



MATERIAL MANAGEMENT (PURCHASE)  
CENTRAL FOUNDRY FORGE PLANT, BHEL HARDWAR  
RANIPUR, HARIDWAR (INDIA) – 249403  
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Ref: FF/PPX/EOI/2022-23/01

Dt: 23.01.2023

**Sub: Notification for Expression of Interest (EOI).**

Dear Sir / Madam,

We are pleased to invite offer as per enclosed notification for Expression of Interest for the under mentioned description.

Description	Opening date and time.
EOI for “Consultancy to Establish National facility for Casting &Forging”	25.02.2023 at 2:00 PM (IST)

Please visit [www.bhel.com](http://www.bhel.com) or [www.hwr.bhel.com](http://www.hwr.bhel.com) for details of EOI and Offer must be enclosed in sealed cover on which EOI Ref: FF/PPX/EOI/2022-23/01 and the due date MUST BE written and be invariably sent under REGISTERED POST / SPEED POST/ COURIER / Dropped in the Tender Box: addressed as follows:

To,

THE HEAD OF MATERIALS MANAGEMENT,  
Central Foundry Forge Plant,  
Bharat Heavy Electricals Limited,  
HARIDWAR-249403 (Uttarakhand), INDIA.

TENDER ROOM is located at: Sub-Contracting Building, Near Main Admin. Building, BHEL-CFFP, Haridwar.

Yours Faithfully,

For & On behalf of CFFP, BHEL, Hardwar

(Manoj Kumar Yadava)  
Manager (Purchase)

**Note:**

1. Corrigendum if any shall not be published, kindly refer websites for any changes.
2. Details of Notification for Expression of Interest (EOI) enclosed.



**FOUNDRY TECHNOLOGY**  
**CENTRAL FOUNDRY FORGE PLANT**  
**BHARAT HEAVY ELECTRICALS LIMITED**  
**RANIPUR, HARIDWAR, UTTARAKHAND, INDIA-249403**  
**Phone No. +91-1334-281699**  
**e-mail: [ansudhakar@bhel.in](mailto:ansudhakar@bhel.in) / [lagrawal@bhel.in](mailto:lagrawal@bhel.in)**

Date: 11<sup>th</sup> January 2023

**NOTIFICATION FOR EXPRESSION OF INTEREST**

**EOI FOR "CONSULTANCY TO ESTABLISH NATIONAL FACILITY FOR CASTINGS & FORGINGS AT CFFP, BHEL, HARIDWAR"**

Central Foundry Forge Plant (CFFP), BHEL, Haridwar was setup in 1976 to manufacture Steel Castings and Forgings to cater to in-house requirement of all BHEL units and capable of manufacturing castings up to 60T (single piece) weight and up to 120T piece weight (cast welded) and Forgings up to 35T piece weight. At present CFFP is capable of making various steel grades viz; Stainless Steels, Creep Resistant Steel/ Super Critical Steel, High/Low Alloy Steels, Plain Carbon Steels etc.

CFFP has evolved itself as a major producer of heavy weight steel castings and forgings required for Thermal and Hydro utility sets, Industrial Turbines, Pulverisers, Traction motors and other requirements of BHEL. Apart from fulfilling internal requirements of BHEL, the unit has executed major orders for shipyards (A/P Brackets for frigates and destroyer class ships of Indian Navy), ordnance factories (Turret castings for T72 tanks and trawls) and steel industries. CFFP, has recently developed and manufactured 20.7 MT Alloy 625 grade casting which is world's heaviest in the category.

Under the "AATMANIRBHAR BHARAT" drive by Government of India, BHEL being one of the Maharatna Public Sector Undertakings and CFFP happens to be one of the major castings and forgings manufacturer, especially with the optimum mix of experienced and qualified engineers (mostly from IITs/ IISc) along with requisite infrastructure, it is prudent to establish national facility at CFFP to make the nation self-reliant to curtail the imports as much as possible in castings and forgings of all kinds.

As a part of this movement, BHEL would like to take a lead role, especially in the field of castings & forgings to emerge as a single-point solution for strategic imports by establishing national facility.

Accordingly, we are looking for consultants having core competency to provide the following deliverables:

**A. SCOPE OF CONSULTANCY**

1. To assess the available technical know-how, capability, and capacities/ facilities at CFFP vis-à-vis the exhaustive list of facilities and capabilities required for developing CFFP into a centre of excellence for castings and forgings, especially from import substitution perspective.
2. List out the complete list of products/ business sectors that can be targeted as a part of indigenization followed by the corresponding CAPEX and skill set required vis-à-vis the gap areas for each.
3. Scope of consultancy includes the following major requirements (list is not exhaustive, but indicative):
  - a. Assessing the current market scenario, future projects/ business potential (including Government, Private and Multinational), and the road map for the projected investment envisaged as a part of creating centre of excellence at CFFP.
  - b. Assessing the existing product profile, facilities and technical expertise vis\_a\_vis the requirements to establish CFFP as a centre of excellence for castings & forgings as import

substitution. Identify the gap areas and mark the road map for bridging the gap with requisite facilities and technical know-why and know-how from relevant experts (to be arranged/ liaisoned)

- c. The complete investment details considering the erection, commissioning and prove out of each equipment along with details of probable suppliers for each equipment.
- d. Suggesting and co-ordinating for acquiring state of art technology, for such of products for which gap is identified.
- e. Assistance, guidance and liaising with the concerned technical consultants for know-how and with the OEM manufactures or suppliers of CAPEX items.
- f. Preparing detailed Project Report to submit to concerned ministry/ other authorized agencies as applicable. Assisting and co-ordinating with the BHEL representatives till the requisite approvals are obtained from concerned agencies.
- g. Process know how selection
- h. Submission of Detailed Project Report.
- i. Responsibility of successful commissioning and prove out of the capex (optional).

**B. PRE-QUALIFICATION CRITERIA:**

1. Vendor must have executed at least two similar projects (proof of successful execution has to be submitted and shall be verified by BHEL).
2. Vendor must have been in the similar services since more than three years.
3. The minimum total outlay of the executed projects (individually) must be greater than Rs 500 Crores.
4. Vendor must have excellent track record of successful completion of such projects within the committed deadlines.

**Interested parties are requested to submit their expression of interest along with the following:**

- a. Documents related to (B) Pre-Qualification Criteria for evaluation of their offer in line of point A.
- b. Organization setup.
- c. Planning & Designing for the execution of the intended project outcome.
- d. Budgetary quote for carrying out the entire scope. However, the budgetary quote for the optional point must be separate.