



# Bharat Heavy Electricals Limited

(A Govt. Of India Undertaking)  
PROJECT ENGINEERING MANAGEMENT  
NOTICE INVITING TENDER (NIT)

Enquiry No- PE/PG/RER/E-7343/2023

Date- 25-Sep-23

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

1. Project	<b>3X200 NTPC RAMAGUNDAM UNIT 1,2,3 ESP R&amp;M</b>	
2. Package	<b>HVAC System for R&amp;M Projects</b>	
3. End Customer	<b>NTPC</b>	
4. Executing Agency	BHEL-PSWR	
5. Mode of Enquiry	E - PROCUREMENT	
6. Nature of Package (Divisible/Non-Divisible)	<b>Non-Divisible</b>	
7. Due Date & Time for offer submission	<b>07 October 2023</b>	<b>11 :00 AM IST</b>
Opening date and time	<b>07 October 2023</b>	<b>04:30 PM IST</b>
8. Earnest Money Deposit (EMD)	NIL	
9. Tender Cost	NIL	
10. Numbers of Part bid	<b>2-Part bid (Techno-commercial and price bid)</b>	
11. Technical Scope	As per Technical specification No: PE-TS-448-571-15000A-A002 (REV-00)	
12. Last Date for Seeking Clarification	<b>05 days before due date of tender opening</b>	
13. Schedule of Pre Bid Discussion	Pre-bid conference shall be arranged based on pre-bid queries received. The schedule of pre-bid meeting shall be intimated later.	
14. Prequalification Requirement	Financial PQR-NO	Technical PQR- YES
15. Delivery terms	FOR Despatch Station for Supply portion	
16. Delivery Schedule :-		
For Supply (along with commissioning spares and Tools & tackles)	3 Months from the date of LOA.	
Mandatory Spares	Mandatory Spares and Tools & tackles (if any) are to be delivered along with the last consignment of main supply within the contractual delivery period.	
Note: Above delivery conditions are to be complied by bidder strictly.		
17. Prices shall be Firm till completion of contract.	PVC Formula, If applicable :- NA	
18. CIF Content	Not Available	CIF Value: Not Applicable
19. Integrity Pact Applicability -	NO	
20.	<b>"This package is being procured at the risk &amp; cost of M/s EFE Works Kolkata., hence M/s EFE Works Kolkata is not eligible to bid in this tender."</b>	
21. Bidders to note that –	<ul style="list-style-type: none"><li>• The items mentioned in the Price Schedule of the NIT – Main Supply and Mandatory Spares Supply are to be supplied by the new supplier.</li><li>• Items mentioned in the enclosed list have been already supplied</li><li>• Guarantee/Warranty terms mentioned in the NIT is applicable for the items mentioned in the BOQ of the NIT and not for the items already been supplied by M/s EFE Works.</li><li>• BHEL has issued NIT for Supply of balance items of the PO on risk cost of M/s EFE Works.</li><li>• BHEL site is initiating the process of Contract Termination of LOA No. P248/20 (E&amp;C) awarded to M/s EFE Works and arranging the alternate agency at risk and cost of M/s EFE works for executing the E&amp;C work of HVAC system of Ramagundam ESP R&amp;M stage-I.</li></ul>	



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22. **Tender Evaluation** - Evaluation **will be done on overall L1 (Total Cost to BHEL excluding GST) basis with necessary loading as applicable.**  
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.
- 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.  
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 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.
23. **Terms & Conditions:-** The terms & conditions shall be as per enclosed special conditions of the contract (copy enclosed), GCC Rev 07 which is available on [www.pem.bhel.com](http://www.pem.bhel.com) and other Terms and Conditions included in this Enquiry Letter.
24. BG should be in favour of BHEL-PSWR in place of PEM. L1 Vendor will be required to submit BG as per GCC Rev-07. Bidder to refer SI No 10 of Corrigenda 01 to GCC Rev 07 in this regard.
25. Bidders who fulfil Technical Pre-Qualification Requirement Criteria are eligible to participate in this tender. Bids of only those bidders shall be evaluated who meet the Technical Pre-Qualifying requirements.
26. "BHEL shall be resorting to Reverse Auction (RA) (Guidelines as available on [www.bhel.com](http://www.bhel.com)) for this tender. 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 in RA. In case any bidder(s) does not participate in online Reverse Auction, their sealed envelope price bid along with applicable loading, if any, shall be considered for ranking."
- Note:  
1. In case of single qualified bid, price bid of single qualified bidder shall be opened  
2. Vendors to note that above RA clause will supersede clause no 13 of "Instruction to Bidders" of GCC Rev 07
27. Regarding verification of PQR documents-  
Bidders to ensure that Third party/customer issued certificates being submitted as proof of PQR qualification should 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 found not available, Purchaser has right to reject such document from evaluation.
28. Bidder to note that this is an Open Tender enquiry & RA participation shall be subject to following condition:  
a) Qualifying Technical & Financial Pre-Qualification Requirement.  
b) Techno-commercial acceptance of offer by BHEL-PEM.
- The bidders who are not registered with BHEL-PEM may apply for registration in BHEL-PEM through Registration Portal available at [www.bhelpem.com](http://www.bhelpem.com)-->vendor section-->online supplier registration. All credentials and/or documents duly signed & stamped related to registration has to be uploaded on the website & submit the application for registration. One set of hard copy filled-up SRF downloaded from Online Registration Portal duly signed & stamped has to be submitted.



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29. All corrigenda, addenda, amendments, time extensions, clarifications, etc. to the tender will be hosted on BHEL website ([www.bhel.com](http://www.bhel.com)), <https://eprocurebhel.co.in/nicgep/app> & BHEL-PEM website ([www.pem.bhel.com](http://www.pem.bhel.com)). Bidders should regularly visit websites to keep themselves updated.

30. If bidder mentions Not Applicable / Not required / Not Quoted in BHEL price format, the same to be substantiated by the bidder. If such item is required to be supplied for system completion in future, same will be supplied free of cost.

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

32. **Construction Power-** The Contractor shall submit within thirty (30) days from the date of acceptance of the LOAs, his electrical power requirement, if any, to allow the planning of the same. The Contractor shall be provided with free supply of electricity for the purpose of execution of the contract at one point only at work site at 415 V voltage level. The Contractor shall make his own further distribution arrangement and shall maintain a minimum drawal power factor of 0.8, and all such devices for maintaining power factor of 0.8 or better shall be under the scope of contractor. All temporary wiring must comply with local regulations and will be subject to inspection & approval before connection to supply. The free supply of power will not be provided for the use in the labour and staff colony. Power supply for labour & staff colony shall be provided at one point. It shall be the responsibility of the contractor to take the power supply up to the point of his use. The supply of electricity for labour & staff colony shall be charged at rates prevalent at the site.

**Construction Water-** Free Supply of service water will be made available for construction and drinking purposes at a single point at works site to be decided by NTPC.

33. All other correspondence thereof shall be addressed to the undersigned by name & designation and sent at the following address:

Sanjeev Kumar/Dy. Engineer– BOP  
M/s Bharat Heavy Electricals Ltd.,  
Project Engineering Management,  
Power Project Engineering Institute,  
HRD & ESI Complex,  
Plot No 25, Sector-16 A, Noida-201301  
E-MAIL: [sanjeev\\_k@bhel.in](mailto:sanjeev_k@bhel.in)  
Ph. No. 0120-4368590

Sumeet Sahay/MGR-BOP  
M/s Bharat Heavy Electricals Ltd.,  
Project Engineering Management,  
Power Project Engineering Institute,  
HRD & ESI Complex,  
Plot No 25, Sector-16 A, Noida-201301  
E-MAIL: [sumeetsahay@bhel.in](mailto:sumeetsahay@bhel.in)  
Mob-9999498202

34. Over all (%) quantity variation: The variation on overall package value due to changes in the scope shall be limited to +/-10% in place of 30% mentioned in clause no 6.0 of GCC-REV-07.

