

# BHARAT HEAVY ELECTRICALS LIMITED

(A Government of India Undertaking)

Notice seeking

Expression of Interest

from

Prospective Vendors / Contractors

for

In-house Aluminium Fabrication of Isolated Phase Busducts,  
Segregated Phase Busducts, Non-Segregated Phase Busducts and  
Associated Accessories inside BHEL Rudrapur premises

on Works Contracts Basis

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**SECTION-1 DISCLAIMER**

1.1 The information contained in this Expression of Interest (EOI) document is provided to the Prospective Vendor, 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.

1.2 This invitation to EOI document does not purport to contain all the information that each Prospective Vendor may require.

This invitation to 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 Prospective Vendor who reads or uses this invitation to EOI document.

Prospective Vendor should conduct his own investigations and analysis and should check the accuracy, reliability and completeness of the information in this invitation to EOI document and where necessary obtain independent advice from appropriate sources.

1.3 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 invitation to EOI document.

1.4 BHEL may at any time, in its absolute discretion, but without being under any obligation to do so, modify, amend or supplement the information in this invitation to EOI document.

1.5 The issue of this EOI does not imply that BHEL is bound to select and shortlist any or all the Prospective Vendor.

Even after selection of suitable Prospective Vendor, BHEL is not bound to proceed ahead with the participation in any or all business opportunities and in no case be responsible or liable for any commercial and consequential liabilities in any manner whatsoever.

1.6 The Prospective Vendor shall bear all costs associated with the preparation, technical discussion/presentation and submission of EOI.

BHEL shall in no case be responsible or liable for the costs regardless of the conduct or outcome of the EOI process.

1.7 Canvassing in any form by the Prospective Vendor or by any other agency on their behalf shall lead to disqualification of their proposals against this invitation to EOI.

**SECTION-2****TIMELINES OF EOI PROCESS & CONTACT DETAILS****2.1 TIMELINE OF EOI PROCESS**

The schedule of activities of the EOI Process shall be as follows -

Sl. No.	Description	Date
1	Publishing of Notice for EOI document	28.10.2024
2	Last date of Submission of EOI response (BHEL will reserve the right of extension of the date)	27.12.2024

**2.2 CONTACT DETAILS:**

All the correspondence shall be marked to the following:

Mr. Shyam Bihari Jaiswal Manager Materials Management Department, Component Fabrication Plant, Bharat Heavy Electricals Limited (BHEL), Rudrapur, India, PIN 263153  Tel:(+91)- 5944-257205, 9997693555 E-Mail: <a href="mailto:shyamb@bhel.in">shyamb@bhel.in</a>	Mr. Manish Dayal Additional General Manager Materials Management Department Component Fabrication Plant, Bharat Heavy Electricals Limited (BHEL), Rudrapur, India, PIN 263153  Tel:(+91)- 5944-257224, 7060070610 E-Mail: <a href="mailto:manishdayal@bhel.in">manishdayal@bhel.in</a>
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**2.3 GUIDELINES FOR EOI SUBMISSION**

The Prospective Vendor shall forward their documents as part of EOI, to the e-mail of the contact persons indicated above.

The size of the e-mail (with attachments) may be restricted to 15 MB due to constraint at receipt. The attachments may be split and sent in no. of e-mails clearly mentioning in subject of mail 'Mail 1 of N', Mail 2 of N ....etc.

### SECTION – 3

#### BHEL

##### 3.1 BHEL

*Bharat Heavy Electricals Limited (BHEL)* is a Central Public Sector Enterprise under ministry of Heavy Industry and Public Enterprises, Government of India.

It is an integrated power plant equipment manufacturer and one of the largest engineering and manufacturing companies of its kind in India having a turnover of around US \$ 2.6 billion and is a company listed in stock exchanges of India.

The company is engaged in the design, engineering, manufacture, construction, testing, commissioning and servicing of a wide range of products and services for the core sectors of the economy, viz. Power, Transmission, Industry, Transportation, Renewable Energy, Water Management, Oil & Gas and Defence with over 180 product offerings to meet the needs of these sectors.

