

(GLOBAL INVITATION FOR EXPRESSION OF INTEREST)

NTPC Limited

(A Government of India Enterprise)



Invites

EXPRESSION OF INTEREST (EOI)

For

**exploring the vendor base for Air Cooled Condenser (ACC) for
upcoming 660/800 MW thermal power plants**

DOCUMENTS OF EOI

This EOI document comprises the following sections:

- (i) Section I : EOI Information
- (ii) Section II : Introduction
- (iii) Section III : Instructions to the Applicants
- (iv) Section IV : Consideration of Response
- (v) Section V : Application Form and Annexures

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Section - I

EOI Information

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DETAILED NOTICE INVITING EXPRESSION OF INTEREST (EOI)

EOI No.: NTPC/PEM/EOI/ACC/2023-24

Date: 10.12.2023

NTPC is Inviting an Expression of INTEREST (EOI) for exploring the vendor base for Air Cooled Condenser (ACC) for upcoming 660/800 MW thermal power plants.

1. NTPC Limited (A Government of India Enterprise) intends to **explore the vendor base for Air Cooled Condenser (ACC)** at NTPC power plant in India. In this regard, NTPC Limited invites Expression of Interest (EOI) from any Indian/Global Company. (Hereinafter called **APPLICANT**).

Note: This EOI is to assess prospects of vendor base for Air Cooled Condenser (ACC) for upcoming 660/800 MW thermal power plants based on suitable conditions for ACC. After identifying the APPLICANTS through EOI who are interested in setting up Air Cooled Condenser (ACC) and fulfilling all technical requirements, vendor base shall be prepared.

2. DOWNLOAD AND TIMELINES FOR SUBMISSION OF EOI

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

b. Last date for submission of EOI : 12.01.2024

c. Response Validity : 2 months from Last Date of EOI Submission

3. NTPC encourages submission of EOI in soft copy. For consideration of EOI, APPLICANTS are required to e-mail softcopy of EOI, completed in all respect, through e- mail mentioned hereunder. 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: Apurva Srivastava, Sr. Manager (PEM-TG & System)

Email: apurva@ntpc.co.in

Project Engineering (Mechanical),

NTPC Limited, SRHQ, NTPC Bhavan, Kavadi guda, Secunderabad-500080

4. 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 - II

Introduction

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1. INTRODUCTION

- i. NTPC Limited (www.ntpc.co.in) is a leading power generation company of India. NTPC Limited produces around 400 billion units of electricity annually through its cluster of gas, coal, hydro and RE based power stations of around 74 GW capacity spanning across the country.
- ii. NTPC Limited, in keeping focus on evolving power market, intends to explore the vendor base for Air Cooled Condenser (ACC), who are interested in manufacturing, supply, erection and commissioning of Air-Cooled Condenser (ACC) based on their own design and also interested in manufacturing, supply, erection and commissioning of ACC based on owner's design.
- iii. In air cooled condensers, ambient air is used as cooling medium, thereby reducing the consumptive use of water in thermal generating power plant by about 65 to 70%. Such an alternative is particularly suited for setting a power plant at locations where land and coal are available in abundance, but water is scarce.

ACC is mainly suitable for colder regions, however considering the need of hour, ACC have been the subject of research and development in the recent times in India owing primarily to the emerging challenge due to the scarcity of the water.

- iv. Based on response in EOI, NTPC intends to know the vendor base for Air Cooled Condenser (ACC).

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2. INTENT OF THE EXPRESSION OF INTEREST (EOI)

- i. Thermal power plants require large quantities of water. As the availability of water is becoming scarcer day by day, it is becoming essential that power plants utilize water judiciously. More than 80% of the water requirement is for make-up to the cooling tower.
- ii. Huge quantity of water needs to be circulated for taking away the heat of the steam in the condenser and make up water is added to compensate for evaporation, drift and blow-down. In order to minimize this water requirement, alternate technology of Air-Cooled Condenser is being used in many plants across the world.
- iii. In view of projected thermal capacity addition program, NTPC Limited intends to explore the vendor base for Air Cooled Condenser (ACC).
- iv. The response(s) received in the EOI will be utilized by NTPC for preparation of Vendor base for Air Cooled Condenser (ACC).
- v. The Applicants may express their interest in responding to this EOI with other inputs as indicated in relevant Annexures/formats.

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Section - III

Instructions to the Applicants

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1. The Applicants should note that:

- a. The applicants from prior reference countries sharing land border with India need to be registered as per GoI order regarding public procurement dated 23.07.2020 for participation in tenders.
- b. Language of the responses to EOI or any query/clarifications/correspondences shall be in English only.
- c. For expression of interest, Application Form and Annexures given in Section-V shall be duly filled and sent to NTPC by the APPLICANT in soft copy.
- d. Applicants should go through Section-I and Section-II thoroughly before filling and submitting the application form and annexures in Section-V.
- e. Applicants shall mention the name and contact details of two persons, with complete address, phone number and email id.
- f. 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.
- g. The type of ACC will be single row A- frame type direct Air-Cooled Condenser having SRC tubes.

2. Enquiries and clarifications

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

To: Apurva Srivastava, Sr. Manager (PEM-TG & System)

Email: apurva@ntpc.co.in

Project Engineering (Mechanical),

NTPC Limited, SRHQ, NTPC Bhavan, Kavadi guda, Secunderabad-500080

3. 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.

