

(INVITATION FOR EXPRESSION OF INTEREST)

NTPC Limited

(A Government of India Enterprise)



INVITATION FOR EXPRESSION OF INTEREST (EOI)

FOR

**IDENTIFICATION OF DOMESTIC/INTERNATIONAL VENDORS FOR DRY BOTTOM
ASH CONVEYING SYSTEM FOR THERMAL POWER PLANTS**

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DETAILED NOTICE INVITING EXPRESSION OF INTEREST (EOI)

EOI No.: NTPC/PEM/EOI/DBA/2025

Date:

NTPC is Inviting an Expression of Interest for “identification of domestic/international vendors for dry bottom ash conveying system for thermal power plants ”.

1.0 Objective:

- (i) NTPC Ltd., invites Expression of Interest from Companies in India or abroad for Setting up of dry bottom ash conveying system in thermal power plants. ***This EOI is to identify interested domestic/international vendors for design & engineering, supply, erection and commissioning at NTPC for System/equipment(s) (mentioned at Annexure-A along with minimum eligibility criteria) for coal/lignite based thermal power plants.***
- (ii) Based on EOI response, NTPC will prepare a database of such domestic / international vendors and may explore the possibility of design, engineering, supply, erection and commissioning for the identified equipment(s) at NTPC. The Purpose of EOI is to identify the Domestic/International Vendor(s) for Dry Bottom Ash Conveying system/equipment(s) for the upcoming NTPC tenders (for approx.15000 MW thermal power plant).
- (iii) Design, engineering, supply, erection and commissioning of identified equipment shall be considered successful based on minimum one-year successful operation of the equipment and meeting the rated parameters as well as guarantees, as applicable.
- (iv) As per NTPC decision regarding this design, engineering, supply, erection and commissioning based on EOI response, detailed discussion may be done with such applicants for ascertaining technical and commercial terms and condition.

2.0 DOWNLOAD AND TIMELINES FOR SUBMISSION OF EOI

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

2. **Last date for EOI submission: 12.03.2025**

3.0 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

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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: Manager (PE-Mech/MH System)

Email: *amanshrivastava@ntpc.co.in*

CC to: *manishkumar02@ntpc.co.in*

Project Engineering (Mechanical/MH System),

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

- 4.0** 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. NTPC Limited, a Govt. of India Enterprises, NTPC group produces around 400 billion units of electricity annually through its cluster of gas, coal, hydro and RE based power stations of more than 77 GW capacity spanning across the country.

2. INTENT OF THE EXPRESSION OF INTEREST (EOI)

This EOI is to identify interested domestic/international vendors (on its own or in collaboration) in India or abroad to partner with NTPC / prospective Ash Handling System supplier for collaborating for Dry Bottom ash conveying system in upcoming tenders of NTPC. The company (on its own or in collaboration) should have proven experience in Design, Engineering, Supply, Erection and Commissioning of such system in India or abroad and the technology should be commercially proven. The minimum eligibility criteria for participation in the tender is mentioned at Annexure-A of this document.

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, annexures and schedules in Section-II.
- 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.
- f. Based on EOI response, NTPC will prepare a database of such domestic/international vendors and may explore the possibility of design, engineering, supply, erection and commissioning for the identified equipment(s) at NTPC.
- g. This EOI is indicative only and non-committal.

4. ENQUIRIES AND CLARIFICATIONS

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

To: Manager (PE-Mech/MH System)
Email: amanshrivastava@ntpc.co.in
CC to: manishkumar02@ntpc.co.in

5. 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.

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: amanshrivastava@ntpc.co.in
CC to: manishkumar02@ntpc.co.in

Ref. EOI No. **NTPC/PEM/EOI/DBA/2025**

Dated:

Submitted to:

Manager (PE-Mech/MH System)
*Project Engineering (Mechanical),
NTPC Limited, SRHQ, NTPC Bhavan,
Kavadiiguda, 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.

7. COSTS AND EXPENSES TOWARDS RESPONSE TO EOI

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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 process.

8. 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.

xxxx

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SECTION-II
APPLICATION FORM, ANNEXURES & SCHEDULES

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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,

Manager (PE-Mech/MH System)
Project Engineering (Mechanical),
NTPC Limited, SRHQ, NTPC Bhavan,
Kavadi guda, Secunderabad-500080

**Subject: IDENTIFICATION OF DOMESTIC/INTERNATIONAL VENDORS FOR DRY
BOTTOM ASH CONVEYING SYSTEM FOR THERMAL POWER PLANTS.**

Ref.: EOI No. NTPC/PEM/EOI/DBA/2025,

dated.....

Dear Sir,

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

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:

We are enclosing herewith the entire response containing duly signed formats in electronic format sent *via email to amanshrivastava@ntpc.co.in*
CC to: manishkumar02@ntpc.co.in as per the EOI for consideration.

5. 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.
6. 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.

