



EOI FOR FABRICATION OF RAFT ASSEMBLY AT BHEL WORKS AREA, HPEP
RAMACHANDRAPURAM-502032



BHARAT HEAVY ELECTRICALS LIMITED
(A Government of India Undertaking)
Hyderabad – 502032

Expression of Interest (EOI) from Suitable Contractors
for

Fabrication of RAFT Assembly at BHEL Works Area, HPEP
Ramachandrapuram-502032

EOI Ref No.: BHEL/EOI/HEF/FAB/2026/001

Date: 02.06.2026



INDEX

S No.	DESCRIPTION
1.	Section - 1: Disclaimer
2.	Section – 2: Schedule of EOI Process & Contact Details
3.	Section – 3: Details Of EOI
4.	Annexure-1: Detailed Scope of work
5.	Annexure-2: Documents to Be Submitted by Contractors
6.	Annexure-3: General Information

SECTION-1
DISCLAIMER

The information contained in this Expression of Interest (EOI) document 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.

1. The purpose of this EOI document is to provide the Applicant with information to assist the formulation of their proposal. This EOI document does not purported 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 his own investigations and analysis and should check the accuracy, reliability and completeness of the information in this EOI document and where necessary obtain independent advice from appropriate sources.
2. BHEL, its employees and 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.
3. BHEL may, in its absolute discretion, but without being under any obligation to do so, modify, amend or supplement the information in this EOI document.
4. The issue of this EOI does not imply that BHEL is bound to select and shortlist any or all the Applicant(s). Even after selection of suitable Applicant, BHEL is not bound to proceed ahead with the Applicant and in no case be responsible or liable for any commercial and consequential liabilities in any manner whatsoever.
5. The Applicant shall bear all costs associated with the preparation, business/technical discussions/presentation and submission of response against this EOI. BHEL shall in no case be responsible or liable for these costs regardless of the conduct or outcome of the EOI process.
6. Canvassing in any form by the Applicant or by any other Contractors on their behalf shall lead to disqualification of their EOI.
7. Notwithstanding anything contained in this EOI, BHEL reserves the right to accept or reject any application and to annul the EOI process and reject all applications, at any time without any liability or any obligation for such acceptance, rejection or annulment and without assigning any reasons, thereof. In the event that BHEL rejects or annuls all the applications, it may at its discretion, invite all eligible Applicants to submit fresh applications.
8. BHEL reserves the right to disqualify any applicant during or after completion of EOI process, if it is found there was a material misrepresentation by any such applicant or the applicant fails to provide within the specified time, supplemental information sought by BHEL.
9. BHEL reserves the right to verify all statements, information and documents submitted by the applicant in response to the EOI. Any such verification or lack of such verification by BHEL shall not relieve the applicant of his obligations or liabilities hereunder nor will it affect any rights of BHEL.



SECTION-2

SCHEDULE OF EXPRESSION OF INTEREST (EOI) PROCESS & CONTACT DETAILS

A. SCHEDULE OF EOI PROCESS

The schedule of activities during the EoI Process shall be as follows -

S No.	Description	Date
1	Issue of EOI document	02.06.2026
2	Last date of submission of EOI	12.06.2026- Extension upto 19.06.2026

In case any amendment/corrigendum to this EoI is issued, it shall be notified only at www.bhel.com

B. CONTACT DETAILS:

The Contractors shall submit/send their offer against the expression of Interest with all annexures duly signed at the following addresses:

Sr. DGM (Supplier development Cell)
Vendor complex, besides administrative
building
Heavy Power Equipment Plant,
Bharat Heavy Electricals Limited (BHEL),
Ramachandrapuram 502032
Tel: +91-40- 2318- 5258
E-Mail: technicalbid_hyd@bhel.in

In case if the bidder/contractor wish to send the technical offer to E-mail:
technicalbid_hyd@bhel.in then subject of the mail shall be in this format only. " EOI Ref No.:
BHEL/EOI/HEF/FAB/2026/001, Dated :02.06.2026."

All the correspondences regarding any Clarification on scope and processes involved shall be addressed to the following official.

DGM (Shop PIng/HE&F)
HEF Division,06 Annexe,
Heavy Power Equipment Plant,
Bharat Heavy Electricals Limited (BHEL),
Ramachandrapuram 502032
Tel: +91-40- 2318- 5049
E-Mail: kusangi@bhel.in
Mobile: 9490441197

SECTION – 3

DETAILS OF EXPRESSION OF INTEREST (EOI)

3.1 INTRODUCTION:

BHEL, RC Puram, Hyderabad, a Public Sector Undertaking, under the Government of India, seeks Expression of Interest from suitable parties/ Contractors who are meeting the requirements of this EOI and are willing to be associated with BHEL for carrying out fabrication of RAFT Assembly at BHEL Works Area, HPEP Ramachandrapuram.

