

(GLOBAL INVITATION FOR EXPRESSION OF INTEREST)

NTPC Limited

(A Government of India Enterprise)



**INVITATION FOR
EXPRESSION OF INTEREST (EOI)
FOR
IDENTIFICATION OF VENDORS FOR STEAM TURBINE R&M PACKAGE OF
VINDHYACHAL SUPER THERMAL POWER PROJECT U # 1-3 (3X210 MW)**

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[DETAILED NOTICE INVITING EXPRESSION OF INTEREST \(EOI\)](#)

EOI No.: NTPC/PEM/EOI/12/2022

Date: 24.03.2022

NTPC is Inviting an Expression of Interest for Identification of Vendors for “Steam Turbine R&M Package of Vindhyachal Super Thermal Power Project U # 1-3 (3X210 MW)”.

1. NTPC Limited (A Government of India Enterprise) intends to carry out renovation and modernization works for Turbine sets and Auxiliaries in VSTPP Stage-I. In this regard, NTPC Limited invites Expression of Interest (EOI) for Identification of Vendors (Hereinafter called APPLICANT) for “Steam Turbine R&M Package of Vindhyachal Super Thermal Power Project U # 1-3 (3X210 MW)”.

Note: *This EOI is to assess available vendor base for R&M job of Turbine and Auxiliaries. After identifying the APPLICANTS through EOI, their capacity and capability, vendor base shall be prepared.*

2. Brief Scope of Work:

- a. Replacement of existing HP, IP and LP modules of Turbine with new & improved design HP, IP and LP modules, suitable for the existing TG deck foundation. While carrying out the replacement the existing LPT, outer casing shall be retained.
- b. Replacement of existing bearings including generator bearing,
- c. Supply of new Barring gear including associated systems.
- d. Replacement of following Stop valve, control valve assemblies along with their servomotor.
 - (i) Main steam stop valve(s) assemblies
 - (ii) Main Steam control valve(s) assemblies
 - (iii) Reheat stop valve(s) assemblies
 - (iv) Reheat Steam control valve(s) assemblies
 - (v) Main steam and Reheat Steam strainers
- e. New Steam turbine governing and protection system.
- f. Modification of the existing lube oil system.
- g. Separate Control oil system.
- h. New Jacking oil system (if required).
- i. Existing turbine seal steam system with associated piping and GSCs.

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- j. Turbine integral MAL drain valves, at upstream and downstream of Turbine stop and control valve including strainers drain.
- k. Replacement of Existing LP Heaters 2 & 3. Replacement of condenser mounted LPH 1 Tube nest assembly.

3. DOWNLOAD AND TIMELINES FOR SUBMISSION OF EOI

a. Interested APPLICANTs may download the documents of EOI free of cost from www.ntpctender.com & <https://eprocurrentpc.nic.in>

b. **Last date for EOI submission:** 30.04.2022.

c. **Response Validity:** 24 months from Last Date of EOI Submission

4. NTPC encourages submission of EOI in soft copy. For consideration of EOI, APPLICANTs are required to e-mail softcopy, completed in all respect, from its official e- mail ID to below mentioned e-mail IDs. If APPLICANTs also wish to submit hard copy of the EOI, the same can be submitted either in person or by registered/ speed post till the last date of submission of EOI to the following address: -

To: Vishal Chandra Gupta, Sr. Manager (PEM-TG & System)

Email: vishalchandgupta@ntpc.co.in

CC to: pawandwivedi@ntpc.co.in

Project Engineering (Mechanical),

NTPC Limited, SRHQ, NTPC Bhavan, Kavadiguda, Secunderabad-500080

5. NTPC reserves the right to reject or accept any or all applications, cancel/withdraw the EOI process without assigning any reason whatsoever and in such case, APPLICANT shall not have any claim arising out of such action. NTPC bears no responsibility or liability of any kind in reference to the EOI.

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SECTION-I

INFORMATION TO APPLICANT

1. INTRODUCTION

- a) NTPC Limited, a Govt. of India Enterprises, NTPC group produces around 300 billion units of electricity annually through its cluster of gas, coal, hydro and RE based power stations of more than 67 GW capacity spanning across the country.
- b) Stage-I of VSTPP consist of multiple units of 210 MW each which were commissioned between years 1987 to 1991. These units have already completed more than 25 years of running. NTPC intends to extend the life of 03 nos. units for another 15 years by taking up the Renovation & Modernisation works of units of Stage-I at Vindhyachal.
- c) The steam turbines are of LMZ design having original Rated Power output of 210 MW with rated main steam pressure of 130 Kg/cm² and rated main steam & reheat steam temperature of 535 ° C.
- d) The main objectives of Life extension/ R&M work under this package are as below:
 - i. To extend life of the units by 15 years.
 - ii. To improve the turbine cycle heat rate.
 - iii. Modernization/Up gradation of STG Control with state-of-the-art technology.
- e) Based on response in EOI, vendors capacity and capability, vendor base shall be prepared.

