b>Electronic Transmitters</b>									
3.1.1	Transmitters of all types and model no. (for the measurement of Pressure, differential pressure flow, level, temperature etc.)	Nos.	5% or 1 No. of each type and model whichever is more. (to be divided into various ranges in proportion to main population)		5% or 1 No. of each type and model whichever is more. (to be divided into various ranges in proportion to main population)	₹ 0.00	5% or 1 No. of each type and model whichever is more. (to be divided into various ranges in proportion to main population)	₹ 0.00		
3.2	Temperature elements									
3.2.1	RTD's*	Nos.	5% or 1 No. which ever is more **		5% or 1 No. which ever is more **	₹ 0.00	5% or 1 No. which ever is more **	₹ 0.00		
3.2.2	Thermo well*	Nos.	5% or 1 No. which ever is more **		5% or 1 No. which ever is more **	₹ 0.00	5% or 1 No. which ever is more **	₹ 0.00		
3.3	All types of Local Indicators	Nos.	5% or 1 No. of each make, model and type whichever is more (to be divided to various ranges in proportion to main population of all make, model and type)		5% or 1 No. of each make, model and type whichever is more (to be divided to various ranges in proportion to main population of all make, model and type)	₹ 0.00	5% or 1 No. of each make, model and type whichever is more (to be divided to various ranges in proportion to main population of all make, model and type)	₹ 0.00		
3.4	Process Actuated Switch Devices Includes all types of Pressure, differential pressure, flow, and temperature, and differential temperature, level switch Devices.	Nos.	5% or 1No. Of each type and model whichever is more.		5% or 1No. Of each type and model whichever is more.	₹ 0.00	5% or 1No. Of each type and model whichever is more.	₹ 0.00		
3.5	Relative Humidity Sensors	Nos.	1		1	₹ 0.00	1	₹ 0.00		
3.6	Geyser stat	Nos.	1		1	₹ 0.00	1	₹ 0.00		
3.7	Local Humidity/Temperature indicators	Nos.	2Nos. each.		2Nos. each.	₹ 0.00	2Nos. each.	₹ 0.00		
4	<b>Process Connection Piping (for Impulse Piping / Tubing, Sampling Piping / Tubing and Air Supply Piping as Applicable)</b>									
4.1	Valves	Nos.	10% or 1 No. of each type, class, size and model whichever is more.		10% or 1 No. of each type, class, size and model whichever is more.	₹ 0.00	10% or 1 No. of each type, class, size and model whichever is more.	₹ 0.00		
4.2	2 way, 3way, 5way valve manifolds	Nos.	10% or 1 No. of each type, class, size and model whichever is more.		10% or 1 No. of each type, class, size and model whichever is more.	₹ 0.00	10% or 1 No. of each type, class, size and model whichever is more.	₹ 0.00		
4.3	Fittings	Nos.	10% or 1 No. of each type, class, size and model whichever is more.		10% or 1 No. of each type, class, size and model whichever is more.	₹ 0.00	10% or 1 No. of each type, class, size and model whichever is more.	₹ 0.00		
(ii)	<b>Ventilation System</b>									

5	<b>Measuring Instruments</b>							
5.1	Pressure Gauge	Nos.	1 No. (for centrifugal pumps of UAF units).		1 No. (for centrifugal pumps of UAF units).	₹ 0.00	1 No. (for centrifugal pumps of UAF units).	₹ 0.00
5.2	Level transmitter	Nos.	1 No.		1 No.	₹ 0.00	1 No.	₹ 0.00
5.3	Pressure transmitter	Nos.	1 No. (for UAF units)		1 No. (for UAF units)	₹ 0.00	1 No. (for UAF units)	₹ 0.00
6	<b>Process Connection Piping (for Impulse Piping / Tubing, Sampling Piping / Tubing and Air Supply Piping as Applicable)</b>							
6.1	Valves	Nos.	1 no. of each type, class, size and model		1 no. of each type, class, size and model	₹ 0.00	1 no. of each type, class, size and model	₹ 0.00
6.2	2 way valve manifold	Nos.	1 no. of each type, class, size and model		1 no. of each type, class, size and model	₹ 0.00	1 no. of each type, class, size and model	₹ 0.00
6.3	Fittings	Nos.	1 no. of each type, class, size and model		1 no. of each type, class, size and model	₹ 0.00	1 no. of each type, class, size and model	₹ 0.00
	<b>Total</b>					₹ 0.00		₹ 0.00

