



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

Invitation to Partner with BHEL through Joint Venture (JV) route for

- i) Electrolyser System for Hydrogen Production
- ii) Hydrogen Cylinders
- iii) Hydrogen Cylinders Testing Facility

Notice No: BHEL/AA/JV/ H2

Date of Issue: April 12, 2023

Last date for submission of response: May 03, 2023

Subject: Invitation to partner with BHEL through Joint Venture (JV) route for

- i) Electrolyser System for Hydrogen Production**
- ii) Hydrogen Cylinders**
- iii) Hydrogen Cylinders Testing Facility**

1) Introduction:

Bharat Heavy Electricals Limited (BHEL), a leading Central Public Sector Enterprise of Govt. of India (www.bhel.com) catering to the core infrastructure sectors of energy, transportation, heavy engineering industry, defence, renewable & non-conventional energy etc. is seeking interest for partnering with BHEL through a Joint Venture route to address the following Hydrogen economy businesses:

- i) Electrolyser System for Hydrogen Production
- ii) Hydrogen Cylinders
- iii) Hydrogen Cylinders Testing Facility

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-Ion Cells); CSIR-IIP (PVSA based Medical Oxygen Plant); NANO Company Ltd., Korea (for SCR



Bharat Heavy Electricals Limited

New Delhi-110049, India

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).

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

3) Partnership process:

Interested Parties **either having proven technology/product and/ or having experience in the value chain of the above-mentioned areas** are requested to submit their response against the notice to below mentioned address (in hard/soft copy) along with details on

- i. proposed model for partnership,
- ii. company background,
- iii. value chain experience,
- iv. technical features/data sheet, product catalogue, reference list and
- v. annual report/financial statements etc.

latest by May 03, 2023. Interested parties should be willing to co-invest with BHEL in the proposed JV. Interested parties may also apply as a consortium.

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

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 6337377 / 7323/ 7220
Mobile: +91 9958181792
Email: techeoi@bhel.in

5) Miscellaneous:

5.1 Right to accept or reject any or all Applications:

- 5.1.1 Notwithstanding anything contained in this notice, BHEL reserves the right to accept or reject any application and to annul the 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 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. 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 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 process.