

'Expression of Interest' for Development of Steering column Assy. for BEML Heavy Duty Truck (HDT)

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 development and production of Steering Column. In this regard, BEML intends to identify reputed developer and supply of Steering Column and associate in integration and testing. Annual consumption of Steering column are more than 600 numbers.

2. i) Steering column:

The driver's steering column, as shown in fig. below, steering column assy with telescopic and tiltable in nature to be provided. Necessary trim for steering column assy has to be provided by supplier. Steering column should be adjustable in height as well as horizontally to drivers convenience.

The column is to be fitted with a steering wheel of suitable diameter meeting CMVR requirements. Steering wheel of 470mm with horn pad to be provided.

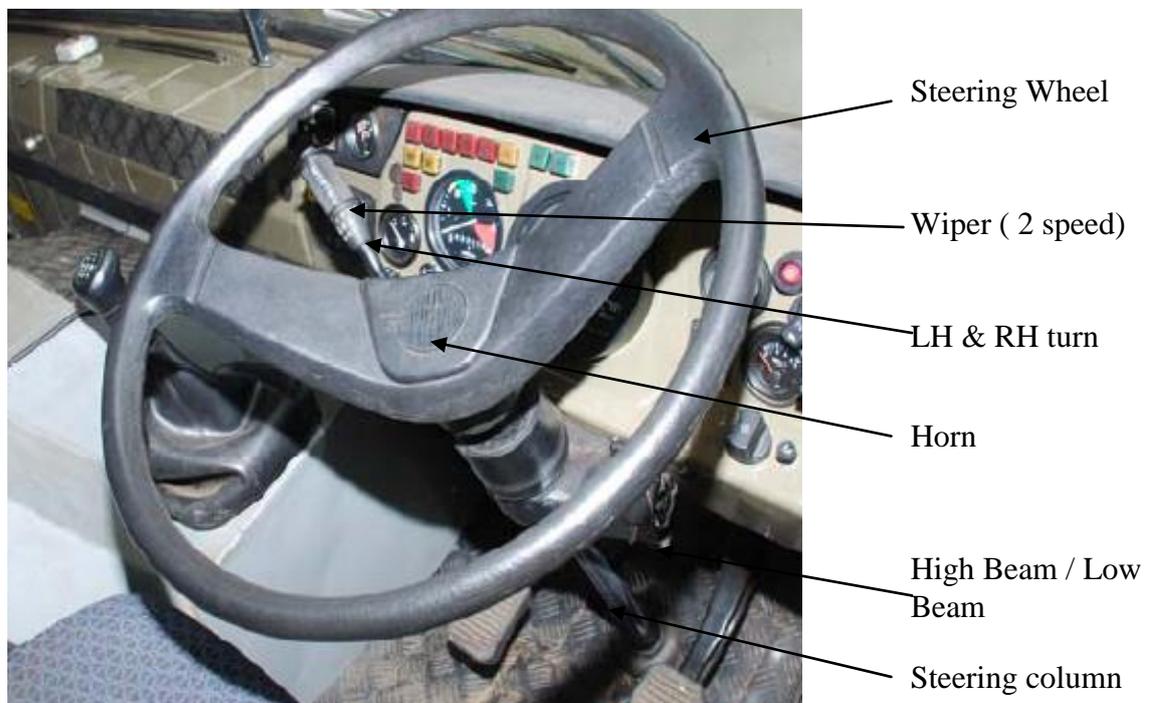


Fig 1: Steering Column with horn pad

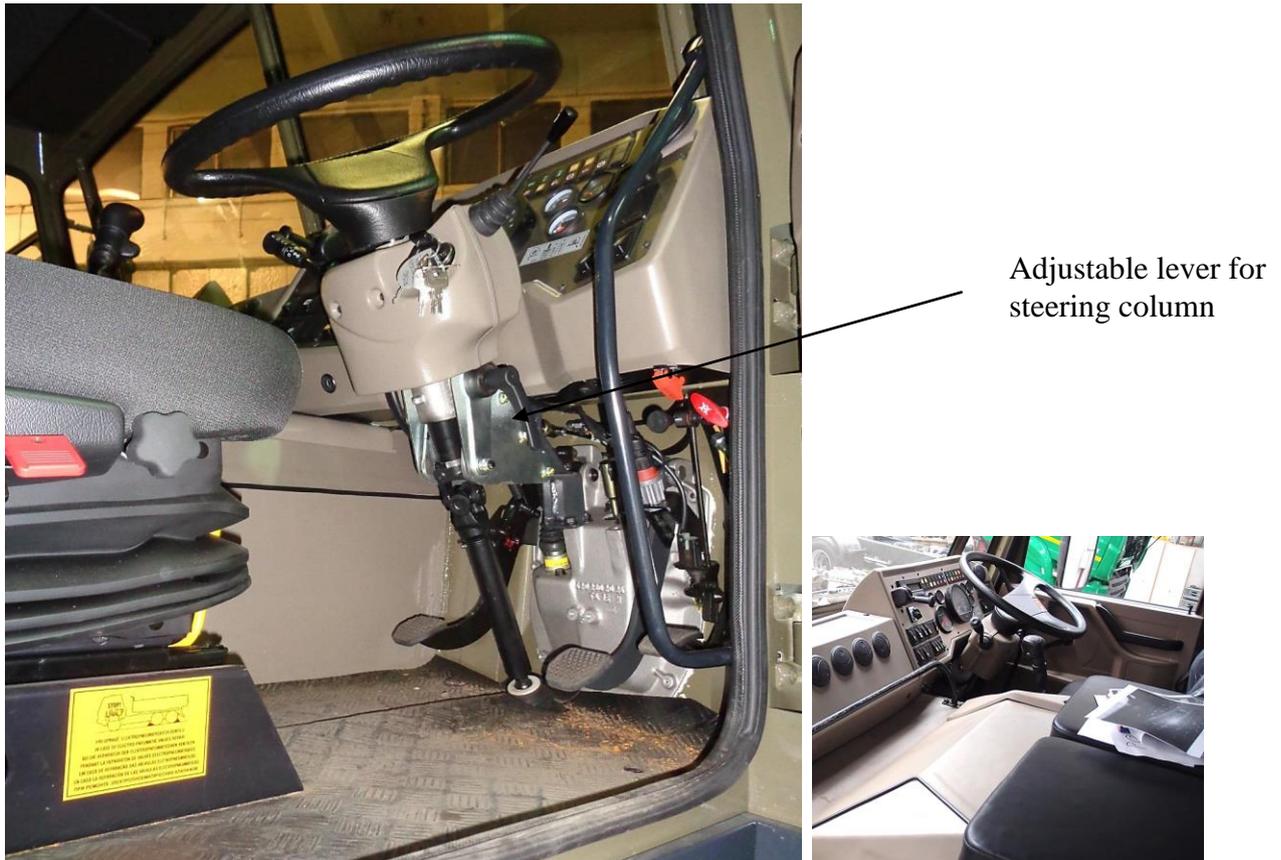


Fig 2: Mounting of steering column inside cabin

Steering column assy should be equipped with a Combination switch.

Single lever switch with functionality for

1. Pneumatic Horn
2. Wipers (2 Speed)
3. High beam / Low beam
4. pass Beam
5. LH & RH turn

Single or double lever combination switch with required functionality shall be used, to suit the proposed steering assembly.

Steering column assy should be equipped with vehicle lock key (3 position- Vehicle Standby, On, Off) switch provision.

Steering column assy should be equipped with universal joint having shaft end matching with the ZF steering gear box for easy interfacing.

Steering column assy should be equipped with suitable mounting bracketories matching the cabin structure panels.

2. Scope of work:

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

NDA and MoU will be signed with the final firm evaluated in the RFQ. BEML will issue drawing & specifications to the firm.

- A. The steering column development and Production is planned in three phases
- 1) Development stage: 5 sets steering column to be developed within 1 month of contract.
 - 2) Pilot Production stage: 10 sets of steering column to be produced based on feedback of prototypes within 1 month from prototype clearance.
 - 3) Bulk Production stage: More than 600 numbers in the first year after pilot batch clearance by BEML/MoD.
- B. The brief scope of work is,
- a. The firm has to offer the steering column assembly for inspection and clearance by BEML.
 - b. Supply the steering column to BEML along with quality records for having complied for materials, processes and dimensions.
 - c. Associate with BEML during integration, furnishing, internal trials and MoD performance evaluation trials.
- C. Firm has to give test certificates along with steering column.

