



Bharat Heavy Electricals Limited, Bhopal
(A Govt. of India undertaking)
"Marching Towards Business Excellence"



TRACTION SERVICE DIVISION

**BHARAT HEAVY ELECTRICALS LIMITED
(A Government of India Undertaking)**

**NOTICE FOR INVITING
Expression of Interest (EOI)**

**for identification of experienced agencies / service partners /
authorised repair firms for Repair, Rehabilitation, Overhaul and
Maintenance Support of Traction Motor and Alternator at various
Railway shed**



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SECTION:1

DISCLAIMER

All information contained in this EOI provided / clarified are in good interest and faith. The information contained in this Expression of Interest document or subsequently provided to Applicant(s), whether verbally or in documentary or any other form, by or on behalf of BHEL, is provided on the terms and conditions set out in this EOI and such other terms and conditions subject to which such information is provided.

The purpose of this EOI is to provide interested parties with information that may be useful to them in the formulation of their application for qualification and subsequent selection pursuant to this EOI. This EOI is not an offer by BHEL to the prospective Applicant(s) or any other person. This EOI is neither intended nor shall it be construed as creating or requiring any ongoing or continuing relationship or commitment with any party or person. This is not an offer or invitation to enter into an agreement of any kind with any party.

Though adequate care has been taken in the preparation of this EOI document, the interested firms shall satisfy themselves that the document is complete in all respects. The information is not intended to be exhaustive. Interested Agencies are required to make their own enquiries and assumptions wherever required. Intimation of discrepancy, if any, should be given to the specified office immediately. If no intimation is received by this office by the date mentioned in the document, it shall be deemed that the EOI document is complete in all respects and firms submitting their interest are satisfied with the EOI document in all respects.

The issue of this EOI does not imply that BHEL is bound to select and shortlist Applicant(s) for next stage or to enter into any agreement(s) with any Applicant(s). BHEL reserves all right to reject any applications submitted in response to this EOI document at any stage without assigning any reasons thereof. BHEL also reserves the right to withhold or withdraw the process at any stage. Neither BHEL nor its employees and associates will have any liability, loss, expense or damage which may arise from or be incurred or suffered in connection with anything contained in this EOI document or any matter deemed to form part of this EOI document, the information and any other information supplied by or on behalf of BHEL. BHEL accepts no liability of any nature whether resulting from negligence or otherwise howsoever caused arising from reliance/use of any statements/information contained in this EOI by the Applicant. BHEL is not making any representation or warranty, express or implied, as to the accuracy or completeness of any information/statements made in this EOI.

The Applicant shall bear all its costs associated with or relating to the preparation and submission of its Application including but not limited to preparation, copying, postage, delivery fees, expenses associated with any demonstrations or presentations which may be required by BHEL or any other costs incurred in connection with or relating to its Application. All such costs and expenses will remain with the Applicant and BHEL shall not be liable in any manner whatsoever for the same or for any other costs or other expenses incurred by an Applicant in preparation or submission of the Application, regardless of the conduct or outcome of the EOI.



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SECTION:2

SCHEDULE OF EOI PROCESS & CONTACT DETAILS

A. SCHEDULE OF EOI PROCESS

The schedule of activities during the EOI Process shall be as follows –

Sl No.	Description	Date
1	Issue of EOI document	27.05.26
2	Last date of Submission of EOI response	20.06.26

B. CONTACT DETAILS:

All the correspondence shall be marked to the following:

Senior Manager (TMX),
Block –VII Ist Floor Central Wing
BHARAT HEAVY ELECTRICALS LIMITED
Piplani,
BHOPAL (M.P.), Pin – 462022.
Phone: 0755-2502757.
Mob: 7376705029
email:subodh1@bhel.in



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SECTION:3

DETAILS OF EXPRESSION OF INTEREST (EOI)

3.1 ABOUT BHEL

Established in 1964, BHEL has been one of the earliest and strongest contributors towards a strong and Aatmanirbhar India. BHEL is India's largest engineering and manufacturing enterprise in the energy and infrastructure sectors and a leading power equipment manufacturer globally. BHEL serves its customers with a comprehensive portfolio of products, systems and services in the areas of power-thermal, hydro, gas, nuclear & solar PV, transmission, transportation, defence & aerospace, oil & gas, and water. BHEL's commitment to attaining the vision of a self-reliant India manifests in many ways- in its contribution to the country's installed power generation capacity; bringing the latest state of the art technology to the country; consistent highest expenditure of more than 2.5% of its turnover on R&D and innovation in the Indian engineering segment; pan-India presence; establishment of world-class assets, and creating sustainable business solutions and contribution to the society at large through initiatives in skilling youth, health & hygiene, education, cleanliness and environment protection, among others. The force behind driving the outcomes at BHEL and ensuring success is BHEL's resilient workforce, supported ably by efficient processes and innovative enablers. A team of around 33,500 empowered employees stands strong, focused on driving the businesses of today as well as the future.