<b>Notes:</b>	
1	Mandatory spares listed in Price Schedule is bare minimum requirement. In case any additional mandatory spares requirement is covered elsewhere in the tender specification apart from specified above, same shall be deemed to have been covered in bidder's scope of supply.
2	A 'set' means items or sub-items required for each type/size range of the assembly/ sub-assembly, required for replacement in one main equipment. It is further intended that the assembly/ sub-assembly which have different orientation (like left hand or right hand, top or bottom), different direction of rotation or mirror image positioning or any other reasons which result in maintaining two different sets of the spares to be used for the subject assembly/ sub-assembly, these shall be considered as different types of assembly/ sub-assembly.
3	All mandatory spares shall be supplied as per the requirement of the tender specifications. In case spares indicated in the list are not applicable to the particular design offered by the bidder, the bidder should offer spares applicable to offered design with quantities generally in line with the approach followed in the above list, without any commercial implication.
4	Whenever the quantities have been indicated for each type, size, thickness, material, radius, range etc., these shall cover all the items supplied and installed
5	Wherever rubber part viz: coupling, V belt, flexible hose etc. have been used, minimum quantity as specified above is to be supplied and any item which is not covered above minimum 10% or 01 no whichever is higher is to be supplied.
6	Wherever non-metallic fabric/paper filter etc. have been used, minimum quantity as specified above is to be supplied and any item which is not covered above minimum 10% or 01 no whichever is higher is to be supplied
7	Wherever quantity has been specified as percentage (%), the quantity of mandatory spares to be provided by contractor shall be the specified percentage (%) of the total population of the plant. In case the quality so calculated happens to be a fraction, the same shall be rounded off to next higher whole number.
8	Bidder to write "Quoted / Not Applicable" against all items. Any item which is quoted as "not applicable" by the bidder in the above list and is found to be "applicable" at a later date shall be supplied by the bidder without any commercial and delivery implication.
9	Any special tool required for maintenance of any of the equipment being supplied is to be included in mandatory T&P along with the equipment.
10	Any cell left blank in the unpriced schedule shall be treated as "Quoted" and is included in total price.
11	* With head assembly, terminal block and nipple
12	** to be divided into various insertion lengths in proportion to main population

**ANNEXURE II: PRICE BREAKUP FOR SERVICE PART**

NAME OF PROJECT:		Mauda- FGD Projects				Korba - FGD Projects				Bhilai- FGD Projects			
NAME OF PACKAGE:		HVAC FOR FGD											
S. No.	DESCRIPTION	QTY	UNIT	Unit Price (INR)	Total Price (INR)	QTY	UNIT	Unit Price (INR)	Total Price (INR)	QTY	UNIT	Unit Price (INR)	Total Price (INR)
1.0	Total lumpsum firm prices inclusive of all prevailing taxes, duties and other levies for Services part comprising of Supervision of Erection & Commissioning for the total scope defined as per BHEL NIT & tender technical specification as specified above, amendment & agreements till placement of order	1	LOT		₹ 0.00	1	LOT		₹ 0.00	1	LOT		₹ 0.00
2.0	<b>Break Up Prices of 1.0</b>												
2.1*	Total lump sum prices for visits (should include travel expenses to/ fro site including intermediary stay etc.) for Supervision of erection and commissioning for the total scope defined as per BHEL NIT & tender technical specification, amendment & agreements till placement of order.	2	Nos.		₹ 0.00	2	Nos.		₹ 0.00	2	Nos.		₹ 0.00
2.2*	Total lump sum prices for Supervision of erection and commissioning ( in days) for the total scope defined as per BHEL NIT & tender technical specification, amendment & agreements till placement of order.	10	days		₹ 0.00	10	days		₹ 0.00	10	days		₹ 0.00
NOTES													

1. No. of days at site defined at S.N. 2.2 above shall be calculated on the basis of presence at site (travel time is excluded).

2. No. of Visits and days for Site assessment during contract stage may vary depending on site requirement. Any variation in no. of visits & no. of days shall be exercised based on unit rate arrived from S.N. 2.1 & 2.2 above respectively.