35. **Insurance Deductibles/ EXCESS:** Following Deductibles/ EXCESS may be considered.

- a) Marine-Rs. 20000/-
- b) Storage /Erection and Testing Cover
  - (i) Rs 75,000/-or 5% of the claim amount whichever is higher for Normal Period.
  - (ii) Rs 2,00,000/- or 5% of the claim amount whichever is higher for Testing Period.
- c) Act of God (AOG) Perils: 10% of the claim amount subject to maximum of Rs. 5 crs per event and minimum of as above.
- d) Fire / Explosion Claims: 20% of the claim amount subject to minimum of testing period excess.
- e) Extended Maintenance Cover/ Defect Liability Cover: As applicable for testing period excess.
- f) Third Party Liability Cover: The policy excesses (Normal/ Testing periods) shall apply for third party liability property damage claims also.

For third party liability claims arising out of Acts of God perils, the excess applicable to AOG claims shall apply.



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36. All Bidders will be asked 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.

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

38. GST shall be payable extra at actual as per the HSN code finalised for the items during detailed BBU.

39. Bidders are requested to refer clause no 26.0 (Make in India) of instructions to bidder of GCC Rev 07

"For this procurement, the local content to categorize a supplier as Class I local supplier and Class II local supplier and purchase preference to Class I local supplier is as defined in Public Procurement (Preference to Make India), Order 2017 dated 16.09.2020 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."

This package is not divisible in nature and not covered in LCLC list. The margin of purchase preference shall be as per order dtd. 16.09.2020. For this tender, offers from Class I Local Supplier and Class II Local Supplier shall be considered.

Bidders are required to provide the following along with the part-1 bid if they want to claim purchase preference as per MII guidelines:

(i) Provide a self-certificate (in line with attached draft) meeting minimum local content requirement for class-1 supplier (60%).

(ii) Provide the details of the location(s) at which the local value addition shall be made.

40. This item/Package falls under the list of items defined in Para 3 of Ministry guideline ref no.F.20/2/214-PPD(Pt.) dated.20-09-2016 (in respect of procurement of items related to public safety, health, critical security operations and equipment's, etc.) & hence no relaxation of PQR for start-up/MSME vendors is envisaged for the NIT items/Package.

41. Bidders may visit site/ work area and study the job content, facilities available, availability of materials, prevailing site conditions including law & order situation etc. before quoting for this tender. They may also consult this office before submitting their offers, for any clarifications regarding scope of work, facilities available at sites or on terms and conditions. No additional claim shall be entertained by BHEL in future, on account of non-acquaintance of above.

42. Purchase preference to Micro and Small Enterprises (MSEs):

a) For Divisible Packages:

Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L 1 + 15% of margin of purchase preference /price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for 25% of total quantity.

b) For Non Divisible Packages:

No purchase preference would be applicable to MSEs bidders over Non-MSEs bidders.



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## 43. Restrictions under Rule 144(xi) of the General Financial Rules (GFRs), 2017

- I. Any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority.
- II. "Bidder" (including the term 'tenderer', 'consultant' or 'service provider' in certain contexts) means any person or firm or company, including any member of a consortium or joint venture (that is an association of several persons, or firms or companies), every artificial juridical person not falling in any of the descriptions of bidders stated hereinbefore, including any agency branch or office controlled by such person, participating in a procurement process.
- III. "Bidder from a country which shares a land border with India" for the purpose of this Order means
  - a. An entity incorporated, established or registered in such a country; or
  - b. A subsidiary of an entity Incorporated. established or registered in such a country; or
  - c. An entity substantially controlled through entities incorporated, established or registered in such a country; or
  - d. An entity whose *beneficial owner is* situated in such a country: or
  - e. An Indian (or other) agent of such an entity; or
  - f. A natural person who is a Citizen of such a country; or
  - g. A consortium or joint venture where any member of the consortium or joint venture falls under any of the above.

### IV. The *beneficial owner* for the purpose of (iii) above will be as under:

1. In case of a company or Limited Liability Partnership, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has a controlling ownership Interest or who exercises control through other means,

#### Explanation-

- a. "Controlling ownership interest" means ownership of or entitlement to more than twenty-five per cent. of shares or capital or profits of the company;
  - b. "Control" shall include the right to appoint majority of the directors or to control the management or policy decisions Including by virtue of their shareholding or management rights or shareholder's agreements or voting agreements;
2. In case of a partnership firm, the beneficial owner is the natural person(s) who, whether acting alone or together. or through one or more juridical person, has ownership of entitlement to more than fifteen percent of capital or profits of the partnership;
  3. In case of an unincorporated association or body of individuals, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has ownership of or entitlement to more than fifteen percent of the property or capital or profits of such association or body of Individuals;
  4. Where no natural person is Identified under (1) or (2) or (3) above, the beneficial owner is the relevant natural person who holds the position of senior managing official;

5. In case of a trust, the identification of beneficial owner(s) shall Include identification of the author of the trust. the trustee, the beneficiaries with fifteen percent or more interest in the trust



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and any other natural person exercising ultimate effective control over the trust through a chain of control or ownership.

- V. An Agent is a person employed to do any act for another, or to represent another in dealings with third person
- VI. The successful bidder shall not be allowed to sub-contract works to any contractor from a country which shares a land border with India unless such contractor is registered with the Competent Authority.

Note- The above clause shall not be applicable for the bidders from those countries (even if sharing a land order with India) to which the Government of India (GoI) has extended lines of credit or in which the GoI is engaged in development work.

44. 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.

45. Vendors shall submit billing documents for payment directly to BHEL. Payment will be released within days as mentioned below after submission of complete documents:

- i. 90 days for non MSME as per MSMED Act
- ii. 45 days for vendors qualified and registered as Micro and Small Enterprises MSEs as per MSMED Act
- iii. 60 days for vendors qualified as Medium Enterprises as per MSMED Act.

Notes:

- 1. Vendors are required to issue Tax Invoice inclusive of PVC value (if applicable) wherever indices are available. In case PVC indices not available, vendors to submit PVC invoices on availability of applicable indices.
- 2. Any negative PVC, if not adjusted in earlier payments, will be adjusted at the time of remaining payments

46. The evaluation currency for this tender shall be INR. Evaluation will be done on overall L1 (Total Cost to BHEL excluding taxes) basis with necessary loading as applicable

47. HSE Plan Rev-02 for site operations by contractor shall be applicable.

48. "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."

49. Bidders to contact BHEL-PEM (over phone/mail/visit-BHEL-PEM) for any clarification (technical or commercial) at least 10 days before due date of tender opening & get it clarified well before due date so that offers by the bidders may be submitted within due date & time.

