

BHARAT HEAVY ELECTRICALS LIMITED
(A Government of India undertaking)
Heavy Power Equipment Plant (HPEP),
Hyderabad – 502032, INDIA

**Notice Inviting EXPRESSION OF INTEREST (EOI) for Empanelment of vendors
for Supply of Ceramic-lined items for Coal Mill application.**

NIT Notification Number: GT/Ceramic-Lined/2025/01

LETTER OF INVITATION

Heavy Power Equipment Plant (HPEP), Bharat Heavy Electricals Limited (BHEL), Ramachandrapuram (India), invites Expression Of Interest proposals from prospective Indian manufacturers to be empaneled with BHEL, for Supply of ceramic-lined items for Coal Mill application.

The EOI includes the following documents:

Section 1 - Disclaimer

Section 2 - Schedule of EOI process and contact details

Section 3 –Details of EOI

Section 4 – Pre-Qualification Criteria

Section 5 – Details of documents to be submitted along with EOI proposal

Annexure-1 - Indicative Weights and Dimensions of Ceramic-lined items

Interested agencies shall submit their proposal along with a covering letter and supporting documents/ information as per Section-5 in soft copies addressed to the email IDs indicated in the contact details (Section-2: B) on or before the due date of Submission.

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4	SECTION – 4	PRE-QUALIFICATION CRITERIA.
5	SECTION – 5	DETAILS OF DOCUMENTS TO BE SUBMITTED ALONG WITH EOI
6	ANNEXURE-1	INDICATED WEIGHTS AND DIMENSIONS OF CERAMIC-LINED ITEMS
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SECTION-1

DISCLAIMER

1. The information contained in this Expression of Interest (EOI) document is provided to the Applicant(s), by or on behalf of Bharat Heavy Electricals Limited (BHEL) or any of its employees or advisors, on the terms and conditions set out in this EOI document and all other terms and conditions subject to which such information is provided.
2. The purpose of this EOI document is to provide the Applicant(s) with information to assist the formulation of their Proposals. This EOI document does not purport to contain all the information each Applicant may require. This EOI document may not be appropriate for all persons, and it is not possible for BHEL, its employees or advisors to consider the business/investment objectives, financial situation and particular needs of each Applicant who reads or uses this EOI document. Each Applicant should conduct their own investigations and analysis and should check the accuracy, reliability and completeness of the information in this EOI document and wherever necessary obtain independent advice from appropriate sources.
3. BHEL, its employees or advisors make no representation or warranty and shall incur no liability under any law, statute, rules or regulations as to the accuracy, reliability or completeness of the EOI document.
4. BHEL, in its absolute discretion, but without being under any obligation to do so, may modify, amend or supplement the information in this EOI document.
5. An applicant means a Business Entity or Proprietor firm that has sufficient experience in accordance with the Conditions of Eligibility as detailed in this EOI.
6. The issue of this EOI does not imply that BHEL is bound to select and shortlist Applicants to enter into tie-up agreements.
7. The respondent shall bear all costs associated with the preparation, technical discussion/presentation and submission of the proposal against this EOI. BHEL, in no case, shall be responsible or liable for these costs regardless of the conduct or outcome of the EOI process.
8. Canvassing in any form by the respondent or by any other agency on their behalf may lead to the disqualification of their EOI.

SECTION-2

SCHEDULE OF EOI PROCESS & CONTACT DETAILS

A. SCHEDULE OF EOI PROCESS

The schedule of events during the Bidding Process shall be as follows -

Sl. No.	Event Description	Date
1	Issue of EOI document	16.08.2025
2	Due date for raising Pre-bid queries on EOI specification	30.08.2025
3	Due date for Submission of EOI proposal	15.09.2025

B. CONTACT DETAILS:

All the correspondences and Proposal for Expression of Interest shall be addressed to the following officials:

To:

Additional General Manager (GT Engg & Tech)
Heavy Power Equipment Plant,
Bharat Heavy Electricals Limited (BHEL),
Ramachandrapuram 502032
Tel: +91-40- 2318- 5494
Mobile: +91 9490191577
E-Mail: technicalbid_hyd@bhel.in

SECTION – 3

DETAILS OF EXPRESSION OF INTREST (EOI)