3. Pre-Qualification Criteria:

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

- i. Firm having more than 5 years of experience in design, development, and development of steering column.
- ii. Firm with sound financial status – Consistently profit making for the past 3 years.
- iii. Firm should be certified for the latest Quality Management System.

- iv. EOI may be responded by individual firm or a consortium of firms represented by a lead member. In case of consortium, lead member shall respond to the EOI and will be responsible for the success of the program.
- v. The firm shall have the following basic and essential facilities to qualify to this EOI.
 - a) Latest CAD software & hardware for handling Design & Documentation
 - b) Capability to design and development of steering column.
 - c) Possess requisite for steering column testing facilities as per CMVR.

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

- i. Company Registration certificate indicating name of the firm, year of establishment, incorporation details, Members of the Board, URL of the firm's website.
- ii. Name of the contact person, address, Telephone, Fax & email
- iii. Number of years of experience in design and development of steering column.
- iv. Copy of the Supply Orders to brief the past and similar ongoing projects, if any.
- v. Details of IT infrastructure and certificates of quality management system of the firm.
- vi. Financial performance documents (Audited Balance sheets and Profit & Loss statements etc.) with details of turnover for last three (3) years
- vii. Details of Contract(s) or order(s) terminated before completion, if any
- viii. Details of any premature termination of job/supply order/contract for Min of Defence, India or any other Government / Quasi Government organization in India.
- ix. Value of largest two projects executed in last 5 years
- x. Capability to furnish Bank guarantees.
- xi. Details of important customers

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

5. Submission of EOI:

In this context, Eoi in sealed cover, Providing manufacturing capability details, documents, similar existing product development details, covering letter and certificates (MSME,ISO etc) shall be submitted by interested reputed firms, superscribing **“Expression of Interest’ for development of Steering column”** on or before 14:00 hours of 16.08.2019, to

DGM–Materials
BEML Ltd., Palakkad Complex,
Kinfra Wise Park,
Menonpara Road,
Kanjikode
Palakkad-678 621
Kerala,
India.

For any queries please contact below mentioned details:
Tel(Off):04912568178
Email: pm@beml.co.in

The last date for receipt of EOI at the above address will be as per the information published and will be opened on the same date at 1515 hrs.

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