

**Global Expression of Interest (EOI)**

**For**

**Identifying Turnkey Contractors**

**For Railway Electrification Works**

Ref no: BHEL- PE&SD / OHE-EPC / 2017-18/02

**Project Engineering & Systems Division**

Issued by:

Bharat Heavy Electricals Limited, having registered office at  
BHEL House, Siri Fort New Delhi-110049 and

Also office at

**PE&SD, BHEL, R.C.Puram, Hyderabad- 502 032**  
**(hereinafter referred to as 'BHEL')**  
**INDIA**

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 itself 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 any 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.

## **1.0 About Bharat Heavy Electricals Limited**

Bharat Heavy Electricals Limited (BHEL) is a Central Public Sector Enterprise, wherein Government of India is holding 63.06% of its equity. 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 about USD 5 billion. 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, Oil & Gas and Defence with over 180 product offerings to meet the needs of these sectors.

Since its inception in 1964, BHEL has been the solid bedrock of evolution of India's Heavy Electrical Equipment industry. BHEL has a mammoth 20,000 MW per annum capability for manufacturing of power generation equipment. A widespread network of 17 manufacturing units, 2 repair units, 4 regional offices, 8 service centers, 1 subsidiary, 4 overseas offices, 6 joint ventures, 15 regional marketing centers and current project execution at more than 150 project sites across India and abroad corroborates the humongous scale and size of its operations. BHEL has extensive stainless steel and aluminium fabrication facilities.

With key focus on project execution, the worldwide installed base of power generating equipment supplied by BHEL has exceeded 178 GW. BHEL's 54% share in India's total installed capacity and 58% share in the country's total generation from thermal utility sets (coal based) as of March 31, 2017 stand a testimony to its valuable contribution towards nation building. BHEL's global competitiveness has established its footprint in all the inhabited continents with references in 82 countries.

The high level of quality & reliability of BHEL products is a testimony to its adherence to international standards by acquiring and adapting some of the best technologies from leading companies in the world including General Electric, Siemens AG, Mitsubishi Heavy Industries Ltd. etc., together with technologies developed in its own R&D centers. BHEL invests more than 2.5% of turnover on R&D and innovation.

BHEL has been designing and manufacturing rolling stock for rail and urban transportation. BHEL has also been manufacturing Motors, Power electronics and Controllers for various transportation applications at its various factories. BHEL also has a Battery Packaging facility for space applications.

More details about the entire range of BHEL's products and operations can be obtained by visiting our web site [www.bhel.com](http://www.bhel.com).

## 2. Background:

As Railways in India as well as across world are aiming to electrify all their existing tracks to reduce their energy bills. Bharat Heavy Electricals Limited [BHEL] is now looking to diversify its foot print into railway electrification segment and support them in its mission to speed up RE (Rail Electrification) works.

BHEL., Invites Expression of Interest [EOI] from prospective agencies from India or Abroad for identification of **Turnkey contractors** for railway Electrification works.

### 3. Turnkey contractor's broad Scope of work

A brief general scope of turnkey contractor is as under. The contract specific scope shall be issued on project to project basis separately.

- a) Design, Engineering, Supply, Erection, Testing and Commissioning of 25 kV,50 Hz, single phase Traction Overhead Equipment, Switching Stations, Traction Substations, SCADA, Signaling & Telecommunication (S&T) works including RE isolation works on existing S&T along with associated civil works.
- b) Design, Engineering, Supply, Erection, Testing and Commissioning of new grid substation or bay extension of existing grid substation [220 kV, 132 kV, 110 kV etc] along with civil works.
- c) Design, Engineering, Supply, Erection, Testing and Commissioning of 2 phase EHV transmission line between Grid substation & Traction sub station along with civil works.
- d) Detailed foot by foot survey.
- e) Civil works like construction of maintenance facilities, approach /temporary roads, water supply, new / modification/extension of FOB/ROB, residential quarters, service buildings, storm water drains etc.
- f) Design, Engineering, Supply, Erection, Testing and Commissioning of General Electrical service works.