50. A bidder shall not have conflict of interest with other bidders. Such conflict of interest can lead to anti-competitive practices to the detriment of Procuring Entity's interests. The bidder found to have a conflict of interest shall be disqualified. A bidder may be considered to have a conflict of interest with one or more parties in this bidding process, if:

- a) they have controlling partner (s) in common; or
- b) they receive or have received any direct or indirect subsidy/ financial stake from any of them; or
- c) they have the same legal representative/agent for purposes of this bid; or
- d) they have relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the bid of another Bidder; or
- e) Bidder participates in more than one bid in this bidding process. Participation by a Bidder in more than one Bid will result in the disqualification of all bids in which the parties are involved. However, this does not limit



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the inclusion of the components/ sub-assembly/ Assemblies from one bidding manufacturer in more than one bid, or

- f) In cases of agents quoting in offshore procurements, on behalf of their principal manufacturers, one agent cannot represent two manufacturers or quote on their behalf in a particular tender enquiry. One manufacturer can also authorize only one agent/dealer. There can be only one bid from the following:
1. The principal manufacturer directly or through one Indian agent on his behalf; and
  2. Indian/foreign agent on behalf of only one principal,'
- or
- g) A Bidder or any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the contract that is the subject of the Bid, or
- h) In case of a holding company having more than one independently manufacturing units, or more than one unit having common business ownership/management, only one unit should quote. Similar restrictions would apply to closely related sister companies. Bidders must proactively declare such sister/ common business/ management units in same/ similar line of business. "

51. The Bidder declares 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

52. **Bidders to note that offers shall be submitted strictly in accordance with the requirements of tender documents. Bidders 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
- Local content certificate in line with Make in India circular.
- Land Border Certificate.
- Credentials as per format.
- Documents required for meeting Technical PQRs
- **Un-price bid, annexure-II (Cost of Withdrawal of Deviation) and Price bid in e-procurement portal.**


53. It shall be the responsibility of the bidder to ensure that the tender is uploaded on or before the due date and time. Late offers are not accepted. Part-I bids shall be opened at 02:00 PM on due date through e-procurement Portal.

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

SUMEET SAHAY  
Manager/ BOP/ PEM Noida

**Enclosures:** - (1) SCC (2) Technical Specifications (3) Technical PQR (4) BOQ (5) Draft format for Make in India certificate (6.) Format for land/ border declaration (7) Cost of withdrawal of deviation(s) as per annexure II of GCC BOP Rev 00.

	<b>3X200 MW NTPC Ramagundam ESP R&amp;M PRE-QUALIFICATION REQUIREMENT- HVAC SYSTEM</b>	DOC NO. PE-PQ-448-571-15000A-A002	
		DATE	11.09.2023
		REV NO.	00

1.0	Supplier should have executed at least one (1) number order consisting of design/got designed, supply, erection and commissioning of Condensing unit/ Package Air Conditioners/Ductable Split Air-Conditioners of minimum 5 TR capacity, which should be successfully commissioned, as on the date of techno-commercial bid opening.
2.0	Bidder shall submit following supporting documents meeting above mentioned pre-qualifying requirement (PQR): Copy of minimum one (1) work commissioning certificate (in English) along with copy of related Purchase Order (PO) or Letter of intent (LOI) or Letter of Award (LOA) or Work Order (WO) in support of PQR clause at S.No.1.0 above.
3.0	Minimum one (1) no. Purchase order shall be submitted which should not be more than seven (7) years old as on date of bid opening, for establishing the continuity in business. This is over and above the requirement of PO mentioned of PQR clause at S. No. 2.0 above.
4.0	Bidder to submit all supporting documents in English. If documents submitted by bidder are in language other than English, a self-attested English translated document should also be submitted.
5.0	Notwithstanding anything stated above, BHEL / NTPC reserves the right to assess the capabilities and capacity of the bidder to perform the contract, should the circumstances warrant such assessment in the overall interest of BHEL / NTPC.
6.0	Consideration of offer shall be subject to customer's approval of bidders, if applicable.
7.0	After satisfactory fulfilment of all the above criteria/ requirement, offer shall be considered for further evaluation as per NIT and all the other terms of the tender.

Note: To enable their approval, bidder should provide all the necessary data such as type, design, make, capacity, duty conditions, date of commissioning/ operation etc.

**BHEL/PEM/PG-III****Special Condition of Contract (SCC) R00****RAMAGUNDAM ESP R&M**

- 1.0 **Project Name** 3X200MW RAMAGUNDAM ESP R&M
- 2.0 **Consignee Address (Ship To)** (To be mentioned in LR/RR/ Consignment Note) Bharat Heavy Electricals Limited A/c Construction Manager,  
C/o AGM (AHP) I/C  
NTPC Ramagundam Super Thermal Power Station  
Ramagundam, Peddapalli, District: Karimnagar  
Pin-505208 (Telangana)
- 3.0 **Consignee Address(Ship To)** (To be mentioned in Supplier's Invoice) Bharat Heavy Electricals Limited A/c Construction Manager,  
C/o AGM (AHP) I/C  
NTPC Ramagundam Super Thermal Power Station  
Ramagundam, Peddapalli, District: Karimnagar  
Pin-505208 (Telangana)
- 4.0 **Buyer's Name (Bill To) to be mentioned in Supplier's Invoice** **For Supply Packages:** (Purchase order by BHEL-PEM):  
BHARAT HEAVY ELECTRICALS LIMITED  
POWER SECTOR - PROJECT ENGINEERING MANAGEMENT  
PPEI BUILDING, PLOT NO. 25, SECTOR-16A,  
NOIDA-201301 (UTTAR PRADESH)  
GSTIN NO. – 09AAACB4146P2ZC  
**For Turnkey Packages:** (LOA by BHEL-PEM, PO by BHEL-PSWR, Ramagundam SITE):  
Bharat Heavy Electricals Limited A/c Construction Manager,  
C/o AGM (AHP) I/C  
NTPC Ramagundam Super Thermal Power Station  
Ramagundam, Peddapalli. District: Karimnagar  
Pin-505208 (Telangana)
- 5.0 **Customer** National Thermal Power Corporation
- 6.0 **Project Consultant** NTPC
- 7.0 **Mode of Dispatch & Project Location Details** **By Rail/Road on Door Delivery and freight Pre-Paid Basis.**  
Ramagundam Rail Way Station , Peddapalli Rail Way Station are the very nearby railway station to National Thermal Power Corporation.
- 8.0 **Clearance for Dispatch of materials** **MDCC will be issued by BHEL. Vendor to provide copy of Inspection Report / test certificates as applicable.**
- 9.0 **Road Permit/ Waybill Required** Yes. Supplier to generate the e-waybill at their end and furnish the scanned copy of e-waybill along with dispatch document to BHEL immediately so that BHEL will generate their invoice. In case of default, supplier shall be held responsible.