3.1 ABOUT BHEL

Bharat Heavy Electricals Limited (BHEL) (www.bhel.com), having its registered office at “BHEL House, Siri Fort, New Delhi – 110049 (India)”, is a Government of India Undertaking, established in 1964. BHEL is an integrated power plant equipment manufacturer and one of the largest Engineering and Manufacturing companies of its kind in India. The company is engaged in the Design, Engineering, Manufacturing, Construction, Testing, Commissioning and servicing of a wide range of products and services for core sectors of the economy, viz. Power, Transmission, Industry, Transportation (Railways), Renewable Energy, Oil & Gas, Water and Defence with over 180 products offerings to meet the needs of these sectors. BHEL has been the bedrock of India's Heavy Electrical Equipment industry.

BHEL has a widespread network of 17 Manufacturing Divisions, 2 Repair Units, 4 Regional Offices, 8 Service Centres, 6 Overseas Offices, 6 Joint Ventures, 15 Regional Marketing Centres and current project execution at more than 150 project sites across India and abroad corroborates the humungous scale and size of its operations.

Adding to its achievements, BHEL has joined the elite club of select global giants having an installed base of over 170 GW of power-generating equipment globally. BHEL also has a widespread overseas footprint in 78 countries with cumulative overseas installed capacity of BHEL manufactured power plants nearing 10,000 MW.

BHEL has technology tie-ups with leading companies in the world including General Electric Vernova, Siemens AG and Mitsubishi Heavy Industries Ltd., supported by technology developments in its own R&D centres. The quality & reliability of BHEL products at par with other Global players and adheres to international standards.

3.2 Heavy Power Equipment plant, HPEP, Hyderabad

HPEP, BHEL Hyderabad, manufactures multiple models of Bowl Mills (Pulveriser) for all sub & supercritical thermal power plant applications. Pulverisers are one of the major auxiliaries in a coal fired thermal power station. These pulverisers grind raw coal to the desired fineness that can be fed and directly fired in the furnace of the steam generator.

Bowl Mill has long been the most preferred pulveriser design due to low initial cost, low maintenance cost, low power consumption, easy maintenance, wide range output, quiet operation. It also has the capability of removing tramp iron.

Ceramic-lined parts are extensively used in the bowl mills for better wear resistance when in contact with the abrasiveness of raw coal. These parts are integral to the bowl mill pulverising system. **Ceramic-lined items include valve outlets, valve adapters and valve outlet spools. The casings of valve outlets, adopters and spools are made of Mild steel (IS 2032 GrB/SA36) castings. Ceramic tiles are lined on the Internal side of these MS casings.**

3.3 Objective of EOI:

BHEL is presently seeking an expression of interest from Indian vendors for the supply of Ceramic-Lined Items for Coal Mill applications.

The objective of this EOI is to shortlist Indian industries and empanel them as vendors in BHEL material directory through trial orders for future supply requirements of ceramic-lined items. The scope of work has been broadly defined in Section-4.

3.4 Process of empanelling:

- i. Prospective "Ceramic-Lined items suppliers", who are meeting the Pre-Qualification Criteria (PQC) as per Section- 4 shall submit their proposal in response to this **EOI** for supply of Ceramic-Lined Items for Coal Mill applications.

Note: Vendors can submit proposals for all the Ceramic Lined Items for Coal Mill applications or any one of the Ceramic lined items listed in Annexure#1 (Based on their manufacturing capability).

- ii. Vendors shall furnish all the duly filled-in formats/ information/ documents/ credentials etc as per PQC checklist (Page#8) and details requested in section-5 (page#9).
- iii. BHEL shall intimate the shortlisted vendor(s) for further discussions, presentations etc. on their proposals.
- iv. The selected agencies shall be empanelled with BHEL through a trial order and First Piece Qualification (FPQ) as a qualified supplier for Ceramic Lined Items.
- v. Subsequent to empanelment, based on requirements, BHEL shall float a formal purchase enquiry along with the Tender/ Project specific requirement/scope of work/ purchase terms & conditions etc. The finalisation of the successful bidder will be as per BHEL's procurement policies and the Purchase Order will be placed accordingly.
- vi. No drawings or specifications shall be provided to the vendors at this stage of EOI. Technical specifications and related documents shall be provided to the shortlisted vendors at the time of sending a formal enquiry/Rfq for trial orders.
- vii. BHEL typically requires around 200 nos of these Ceramic-lined items (different variants) annually.
- viii. This Expression of Interest (EOI) is not an agreement and is not an offer or invitation to enter into an agreement/ tie-up/MOU of any kind with any party by BHEL.

