



PPX-DABG DEPARTMENT
BHARAT HEAVY ELECTRICALS LIMITED
HEEP: HARDWAR-249 403 (Uttarakhand)
FAX: +91 1334 226462
TEL: +91 1334 28 5462
E-mail: akshukla@bhel.in

Ref: PPX-DABG/EOI/23-04/07

Date: 15/03/2024

Notice Inviting Tender for empanelment of Indian manufacturers to manufacture Gear Box Assembly of Super Rapid Gun Mount (SRGM) manufactured by BHEL

Bharat Heavy Electricals Limited (BHEL), a leading Central Public Sector Enterprise of Govt. of India company which is an integrated power plant equipment manufacturer and one of the largest engineering and manufacturing organizations in India, catering to the core infrastructure sectors of Indian economy viz. energy, transportation, industry, non-conventional energy and Defence. BHEL has been in the business for more than 59 years and has supplied more than half of power producing equipment installed in the country. Defence and Aerospace Business Group of Heavy Electrical Equipment Plant (HEEP), one of the major manufacturing units of BHEL located at Haridwar, Uttarakhand, is manufacturing Naval Guns for Indian Navy since 1994. **We are looking for reputed Indian manufacturers to manufacture Gear Box Assembly of Super Rapid Gun Mount (SRGM) manufactured by BHEL**

The offers received will be technically evaluated by BHEL & successful shortlisted parties will be asked to submit their detailed Techno-Commercial offers through formal NIT/Enquiry, for our future requirements. Vendors shall confirm that there is no deviation with respect to BHEL Specifications. However, deviations, if any, are to be listed as a separate attachment. The offers that do not meet the substantial requirements of our specifications are liable to be ignored.

Documents as per Annexure -2 (enclosed) are to be necessarily filled and submitted along with the technical offer.

Only Technical BID is to be submitted along with the documents mentioned above. The envelope containing the offer shall be duly sealed and super scribed as **“to manufacture Gear Box Assembly of Super Rapid Gun Mount (SRGM) manufactured by BHEL against Reference No. PPX-DABG/EOI/23-24/07, SUBMITTED BY (Name of company)”**.



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The last date for submission of Technical offers is **05/04/2024**. The Technical Offers complete in all respect must be addressed to

HEAD OF MATERIAL MANAGEMENT,
Heavy Electrical Equipment Plant,
Bharat Heavy Electricals Limited,
HARIDWAR-249403 (Uttarakhand), INDIA.

Technical offers should reach before 13:45 Hrs (IST) of closing date of NIT. Late offers will not be considered in any case. BHEL will not be responsible for any type of postal delay / incomplete information from vendor. For any further clarifications, feel free to contact the undersigned.

(Ashutosh Shukla)
DY MANAGER (PPX-DABG)

Expression of Interest for Empanelment of Indian manufacturers to manufacture Gear Box Assembly

Introduction:

This Expression of Interest (EOI) seeks response from prospective Indian vendors who are capable of manufacturing of **Gear Box Assembly** and are willing to associate with Bharat Heavy Electricals Limited (BHEL) – HEEP, Haridwar.

Bharat Heavy Electricals Limited (BHEL), is a Central Public Sector Enterprise of Govt. of India company which is an integrated power plant equipment manufacturer and one of the largest engineering and manufacturing organizations in India, catering to the core infrastructure sectors of Indian economy viz. energy, transportation, industry, non-conventional energy and Defence. BHEL has been in the business for more than 59 years and has supplied more than half of power producing equipment installed in the country.

Broad Scope:

Manufacturing of components including material sourcing as per BHEL documents. Exploded view are attached as per Annexure-1.

After successful manufacturing, testing & acceptance by BHEL, the development of manufactured item (s) shall be declared successful. BHEL is expecting 20 nos. of same job order from its customer in future. BHEL presently intends to empanel a suitable Indian vendor for manufacturing these component (s) as per the response received from vendors.