Prepared By <i>Hemant</i> 9/10/19	Checked & Reviewed By <i>Sandeep Kumar</i> 9/10/19	Approved By <i>Asim Mishra</i> 10/10/19
Hemant Kr. Kaushik MANAGER/ PG-III	Sandeep Kumar D&M/ PG-III	Asim Mishra AGM & DH/ PG-III

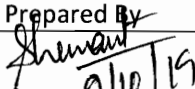
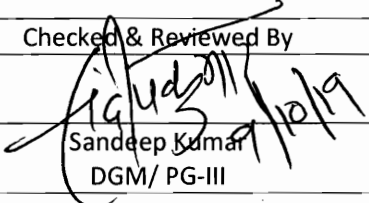
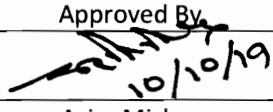
**BHEL/PEM/PG-III**

**Special Condition of Contract (SCC) R00**



**RAMAGUNDAM ESP R&M**

- 10.0 **Prior dispatch intimation to BHEL site Office and Underwriters** **Yes.**  
One set consisting of dispatch documents indicating the items dispatched (with the gross weight) and after informing the underwriter about the value of consignment to be sent to following:  
a) BHEL Site Office  
b) PGIII, BHEL- PEM, PPEI - Noida(U.P)  
c) **INSURANCE COMPANY**  
It is Supplier's responsibility to ensure availability of trucks well in advance where consignment will require more number of trucks to be deployed for dispatch. No concession for non-availability of trucks, after having given dispatch clearance shall be admissible.
- 11.0 **Transit Insurance** **For Supply Packages: Transit Insurance under BHEL scope**
- 12.0 **Insurance details Policy No. Intimation to Underwriters** Policy details and number shall be informed later
- 13.0 (a) **BHEL GSTIN** **BHEL PEM GSTIN NO. – 09AAACB4146P2ZC (For Supply packages)**  
**BHEL PSWR GSTIN No.- To be informed later (For Turnkey packages)**
- (b) **Customer GSTIN** shall be informed later
- 14.0 **Paying Authority** **For packages where PEM will issue the Purchase Order:** BHEL PEM will be the paying authority.  
**For packages where PEM will issue only the LOA and Purchase Order shall be issued by PSWR:** BHEL, BHEL/PSWR will be the paying Authority.
- 15.0 **Documents Required (For Supply )**  
(a) **DIRECT PAYMENT**  
**(Original + 6 copies)**
1. Invoice checklist duly signed & stamped
  2. Invoice
  3. Receipted LR (signed & stamped)/ confirmation from site regarding receipt of packages/ Boxes original/ copy)
  4. Packing List – Clearly showing number of packages, gross weight net weight.
  5. BHEL MDCC
  6. Guarantee Certificate as per GCC.
  7. Copy of Insurance Intimation Letter.
  8. PVC Calculation and copy of all applicable indices, if PVC is applicable.
  9. Declaration by supplier that GST payment has been made on GST portal.  
For packages where PVC is applicable, supplier to submit PVC calculations before invoicing to BHEL for review. For claiming PVC, invoice to be submitted on PO unit rates and PVC to be claimed as separate debit/credit note. The debit/ credit note to be submitted along with the main invoice.
- (b) **For MRC PAYMENT**  
**DIRECT PAYMENT**  
**(Original + 1 copy)**
- a. Invoice.
  - b. Copy of MRC
  - b. Proof of submission of final documents / O&M Manuals (4 CDs + 12 hardcopies)
- NOTE:-**
1. Customer or his representative will be involved for inspection for CHP (Customer Hold Point) items as per Quality Plan. For Non- CHP items as per QP, Inspection to be witnessed by BHEL inspecting agency/ COC (Certificate of Conformance) as applicable.

Prepared By	Checked & Reviewed By	Approved By
 9/10/19	 9/10/19	 10/10/19
Hemant Kr. Kaushik MANAGER/ PG-III	Sandeep Kumar DGM/ PG-III	Asim Mishra AGM & DH/ PG-III

**BHEL/PEM/PG-III****Special Condition of Contract (SCC) R00****RAMAGUNDAM ESP R&M**

2. MDCC will be issued by BHEL in line with approved BBU.
3. The supplier during inspection of materials of Main supplies & Mandatory Spares by BHEL- PEM/BHEL appointed TPIA & NTPC-Inspection agency (if applicable) shall obtain separate MDCC for items of Main Supplies in line with the approved Billing Break Up.
4. It is deemed that complete set of dispatch documents along with necessary TCs will be submitted to BHEL within maximum 7 days after LR date, to ensure timely processing of same and realization of amount at supplier's end. However, complete set of dispatch documents in scanned format must be provided to BHEL over email immediately on the date of supply of material to project site. Any issue arising out from any delay in providing scanned copies of dispatch document to BHEL on the date of supply will be on vendor's account.

16.0 **For FREIGHT PAYMENT (Original +1 copy)**

The payment of freight will be based on actual documentary evidence i.e. Original Money receipt from the transporter subject to the ceiling of amount quoted by bidder in their bid. Vendor to necessarily quote freight separately in their bid. The bidder is also requested to furnish documentary evidence for the "GST paid on Freight" for claiming freight payment. The freight quoted by vendor will be considered for the purpose of evaluation of bid.

17.0 **Unloading at site**

**By BHEL site office for supply packages**

**NOTE:** - Please note that unloading of materials at site shall take at least 3-4 days. As such, transporters to be advised suitably before dispatch of materials in this regard. Also, no claim on a/c of delay in unloading shall be entertained.

18.0 **Storage at site**

**By BHEL site office for supply packages**

19.0 **Movement of Material within Site**

a) By BHEL site for Supply Packages  
No movement of loose materials shall be allowed. Items are to be properly packed to ensure proper and safe transportation & storage at site.

20.0 **Taxes and duties**

GST-CGST/SGST/IGST: Payable extra at actuals as applicable at the time of supply of work. As per GCC (GCC Rev 06 and corrigendum to GCC Rev06 or further revisions of GCC as applicable for the specific tender enquiry)

Information as per Annexure-1 shall be provided by supplier in the GST compliant invoice.

21.0 **Type of Project**

Domestic

22.0 **Inspection Agency (For Domestic Supplies)**

Vendor shall give inspection call on BHEL-CQS web site to applicable inspection agency with a copy of inspection call to BHEL-PEM (PG-III) for arranging Customer participation (if applicable) in inspection / Joint inspection on the proposed date with an advance notice of 15 working days. Inspection charges shall be paid by BHEL-PEM.

24.0 **Dispatch markings**

Each box shall be marked with Capital Letters in "Red" indicating the **PEM SUPPLY (Main Supply/ Commissioning Spares) for NTPC Ramagundam (ESP R&M) THERMAL POWER STATION PROJECT UNIT 1,2,3**

**NOTE:** Main supply item and items for commissioning spares must be packed separately.

Each package delivered under the Contract shall be marked by supplier and such marking must be distinct and in English language (all previous irrelevant markings being carefully obliterated). Such marking shall show

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Hemant Krl Kaushik MANAGER/ PG-III	Sandeep Kumar DGM/ PG-III	Asim Mishra AGM & DH/ PG-III

**BHEL/PEM/PG-III**

**Special Condition of Contract (SCC) R00**



**RAMAGUNDAM ESP R&M**

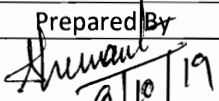
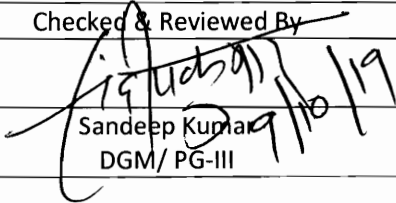
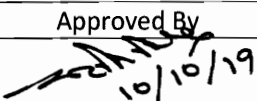
the description and quantity of contents, the name and address of consignee, the Gross weight and Net weight of the package, the name of the Supplier, PEM P.O. reference number, with a distinctive number of mark sufficient for purposes of identification. Besides above necessary, packing shall bear a special marking 'TOP', 'BOTTOM', 'DO NOT TURN OVER', "KEEP DRY", "HANDLE WITH CARE", etc

**IMPORTANT: -**

- Two copies of respective standard manufacturer's erection instruction/operation instruction manual shall be kept in each package / container for immediate reference by BHEL site and same shall be reflected in packing slip also
- The Packing list details for the consignment must be put inside the Box/Boxes.