4.0 Pre-qualification criteria

The following qualification criteria is to be met by the respondents of this EOI:

- Prior experience in manufacturing and supply of ceramic-lined items for Coal Mill applications of similar size from the proposed manufacturing plant.
- In-house facilities for ceramic lining of valve outlets, valve adapters and valve outlet spools. The casings of valve outlets, adapters and spools are made of Mild steel (IS 2032 GrB/SA36) castings that may be outsourced from BHEL approved sub vendors. However, manufacture and lining the ceramic tiles on the Internal side of these MS casing has to be carried out in-house.

NOTE: Vendors who are already registered with BHEL Hyderabad and have supplied any one of the Ceramic lined items need not apply.

First Piece Qualification Requirements

Vendors who are short-listed / Registered by this EOI process will be considered for a trial order to prove their capabilities in making the required supplies to BHEL. During the fulfilment of the trial order, the vendor will have to carry out the first piece qualification, requiring destructive testing as per BHEL's qualification requirements.

Pre-qualification criteria checklist		EOI for Supply of Ceramic Lined Items for HP1103 and HP1203 Coal Mill applications		
Sl no	Item description	Documentary evidence	Vendor confirmation (Yes/NO)	Remarks
1	Vendors shall be active manufacturers of Ceramic Lined Items for Coal Mill at least for last 2 years.	Submit unpriced PO copies and quality and inspection documents as proof of documents		
2	Vendor shall submit turnover details for last 3 years which shall be used for assessing vendor's current financial status.	D&B report /Auditors Report of Balance sheet, Profit & Loss for last 3 years		
3	Manufacturing, assembly and inspection Facilities	List of facilities with their photographs (self-certified)		
4	Technically qualified vendors will be shortlisted for sending a detailed enquiry with NIT terms and conditions, along with detailed specifications and drawings for "Ceramic Lined Items for Coal Mill applications" after entering into a Non-disclosure agreement (NDA) with BHEL.	Confirmation		
5	Documents to be submitted i. Brief profile of the organization ii. Product profile iii. Proven track record – List of customers to whom Ceramic Lined Items were supplied earlier, along with unpriced PO copies. iv. Technical documentation – List of facilities, D&B reports/Auditors reports v. Manpower resources vi. Quality system	Confirmation		
6	If any information given by the bidder is found to be incorrect at a later stage, BHEL reserves the right to reject the bid submitted by the bidder / cancel the award of the order.			
Company Seal:		Authorised Signatory		
		Name & Designation:		

5.0 Documents to be submitted

A. List of documents to be submitted along with proposal:

Prospective vendor should submit following documents along with their EOI Proposal.