Henceforth the term “**Contractors**” shall mean any suitable suppliers/ parties / Contractors /agencies etc. who are eligible and willing to participate in this EOI as per the laid down terms and conditions in this EOI.

3.2 ABOUT BHEL & HPEP:

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 Company 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 197 GW of power generating equipment globally. BHEL commands 55% share in India's total installed capacity of utility power segment (excluding renewables), which stands as testimony to its valuable contribution towards nation building. BHEL has also established references in 89 countries in all the 6 inhabited continents, with equipment supplied for about 12,000 MW of power generating capacity in overseas markets.

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.

BHEL HPEP, Hyderabad Unit BHEL Heavy Power Equipment Plant (HPEP), Hyderabad is one of the Major Manufacturing Units of BHEL and caters the largest number of products under a single roof. Presently HPEP caters to a wide spectrum of business and higher rated equipment in Power, Industry, Oil and Gas & defence Sector like Steam Turbine, Gas Turbines, Centrifugal Compressors, Generators, Coal Pulverisers, Heat Exchangers, Oil Rigs, Pumps etc.

3.3 Objective of EOI:

The objective of this EOI is to identify interested, experienced and technically competent Contractors who are willing to associate with BHEL for carrying out fabrication of RAFT Assembly at BHEL works Area, HPEP, RC Puram, Hyd-502032

- (a) The fabrication of the RAFT assembly—a base frame designed to house multiple equipment—involves the following brief scope of work.
- i. Fabrication of 04 no's sub-assemblies (Section-1, Section-2, Section-3, Section-4).
Material of Construction: Quenched and Tempered steel, Duplex Stainless Steel.
 - ii. Welding of lower casing assembly to Section-2 assembly.
 - iii. Alignment of Section-1, Section-2, Section-3 Assembly.

S.No	RAFT ASSEMBLIES	Dimensions	Weight
1	Section-1	LXBXH : 5900X9500X5000 mm	37 Tons
2	Section-2	LXBXH: 7000X9500X4500 mm	52 Tons
3	Section-3	LXBXH : 6700X9500X2100mm	33 Tons
4	Section-4	LXBXH: 3300X7500X4500 mm	23 Tons

- b) Contractors should arrange equipment and manpower for Gas cutting (Straight and circular parts), edge preparation by gas cutting for welding all the components, fit-up, welding, grinding, material handling, vendor internal QC inspection as per RAFT assembly drawing.
- c) Fabrication of all 04 nos of sub-assemblies shall be carried out in 04 work stations in parallel.
- d) Each work station for each section should operate with 08 nos of qualified welders, 04 nos of fitters, 03 nos of grinders, 02 nos crane operators and 04 slingers and helpers to be deployed suiting to the requirement at each work station in each shift.
- e) Fabrication shall be carried out in continuous 2 shift basis on all days. BHEL will extend the facilities for round the clock operations. Contractors can modulate their shift operations as per the Job requirements.
- f) Fabrication of all the 04 nos sub-assemblies must be completed within 20 months after receipt of PO. However, accepted price shall be valid for additional 4 months from the date of receipt of PO. Contract will be in force for 24 months.
- g) Contractors shall undertake installation, operation and maintenance of all the utility machines using their own manpower and resources. BHEL will provide necessary infrastructure like shop-floor space, crane and slings as detailed in Detailed Scope of work Annexure-1.
- h) BHEL will pay the Contractor as per the tender process basis subject to the adherence to agreed terms and conditions.
- i) For any technical clarification/inputs on Raft Fabrication, contractor can take by in-person meeting at BHEL Hyderabad-32.

Responses to this EoI shall be submitted in accordance with the terms defined herein and as may be modified, amended, or clarified by BHEL from time to time.

Upon receipt of responses, BHEL will study the proposals to assess the Contractor's suitability and identify the Contractors for further discussions.

3.4 Process of EOI:

- i. Prospective Contractors who are meeting the Pre-Qualification Requirement (PQR) as per "section 3.5" shall submit their proposal for EOI for Raft fabrication at BHEL Ramachandrapuram.
- ii. Contractors shall furnish all the dully filled in formats/ information/ documents/ credentials etc as sought in Annexure 2.
- iii. All the documents shall be submitted in English language only.
- iv. BHEL shall engage with the Contractor(s) who are fulfilling PQR, for further discussions, presentations etc. on their proposals.
- v. Subsequent to Identification, whenever required, BHEL shall float a formal tender as per BHEL's policies and formal order will be placed accordingly.
- vi. This Expression of Interest (EOI) itself 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.