**Commissioning Spares**

The commissioning spares shall be properly packed separately in separate box and each spare shall be properly tagged giving details i.e. dispatch (to match the description given in the packing slip) to facilitate their proper identification. One Copy of Packing list must be put inside the Box

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**BHEL/PEM/PG-III**  
**Special Condition of Contract (SCC) R00**  
**RAMAGUNDAM ESP R&M**



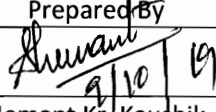
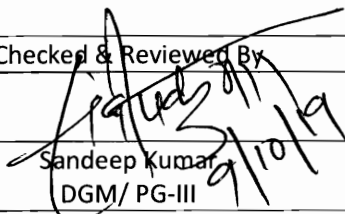
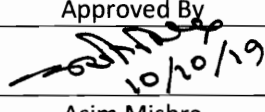
**ANNEXURE- I**


**EXCERPTS FROM CHAPTER VI FOR COMPLIANCE OF GST INVOICE AS PER RULE 46**

Excerpts from Chapter VI for compliance of GST Invoice as per Rule 46  
TAX INVOICE, CREDIT AND DEBIT NOTES

46. Tax invoice.- Subject to rule 54, a tax invoice referred to in section 31 shall be issued by the registered person containing the following particulars, namely,-

- (a) name, address and Goods and Services Tax Identification Number of the supplier;
- (b) a consecutive serial number not exceeding sixteen characters, in one or multiple series, containing alphabets or numerals or special characters- hyphen or dash and slash symbolised as "-" and "/" respectively, and any combination thereof, unique for a financial year;
- (c) date of its issue;
- (d) name, address and Goods and Services Tax Identification Number or Unique Identity Number, if registered, of the recipient;
- (e) name and address of the recipient and the address of delivery, along with the name of the State and its code, if such recipient is un-registered and where the value of the taxable supply is fifty thousand rupees or more;
- (f) name and address of the recipient and the address of delivery, along with the name of the State and its code, if such recipient is un-registered and where the value of the taxable supply is less than fifty thousand rupees and the recipient requests that such details be recorded in the tax invoice;
- (g) Harmonised System of Nomenclature code for goods or services;
- (h) description of goods or services;
- (i) quantity in case of goods and unit or Unique Quantity Code thereof;
- (j) total value of supply of goods or services or both;
- (k) taxable value of the supply of goods or services or both taking into account discount or abatement, if any;
- (l) rate of tax (central tax, State tax, integrated tax, Union territory tax or cess);
- (m) amount of tax charged in respect of taxable goods or services (central tax, State tax, integrated tax, Union territory tax or cess);
- (n) place of supply along with the name of the State, in the case of a supply in the course of inter-State trade or commerce;
- (o) address of delivery where the same is different from the place of supply;
- (p) whether the tax is payable on reverse charge basis; and
- (q) signature or digital signature of the supplier or his authorized representative:

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CLAUSE NO.	ERECTION CONDITIONS OF CONTRACT			
	any other law due to act of omission of the Contractor, the Owner may make such payments and shall recover the same from the Contractor's Bills.			
15.00.00	<b>FACILITIES TO BE PROVIDED BY THE OWNER</b>			
1501.00	<p><b>Space</b></p> <p>The Contractor shall advise the Owner within thirty (30) days from the date of letter of award about his exact requirement of space for his office, storage area, pre-assembly and fabrication areas, etc. The above requirements shall be reviewed by the Owner and the space as decided by Owner will be allotted to the Contractors for construction of his temporary structures/ facilities like offices, storage sheds, pre-assembly and fabrication areas etc. for Contractor's as well as his Sub-Contractor's use.</p> <p>Land for staff and labour colony shall not be provided by the Owner and Contractor has to make his own arrangement for the same at his own cost.</p>			
15.02.00	<p><b>Electricity</b></p> <p>The Contractor shall submit the Owner within thirty (30) days from the date of letter of award about his electrical power requirement, if any, to allow the planning of the same by the Owner. The Contractor shall be provided with free supply of electricity for the purpose of execution of the contract at one point only at work site at 415V voltage level. The Contractor shall make his own further distribution arrangement and shall maintain a minimum drawal power factor of 0.8, and all such devices for maintaining power factor of 0.8 or better shall be under the scope of Contractor. All temporary wiring must comply with local regulations and will be subject to Employer's inspection and approval before connection to supply. Electricity for all other facilities if required by the Contractor shall be on chargeable as per NTPC norms.</p> <p>The free supply of power will not be provided for the use in the labour and staff colony. Power supply for labour and staff colony shall be provided at one point and Contractor shall be charged at rates prevalent at the site.</p>			
15.03.00	<p><b>Water</b></p> <p>Free supply of service water will be made available for construction and drinking purposes at a single point at works site to be decided by the NTPC.</p>			
15.04.00	<p><b>Communication</b></p> <p>The Owner will extend the telephone facilities, if available at Site, for purposes of Contract. The Contractor shall be charged at actuals for such facilities.</p>			
15.05.00	Instrument and service air shall be provided at one point for each ESP near boiler area.			
15.06.00	All tools & tackles including cranes and any other special tools and tackles shall be arranged by the Contractor at his own cost. However, as a backup service, crane may be provided by the Owner at his discretion depending upon the availability on chargeable basis. The contractor shall have no claims, whatsoever in case of non-availability of the construction equipment being provided by NTPC as back up service and the work shall be carried out by the Contractor as per Schedule.			
RAMAGUNDAM SUPER THERMAL POWER STATION STAGE -I (3x200 MW)	BIDDING DOC. NO.: CS-3120-104A(R&M)-2	TECHNICAL SPECIFICATION FOR RENOVATION & RETROFITTING OF ESP	PART - D	Page 9 of 40

**Company Letter head**

Ref: .....

Date: .....

To,  
Bharat Heavy Electricals Limited  
PEM, PPEI Building, Plot No 25,  
Sector -16A, Noida (U.P)-201301

**Subject: - Certification regarding local content**

Reference: Tender Enquiry No-.....

Name of Package: .....

Dear Sir,

We hereby certify that items of ..... (package name) for.....(Project Name) offered by M/s .....(bidder's name) having its works/office at ..... has local content of .....%.

Further, it is also certified that the local content percentage (%) certified above is in line with definition of local content given in point no 2 of Public Procurement (Preference to Make in India), Order 2017-revision, having ref. no. P-45021/2/2017-PP(BE-II) dated 04.06.2020 & 16.09.2020 and M/s ..... qualifies as Class-I/Class-II (strike out whichever is not applicable) local supplier.

Thanking You,

(AUTHORISED SIGNATORY)

**To be given on Letter head of Bidder**

Ref: .....

Date: .....

To,

Bharat Heavy Electricals Limited

PEM, PPEI Building,

Plot No 25, Sector -16A

Noida (U.P)-201301

Reference:

Order no-F6/18/2019-PPD dated 23.07.2020 issued by Ministry of Finance.

Tender Enquiry No-.....

Offer No-.....

Name of Package: .....

Dear Sir,

I have read the clause regarding restriction on procurement from a bidder of a country which shares a land border with India. I hereby certify that Company name, is not from such a country and is eligible to be considered.