Interested Parties having prior experience of manufacturing of similar components & proven manufacturing capabilities are requested to submit their response along with required documents (Annexure-2) latest by **05/04/2024**.

In case any clarification is needed, parties may contact as per following details:

Ashutosh Shukla

Defence and Aerospace Business Group,

Heavy Electrical Equipment Limited,

Bharat Heavy Electricals Limited (BHEL), Ranipur,

Haridwar, Uttarakhand.

M: 7893845256 Email Id: akshukla@bhel.in

ESSENTIAL FACILITIES REQUIRED & SCOPE OF WORK

1. Details of Training Power Drive Assy.

A. Gear Box

- a. Upper and lower Casings-Aluminium alloy castings
- b. Gears and splines manufacturing
- c. Fitting and assembly

B. Motor ,Brake, Tachometer and silicone Gasket to be purchased from supplier mentioned in drawing(all imported).

2. Details of Elevation Power Drive Assy.

A. Gear Box

- a. Upper and lower Casings-Aluminium alloy castings
- b. Gears and splines manufacturing
- c. Fitting and assembly

B. Motor ,Brake, Tachometer and silicone Gasket to be purchased from supplier mentioned in drawing(all imported).

3. Details of Hoist Gear Box Assy.

A. Gear Box

- a. Upper and lower Casings-Aluminium alloy castings
- b. Gears and splines manufacturing
- c. Fitting and assembly

B. Hydraulic Motor to be purchased from supplier mentioned in drawing(imported).

Major facilities & experience in following is desired from probable vendor

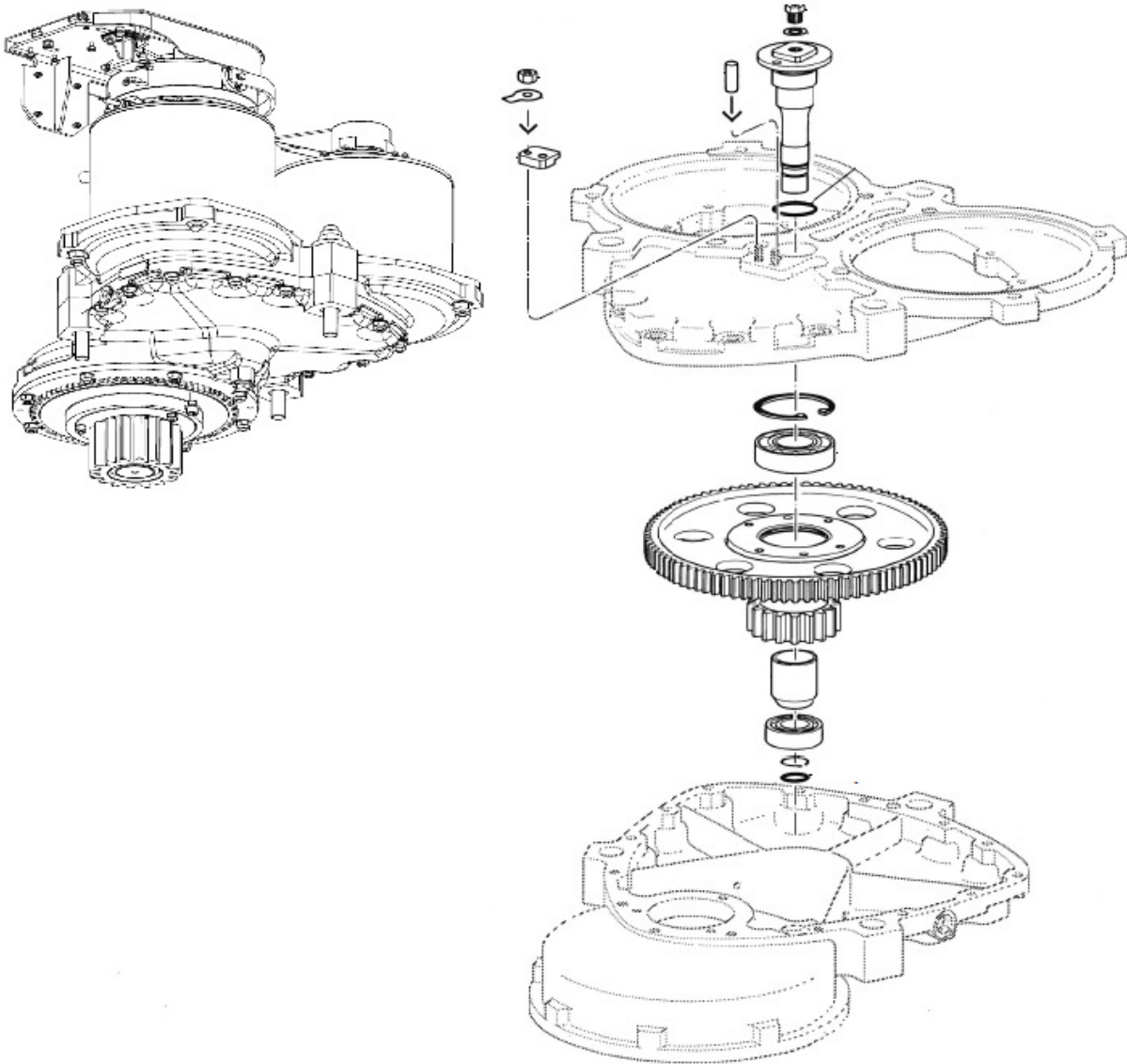
- a. Facility for Aluminium alloy casting (Inhouse/Outsourced)
- b. Facility for RT /UT/ LPT tests of Aluminium alloy casting(Inhouse/Outsourced)
- c. Gear cutting M/c (Inhouse)
- d. Welding capability. WPS/PQR to be furnish.