BHEL has been in the business for more than 50 years and BHEL supplied power equipment account for about 58% of the total thermal generating capacity in India.

The company has highly skilled and committed manpower of approximately 30,000 employees spread across 16 manufacturing units, 4 project execution units, 8 service centres and 15 regional offices besides host of project sites spread all over India and abroad.

BHEL has its footprint in all the inhabited continents with references in 82 countries with cumulative overseas installed capacity of BHEL manufactured power plants nearing 10,000 MW.

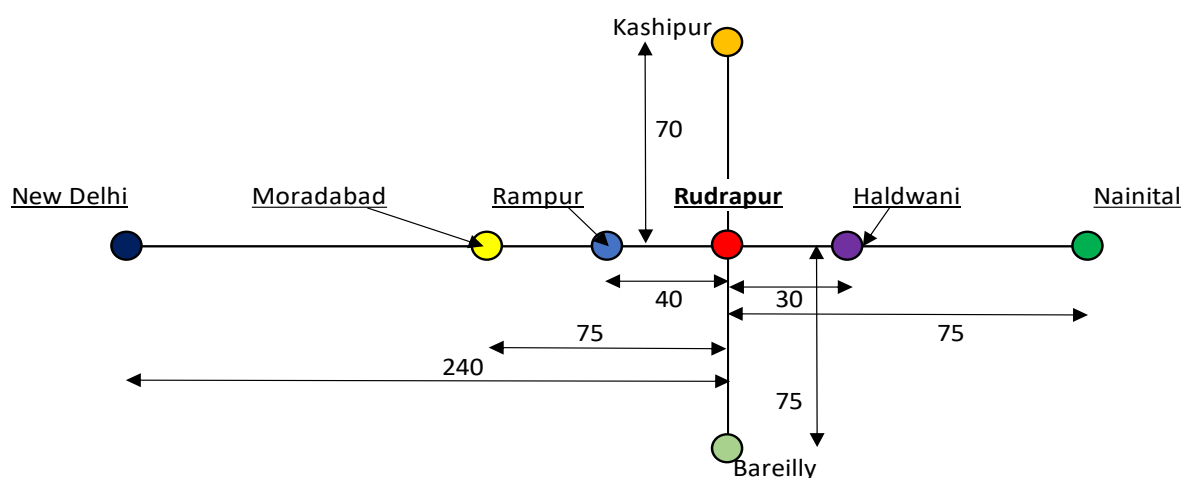
BHEL invests more than 2.5% of turnover on R&D and innovation.

More details about the entire range of BHEL's products and operations can be seen at [www.bhel.com](http://www.bhel.com).

##### 3.2 CFP (Unit of BHEL)

*Component Fabrication Plant (CFP)* is a Unit of BHEL which is mainly dealing with Aluminium Busduct, on standalone supplies & EPC basis, and is located in Rudrapur, Uttarakhand State in Northern India. It additionally has capabilities to execute the Solar projects on EPC basis and has rich experience of engineering the Busduct for Power Plants and has experience of executing wide variety of projects like Solar Power Plants, Thermal Power Plant, Hydro Power Plant and Nuclear Power Plants.

BHEL CFP is well connected with National Capital and other major cities (see illustrative map below). The Railway Station (IRCTC code RUPC) is 5 kms and the Bus Stand is 2 kms from the plant. The nearest Airport is Pantnagar which is 15 kms from the plant.