Thanking You,

Yours faithfully,

(Company director seal and signature)

# ITEMS SUPPLIED IN EARLIER PURCHASE ORDER BY M/S EFE WORKS, KOLKATA

SL NO	DESCRIPTION	Qty	UNIT	Qty. Supplied
<b>A</b>	<b>VENTILATION SYSTEM</b>			
<b>1</b>	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 and all other accessories (suitable for 415V/3-phase supply). <b>Following fan shall have 30 mmwc static pressure.</b>			
1.1*	<b>Capacity 7,500 CMH with Motor rating 1.5 KW</b>	<b>6</b>	<b>NO*</b>	
a)	Fan with Motor Complete	6	NO*	6
b)	MS rain Protection Cowl with Bird Screen finlter intake louver	6	NO*	6
c)	Supporting bracket with Frame	6	NO*	0
1.2*	<b>Capacity 10,000 CMH with Motor rating 2.2 KW</b>	<b>3</b>	<b>NO*</b>	
a)	Fan with Motor Complete	3	NO*	3
b)	MS rain Protection Cowl with Bird Screen finlter intake louver	3	NO*	3
c)	Supporting bracket with Frame	3	NO*	0
<b>2</b>	Axial flow exhaust fans (Wall mounted) complete with casing,TEFC sq cage induction motor & mounting frame, MS rain protection cowl, bird screen and all other accessories epoxy painted (suitable for 415V/3-phase supply) as specified. <b>Following fan shall have 10 mmwc static pressure.</b>			
2.1*	<b>Capacity 6,000 CMH with Motor rating 0.55 KW</b>	<b>3</b>	<b>NO*</b>	
a)	Fan with Motor	3	NO*	3
b)	MS rain Protection Cowl with Bird Screen	3	NO*	0
c)	Supporting bracket with Frame	3	NO*	3
2.2*	<b>Capacity 4,500 CMH with Motor rating 0.55 KW</b>	<b>6</b>	<b>NO*</b>	
a)	Fan with Motor	6	NO*	6
b)	MS rain Protection Cowl with Bird Screen	6	NO*	0
c)	Supporting bracket with Frame	6	NO*	6
<b>3</b>	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 10 mmwc static pressure.</b>			
3.1*	<b>Capacity 1200 CMH with Motor rating 100 watts</b>	<b>9</b>	<b>NO*</b>	
a)	Fan with Motor Complete	9	NO*	9
b)	Cowl with Bird Screen	9	NO*	0
<b>B</b>	<b>AIR CONDITIONING SYSTEM</b>			
<b>1.1</b>	AIR COOLED PACKAGE AC UNITS consisting of outdoor unit and indoor unit, interconnecting refrigerant piping as per site requirement & fitting with insulation, electrical power cord etc.			
1.1.1	17 TR actual capacity (ductable type, 415 V, 3 phase with isolation switch).	6	NO*	
a)*	17 TR Ductable type package air condationers	6	NO*	4
b)*	Copper pipe for 3 units	80	mts*	80
<b>1.2</b>	<b>MONSOON REHEATING / WINTER HEATING KIT</b> comprising strip heaters, safety controls, air-stat, contactors, frame work, thermostat & humidistat/ sensors etc	3	Lot	3
<b>1.3</b>	<b>Humidifier</b> for each AC areas completed with humidistat safety control make up water piping from make up tank nearest to source of water valves fittings etc	3	Nos	3
<b>1.4</b>	<b>FRESH AIR FANS</b> (axial flow type), complete with motor, inlet cone, air filters (pre and fine), dampers, etc for all the package AC areas	3	LOT	
a)	Fan with Motor	3	Nos	3
b)	Filter and dampers	3	Nos	3
<b>1.5</b>	Acoustic Insulation of the first 5 of ducting from PAC outlet unit with materials and finish as per specification	<b>80</b>	<b>SQM</b>	<b>80</b>
<b>1.7</b>	GSS zinc coating 275 gms/ m <sup>2</sup> finished ducting complete with hangers/ supports etc.			
a)*	<b>18G</b>	<b>0</b>	<b>SQM*</b>	
b)*	<b>20G</b>	<b>0</b>	<b>SQM*</b>	
c)*	<b>22G</b>	<b>0</b>	<b>SQM*</b>	
d)*	<b>24G</b>	<b>216</b>	<b>SQM*</b>	<b>216</b>
e)	Thermal insulation of duct with finish as specified (for Air conditioning System)	<b>216</b>	<b>SQM*</b>	<b>216</b>
<b>1.8</b>	<b>Fire damper</b>			
a)*	Fire damper with auto resetting, limit switches, indication lamps etc.	3.1	SQM*	3.1
b)*	Motorized actuator with single phase power supply for the above fire damper.	6.0	NOS*	6
<b>1.9</b>	<b>MANUAL VOLUME CONTROL DAMPERS</b> in GI construction as per specifications for supply / return ducts complete with fixing arrangement.	3.2	SQM*	3.2
	700x650- 2nos, r400x400 mm-1 for each system			
<b>1.1</b>	<b>Grills / Diffusers</b>			
<b>13.1*</b>	<b>SUPPLY AIR DIFFUSERS / GRILLS</b> with VCD (Extruded Aluminium powder coated ) complete with fixing frames, nuts, bolts, gaskets, washers etc	<b>10.62</b>	<b>SQM*</b>	<b>10.62</b>
	595x595 -10 for each system			
<b>13.2*</b>	<b>RETURN AIR DIFFUSERS / GRILLS</b> without VCD (Extruded Aluminium powder coated) complete with fixing frames, nuts, bolts, gaskets, washers etc	<b>12.74</b>	<b>SQM*</b>	<b>12.74</b>

# ITEMS SUPPLIED IN EARLIER PURCHASE ORDER BY M/S EFE WORKS, KOLKATA

	595x 595 -12 for each system			
I.11	GIU based control System as per specified in specification	3	nos	0
I.12	40 NB GI medium class <b>INSULATED DRAIN WATER PIPING</b> from various equipment like PACs etc upto nearest available drain point with necessary fittings like tees, reducers, expanders, elbows, flanges, valves with flanges, U trap etc as per specifications.	45	Rmt*	0.00
I.13	FIELD INSTRUMENTS like gauges, switches for measuring of air flow switch, pressure switch, level & pan humidity, TH sensor, Temperature gage 25NB gate valves etc.	3	LOT	0.00
a)	Pressure Switch	6	nos	
b)	Air Flow Switch	6	nos	
c)	Gyser stat	3	nos	
d)	Temperature + RH Sensor	3	nos	
e)	Airstat	3	nos	
f)	25NB Gate Valve -3 nos each system	9	nos	
<b>C</b>	<b>Common items for all Air conditioning &amp; Ventilation System for all Units</b>			
a)	415V ACDB, LPBS, LT power cables, LT control cables, screen control cables, LMS, Local starter, conduits etc. for completeness of HVAC system- :			
b)	415V ACDB	3	NO	3.00
c)	<del>Combined Starter panel</del> - Local starter panel (for contactors)	3	NO	3.00
d)	<del>DOL Starter panel</del> - Local Motor Starter	27	NO	27.00
e)	Local Push Button Station (LPBS) (to be added for fresh air fan)			
f)	LT Power Cables	1	LOT	1.00
	<b>LT Power cable required 40 mts per system 3 nos system total cable required 120 mts</b>	120	MT.	120.00
g)	LT Control Cables	1	LOT	1.00
	<b>LT control cable required 25 mts each system 3 nos system required 75 mts</b>	75	MT.	75.00
h)	Instrumentation Cables	1	LOT	1.00
	<b>Instruments cables required 20 mts each system total required 60 mts for 3 system</b>	60	MT.	60.00
i)	Cable tray /trough/Conduits	1	LOT	1.00
	<b>Cable tray - 10 mts x3 nos = 30 mts, conduits 10 mts system total 30 nos for 3 nos system</b>	30	MT.	30.00
j)	Structure Support for Duct, Fan Fixing and other equipments etc.	1	LOT	1.00
	<b>structuer support for duct, fan fixing and others equipments</b>	600	kg	600.00
k)	Total lumpsum price for special tools & tackles for maintenance inclusive of packing forwarding, transportation up to site, etc. (Bidder shall submit item-wise price break-up).	1	LOT	0.00
l)	Total lumpsum price for commissioning spares inclusive of packing forwarding, transportation up to site, etc. (Bidder shall submit item-wise price break-up).	1	LOT	0.00