3. Bidder to quote the Prices in 'figures' along with corresponding 'words'.

**APPENDIX - A**  
**Maintenance tools & tackles**

NAME OF PROJECT:			Mauda- FGD Projects	Korba - FGD Projects	Bhilai- FGD Projects	Total Qty	Unit Ex- works Price ( INR)	Total Ex- works Price ( INR)
NAME OF PACKAGE:			HVAC FOR FGD					
TECHNICAL SPECIFICATION No:			PE-TS-444/466/468-(571-013)-A001					
SL NO	DESCRIPTION	UNIT	Qty	Qty	Qty			
1	FLAT D WRENCH - 6 MM TO 32 MM (12 Pcs)	SET	1	1	1	3		₹ 0.00
2	BOX WRENCHES - 6 MM TO 22 MM (14 Pcs)	SET	1	1	1	3		₹ 0.00
3	RING SPANNER - 6 MM TO 32 MM (12 Pcs)	SET	1	1	1	3		₹ 0.00
4	ALLEN KEYS - 2 MM TO 10 MM	SET	1	1	1	3		₹ 0.00
5	CRESCENT SCREW SPANNER	NO.	1	1	1	3		₹ 0.00
6	SCREW DRIVER	NO.	1	1	1	3		₹ 0.00
7	OFFSET SCREW DRIVER	NO.	1	1	1	3		₹ 0.00
8	INSULATED PLIER	NO.	1	1	1	3		₹ 0.00
9	TORCH LIGHT ( SUITABLE FOR 2 CELL)	NO.	1	1	1	3		₹ 0.00
10	HAMMER 1 LB	NO.	1	1	1	3		₹ 0.00
11	OIL CAN	NO.	1	1	1	3		₹ 0.00
12	POCKET THERMOMETER - 0 TO 50 DEG. C	NO.	1	1	1	3		₹ 0.00
13	INSULATION TAPE ROLL	NO.	1	1	1	3		₹ 0.00
14	STEEL FOOT RULE - 12"	NO.	1	1	1	3		₹ 0.00
15	FEELER GAUGE 9 BLADES	NO.	1	1	1	3		₹ 0.00
16	PIPE WRENCH	NO.	1	1	1	3		₹ 0.00
17	FLARE NUT (1/4")	NOS.	6	6	6	18		₹ 0.00
18	FLARING TOOL	NO.	1	1	1	3		₹ 0.00
19	TUBE CUTTER	NO.	1	1	1	3		₹ 0.00
20	GAS CHARGING PIPE	NO.	1	1	1	3		₹ 0.00
21	NITROGEN CHARGING ADAPTER	NO.	1	1	1	3		₹ 0.00
22	PRESSURE GAUGE (2 1/2" DIA DIAL) 0 - 300 PSI	NO.	1	1	1	3		₹ 0.00
23	PRESSURE GAUGE (2 1/2" DIA DIAL) 0 - 500 PSI	NO.	1	1	1	3		₹ 0.00
24	COMPOUND GAUGE (2 1/2" DIA DIAL) (-)30" to 150 PSI	NO.	1	1	1	3		₹ 0.00
25	PSYCHRO METER	NO.	1	1	1	3		₹ 0.00
26	LOCK WITH KEY FOR TOOL BOX	NO.	1	1	1	3		₹ 0.00
27	RATCHET 1/4"	NO.	1	1	1	3		₹ 0.00
28	MS TOOL BOX	NO.	1	1	1	3		₹ 0.00
29	Measuring tape	NO.	1	1	1	3		₹ 0.00
30	Tachometer	NO.	1	1	1	3		₹ 0.00
31	Double ended spanner	SET	1	1	1	3		₹ 0.00
32	Gasket punch	NO.	1	1	1	3		₹ 0.00

33	Centre punch	NO.	1	1	1	3		₹ 0.00	
34	Scissors for sheet metal cutting	NO.	1	1	1	3		₹ 0.00	
35	Multimeter	NO.	1	1	1	3		₹ 0.00	
36	Anemometer	NO.	1	1	1	3		₹ 0.00	
37	Slide wrench 8"	NO.	1	1	1	3		₹ 0.00	
38	Slide wrench 10"	NO.	1	1	1	3		₹ 0.00	
39	Slide wrench 6"	NO.	1	1	1	3		₹ 0.00	
40	Box spanner set	SET	1	1	1	3		₹ 0.00	
<b>TOTAL</b>									₹ 0.00
NOTES									
1	ABOVE IS THE MINIMUM LIST. ANY OTHER TOOL / TACKEL REQUIRED FOR THE SYSTEM SHALL ALSO BE PROVIDED BY THE VENDOR WITHOUT ANY COST IMPLICATION.								