2. INTENT OF THE EXPRESSION OF INTEREST (EOI)

This EOI is to identify vendors available in the market who are interested in R&M jobs for Turbine and Auxiliaries of LMZ make at VSTPP St-I.

3. THE APPLICANTS SHOULD NOTE THAT:

- a. Language of the responses to EOI or any query/clarifications/correspondences shall be in English only.
- b. For expression of interest, Application Form and Annexures given in Section-II shall be duly filled and sent to NTPC by the APPLICANT in soft copy.
- c. Applicants should go through Section-I thoroughly before filling and submitting the application form and annexures in Section-II.

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- d. Applicants shall mention the name and contact details of two persons, with complete address, phone number and official email id.
 - e. NTPC Ltd. may, at its sole discretion, ask for additional information/ documents and/ or seek clarifications from the Applicant(s) after the Deadline for submission of response, inter alia, for the purpose of removal of inconsistencies or infirmities in their responses.
4. The applicants from prior reference countries sharing land border with India need to be registered as per Gol order regarding public procurement dated 23.07.2020 for participation in tenders.

5. ENQUIRIES AND CLARIFICATIONS

Any clarifications on the EOI may be sought to the following via email:

To: Vishal Chandra Gupta, Sr. Manager (PEM-TG & System)
Email: vishalchandgupta@ntpc.co.in
CC to: pawandwivedi@ntpc.co.in

6. CORRIGENDUM

At any time before the last date of submission of EOIs, NTPC may, for any reason, whether at its own initiative or in response to a clarification requested by an Applicant, modify the EOI document. The amendment will be posted on the website and will be binding on the Applicants and the Applicant will give due consideration to the same, while they submit their EOIs, and would invariably enclose documents/ information, as required, on account of the amendment, as a part of the EOI. NTPC may, at its discretion, extend the deadline for the submission of EOIs.

7. VALIDITY OF THE RESPONSES

The Applicant shall submit the responses which shall remain valid up to twenty four (24) months after the response Deadline ("Response Validity"). NTPC reserve the right to reject any response, which does not meet the afore mentioned validity requirement.

NTPC may solicit the Applicant's consent for an extension of the period of validity of the application. The request and the response in this regard shall be in writing.

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8. SUBMISSION OF THE RESPONSE TO EOI

The responses to the EOI are to be submitted in soft copy via below e-mail format

To: vishalchandgupta@ntpc.co.in

CC to: pawandwivedi@ntpc.co.in

Ref. Eoi No. NTPC/PEM/EOI/12/2022

Dated: -----

Submitted to:

*Vishal Chandra Gupta,
Sr. Manager (PEM-TG & System)
Project Engineering (Mechanical),
NTPC Limited, SRHQ, NTPC Bhavan,
Kavadiguda, Secunderabad-500080*

Submitted by:

Name, address & contact no. of the Applicant

All the pages of the response should be duly stamped and signed by the authorized signatory.

The responses to the EOI should be submitted within the Deadline as mentioned in this document.

9. Opening of responses to the EOI

The responses to the EOI shall be opened as per the time schedule mentioned in Section-I and will be communicated to the Applicants via e- mail. In the event of any of above dates falling on a day which is not a working day or which is a public holiday, the responses shall be opened on the next working day at the same venue and time

10. COSTS AND EXPENSES TOWARDS RESPONSE TO EOI

The Applicants shall bear all the costs associated with the preparation of the response and participation in discussions and finalization & execution of the documents related with this EOI, regardless of the conduct or outcome of this short-listing/ selection process.

11. CONFIDENTIALITY

The Applicants undertake to hold in confidence this EOI and any document related or pursuant to this EOI and not to disclose the terms and conditions of the transaction contemplated hereby to third parties, except:

- (a) To their professional advisors;

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- (b) To their officers, contractors, employees, agents or representatives, financiers, who need to have access to such information for the proper performance of their activities;
- (c) Disclosures required under applicable Law, without the prior written consent of the other parties of the concerned agreements.

Provided that the Applicant(s) agrees and acknowledges that NTPC may at any time, disclose the terms and conditions of this EOI and any document related or pursuant to this EOI to any person, to the extent stipulated under the applicable Law.