- e. Adequate experience in manufacturing ,integration, assembly and testing of similar items (assembly and integration of gears in casings and testing)
- f. Surface Hardening facilities(Inhouse/Outsourced)
- g. Heat Treatment facility (Inhouse/Outsourced)
- h. Coating facility like phosphating, passivation, zinc nickel coating, alodization, hard anodic coating.(Inhouse/Outsourced).
- i. Painting facility (Inhouse/Outsourced)

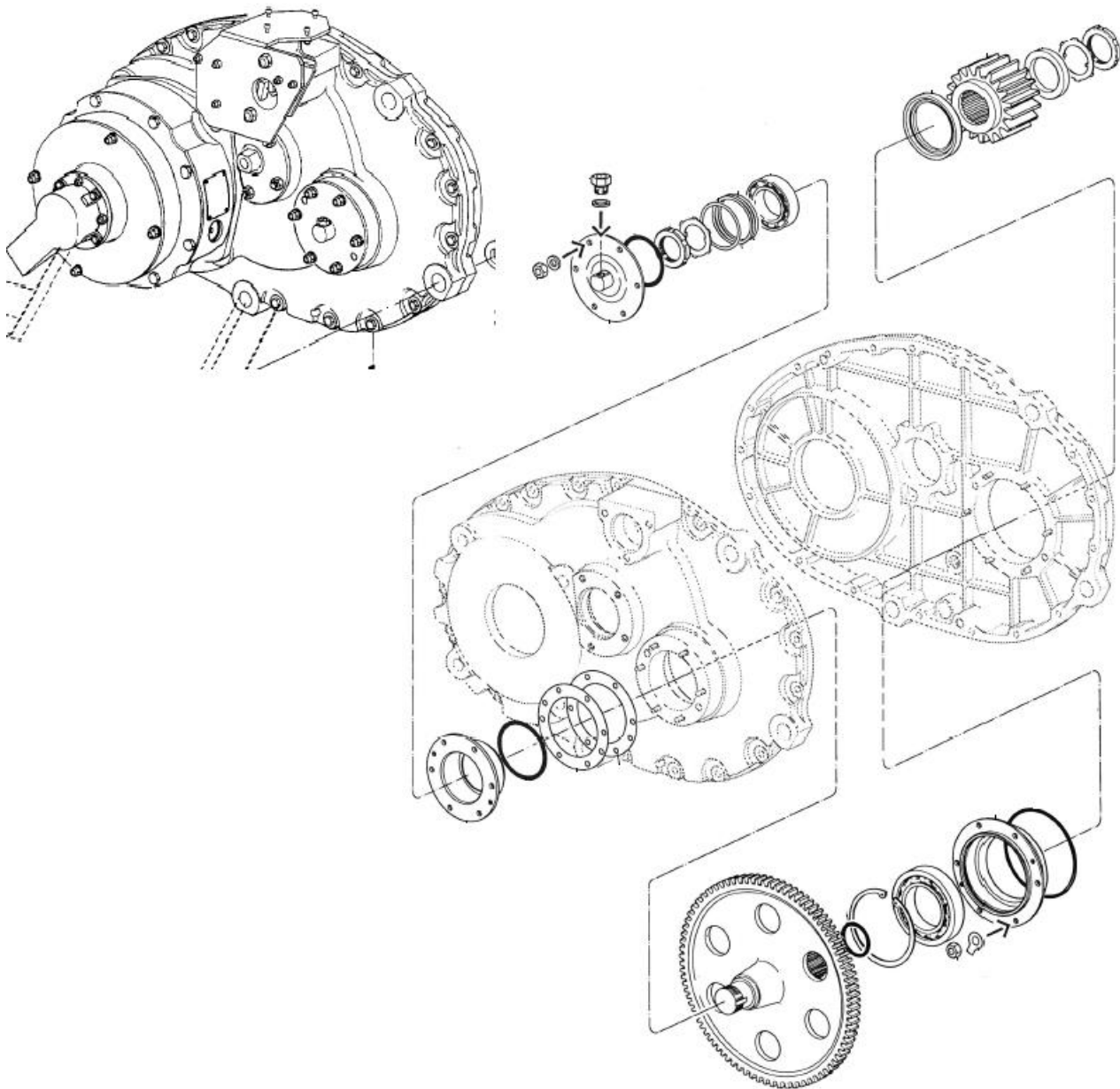
Scope of Work

- a. With vendor material, Procurement of Raw Material, electrodes/fillers etc, in vendor scope (Complete material to be used is in vendor scope)
- b. Manufacturing and assembly of items as per drawing.
- c. Casting as per Drawing.
- d. acceptance norms for castings shall be as per drawing.
- e. Welding as per Drawing.
- f. acceptance norms for welding shall be as per drawing.
- g. Heat Treatment .
- h. Surface hardening as per Drawing.
- i. Coating as per Drawing.
- j. Painting as per Drawing.