#### SECTION – 4

#### ALUMINIUM FABRICATION BUSINESS

BHEL, Rudrapur invites **Expression of Interest (EOI)** from contractors / fabricators for fabrication of Busducts (as above) which includes Cutting, Machining, Welding & Drilling etc for Enclosure Fabrication & Conductor Fabrication and for General Fabrication items. **The supplier is expected to deliver 75-100 MT/Month [comprising of above product types].**

The brief description is as follows:

SL. No.	Product	Raw material (By BHEL Rudrapur)	Major Processes involved	Projected quantum for next 03 financial years
1	Isolated Phase Busducts (Aluminium)	Aluminium Alloy Sheets & Plates -Thickness 4.78mm to 36mm and more Aluminium Alloy Extrusions -Of various section & lengths	Marking, Cutting, Welding (GTAW/GMAW), Drilling, Grinding, etc.	2700 MT
2	Segregated Phase Busducts (Aluminium)	Aluminium Alloy Sheets -Thickness 3.00 mm and more Aluminium Alloy Extrusions -Of various section & lengths	Marking, Cutting, Welding (GTAW/GMAW), Drilling, Grinding, etc.	1300 MT
3	Non-Segregated Phase Busducts (Aluminium)	A Aluminium Alloy Sheets -Thickness 3.00 mm and more Aluminium Alloy Extrusions -Of various section & lengths	Marking, Cutting, Welding (GTAW/GMAW), Drilling, Grinding, etc.	1000 MT
			<b>Total</b>	<b>5000 MT</b>

**The minimum requirements from the prospective contractors / fabricators shall be as follows:**

- i. Experience of having executed similar works.  
(BHEL will have the full rights to define the meaning of "similar" works).
- ii. A team comprising of atleast 1 Supervisor, 2-3 Fitters, 2-3 welders & 4-5 helpers.
- iii. Fitter & Welders will have to be qualified.  
BHEL may provide necessary help in welder qualification on chargeable basis.
- iv. Atleast 2 MIG Welding machine (~500 amps), 1-2 TIG Welding Machine (~500 Amps), Hand Tools (2-3 Angle/Straight Grinders 5"-7"), 2-3 Jig Saw Machine (equivalent to BOSCH 85 PBE / 135 BCE), 1-2 Circular Saw Machines, 4-5 Hammers, Wire Brushes, Pliers, Screw Drivers, Centre Punch, Scribes, Trammel Set, Protactors, Engineering Scales, Measuring Tapes.
- v. Laptop / Desktop PC, Office Stationery etc.
- vi. Once Work Order is given, compliances to all statutory requirements w.r.t., Labour Laws (Safety at workplace, Uniform, Safety Shoes, PPEs, PF, Gratuity, ESI, EDLI, Bonus, Leaves, Workmen Compensation etc.), Police Verification of all the employees of Vendor, Tax related compliances and any other rules & regulations of the land will have to be fully adhered to.
- vii. **Supervisor qualification:** Full-time Diploma/holder in Mechanical Engg with minimum 3-year experience in fabrication or Full-time ITI holder in Mechanical Engg/Fitter Trade with minimum 5 year experience in fabrication.
- viii. **Material accountal statement** shall be submitted on monthly basis & balance of scrap shall be returned by vendor to BHEL representative.
- ix. **Material handling Scope**-Material handling from one station to other station, i.e. fabrication to painting/assembly/Testing/PFR/Packing area etc is in BHEL scope however vendor has to place such jobs near production shop gate for further movement.
- x. **Material handling Equipment**, i.e. Overhead Crane, Fork Lifter, Hydra, hand-trolley etc as per the requirement shall be provided by BHEL.

Prospective Vendor shall be solely responsible for the conduct & discipline of the Supervisor(s) & Workmen employed by them. Any issue arising i.r.o., any employee of Vendor shall be the sole responsibility of Vendor.

BHEL shall have full rights to deny entry (temporarily or permanently) within BHEL's factory premises of any of the employees hired by the Vendor at any time without giving any notice to the Vendor.

**Brief Scope of Work by Vendor / Contractor shall be as follows:**

- Receiving the Raw materials such as Aluminium Plates, Sheets & Extrusions from BHEL alongwith drawing and necessary consumables such as Argon Gas, Filler Wire etc.
- Fabrication of Busduct as per BHEL's approved Drawings, Quality Work Instructions (QWIs), Technical Specification(s).