**NIT REF NO - PE/PG/RER/E-7343/2023 DATED 25.09.2023**

**Main Price Schedule**

<b>NAME OF THE BIDDER</b>	
<b>NAME OF PROJECT:</b>	<b>3X200 MW NTPC Ramagundam ESP R&amp;M</b>
<b>NAME OF PACKAGE:</b>	<b>HVAC FOR R&amp;M</b>
<b>TECHNICAL SPECIFICATION No:</b>	<b>PE-TS-448-571-15000A-A002 (REV-00)</b>

S. No.	DESCRIPTION	UOM	QTY	Supply			
				Total Ex-Works (excluding GST) (INR)	Freight in %	Total Freight	Total Price Including Freight (INR)
1	Total lump sum firm price for Supply part and Mandatory Spares comprising of manufacture, fabrication, assembly, inspection / testing at vendor's & sub-vendor's works, painting, maintenance tools & tackles (as applicable), fill of lubricants & consumables, mandatory spares along with spares for erection, start-up and commissioning as required, forwarding, proper packing, shipment and delivery at site, complete with all accessories for the total scope defined as per BHEL NIT & tender technical specification as specified above, amendment & agreements till placement of order.	Lot	1				
2	<b>MAJOR BREAK-UP OF PRICES GIVEN IN 1.0 ABOVE.</b>						
2.1	Total lump sum firm price inclusive of all prevailing taxes, duties and other levies for Supply part comprising of 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)	Lot	1	₹ -		₹ -	₹ -
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. (Price break up of mandatory spares is to be furnished as per Annexure- II)	Lot	1	₹ -		₹ -	₹ -

Note:

1.) Lumpsum price quoted at Sl.no 1.0 shall be considered for evaluation.

**NIT REF NO - PE/PG/NTK/E-7287/2023 DATED 28.06.2023**

**ANNEXURE - I**

**MAIN SUPPLY**

<b>NAME OF PROJECT:</b>		<b>3X200 MW NTPC Ramagundam ESP R&amp;M</b>			
<b>NAME OF PACKAGE:</b>		<b>HVAC FOR R&amp;M</b>			
<b>TECHNICAL SPECIFICATION No:</b>		<b>PE-TS-448-571-15000A-A002 (REV-00)</b>			
SL NO	ITEM DESCRIPTION	QTY	UOM	Unit Ex-Works Price (INR)	Total Ex-Works Price (INR)
<b>A</b>	<b>AIR CONDITIONING SYSTEM</b>				
1	AIR COOLED PACKAGE AC UNITS consisting of outdoor unit and indoor unit, interconnecting refrigerant piping as per site requirement & fitting with insulation, electrical power cord etc.				
1.1*	15 TR actual capacity (ductable type, 415 V, 3 phase with isolation switch).	2	Nos.*		₹ -
2*	GIU based control System as per specified in specification	3	Nos.*		₹ -
3*	40 NB GI medium class INSULATED DRAIN WATER PIPING from various equipment like PACs etc upto nearest available drain point with necessary fittings like tees, reducers, expanders, elbows, flanges, valves with flanges, U trap etc as per specifications.	40	Rmt*		₹ -
4	FIELD INSTRUMENTS required for local monitoring & control for HVAC System				
4.1*	Differential Pressure Switch	6	Nos.*		₹ -
4.2*	Air Flow Switch	6	Nos.*		₹ -
4.3*	Gyserstat	3	Nos.*		₹ -
4.4*	Temp + RH Sensor	3	Nos.*		₹ -
4.5*	Airstat	3	Nos.*		₹ -
4.6*	25 NB Gate Valve	9	Nos.*		₹ -
<b>B</b>	<b>VENTILATION SYSTEM</b>				
1	<b>Supporting brackets with mounting frame</b> for following wall mounted axial supply fans of 30mmwc static pressure -				
1.1	6 Nos. fans of Capacity 7,500 CMH	1	LOT		₹ -
1.2	3 Nos. fans of Capacity 10,000 CMH	1	LOT		₹ -
2	<b>MS rain protection cowl with bird screen</b> for following wall mounted exhaust fans of 10mmwc static pressure -				
2.1	6 Nos. fans of Capacity 4,500 CMH	1	LOT		₹ -
2.2	3 Nos. fans of Capacity 6,000 CMH	1	LOT		₹ -
3	MS rain protection cowl with bird screen for following wall mounted propeller fan				
3.1	9 Nos. fans of Capacity 1200 CMH	1	LOT		₹ -
<b>C</b>	<b>COMMON ITEMS</b>				
1	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).	1	LOT	₹ -	₹ -
2	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)	1	LOT	₹ -	₹ -
<b>TOTAL PRICE</b>					₹ -
<b>NOTES</b>					
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 and no separate unit rates shall be quoted. Unit rates shall be valid throughout the contract.				
2	Any cell left blank in the unpriced schedule shall be treated as "Quoted" and is included in total price.				
3	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.				