We remain,

Yours sincerely

(Name, Designation and Signature of Authorized Person)

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Annexure-A		
Sl. No	Equipment Description	Minimum Eligibility Criteria
1	Dry Bottom Ash conveying system	<p>The vendor should be a supplier of dry bottom ash conveying system (on its own or in collaboration with dry bottom ash conveying system designer & manufacturer) and should have executed dry bottom ash conveying system involving design, engineering, manufacturing/got manufactured, supply, erection /supervised erection and commissioning/ supervised commissioning for dry bottom ash conveying system comprising of mechanical conveying–designed for coal/lignite fired boilers.</p> <p>The systems mentioned above should have been successfully commissioned in at least one (1) plant prior to the closing date of Expression Of Interest (EOI).</p>
Note: Vendor has to share details of executed system as in Schedule-3		

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Annexure-2

GENERAL INFORMATION TO BE SUBMITTED BY APPLICANT FOR DESIGN, ENGINEERING, SUPPLY, ERECTION AND COMMISSIONING FOR IDENTIFIED SYSTEM/EQUIPMENT(S)

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 Manufacturing facilities – locations, capacity, Complete address
9. Documents to be enclosed:

Technical Credentials –

- a) Supporting document for technology ownership for the proposed equipment,.
- b) Details of Intellectual Property Rights (IPR) held, patent filed/held, and MOU/agreement signed

Financial Credentials –

- a) Copies of Audited Financial statements (Annual Reports) for preceding five(5) financial years as on the date of EOI submission.
 - i. Average Annual Turnover for preceding five(5) financial years.
 - ii. Net worth for the preceding financial year.
 - iii. Paid up Share capital for the preceding financial year.
10. We confirm that we are interested in design, engineering, supply, erection and commissioning of system/equipment(s) (indicated at Annexure-A) similar to proven equipment(s).
11. We agree that design, engineering, supply, erection and commissioning-of equipment shall be considered successful based on minimum one-year successful operation of equipment and meeting the rated parameters as well as guarantees, as applicable. We also agree that successful operation definition and the operation parameters required to establish the performance shall be as stipulated by NTPC for respective equipment(s).

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12. We confirm that design, engineering, supply, erection and commissioning— of system/equipment will follow Specification requirements and Codes and Standard as specified.

(Sign & Company Seal)
Authorized signatory

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Annexure-3

ESSENTIAL INFORMATION TO BE SUBMITTED BY APPLICANT FOR SYSTEM/EQUIPMENT MENTIONED AT ANNEXURE-A

Essential Information:

1	System/Equipment description and type	
2	Detail of technical basis for dry bottom ash conveying system without any collaboration, any experience of similar system/equipment etc.	
3	Manufacturing set up details, Annual capacity, Complete Manufacturing and bought item plan for equipment	
4	Quality checks adopted	
5	Equipment Rating	
	i) Details of all ratings for which applicant is interested in setting up manufacturing facilities/already have manufacturing facilities to be furnished ii) Rating upto which the equipment being manufactured iii) Reason for not going for higher rating manufacturing	
4	Design capabilities	
5	Engineering capabilities	
7	Local content	
8	i) Past experience/references where this equipment is supplied ii) Performance feedback	
9	Type testing facilities available or not	
11	Performance testing facilities available or not	
12	Spare support List of mandatory spares to be maintained	
13	If applicant is already NTPC approved vendor	
14	If applicant is approved by EPC/BoP/QAHPM vendors (Please mention name)	
15	Enclose the details of Domestic/International supply orders executed, if any	
16	Enclose the details of Export Supply Orders, if any,	
17	Details of National/International certification/accreditation, if any.	
18	Any other relevant information	
19	Details of the system/equipment for which applicant is interested in design, engineering, supply, erection and commissioning-	
a.	Equipment Size	
b.	Equipment Type	
c.	Equipment Rating	
d.	Cost and Schedule	
e.	Production Capacity	
f.	Design Development	
g.	Development of manufacturing Process	
h.	Development of Manufacturing Drawing	

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i.	Tests to be carried out for sourcing of Raw material	
j.	Development of shop test facilities	
k.	Lead time for manufacturing facilities set-up	
l.	Work/time Schedule for supply, erection and commissioning	
m.	Guarantees for performance, specific period of running hours and warranty of the product	

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SCHEDULES

**(SCHEDULES ARE TO BE FILLED UP AND SUBMITTED IN MS WORD
FORMAT. ALL CREDENTIALS/SUPPORTING DOCUMENTS RELEVANT TO THE
SCHEDULES ARE TO BE SUBMITTED PREFERABLY IN SINGLE PDF FILE)**

(All the documents are to be submitted on Company's Letter Head)

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(To be submitted on Company's Letter Head)

Schedule – 1

(Company Profile and Organization Structure)

Name of the Company:

Registered Address:

Contact Person & Designation:

Postal address for communication:

Telephone No.:

Fax No.:

E-mail address:

Document regarding Organization Structure and Ownership are enclosed.