- g) Procurement of material as per IRS/RDSO/CORE specification and from the approved vendors, storage at strategic locations (yards) for issue of the same for erection.
- h) BHEL may supply certain material as free issue and contractor to erect and commission the same.
- i) Arranging Right of Way [ROW] / compensation for approach road, land for intermediate /main yard as deemed necessary for work completion.
- j) Coordinating with railway authorities for obtaining traffic blocks / work permit for execution on running tracks.
- k) Obtaining EIG [Electrical Inspector General] sanction, obtaining CRS [Commissioner of railway safety] sanction, approvals from any other statutory authorities like DOT and handing over to maintenance organization of railway etc.
- l) Preparation of MIR and attending progress review meetings.
- m) Resolving punch list /contract closing issues.

#### **4. Inputs to Turnkey contractor by BHEL :**

BHEL will provide the following documents for each specific project to enable Turnkey contractor to render his services

- a) Project information.
- b) Target scope of work.
- c) Specification and specific documents like pegging plan, General supply diagram, wiring cum section diagram and location plan etc.

#### **5. Turnkey contractor Selection Process**

- I. Through this EOI, BHEL intends to identify prospective turnkey contractors in India and abroad.
- II. The process involves seeking willingness of turnkey contractors who make an application in response to this EOI. At the end of this process BHEL intends to invite applicant(s) for further deliberations, as deemed necessary.
- III. Responses to EOI are to be submitted in English only.
- IV. Notwithstanding anything contained in this EOI, BHEL reserves the right to accept or reject any Application 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.
- V. 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.
- VI. 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.
- VII. All costs incurred for participation in the EOI shall be borne by the Applicant (s).
- VIII. Further information can be obtained at the address below during 9.00 to 16.30 hrs. local time. Bidders can also raise queries through email.

**Mr. B. Hari Krishna**

Sr. Manager / Engineering  
PE&SD Building, 2<sup>nd</sup> floor Eastern Wing,  
BHEL, Ramachandrapuram,  
Hyderabad-502032  
Telangana, India.  
Tel: +91-40- 23182263, 23185025  
Email : [bhkrishna@bhel.in](mailto:bhkrishna@bhel.in)

## 6. Information to be submitted along with EOI

Interested parties are requested to submit their technical and financial credentials along with other relevant information in the form of documents listed below by Post/Email.

- i. Company Brochures
- ii. Profile of company indicating type of business and experience in turnkey /EPC works.
- iii. Details of “Empanelment with Railways as Authorized EPC contractor” **if applicable**. Firm may please attach supporting document in this regard.
- iv. Annual turnover of company for turnkey /EPC works for last 4 years.
- v. Details of staff on its permanent role for Turnkey /EPC work. *CV of staff not necessary at this stage.*
- vi. Duly filled in EOI form. Annexure-A. Organizations / company to indicate the nature of turnkey /EPC works with supporting documents like work order, work completion certificate, performance certificate etc.

The details submitted by the Applicant(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 7 days of BHEL request.

**7. EOI information as called for in SI. No 6 shall be reached to BHEL address as indicated in SI. No 5 on or before 24<sup>th</sup> Nov 2017., 2.00 pm**



**EOI Form  
[Annexure-A]**

Firm's ref. No: .....

Date : .....

**Subject:** Response to EOI for Turnkey EPC contractor for Railway electrification.

In response to your EOI, we are pleased to submit the details of our firm as below

1.	Name of the firm						
2	Name of the Proprietor/MD/CEO						
3	Address of firm where work is executed						
4	Contact Details Mobile / Phone No & Email						
5	Turnover and net worth in last 4 years						
	Financial year				Turnover		Net worth
6	Details of Turnkey EPC work <b>Completed or substantially completed</b> in last 7 years [ <i>Turnkey EPC work pertaining to railway Electrification of 30 TKM and above</i> ]						
Sl. No.	Name of work	Brief Scope and responsibilities of work	Name of Client	TKM	Date of award	Date of Completion or % Completion of work as on date	Order value

Any Other information:

(Sign & Company Seal)  
Authorized Signature