**APPENDIX - B**  
**Commissioning spares**

NAME OF PROJECT:		Mauda- FGD Projects	Korba - FGD Projects	Bhilai- FGD Projects	Total Qty		
NAME OF PACKAGE:		HVAC FOR FGD					
TECHNICAL SPECIFICATION No:		PE-TS-444/466/468-(571-013)-A001					
SL NO	DESCRIPTION	UNIT	Qty	Qty	Qty	Unit Ex- works Price ( INR)	Total Ex- works Price ( INR)
1	FAN BELTS	SET	1	1	1		₹ 0.00
2	PRESSURE GAUGE	NO.	1	1	1		₹ 0.00
3	TEMPERATURE GAUGE	NO.	1	1	1		₹ 0.00
4	FILTER	SET	1	1	1		₹ 0.00
5	COMPRESSOR OIL	Lot	1	1	1		₹ 0.00
6	REFRIGERANT	Lot	1	1	1		₹ 0.00
7	LUBRICANT (EACH TYPE)	Lot	1	1	1		₹ 0.00
<b>TOTAL</b>							₹ 0.00
<b>NOTES</b>							
1	ABOVE IS THE MINIMUM LIST. ANY OTHER COMMISSIONING SPARE REQUIRED FOR THE SYSTEM SHALL ALSO BE PROVIDED BY THE VENDOR WITHOUT ANY COST IMPLICATION.						

**ANNEXURE-II DEVIATION SHEET (COST OF WITHDRAWAL)**

<b>PROJECT:-</b>						HVAC FOR FGD			
<b>PACKAGE :-</b>						i) 3X200+3X500+1x500 MW NTPC KORBA TPP-FGD ii) 2 X 250 MW NSPCL Bhilai TPP- FGD iii) 2X500 MW NTPC MAUDA STAGE I-FGD			
<b>TENDER ENQUIRY :-</b>						77/26/6078/SAN Dated 30.06.2026			
<b>NAME OF THE BIDDER</b>									
Sl. No.	Volume/Section	Page No.	Clause No.	Technical Specification/Tender Document No	Complete Description of Deviation	Cost of withdrawal of deviation to be entered by the bidder in	Reference of price Schedule of which Cost of Withdrawal of Deviation is applicable	Nature of cost of withdrawal of deviation (Positive/Negative)	Reasons for quoting deviation
1	<b>TECHNICAL DEVIATION</b>								
1.01									
1.02									
1.03									
1.04									
1.05									
1.06									
1.07									
1.08									
2	<b>COMMERCIAL DEVIATION</b>								
2.01									
2.02									
2.03									
2.04									
2.05									
2.06									
2.07									
2.08									

**NOTES:**

- Cost of Withdrawal of deviation will be applicable on the basic price (i.e. excluding taxes, duties & freight) only.
- All the bidders have to list out all their technical & commercial deviations (if any) in details in the above format.
- Any deviation not mentioned above and shown separately or found hidden in offer, will not be taken cognizance of.
- Bidder shall submit duly filled unpriced copy of above format indicating "quoted" in "cost of withdrawl of deviation" column of the schedule above along with their Techno-commercial offer, wherever applicable. In absence of same, such deviation(s) shall not be considered and offer shall be considered in total compliance to NIT.
- Bidder shall furnish price copy of above format along with price bid.
- The final decision of acceptance/ rejection of the deviations quoted by the bidder shall be at discretion of the Purchaser.
- Bidders to note that any deviation (technical/commercial) not listed in above and asked after Part-I opening shall not be considered.
- For deviations w.r.t. Credit Period, Liquidated damages, Firm prices if a bidder chooses not to give any cost of withdrawal of deviation loading as per Annexure-VII of GCC, Rev-07 will apply. For any other deviation mentioned in un-priced copy of this format submitted with Part-I bid but not mentioned in priced copy of this format submitted with Priced bid, the cost of withdrawal of deviation shall be taken as NIL.
- Any deviation mentioned in priced copy of this format, but not mentioned in the un-priced copy, shall not be accepted.
- All techno-commercial terms and conditions of NIT shall be deemed to have been accepted by the bidder, other than those listed in unpriced copy of this format.
- Cost of withdrawl is to be given separately for each deviation. In no event bidder should club cost of withdrawl of more than one deviation else cost of withdrawl of such deviations which have been clubbed together shall be considered as NIL.
- In case nature of cost of withdrawl (positive/negative) is not specified it shall be assumed as positive.
- In case of discrepancy in the nature of impact (positive/ negative), positive will be considered for evaluation and negative for ordering.