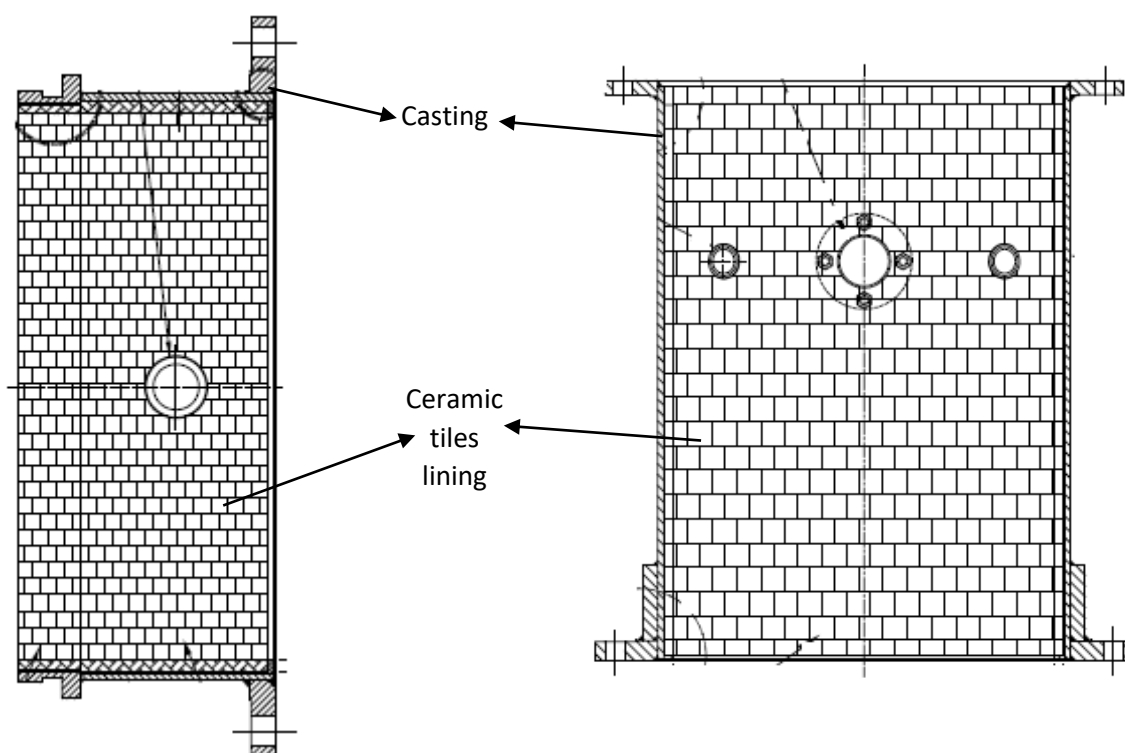
Sl. No.	Requirement Description	Vendor Confirmation (Yes/No)	Supporting Document / Remarks
1	Filled in PQC checklist as per sheet#8		
2	In-house facility for manufacturing ceramic lined items		List & photos of equipment, plant layout, Process flowchart
3	Details of Raw material (Casings, ceramics) suppliers		Vendor or subcontractor details
4	Facility for heat treatment (in-house or through a qualified subcontractor)		Details of HT equipment / subcontractor details
5	Experience in the Supply of ceramic-lined items to any Mill OEMs.		Sample unpriced PO copies, component weight, customer details, photographs, inspection reports
6	In-house quality inspection facilities		List of NDT and QA/QC equipment and personnel qualification details
7	ISO 9001 or equivalent Quality System Certification		Valid certificate
8	Willingness to sign BHEL's Non-Disclosure Agreement (NDA)		Confirmation required
9	Acceptance of EOI Proposal		Signed and stamped copy of EOI Specification No: GT/Ceramic-Lined/2025/01

Annexure-1

Indicative Weights and Dimensions of Ceramic-lined items

Material Description	ID of Tile (mm)	ID of MS casing(mm) X Total Length (mm)	Weight (Kgs)
VALVE ADAPTER CERAMIC LINED-HP1203	740	770 X320	175
VALVE OUTLET SPOOL- CERAMIC LINED, HP1203	740	770 X656	350
VALVE OUTLET - CERAMIC LINED 28"	686	716 X969	475
VALVE OUTLET SPOOL - CERAMIC LINED 28"	686	716 X356	240
VALVE OUTLET ADAPTER - CERAMIC LINED 28"	686	716 X320	194
CERAMICLINED VALVE OUTLET WITH STUB-28"	686	716 X969	480
CERAMIC LINED VALVE OUTLET-26"	635	665 X969	418
VALVE ADAPTER CERAMIC LINED-DY.CLASS 26"	635	665 X300	165
VALVE OUTLET SPOOL- CERAMIC LINED 26"	635	665 X356	232
CERAMICLINED VALVE OUTLET WITH STUB-26"	635	665 X969	423

Typical images of the components



Annexure-2

General Information

Date: _____

Legal name of company	
Country of constitution	
Year of constitution	
Legal address in country of constitution	
Mobile Number of the Concerned Person	
Email id of the Concerned Person	
Willing to get registered as a Supplier in BHEL's Supplier Directory	Yes / No

Attached are copies of original documents of:

- Articles of Incorporation or Documents of Constitution, and documents of registration of the legal entity named above.

(Signature of Authorized Signatory)

Name: _____

Designation: _____

Address: _____

Date: _____