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**SECTION-II
APPLICATION FORM & ANNEXURES**

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Annexure-1

FORMAT FOR COVERING LETTER CUM UNDERTAKING

(The covering letter should be on the Letter Head of the Applicant)

Date: _____

Place: _____

To,

Vishal Chandra Gupta, Sr Manager (PEM-TG & System)
Project Engineering (Mechanical),
NTPC Limited, SRHQ, NTPC Bhavan,
Kavadiguda, Secunderabad-500080

Subject: INVITATION FOR EXPRESSION OF INTEREST FOR IDENTIFICATION OF VENDORS FOR “STEAM TURBINE R&M PACKAGE OF VINDHYACHAL SUPER THERMAL POWER PROJECT St-I (3X210 MW)”.

Ref.: EOI No. NTPC/PEM/EOI/12/2022, dated 24.03.2022

Dear Sir,

We, the undersigned [insert name of the “Applicant”] having read, examined and understood in detail the **(INVITATION FOR EXPRESSION OF INTEREST)**.

We confirm that neither we nor any of our Parent Company/ Affiliate/ Ultimate Parent Company has submitted response other than this response directly or indirectly in response to the aforesaid EOI.

1. We give our unconditional acceptance to the EOI, issued by NTPC, as amended. In token of our acceptance to the EOI, the same have been signed & stamped by us and enclosed to the response. We hereby confirm that the provisions of the EOI shall be binding on us.
2. We have submitted our response strictly as per provisions and formats of the EOI, without any deviations, conditions and without mentioning any assumptions or notes.
3. We hereby unconditionally and irrevocably agree and accept that the decision made by NTPC in respect of any matter regarding or arising out of the EOI shall be binding on us. We hereby expressly waive any and all claims in respect of EOI process. We confirm that there are no litigations or disputes against us, which materially affect our ability to participate or function under the obligations with regard to EOI.

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4. Details of the contact person are furnished as below:
Name:
Designation:
Address:
Contact numbers:
email id:
5. We are enclosing herewith the entire response containing duly signed formats in electronic format sent via email to: ----- as per the EOI for consideration.
6. It is confirmed that our response is consistent with all the requirements of submission as stated in the EOI and subsequent communications from NTPC, if any.
7. The information submitted in our response is complete, strictly as per the requirements stipulated in the EOI and is correct to the best of our knowledge and understanding. We would be solely responsible for any errors or omissions in our response.
8. We confirm that all the terms and conditions of our response are valid for acceptance for a period of twenty four (24) months from the response Deadline.

We remain,

Yours sincerely

(Name, Designation and Signature of Authorized Person)

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Annexure-2

GENERAL INFORMATION TO BE SUBMITTED BY APPLICANT

1. Name of Applicant Company:
2. Legal status of the Applicant Company:
3. Brief description of the Company including details of its business groups/subsidiaries/affiliates:
4. Date of Incorporation:
5. Date of Commencement of Business:
6. Shareholding details:
7. Full address including Telephone nos. / Fax nos.:
 - a. Registered Office:
 - b. Head Office:
 - c. Address for communication:
 - d. Contact Details:
 - e. Office Address in India, if any:
8. Existing commercial facilities – locations, capacity
9. Documents to be enclosed:
Technical Credentials –
 - a) Supporting document for technology ownership for 200/210 MW or higher capacity steam turbines.
Financial Credentials –
 - a) Copies of Audited Financial statements (Annual Reports) for preceding 3 financial years as on the date of EOI submission.
 - i. Average Annual Turnover for preceding 3 financial years.
 - ii. Net worth for the preceding financial year.
 - iii. Paid up Share capital for the preceding financial year.
 - b) Consolidated project values for projects executed in past 10 years.
 - c) Maximum project values for single project executed in past 10 years.
10. Any other documents considered relevant.

(Sign & Company Seal)
Authorized signatory

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Annexure-3

TECHNO-COMMERCIAL INFORMATION TO BE SUBMITTED BY APPLICANT

Essential Information:

1. Capacity and location of projects/contracts installed/ to be installed/ under execution.
2. Customer details and numbers of units installed/ to be installed/ under execution.
3. Brief description on “How the APPLICANT wants to participate in probable tender for “Steam Turbine R&M Package of Vindhyaachal Super Thermal Power Project U # 1-3 (3X210 MW)”.
4. Key details of the Turbines installed/ to be installed/ under execution.

