



**BHARAT HEAVY ELECTRICALS LIMITED**  
**(A Government of India Undertaking)**  
**NEW DELHI - 110049**

**Notice for Inviting**

Expression of Interest (Eoi) for partnership with BHEL  
for EHV Gas Insulated Substation (GIS) & Hybrid GIS (H-GIS)

Eoi No: BHEL/AA/TL/ 0402

Date of Issue: April 03, 2023

Last date for submission of Eoi response: April 25, 2023



**Subject: Partnership with BHEL for EHV Gas Insulated Substation (GIS) & Hybrid GIS (H-GIS)**

**1) Introduction:**

This Expression of Interest (Eoi) seeks interest from Original Equipment Manufacturers (OEMs) of Gas Insulated Substation (GIS) who are willing to partner with BHEL for GIS & H-GIS in the voltage range of 72.5 kV to 400 kV and/or 800 kV through a suitable partnership mode (long term Technology Transfer Agreement / any other route).

**2) About Bharat Heavy Electrical Ltd (BHEL):**

BHEL is a leading state owned company, wherein Government of India is holding 63.17% of its equity. BHEL is an integrated power plant equipment manufacturer and one of the largest engineering and manufacturing organization in India, catering to the core infrastructure sectors of Indian economy viz. energy, transportation, heavy engineering industry, defence, renewable and non-conventional energy. The energy sector covers generation, transmission and distribution equipment for thermal, gas, hydro, nuclear and solar photo voltaic. BHEL has been in this business for more than 50 years and has supplied equipments accounting for more than 57% (approx. 180 GW) of the total thermal generating capacity in India. BHEL is also listed in Indian stock exchanges. BHEL has 16 manufacturing units, 4 power sector regions, 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 88 countries including Malaysia, Oman, Iraq, Syria Sudan, Libya, Cyprus, Malta, Afghanistan, Bangladesh, Bhutan, New Zealand etc. with cumulative overseas installed capacity of BHEL manufactured power plants nearing 10,000 MW. The annual turnover of BHEL for the year 2021-22 was around US\$ 2.78 Billion. BHEL's highly skilled and committed manpower of approx. 30000; state-of-the-art manufacturing, R&D facilities and latest technologies helped to deliver a consistent track record of performance since long. To position leading state-owned companies as Global Industrial giant and as a recognition for exemplary performance, Government of India categorized BHEL as "Maharatna Company" in 2013.

The high level of quality & reliability of BHEL products is due to adherence to international standards by acquiring and adapting some of the best technologies from leading companies in the world, together with technologies developed in its own R&D centres.

Our ongoing major technology tie-ups include agreements with Siemens Energy Global GmbH & Co. KG., Germany (for Steam Turbines, Generators and Condensers); MHI, Japan (for Flue Gas Desulfurization Systems); Leonardo S.p.A, Italy (for Super Rapid Gun Mount); GE Tech. GmbH, Switzerland (for Steam Turbine for Nuclear Power Plant); Vogt Power International, USA (for Heat Recovery Steam Generators); Indian Space Research Organization (ISRO) (for Space Grade Lithium-

[\*Note: Currency conversion rate considered: 1 US \$=Rs. 76.20 as on 31<sup>st</sup> March 2022]



Ion Cells); CSIR-IIP (PVSA based Medical Oxygen Plant); NANO Company Ltd., Korea (for SCR Catalysts); HLB Power Company Ltd., Korea (for Gates and Dampers); Kawasaki Heavy Industries, Japan (for Stainless Steel Coaches for Metros); Valmet Automation Oy, Finland (for DCS System); Babcock Power Environmental Inc., USA (for Selective Catalytic Reduction Systems) and Sumitomo SHI FW Energia Oy., Finland (for Circulating Fluidized Bed Combustion Boiler).

BHEL has a wide and rich experience in the design and manufacturing of HV (Indoor/outdoor) and EHV (outdoor) switchgears of up to 400 kV class. Its production units are equipped with latest and state of art manufacturing facilities. The in-house ultra-high voltage testing facilities are equipped to test equipments up to 1100 kV as per IEC standards.

For more details about BHEL, please visit our website <http://www.bhel.com>

### 3) Eol process:

OEMs having proven technology and experience, and are willing to partner with BHEL through a suitable partnership mode (long term Technology Transfer Agreement / any other route) to address business of EHV Gas Insulated Substation (GIS) & Hybrid GIS (H-GIS) in the voltage range of 72.5 kV to 400 kV and/or 800 kV, are requested to submit response along with following documents latest by **April 25, 2023 (Tuesday)**:

- i. Proposed mode for partnership (long term Technology Transfer Agreement / any other route)
- ii. Company background
- iii. Technical features/data sheet
- iv. Product catalogue
- v. Reference list etc.

Based on the responses received and further discussions with respondents, BHEL shall separately seek proposals from prospective partners for partnership under a specific mode.

### 4) Contact Details:

The respondent shall submit their response with supporting documents (soft/hard copy) duly signed at the following address:

**Additional General Manager**  
Corporate Technology Management (CTM)  
Bharat Heavy Electricals Limited  
BHEL House, Siri Fort  
New Delhi – 110049, India  
Phone: +91 11 66337377 / 7198  
Mobile: +91 9958181792 / +91 7838293044  
Email: [techeoi@bhel.in](mailto:techeoi@bhel.in)

## 5) Miscellaneous:

### 5.1 Right to accept or reject any or all Applications:

5.1.1 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 therefore. In the event that BHEL rejects or annuls all the applications, it may, at its discretion, invite all eligible OEMs/suppliers to submit fresh applications.

5.1.2 BHEL reserves the right to reject 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.

5.1.3 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.

### 5.2 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 the EoI process.