3.5 Prequalification Requirements (PQRs):

Only those contractors should apply against this EOI who satisfy the following criteria's:

- i. Must be a registered entity established under the applicable laws and regulations of India.
- ii. Must be having previous experience of at least three years in Structural fabrication activity with radiography quality welds with weight of 150 Tons or more per year.
- iii. Must be having positive net worth in past three years.
- iv. Must be having annual turnover of minimum 350 lakhs/Year in past three years, the contractor
- v. Must comply with applicable ISO standards.
- vi. Must not be blacklisted by any Central/State Government or PSU.
- vii. Must be compliant with all applicable statutory laws and regulations, including those pertaining to labour, taxation, safety, and environmental protection.

Contractor shall submit supporting documents for criteria i to iv to prove their eligibility. For criteria v to vii contractors shall provide the self-attested declarations confirming the compliance.

3.6 Instructions

- i. Interested agencies shall submit their duly filled complete response/ proposal along with covering letter and all supporting documents/ information as per Annexure-2 in soft copies addressed to Email IDs indicated in the contact details (Section-2: B) on or before due date of Submission.
- ii. The response to EOI shall also be accompanied with details on company background, technical features/ product catalogue, reference list of customers, details of current manufacturing facilities and relevant certificates, annual audited financial reports for last three (3) years.

- iii. All correspondences and documents related to the EOI response shall be in English only.
- iv. The Contractors shall abide by the terms & conditions, as applicable, of the EoI.
- v. All pages of the response against this EOI shall be duly signed & stamped by the authorised signatory.
- vi. BHEL/TPIA (Third party inspection Contractors) appointed by BHEL may at its discretion inspect the Contractor's works/office/reference site premises, as deemed necessary. BHEL's decision in this regard shall be final.
- vii. Any Contractor which has been debarred/blacklisted by Indian Central/State Governments or by any entity controlled by Indian Central/State Governments from participating in any of their project, as on date of submission of EOI, shall not be eligible to submit the EoI.
- viii. BHEL shall receive applications pursuant to this EoI in accordance with the terms set forth herein, as modified, altered, amended and clarified from time to time by BHEL, and all applications shall be submitted in accordance with such terms on or before the date specified in this EoI for submission of applications. In case any amendment/corrigendum to this EOI is issued, it shall be notified only at www.bhel.com.
- ix. 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.

3.7 Confidentiality:

- i. Information relating to the examination, clarification, evaluation and comparison of EOI and recommendations shall not be disclosed to Contractors. Any effort by Contractors to influence BHEL in processing of EOI may result in rejection of the response against EOI.
- ii. Discussions, deliberations and any information shared by BHEL to the applicants of EOI shall not be disclosed by applicants to any of the third party under any circumstances. Appropriate NDA (Non-Disclosure Agreement) shall also be sought from applicants as deemed by BHEL during the process of EOI.

3.8 Governing Laws & Jurisdiction:

In respect of all matters arising out of or pertaining to the EoI, the cause of action there of shall be deemed to have arisen only at RC Puram, Hyderabad, where BHEL – HPEP is situated. All legal proceedings pertaining to the above matters or dispute shall be instituted only in courts having territorial jurisdiction (of Sangareddy Courts) over the place where BHEL-HPEP is situated and no other court shall have the jurisdiction.

ANNEXURE-1

DETAILED SCOPE OF WORK

a) **BHEL SCOPE**

BHEL shall provide/carry out the following:

1. Power and Gas (LPG, Nitrogen, Oxygen, Argon, CO2)
2. Compressed Air.
3. All rolling activities.
4. Gas cutting of components which are not possible for cutting by manual gas cutting (i.e. by pug cutting machine)
5. All machining activities
6. Welding consumables (SMAW : Welding Electrodes of Dia 3.15 & 4.0mm, GTAW : Tungsten Rods & Filler wire, SAW : Wire in 25Kg spool form & Flux, GMAW : Filler wire in 12-15Kg spool form
7. UT, MPT/PT will be carried out by BHEL QC and Customer as per QP
8. UT, MPT/PT consumables.
9. Review of RT films by BHEL QC and Customer as per QP.
10. Crane facility, Slings, D-shackles.
11. All stage of inspections as per quality plan will be carried out by BHEL QC, and third party inspection as applicable as per QP
12. All Raw material would be supplied as per part list quantities.
13. All raw materials for fabrication of fixtures/stands.
14. Space with bed for fabrication of RAFT assembly and alignment.
15. Material for welder qualification and other test coupons related to WPS establishment.
16. Welder qualification by BHEL QC and Customer. NDT activities involved in welder qualification.
17. Calibration blocks for UT
18. Cotton waste.