**Process flow for major activities shall be as follows:**

- 1) Loading of annexure alongwith drawings to vendor by BHEL.
- 2) Copy of material release document (SIV) to vendor by BHEL.
- 3) Material issue from BHEL Store, vendor to collect the material from Store.
- 4) Shifting of raw material from STORE to Fabrication Station, to be coordinated by vendor. However, lifting equipment shall be provided by BHEL.
- 5) Fabrication activity i.e. Marking, Cutting, Rolling, Bending, Punching, Drilling, Welding, finishing etc. to be done as per BHEL Drawing by vendor.
- 6) Conductor Palm is the part of fabrication. However, any kind of plating, painting, tinning etc. is in BHEL Scope, if applicable.
- 7) Quality inspection to be done by BHEL. However, all documents need to be prepared by vendor, and to be coordinated with Quality department till inspection is completed.  
Vendor has also to check the job before offering for inspection.
- 8) Shifting of fabricated material to Gate area for further lifting to Painting area by vendor.
- 9) Shifting of fabricated items from Gate to any area other than same station is in BHEL scope.
- 10) Vendor has to accumulate scrap in BHEL provided scrap BINS, activity to be performed monthly and to be mentioned in BILL.
- 11) Once job is cleared from Quality department in all respect, bill can be generated & submitted to PDN department on completion of Annexure / Project-wise along with required documents complete in all respect.



## SECTION – 5

**[Details required from Vendors]**

SL. No.	Details	Supplier's Response			
1	Name of the Firm / Company				
2	Registered Works' Address				
3	PAN of the Firm / Company				
4	Details of Contact Person	Name: Designation: Mobile No.: E- Mail:			
5	Type of Ownership (Tick the applicable one)	Proprietorship / Partnership / Limited			
6	Product Manufactured / Area of Business (Tick the applicable one)	<b>Product</b> Aluminium Fabrication General Fabrication	<b>Years experience of</b>   	<b>Monthly capacity (In MT per Month)</b>   	
7	Year of commencement of Business				
8	MSME Category (Tick the applicable one)	Micro / Small / Medium / NoN-MSME			
8.1	Whether Women MSE?				
9	Approx. Land area of Works Address (in acres)				
10	Approximate Sales made in the last year (Rs. Lakhs)				
11	Attach Balance Sheet of Past 03 years (or lesser period, if < 3 years)				
12	Certification available (tick the applicable one)	ISO 9001 / ISO 14000 / ISO 18000			
13	If already Registered with any other BHEL units	BHEL Unit Name: Supplier Code: Approved Product(s):			

SECTION – 6

EOI

**5.1 INSTRUCTIONS**

- a) A prospective vendor requiring any clarification to the EOI documents may notify the same through e-mail or by post at the address indicated in Section 2 of this EOI.

BHEL will respond to any request for clarification or modification of the EOI

Prospective Vendors are advised to regularly visit BHEL's website for clarifications, modifications if any.

- b) BHEL at their sole discretion may inspect the Vendor works / office / reference project sites etc. for the purpose of evaluation, if required.

**5.2 MISCELLANEOUS:**

Right to accept or reject any or all Applications:

- i). Notwithstanding anything contained in this invitation to EOI, BHEL reserves the right to accept or reject any EOI and to annul the EOI Process and reject all EOIs at any time without any liability or any obligation for such acceptance, rejection or annulment and without assigning any reasons, thereof.

- ii). BHEL reserves the right to disqualify any Prospective Vendor during or after completion of EOI process, if it is found there was a material misrepresentation by any such Prospective Vendor or the Prospective Vendor fails to provide within the specified time, supplemental information sought by BHEL.

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

- iv). The intention of this EOI, is NOT to guarantee any sort of permanent employment (or continual work load) to the prospective vendor or to any of its employee. Depending upon the business available with BHEL, BHEL will decide from time to time, whether to continue with the offloading (or sub-contracting) with the intended work. Also, the prospective vendor will have to be commercially competitive to remain in the business, as all offloading is done on L-1 basis (i.e., lowest bidder price-wise).

Also, depending upon the quantum of work, BHEL at its sole discretion shall decide upon the number of prospective vendors to be employed at any given point of time.

**5.7 Governing Laws & Jurisdiction:**

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