The company's pan-India presence includes a network of 16 manufacturing facilities, 2 repair units, 4 regional offices, 8 service centres, 1 subsidiary, 3 active joint ventures, 15 regional marketing centres, 4 overseas offices and current project execution at more than 150 project sites across India and abroad. BHEL manufactures a wide range of high quality & reliable products adhering to national and international standards. The worldwide installed base of power generating equipment supplied by BHEL exceeds 190 GW, making it the undisputed leader amongst Indian power plant equipment manufacturers. Having installed more than 1000 thermal, hydro, nuclear, gas and solar PV based power generating sets in the country, BHEL is now building strong foundations for cleaner and greener energy usage in future. BHEL has a widespread footprint in all the inhabited continents of the world with references in 84 countries including the neighbouring countries of Bangladesh, Afghanistan, Bhutan, and Nepal, Indonesia, Oman, Iraq, Sudan, Afghanistan, United States and New Zealand. Till date, BHEL has installed around 11 GW power generating capacity in overseas markets. An additional 6 GW is under execution, including the 2x660 MW Maitree Super thermal power project in Bangladesh and 4x225 MW Arun-3 Hydroelectric project in Nepal. BHEL is also a name to reckon with in various sectors of the industry. More than half of the traction equipment in locomotives & EMUs of Indian Railways has been supplied by BHEL. BHEL has commissioned 200+ electric substations and 5 major HVDC projects in the country. BHEL's solar portfolio of more than 1.2 GW, spread across the country includes ground mounted, rooftop, canal top and floating PV plants. BHEL is also one of the largest manufacturers and suppliers of power



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transformers and electrical AC machines in the country. BHEL has been a major reliable supplier of critical equipment and services in defence & aerospace sector for over three decades. Most of the satellites launched by ISRO are powered by BHEL manufactured solar panels and lithium ion batteries. BHEL is a trusted supplier of naval guns to Indian navy for their warships.

BHEL is leveraging on its technology capabilities and committed workforce to transform itself. Asserting leadership in core business, diversifying the business mix, efficiency optimisation & innovative technological solutions are the major enablers driving company's competitiveness in its businesses. Resolute focus and persistent efforts are directed towards building a new future.

3.2 BHEL Bhopal Unit – Transportation Division Profile

Bharat Heavy Electricals Limited Bhopal Unit is one of the oldest and most prestigious manufacturing units of BHEL and serves as a major hub for electrical machines, transportation equipment, power generation systems, and heavy engineering products in India. The Bhopal plant is commonly known as the Heavy Electrical Plant (HEP), Bhopal.

The Transportation Division of Bharat Heavy Electricals Limited Bhopal mainly caters to the requirements of Indian Railways and metro rail projects by manufacturing and servicing rotating machines used in rail transportation.

Major Products & Services

The division manufactures and services:

- AC/DC Traction Motors for:
 - Electric Locomotives
 - MEMU/DEMU coaches
 - EMU & Metro applications
- Traction Alternators
- Auxiliary Machines
- Spare Parts Support



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3.3 INDICATIVE SCOPE OF WORK:

BHEL invites Expression of Interest (EOI) from experienced agencies / service partners / authorised repair firms for undertaking repair, rehabilitation, overhaul, testing, commissioning and maintenance support activities of traction motors and alternators at various Railway sheds/workshops across India.

The objective of this EOI is to:

- Identify suppliers having experience in undertaking repair, rehabilitation, overhaul, testing, commissioning and maintenance support activities of Electrical rotating machines preferably traction motors and alternators.
- Strengthen BHEL's service support network at Railway sheds.
- Minimise warranty attention time for failed traction motors and alternators.
- Enhance reliability and availability of locomotives/MEMU equipped BHEL make motors
- Support Indian Railways in preventive and breakdown maintenance.
- Establish infrastructure for field-level overhaul and rehabilitation activities.

The indicative scope shall include the following activities for traction motors and alternators:

1. Inspection & Failure Analysis

- Incoming inspection and diagnosis
- Measurement and dimensional checks
- Condition assessment of rotor/stator/bearings

2. Complete Overhaul Activities

Typical overhaul activities may include:

- Dismantling and cleaning of traction motor
- Oven drying and IR testing
- Bearing replacement
- Rotor balancing
- Stator/rotor rewinding wherever required
- Replacement of damaged cables, labyrinths and hardware
- Varnishing and insulation treatment
- Dynamic balancing
- Reassembly and testing as per OEM procedures



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3. Testing & Quality Assurance

- HV test
- Surge comparison test
- No-load and load testing
- Vibration and temperature monitoring
- Documentation and test certification

4. Field Support in ref to warranty conditions

- Deputation of service engineers at Railway sheds
- Breakdown attention
- Condition monitoring
- Technical guidance to Railways
- Failure investigation support

5. Logistics & Handling

- Transportation coordination
- Safe lifting, packing and dispatch
- On-site handling support at sheds/workshops



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SECTION:4

4.1 Eligibility Criteria

Interested firms should preferably meet the following criteria:

- Minimum 2 years experience in repair/overhaul of electrical rotating machine preferably traction motor & alternator assembly / services / erection & commissioning.
- Experience with Indian Railways/PSUs/Metro/Rolling stock industry preferred.
- Availability of qualified technical manpower and experience.
- Capability for PAN-India field support preferred.