b) CONTRACTOR SCOPE

1. All operation shall be carried out in BHEL premises only
2. All necessary measuring instruments such as spirit levels, measuring tapes, plum bobs.
3. Gas cutting of all possible part numbers by manual gas cutting.
4. Edge preparation of all part numbers by gas cutting as per drawing.
5. Gas cutting and edge preparation by gas cutting of material required for welder qualification.
6. All test coupons gas cutting, edge preparation by gas cutting and welding
7. Fabrication (fit-up, welding, grinding, material handling, and vendor internal inspection by QC) of all 04 nos of sub-assemblies as per BHEL drawings should be carried in four work stations (identified by BHEL) in parallel.
8. Each work station shall be operated on two shift basis with 08 welders, 04 fitters, 03 grinders, 02 nos crane operators and 04 slingers in each shift. Provision shall be kept to ramp-up manpower to meet delivery schedules.
9. Alignment of Section-1, Section-2, Section-3 Assembly in to single RAFT assembly and Disassembly for dispatch.
10. Fabrication of all fixtures (as per BHEL drawings) required for fabrication of RAFT assembly.
11. Fabrication of 04 sub-assemblies (Section-1, Section-2, Section-3, Section-4 and also welding of lower casing assembly to Section-2) be carried out strictly as per drawing. All stage inspections as per QP shall be offered to BHEL QC.
12. Welders qualified by BHEL QC and Customer only shall be deployed on the job.
13. All welders for 04 work stations shall be deployed immediately after receipt of PO for welder qualification by BHEL QC and Customer.
14. Welders deployed shall have experience in SMAW, SAW, TIG and MIG process.
15. Back grinding shall be carried out for all full penetration joints. DP after back grinding shall be offered to BHEL QC.
16. Completion of all welds as per BHEL weld detail drawing and **without any distortion.**
17. Weld to be prepared for DP/MT, UT, RT as per the drawing and QP.
18. RT of weld joints identified in BHEL drgs and Quality plan and consumables for RT.
19. RT shall be outsourced only to BHEL approved vendors. RT should be carried in the work station in situ.
20. Offer the weld joints for NDT as per drawing and QP.
21. To depute qualified personnel for co-ordination for inspection with BHEL QC and Customer as per QP.

22. Contractor has to attend the welding repairs as and when defects are noticed in the weld joints.
23. All PPE's shall be provided by Contractor.
24. Welding Rectifiers in proportion to number of welders mentioned in this scope document with calibration (SAW, TIG, MIG, SMAW Gouging Rectifiers of 1000 Amps) along with all machine accessories, machine consumables, welding cables, earthing clamps, to be arranged by Contractor.
25. Grinding machines, Grinding Wheels, Pug cutting machine and pug cutting nozzles, Hand torches and related nozzles (for gas cutting), gas regulators are in Contractor scope.
26. Crane operators, slingers are in Contractor scope
27. Portable ovens up to 150°C with capacity 5 kgs in sufficient numbers for holding electrodes is in Contractor scope.
28. 50 Kgs Electrode baking oven 01 nos, 50 Kgs Electrode holding oven 01 nos in each work station with calibration validity for 1 year and subsequent renewal after expiry.
29. Electrode baking oven temperature 600 deg.C, and holding oven temperature 200°C
30. 100 kg Flux baking oven 01 nos and 100 Kg Flux holding oven 01 nos shall be deployed in one work station. with calibration validity for 1 year and subsequent renewal after expiry.
31. Flux baking oven temperature 1000°C and holding oven temperature 200°C
32. Baking and holding of electrode/flux shall be strictly as per BHEL procedure.
33. Manpower for issue of electrodes and maintain the record of electrode baking, holding and issue slips.
34. All kinds of material/consumables movements up to 10 Tons for execution of the job is in Contractor scope.
35. All working stands, fixtures, are in Contractor scope.
36. List of activities/facilities mentioned in the contract scope are not exhaustive. If any other activities /facilities required for fabrication of 04 nos of sub-assemblies of RAFT and alignment/disassembly of RAFT strictly as per drawing and QP is in Contractor scope.

ANNEXURE- 2

Documents to be submitted by Contractors

S. No.	Description	Documents to be submitted	Confirmation (Y/N)
1.	Cl. 3.5 (Pre-Qualification Requirement – i to iv)	Documents in support of Prequalification Requirements. For Financial documents CA certification is mandatory	
2.	Cl. 3.5 (Pre-Qualification Requirement– v to vii)	Declaration by Authorized Signatory on a Letterhead	
3.	Cl. 3.6: Instructions	Documents in support to as sought in Section 3.6 For Financial documents CA certification is mandatory	
4.	Confirmation to sign BHEL's Non-Disclosure Agreement (NDA) at a Later stage.	Declaration by Authorized Signatory on a Letterhead	
5.	Acceptance of EOI Proposal	Submission of signed and stamped copy of EOI	
6.	Time Schedule for mobilisation of manpower	Submission of Time Schedule	



ANNEXURE- 3

General Information

Date: _____

Legal Name of the Contractor/Contractor/Supplier Company	
Legal Address	
Mobile No. of concerned Official	
Email ID of concerned Official	