Applicant to furnish following details:

- A) Experience details for New project(s)/ R&M project(s) executed/under execution:

Sl. No.	Item Description	Installation(s) Details
1.0	Description & Name of project	
1.1	Reference Project executed as: (a. <i>New work or</i> , b. <i>R&M</i>)	
1.2	Name of Client with full address, FAX No. and Tel No.	
1.3	Purchase Order/ Contract No./ LOA No. and Date	
1.4	Name of Thermal Power Station & Location	
1.5	Whether aforesaid Thermal Power station is fossil fuel fired	
1.6	No. of unit(s) of Turbine set supplied to the station	
1.7	Make of Turbine	
1.8	Number of cylinders (HP/IP/LP)	
1.9	Module number/description (HP/IP/LP)	

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1.10	Steam Parameters at turbine inlet a. Main steam pressure (kg /cm ² (abs)) b. Main steam Temperature (° C) c. Reheat Steam Temperature (° C)	
1.11	Whether the Turbine Set a) is of Reheat type b) consists of separate HP, IP and LP cylinders	
1.12	Capacity in MW of each unit	
1.13	Whether the scope of work executed for the aforesaid Steam Turbine Set included a) Design b) Engineering c) Manufacturing d) Erection e) Supervising Erection f) Commissioning g) Supervising Commissioning	
1.14	Steam Turbine Set a) Designed by b) Engineered by c) Manufacture by d) Erection by e) Supervision of Erection by f) Commissioning by g) Supervision of Commissioning by	
1.15	Actual Date of commissioning	
1.16	Date of commencement of successful operation	
1.17	Whether Steam Turbine is Tandem Compound or Cross Compound.	
1.18	Whether turbine is directly coupled with Generator	
1.19	Whether work executed under technology collaboration, (yes/no) If Yes, a. Name of Technology collaborator b. Validity of Technology Transfer Agreement (mention Date)	

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	c. Whether Deed of Joint Undertaking (DJU) with Technology collaborator submitted (Yes/No)	
1.20	a. Execution Time (in months): b. Shutdown required (in days) (in R&M work case):	

B) Details regarding applicant's willingness for participation in "Steam Turbine R&M Package of Vindhyachal Super Thermal Power Project U # 1-3 (3X210 MW)":

Sl. No.	Item Description	Details
1.0	Bidding Mode: <i>Please mention</i> i. Turbine Designer & Manufacturer ii. Joint Venture company/Subsidiary company iii. Erection, Procurement & Construction company (EPC) with Technology Collaboration iv. Any other, <i>please specify</i>	
1.1	Whether Applicant/Technology collaborator has R&M experience of LMZ Design Turbines: Yes/No (If Yes , mention reference project details)	
1.2	Make of Turbine offered	
1.3	Number of cylinders (HP/IP/LP)	
1.4	Module number/description (HP/IP/LP)	
1.5	Offered module is Proven: Yes/No (<i>already completed 1-year successful operation, mention reference plant details</i>)	
1.6	Modification envisaged on proven module for module offered: Yes/No	
1.7	Whether the Turbine Set offered a) is of Reheat type (Yes/No)	

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	b) consist of separate HP, IP and LP cylinders (Yes/No) c) is Tandem Compound (Yes/No)	
1.8	Offered Steam Turbine Set will be: a) Designed by b) Engineered by c) Manufactured by d) Erected by e) Erection Supervised by f) Commissioned by g) Commissioning Supervised by	
1.9	Participation with Technology Collaboration, (Yes/No) If Yes, a. Name of Technology collaborator b. Validity of Technology Transfer Agreement (mention Date) c. Whether interested in submission of Deed of Joint Undertaking (DJU) with Technology collaborator (Yes/No), (If No , mention reason).	
1.10	Financial Status of Technology Collaborator: i. Average Annual Turnover for preceding 3 financial years. ii. Net worth for the preceding financial year. iii. Paid up Share capital for the preceding financial year.	

Desirable Information:

1. Details of Engineering/design capabilities.
2. Manufacturing capabilities.
3. Are you eager to take the complete responsibility of R&M package?

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Annexure-4

RESPONSIVENESS/EVALUATION METHODOLOGY

1. Responsiveness check

The responses submitted by Applicants shall be scrutinized to establish the technical and financial requirements for Steam Turbine R&M Package of Vindhyachal Super Thermal Power Project U # 1-3 (3X210 MW). Responses shall be deemed non-responsive for following reasons:

- a. Responses that are incomplete, i.e. not accompanied by any of the applicable formats inter alia covering letter, power of attorney, applicable undertakings, provided in this EOI document;
- b. Responses not accompanied by Essential Information as prescribed in this EOI document;
- c. Responses not signed by authorized signatory and / or stamped in the manner indicated in this EOI;
- d. Material inconsistencies in the information/ documents submitted by the Applicant;
- e. An Applicant submitting more than one response to this EOI either itself or through an affiliate or subsidiary company;
- f. Response validity being less than that required in this EOI document;
- g. Response being conditional in nature;
- h. Response not received by the response Deadline;
- i. Response having Conflict of Interest;
- j. Applicant delaying in submission of additional information or clarifications sought by NTPC, as applicable;

All response to the EOI that shall meet the responsive check requirements set out above in this section of the EOI document shall be considered as responsive. In case of non- submission of relevant details as above, the responses may be considered as “**non-responsive**”, at the sole discretion of NTPC and will not be considered further.