**NIT REF NO - PE/PG/NTK/E-7287/2023 DATED 28.06.2023**

**ANNEXURE - A**

**Maintenance tools & tackles**

<b>NAME OF PROJECT:</b>		<b>3X200 MW NTPC Ramagundam ESP R&amp;M</b>			
<b>NAME OF PACKAGE:</b>		<b>HVAC FOR R&amp;M</b>			
<b>TECHNICAL SPECIFICATION No:</b>		<b>PE-TS-448-571-15000A-A002 (REV-00)</b>			
<b>SL NO</b>	<b>ITEM DESCRIPTION</b>	<b>UOM</b>	<b>QTY</b>	<b>Unit Ex-Works Price (INR)</b>	<b>Total Ex-Works Price (INR)</b>
1	FLAT D WRENCH - 6 MM TO 32 MM (12 Pcs)	SET	1		₹ -
2	BOX WRENCHES - 6 MM TO 22 MM (14 Pcs)	SET	1		₹ -
3	COMPLETE SETS OF RING SPANNER - 6 MM TO 32 MM (12 Pcs)	SET	1		₹ -
4	ALLEN KEYS - 2 MM TO 10 MM	SET	1		₹ -
5	CRESCENT SCREW SPANNER	NO.	1		₹ -
6	ADJUSTABLE SPANNER	NO.	1		₹ -
7	COMPLETE SET OF SCREW DRIVER	SET	1		₹ -
8	OFFSET SCREW DRIVER	NO.	1		₹ -
9	INSULATED PLIER	NO.	1		₹ -
10	GREASE GUN	NO.	1		₹ -
11	OIL GUN	NO.	1		₹ -
12	LINE TESTER	NO.	1		₹ -
13	TORCH LIGHT FOR 2 CELL	NO.	1		₹ -
14	HAMMER 1 LB	NO.	1		₹ -
15	OIL CAN	NO.	1		₹ -
16	POCKET THERMOMETER - 0 TO 50 DEG. C)	NO.	1		₹ -
17	INSULATION TAPE ROLL	NO.	1		₹ -
18	STEEL FOOT RULE - 12"	NO.	1		₹ -
19	FEELER GAUGE 9 BLADES	NO.	1		₹ -
20	PIPE WRENCH	NO.	1		₹ -
21	FLARE NUT (1/4")	NOS.	6		₹ -
22	FLARING TOOL	NO.	1		₹ -
23	TUBE CUTTER	NO.	1		₹ -
24	GAS CHARGING PIPE	NO.	1		₹ -
25	NITROGEN CHARGING ADAPTER	NO.	1		₹ -
26	FREON PRESSURE GAUGE (2 1/2" DIA DIAL ) 0 - 300 MM PSI	NO.	1		₹ -
27	FREON PRESSURE GAUGE (2 1/2" DIA DIAL ) 30 - 150 MM PSI	NO.	1		₹ -
28	PSYCHRO METER	NO.	1		₹ -
29	LOCK WITH KEY FOR TOOL BOX	NO.	1		₹ -
30	RATCHET 1/4"	NO.	1		₹ -
31	MS TOOL BOX	NO.	1		₹ -
<b>TOTAL PRICE</b>					₹ -
<b>NOTES</b>					
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.				
2	SUPPLY OF SPECIAL TOOLS AND TACKLE INCLUDING TOOLBOX REQUIRED FOR OPERATION, MAINTENANCE AND OVERHAULING OF THE SYSTEM IS IN THE SCOPE OF THE BIDDER.				

**NIT REF NO - PE/PG/NTK/E-7287/2023 DATED 28.06.2023**

**ANNEXURE - A**

**Commissioning spares**

<b>NAME OF PROJECT:</b>		3X200 MW NTPC Ramagundam ESP R&M			
<b>NAME OF PACKAGE:</b>		HVAC FOR R&M			
<b>TECHNICAL SPECIFICATION No:</b>		PE-TS-448-571-15000A-A002 (REV-00)			
SL NO	ITEM DESCRIPTION	UOM	QTY	Unit Ex-Works Price (INR)	Total Ex-Works Price (INR)
1	Filters ( each type)	SET	1		₹ -
2	Compressor Oil	LOT	1		₹ -
3	Refrigerant	LOT	1		₹ -
<b>TOTAL PRICE</b>					₹ -
<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.				

**NIT REF NO - PE/PG/NTK/E-7287/2023 DATED 28.06.2023**

**ANNEXURE - II  
Mandatory spares**

<b>NAME OF PROJECT:</b>		<b>3X200 MW NTPC Ramagundam ESP R&amp;M</b>	
<b>NAME OF PACKAGE:</b>		<b>HVAC FOR R&amp;M</b>	
<b>TECHNICAL SPECIFICATION No:</b>		<b>PE-TS-448-571-15000A-A002 (REV-00)</b>	
<b>S. No.</b>	<b>Description</b>	<b>QTY</b>	<b>Total Ex-Works Price (INR)</b>
<b>1</b>	<b>Electrical Actuators</b>		
1.1	Actuators	4 No. of each type, class, size and model whichever is more.	
1.2	Control/Selector Switch	2 Nos. of each type and rating	
1.3	Control fuses	5 Nos. of each type and rating	
1.4	Neutral Link	2 Nos.	
1.5	Vertical Busbar dropper Support Insulator	3 Nos.	
1.6	Power Fuses	12 nos. (equally divided for all ratings)	
1.7	Each Type of Contractor	2 Nos.	
1.8	Indication Lamps	5 Nos.	
1.9	Each type of Push Button	2 Nos.	
1.10	Indicating Lampholders complete	10 nos. (equally divided for all ratings)	
1.11	Terminal Blocks of each type and rating	2 Nos.	
1.12	Horizontal Busbar Support Insulator	2 Nos.	
<b>2</b>	<b>Control Panels</b>		
2.1	Control supply transformer (if any)	1 no. of each type and rating	
2.2	Relays and timers	1 no. of each type and rating	
2.3	Contactors	1 no. of each type and rating	
2.4	LEDs	5 no. of each type and rating	
2.5	Control switches	1 No. Of each type	
2.6	Selector switches	1 No. Of each type	
2.7	Push buttons	2 Nos. of each type and colour	
2.8	Any special meters	1 no. of each type	
<b>3</b>	<b>Control &amp; Instrumentation</b>		
3.1	Process Actuated Switch Devices		
3.1.1	a. Includes all types of Pressure, differential pressure, flow, temperature, level switch Devices.	10% or 1 no. of each type and model whichever is more	
	<b>TOTAL</b>		₹ -
<b>Notes:</b>			
1	Mandatory spares listed in Price Schedule are bare minimum requirement to be supplied by the bidder. 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	Refer SECTION-I, SUB SECTION -E (ANNEXURE-II) of Technical Specification for details of Mandatory Spares.		
2	Wherever "set" is indicated, it shall mean complete replacement for one main equipment of similar size & capacity.		
3	All Spares shall be supplied as per the requirement of the specifications. In case any spare indicated in the specification is "not applicable" for particular equipment, then suitable applicable alternate spare has been offered / shall be supplied by the bidder without any financial implication."		
4	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.		
5	For quantities indicated in percentage, fractions are to be rounded-off to next higher integer.		
6	Any cell left blank in the unpriced schedule shall be treated as "Quoted" and is included in total price.		
7	Bidder to note that even though there may be some spares which are repetitive at various sl.no mentioned above, bidder to ensure that prices are quoted against each sl.no. In case any cell is left blank in the unpriced schedule shall be treated as "quoted" and included in total price.		

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

PROJECT:-							3X200 MW NTPC Ramagundam ESP R&M		
PACKAGE :-							HVAC FOR R&M		
TENDER ENQUIRY :-							PE/PG/RR/E-7343/2023 DATED 25.09.2023		
NAME OF THE BIDDER									
Sl. No.	Volume/Section	Page No.	Clause No.	Technical Specification/Tender Document No	Complete Description of Deviation	CURRENCY	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)
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:**

1. Cost of Withdrawal of deviation will be applicable on the basic price (i.e. excluding taxes, duties & freight) only.
2. All the bidders have to list out all their technical & commercial deviations (if any) in details in the above format.
3. Any deviation not mentioned above and shown separately or found hidden in offer, will not be taken cognizance of.
4. Bidder shall submit duly filled unpriced copy of above format indicating "quoted" in "cost of withdrawal 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.
5. Bidder shall furnish price copy of above format along with price bid.
6. The final decision of acceptance/ rejection of the deviations quoted by the bidder shall be at discretion of the Purchaser.
7. Bidders to note that any deviation (technical/commercial) not listed in above and asked after Part-I opening shall not be considered.
8. 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.
9. Any deviation mentioned in priced copy of this format, but not mentioned in the un-priced copy, shall not be accepted.
10. 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.
11. Cost of withdrawal is to be given separately for each deviation. In no event bidder should club cost of withdrawal of more than one deviation else cost of withdrawal of such deviations which have been clubbed together shall be considered as NIL.
12. In case nature of cost of withdrawal (positive/negative) is not specified it shall be assumed as positive.
13. In case of discrepancy in the nature of impact (positive/ negative), positive will be considered for evaluation and negative for ordering.