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(To be submitted on Company's Letter Head)

Schedule – 2

**(TURNOVER OF THE COMPANY IN THE LAST FIVE FINANCIAL YEARS AND
NETWORTH OF THE COMPANY)**

A) We confirm that annual turnover of M/s..... **[Applicant]** for the preceding five financial years is indicated below:-

Sl. No.	Financial Year	Turnover amount (In Foreign Currency)	Turnover amount (In Million Rs.)
1.	24-25		
2.	23-24		
3.	22-23		
4.	21-22		
5.	20-21		
6.	19-20		

B) We confirm that Networth of M/s.....**[Applicant]** for the preceding five financial years is indicated below:-

Sl. No.	Financial Year	Networth (In Foreign Currency)	Networth (In Million Rs.)
1.	24-25		
2.	23-24		
3.	22-23		
4.	21-22		
5.	20-21		
6.	19-20		

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We have enclosed Balance Sheets and Profit & Loss account duly certified by Chartered Accountant

A) We hereby confirm that net worth of M/s ----- (Applicant) as on the last day of the preceding financial year on the date of publication of the EOI is given below:-

Sl. No.	Description	As on last day of the preceding financial year
1.	Paid-up Share Capital	
2.	Net worth	
3.	% age of Net worth to paid-up Share Capital	

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Schedule – 3

I. Relevant experience in Dry Bottom Ash conveying system

Sl. No	Name of the project	Capacity [TPH]	Location	Date of award of project	Completion /Commissioning date of the project	Scope of the project	Attach Client certificates
						As per following scope description sheet	
						--do--	
						--do--	

II. Scope description sheet

Name of the project [At least two different project at two different location]			
S.No.	Scope	Whether Yes/ No	Attach documents in support of the claim
1	Design		
2	Engineering		
3	a) Manufacturing		
	b) Got Manufactured		
4	a) Supply /		

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	b) Got supplied		
5	a) Erection /		
	b) Supervised erection		
6	a) Commissioning		
	b) supervised commissioning		
7	Performance guarantee test	Date of PG test	
8	Material handled	Coal/ lignite bottom ash	
9	Operation of plant	Yes / No (With Years of experience)	
10	Maintenance of plant	Yes / No (With Years of experience)	
11	Auxiliary Power consumption	Conveyor:_____kW Primary Crusher:_____kW (if in scope) Secondary Crusher:_____kW (if in scope) Other conveying system (bucket elevator if in scope):_____kW	
12	Consumables	Water – m3/hr Other consumables if any	
13	Total area of the plant	Foot print area of bottom ash hopper- _____m ²	
14	Contact detail of customer	Name: Address: Email: Phone Number: Website address:	

III. Client certificates or any other certificates

All relevant certificates or documents shall be submitted in pdf. file format.

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Schedule – 4

System description and Plant layout

Sl. No .	Name of Power Plant with location	No. of Units with MW Capacity in which system installed	Design capacity of conveyor and crusher (TPH) referred by client (Documentary evidence attached)	Ash conveying capacity (TPH)	Type of mechanical conveyor provided	Name of Manufacturer (Experience list enclosed)	Date of Commissioning and No. of years in successful operation	Remarks

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Schedule - 5

Budgetary offer for Setting up of 140 TPH Dry Bottom Ash Conveying

Brief Scope : 140 TPH Dry Bottom Ash Conveying system i.e Dry bottom ash hopper, Jaw crusher with hydraulic actuators, primary conveyor with tensioning arrangement, grizzly(if any), Drive arrangement, air control arrangement etc.

SI No	Description of Item/ System	Total Cost (in foreign currency)	Total Cost (in Indian currency)
1*	Design, Engineering and Supply of equipment's as per the technical information		
2	Type Test Charges		
3	Mandatory Spares		
4	Freight & Insurance		
5**	Structural & Civil		
6	Erection & Commissioning		
7	Safety		
8	Sub-Total		
9	BCD (Basic Custom Duty), if applicable		
10	GST		
11	Grand Total		

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Schedule - 6

Time schedule for Setting up of Dry Bottom Ash conveying system

S. No.	Activities/Milestone * (This is general milestone as per NTPC understanding which can be modified as per applicability)	Period in months	
		Start	Finish
1.	Detailed Engineering & Approval		
2.	Foundation and Civil works		
3.	Delivery of main equipment		
4.	Installation of main equipment		
5.	Other Misc. Civil works		
6.	Commissioning		
7.	Trial Run		
8.	Completion of facilities		
9.	Any other activity		

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Schedule – 7

Additional Information relevant to the work / assignment to be enclosed:

1. Demonstration of benefits over conventional wet bottom ash handling system
 - a. Water Saving
 - b. Aux Power Consumption
 - c. Boiler efficiency
 - d. Reduction in Unburnt Carbon
 - e. Any other observation
2. Heat balance diagram of executed system.
3. Power & tension calculation of executed system.
4. Flow diagram
5. General arrangement drawing of dry bottom ash conveyer.
6. Particle size after crusher if crushing system is also provided.
7. Details of tie-up with Indian ash handling suppliers
8. Suggestions for enhancing participation
9. Any other information