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4. Preparation of the response to EOI

The application of EOI consists of the following:

- (a) Annexure 1,2, & 3 of Section-V

5. Validity of the responses

The Applicant shall submit the responses which shall remain valid up to two (2) months after the response Deadline ("Response Validity"). NTPC reserve the right to reject any response, which does not meet the aforementioned validity requirement.

NTPC may solicit the Applicant's consent for an extension of the period of validity of the response. The request and the response in this regard shall be in writing. In the event any Applicant refuses to extend its response validity as requested by NTPC, NTPC shall terminate processing of such Applicant's responses. An Applicant accepting NTPC request for validity extension shall not be permitted to modify its response.

6. Submission of the response to EOI

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

To: apurva@ntpc.co.in

Ref. Eoi No. **Dated**

Submitted to:

To: Apurva Srivastava, Sr. Manager (PEM-TG & System)

Email: apurva@ntpc.co.in

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 in whose favour the Power of Attorney is issued.

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

7. Opening of responses to the EOI

The responses to the EOI shall be opened as per the time schedule 15:00 HRS at date as mentioned in this document. 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.

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8. Costs and expenses towards response to EOI

The Applicants shall be responsible for all the costs associated with the preparation of the response and participation in discussions and finalization & execution of the documents related with this EOI, NTPC shall not be responsible in any way for such costs, regardless of the conduct or outcome of this short-listing/ selection process.

9. 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;
- (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.

10. Disclaimer

- (a) This Expression of Interest (EOI) has been prepared by NTPC Ltd. for response from Indian/Global Company for exploring the vendor base for Air Cooled Condenser (ACC).
- (b) In submitting an expressed EOI in response to the EOI, the Applicants certify that it understands, accepts and agrees to the disclaimers on this page. Nothing contained in any other provision of the EOI nor any statements made orally or in writing by any person or party shall have the effect of negating or superseding any of the disclaimers set forth herewith.

Section-IV

Consideration of Response

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RESPONSIVENESS/EVALUATION METHODOLOGY

1. Responsiveness check

The responses submitted by Applicants shall be scrutinized to establish the technical requirement for Air Cooled Condenser (ACC). 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, applicable undertakings, provided in more details at annexure in Section-V;
- b. Responses not accompanied by Essential Information as prescribed in Annexure 3 in Section-V.
- 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 as per Clause 5 of section-III of this EOI;
- 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.

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Section-V

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,

.....

Sub.: (INVITATION FOR EXPRESSION OF INTEREST)

Ref.: Eoi No. _____, dated _____(the “EOI”)

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 are not from a country sharing land border with India.
3. 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.
4. 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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5. Details of the contact person are furnished as below:
Name:
Designation:
Address:
Contact numbers:
email id:
6. We are enclosing herewith the entire response containing duly signed formats in electronic format sent via email to: ----- as per the EOI for consideration.
7. 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.
8. 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.
9. We confirm that all the terms and conditions of our response are valid for acceptance for a period of two (2) months from the response Deadline.
10. We confirm that we have not taken any deviation so as to be deemed “**Non-Responsive**” as stipulated in Section-IV of this EOI.
11. We understand that you are not bound to accept any response you receive.

We remain,

Yours sincerely

(Name, Designation and Signature of Authorized Person in whose name Power of Attorney is issued)

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Annexure-2

INFORMATION TO BE SUBMITTED BY APPLICANT

(Note: Documents in support of meeting the respective requirement shall be submitted by the Applicant.)

1. Name of the Company:
2. Legal status of the Company:
3. Brief description of the Company including details of its business groups/subsidiaries/ affiliates:
4. Existing design/ manufacturing facilities – Locations (Country name), Capacity
5. Date of Incorporation:
6. Date of Commencement of Business:
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. Documents to be enclosed:

Credentials – Relevant Product/System catalogues, Experience /Reference List, Copies of Customer Certificates, collaborations/tie-ups with designers and manufacturers (as applicable), Supporting document for technology ownership (as applicable), details of manufacturing facility including location and country name, quality accreditations, etc.

9. Any other documents considered relevant.

(Sign & Company Seal)
Authorized signatory

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Annexure-3

INFORMATION TO BE SUBMITTED BY APPLICANT SEPARATELY FOR 660 MW AND 800 MW UNIT SIZES

Essential Information:

1. Whether any Air-Cooled Condenser (ACC) has been supplied/ to be supplied for Steam Turbine Generator unit, if Yes attach the details as per table below:

Project Name	
Project Location	
Steam Turbine Unit Rating (MW)	
Type of ACC (Direct/Indirect)	
Number of Fans modules	
Type of Fin tube used (Flat Tube) Yes/No	
Number of ACC Streets	
Design condenser pressure (mmHg) and achieved condenser pressure (mmHg).	
Design ambient temperature (Deg.c)	
ITD	
Year of commissioning	
Designed by	
Engineered by	
Manufactured by	
Erection/supervised erection by	
Commissioning/supervised commissioning by	

2. a. If the applicant wants to participate with capabilities as designer, manufacturer, along with erection/supervision of erection and commissioning/supervision of commissioning capabilities of ACC (Yes/No)

b. If the applicant wants to participate with capabilities as manufacturer based on design provided by owner or through any collaborator, along with erection/supervision of erection and commissioning/supervision of commissioning capabilities of ACC (Yes/No)

c. Interested in (a) and (b) both as mentioned above.