4.2 Infrastructure Support:

Infrastructure, working space and crane/lifting facilities required for dismantling, assembly and handling of traction motors shall be provided by the respective Railway sheds/workshops wherever feasible.

The participating agency/service partner shall deploy adequately trained and experienced manpower for carrying out the following activities:

- Dismantling and assembly of traction motors
- Inspection and fault diagnosis
- Bearing replacement and mechanical repairs
- Electrical testing and troubleshooting
- Insulation treatment and drying activities
- Final testing and commissioning
- Documentation and reporting of repair activities

Necessary standard testing instruments, tools & tackles, consumables and standard equipment required for execution of repair/overhaul activities shall be arranged by the service partner unless otherwise specifically agreed by BHEL.

4.3 Inspection and Acceptance Clause

Final inspection, testing and acceptance of the repaired/overhauled and assembled traction motor shall be carried out by the concerned Railway officials at the respective Railway shed/workshop.

The service partner/agency shall extend necessary support during inspection and testing activities, including:



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- Availability of technical manpower during inspection
- Submission of test reports and repair records
- Rectification of observations, if any
- Assistance during trial/run testing
- Compliance with Railway and OEM quality requirements

The repaired/ overhauled traction motor shall be considered accepted only after satisfactory inspection and approval by the authorised Railway representative.



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SECTION:5

INSTRUCTION TO RESPONDENTS/APPLICANTS

5.1 **Interested party may respond this EOI as per Annexure -1** (along with supporting documents for criteria as applicable) by Post / e-mail so as to reach at the following address:

Senior Manager (TMX),
Block –VII Ist Floor Central Wing,
BHARAT HEAVY ELECTRICALS LIMITED, Piplani,
BHOPAL (M.P.), Pin – 462022.
Phone: 0755-2502757. Mob: 7376705029
email:subodh1@bhel.in

5.2 The details submitted by the respondent(s) shall be complete in all respects and BHEL may seek clarifications/additional information as considered necessary. Such clarifications/additional information must be provided within 2 days of BHEL request.

5.3 The EOI process involves seeking willingness of interested party/parties and selecting party/parties amongst all who make an application in response to this EOI.

5.4 Selection of service provider/agency would be done as per Broad Scope mentioned in the eligibility criteria .

5.5 Any applicant barred by the Central/ State Government, or any entity controlled by it, from participating in any project, will not be eligible to participate in this EOI.

5.6 Any request for further information or clarification on the EOI document may be submitted to above address *within 07 days from date of issue of EOI.*

5.7 Response to EOI is to be submitted in English only. Supporting documents, as required, should also be in English language. In case, documents are available in languages other than English, the Applicant shall necessarily provide duly authenticated translated version of the same in English.

5.8 Duly authorized representative of the respondent(s) shall sign on each page of the document. Response to EOI should be prepared in such a way so as to provide a straight forward, concise description of respondent's capabilities.



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5.9 Notwithstanding anything contained in this EOI, BHEL reserves the right to accept or reject any response and to annul the EOI Process in whole or part, at any time without any liability or any obligation for such acceptance, rejection or annulment, and without assigning any reasons thereof.

5.10 BHEL reserves the right to verify all statements, information and documents submitted by the respondent(s) in response to the EOI. Any such verification or lack of such verification by BHEL shall not relieve the respondent of his obligations or liabilities hereunder nor will it affect any rights of BHEL.

5.11 The EOI process shall be governed by, and construed in accordance with, the laws of India and the Courts at New Delhi shall have exclusive jurisdiction over all disputes arising under, pursuant to and/ or in connection with the EOI process.



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Annexure-1

Information to be submitted by 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. Date of Incorporation:
5. Full address including Telephone / Mobile nos. / Fax nos./Email ID:

Registered Office:

Head Office:

Address for communication:

Contact Details:

Office Address in India, if any:

6. PAN & GST No.:

7. Documents to be enclosed:

- i. The agency must submit **work orders / completion certificates** /performance certificates in support of past experience.
- ii. Copies of Audited profit and loss account and balance sheet for last 3 years (2024, 2025 & 2026).
- iii. Entity must have positive net worth as on 31.03.2026.
- iv. Entity must submit CA certified annual turnover. over the last three years (2024, 2025 and 2026).

(Sign & Company Seal)
Authorized sign