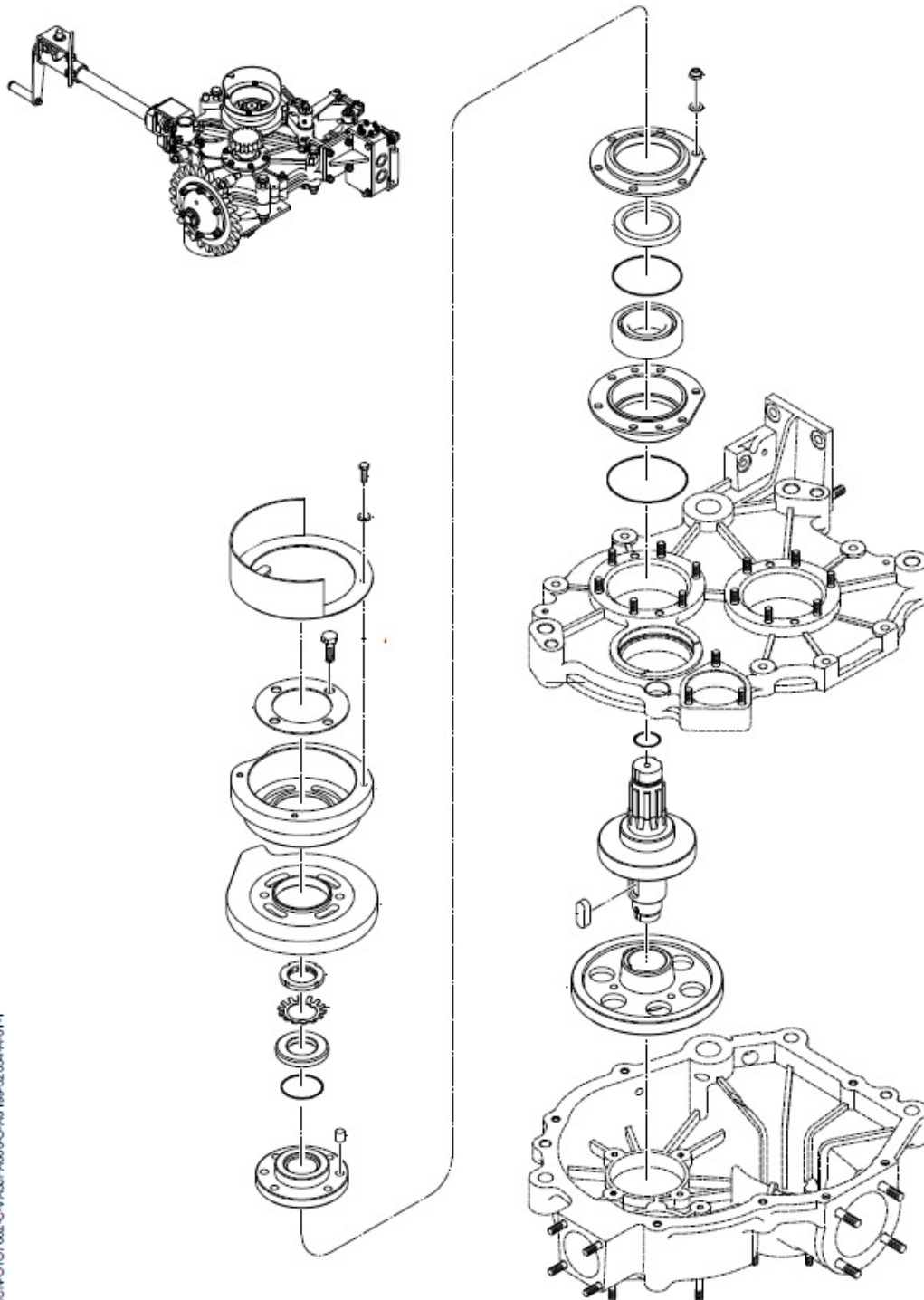
VIEW OF TRAINING POWER DRIVE ASSY.



VIEW OF ELEVATION POWER DRIVE ASSY.



VIEW OF HOIST GEAR BOX ASSY.



LIST OF DOCUMENTS

1. Organisational Information – Name and Correspondence Address of the Firm/ Company to be registered.
2. Registration particulars – If registered with any of the BHEL Units
3. Manufacturing Facilities:
 - a. List of Manufacturing Facilities/Equipment's
 - b. Details of facilities for Casting of aluminium alloy
 - c. Details of facilities for manufacturing of Gears and splines
 - d. Details of Heat Treatment facility .
 - e. Details of facilities for Welding.
 - f. Details of facilities for Surface Hardening.
 - g. Details of facilities for Coating.
 - h. Details of facilities for Painting.
4. Inspection and Testing facilities – List of Inspection & Testing facilities / Equipment available.
5. Details of similar products.
6. Prior experience of manufacturing of similar components.
7. Unpriced PO copies executed for similar components.
8. Standard Quality Plan
9. Quality Management System - Whether Supplier is ISO 9001, ISO 14000, OHSAS – 18000 Certified.
10. List of Enclosures (Brochures, Catalogues etc.).
11. Financial Information.