

## 'Expression of Interest' for Machining of ARV WZT3 Hull Structure

### **1. Objective:**

BEML Limited is a Defence PSU under the Ministry of Defence (MoD), Govt. of India.. BEML HDT vehicles are mainly used for General Service and special projects carrying super structures as per MOD requirement. As part of indigenous program, the overhauling of ARV WZT3 is taken up. In this regard, BEML intends to identify reputed manufacturers having in-house capability for Manufacture and supply of military Armoured Fitting vehicle / Armoured Recovery Vehicle aggregates and associate in integration and testing.

### **2. ARV WZT3 Brief:**

Every modern defence equipment cannot be used on the today's battlefield without technical support. Also tanks require it. For their efficient operation, they need support from vehicles with the same mobility, range and protection, which cover following tasks:

- Recovery and repair of combat vehicles;
- Engineering works;
- Air defence;
- First aid and wounded evacuation.

Despite of the fact that, from the construction point of view, rather different types of vehicles are required to accomplish these considerable variety of tasks, in WZT-3 the maximum unification of parts and components has been achieved in order to obtain economic production, easy maintenance and crew training. A high degree of operational readiness of a combat unit is achieved by diminishing of the time required for routine servicing, maintenance and repair of damaged vehicles. For this purpose, the operating personnel must have good technical training and be familiar with the vehicle and the spare parts support system.

Constructions of the ARV WZT-3 which covers special tasks discussed within items 1,2 and 3 as well as the special bridge laying vehicle named BLT T-72 covering a task as in item 4, have been derived from the main battle tank T-72.

Design of the ARV WZT-3, main assemblies and sub-assemblies chassis have been derived from the main battle tank. Construction of the ARV WZT-3 has been accommodated to provide support for the combat vehicles within the range described in the hereby document.



### 3. Scope of work:

Based on the response from Interested Firms for this EOI, Separate RFQs will be floated to shortlist one capable firm.

NDA and MoU will be signed with the final firm evaluated in the RFQ. BEML will issue the Hull Structure required for Machining.

The machining of per number ARV WZT3 Hull Structure to be completed within 15 working days after receipt of hull structure.

Total 25 Numbers of Hull Structure to be machined.

Machining scope and parameters with sketch as per attached PDF “**ARV WZT3 Hull final machining scope**”

- 1) DGQA / CQA clearance of the machined Hull Structure will be vendor responsibility.
- 2) Required Tools, Tackles, fixtures will be vendor responsibility.
- 3) To and fro transportation of the Hull structure will be BEML responsibility.
- 4) Hull Structure is made of armoured steel plate up to 80mm thickness, weighing 14 Ton with hardness of 320 BHN.

#### **4. Pre-Qualification Criteria:**

Interested firms shall fulfill the following criteria while submitting the EoI.

- i. Firm having more than 5 years of experience in machining of heavy fabricated structure for 14 Ton weight and 320 BHN Hardness.
- ii. Firm should have 5 Axis CNC machining center of 10M L X 4M W X 2M H
- iii. Firm should have proper material handling facilities; i.e Crane -20 Ton to handle 14 Ton Hull Structure.
- iv. Firm should have surface table of size 10M X 4M and CMM to check the dimensions as per drawing and QAP.
- v. Firm with sound financial status – Consistently profit making for the past 3 years.
- vi. Firm should be certified for the latest Quality Management System.

**5. Details of the firm to be provided with necessary supporting documents:**

1. Company Registration certificate indicating name of the firm, year of establishment, incorporation details, Members of the Board, URL of the firm's website.
2. Name of the contact person, address, Telephone, Fax & email
3. Number of years of experience in machining of heavy fabricated structure for 14 Ton weight and 320 BHN Hardness.
4. Brief on your machined components which are in-service equipment.
5. Detailed Technical Capabilities, manufacturing facilities, test facilities of the firm.
6. Copy of the Supply Orders to brief the past and similar ongoing projects, if any.
7. Details of IT infrastructure and certificates of quality management system of the firm.
8. Financial performance documents (Audited Balance sheets and Profit & Loss statements etc.) with details of turnover for last three (3) years
9. Details of Contract(s) or order(s) terminated before completion, if any
10. Details of any premature termination of job/supply order/contract for Min of Defence, India or any other Government / Quasi Government organization in India.
11. Value of largest two projects executed in last 5 years
12. Capability to furnish Bank guarantees.
13. Details of important customers

**Note:** The responses from Firms that are black listed/restricted by Government of India or its Agencies will not be considered.

**6. Submission of EOI:**

In this context, Eoi in sealed cover, Providing all details, documents and certificates shall be submitted by interested reputed firms, superscribing "**Expression of Interest' for Machining of ARV WZT3 Hull Structure**" on or before 20.11.2019, 14.00Hrs to below address,

**Dy.General Manager – Defence Purchase**

**BEML Limited, EM Division**

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