

**M/s. BEML LIMITED,
BEML SOUDHA,
SAMPANGIRAMNAGAR,
BENGALURU - 560002**

**Invitation for Expression of Interest(Eoi)
for Development & Supply of K-Bogie type Under carriage
for BEML 850 HP dozer**

Reference No : GDD/UC/Dozer/EOI/01/2023 dated 5th July 2023

Due closing date : 4th August 2023, Time : 17 : 00 Hrs

**Eoi response mail : bemleoi@beml.co.in
ID**

**Contact for : Name : BASAVARAJU S
technical Designation : DGM R&D
Clarifications E mail : gdd@beml.co.in
Mobile no :9449619602**

**Issued by
M/s. BEML, Limited
(Under Ministry of Defence)**

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type Under carriage forBEML 850 HP dozer**

1.0 Back ground:

BEML Limited is a leading multi-technology and multi-location company under the Ministry of Defence. BEML is operating its business in three verticals viz., Defence & Aerospace, Mining & Construction and Rail & Metro. It offers high-quality products for diverse sectors of economy, such as coal, mining, steel, limestone, power, irrigation, construction, road building, aviation, defence, metro and railways. It has emerged as the forerunner of heavy engineering industry with a track record of growth and revenues for over five decades.

The company has state-of-the-art manufacturing facilities at Kolar Gold Fields, Mysuru, Bengaluru and Palakkad, all possessing ISO 9001-2015 and ISO 14001 (HSC) certifications. BEML has its own world-class composite R&D establishment for Design & Development of products.

The Company has a nationwide Marketing Network and an International Business Division for Exports activity.

Details of BEML Ltd are available at www.bemlindia.in

2.0 Overview of BEMLCapabilities:

BEML Limited, a Central Public Sector Enterprise coming under the Ministry of Defense was incorporated in 1964. Subsequently it became a listed company and is engaged in the design, development and manufacturing in the areas of Mining& Construction, Defense& Aerospace and Rail & Metro Equipments.

2.1 Mining &Construction:

BEML Ltd is engaged in the business of Hydraulic Excavators, Bulldozers, Wheel Loaders, Wheel Dozers, Dump Trucks, Motor Graders, Pipe Layers, Tyre Handlers, Water Sprinklers and Backhoe Loaders to customers in the Mining and Construction segments.

BEMLis manufacturing Bull dozers from 90 hp to 850 hp and having major market share in Indian Mining and construction.

BEML has also developed Mining Dump trucks of 150 Ton and 200 Ton class and Excavators of both Hydraulic and Electrical of 180 Ton capacity.

2.2Defence &Aerospace:

BEML Ltd is engaged in the business of High Mobility vehicle for all terrain operations, Heavy Recovery Vehicle, Pontoon Mainstream Bridge Systems, Crash Fire Tenders, Mobile Mast Vehicle, Engineering Mine Ploughs, Tank Transportation Trailers, Weapon Loading equipment, Armored Recovery Vehicle, Military rail

Coaches and Wagons, ground support vehicles and other products to the Indian and other Armed Forces.

2.3 Rail & Metro:

BEML Ltd is engaged in the business of Integral Rail Coaches, Overhead Inspection Cars, AC/DC Electrical Multiple Units, Stainless steel EMUs, Utility vehicles, Track Laying Equipment, Broad-gauge Rail bus, Treasury Vans, Spoil disposal Units to the Indian and other Railways.

BEML Ltd has also successfully diversified into manufacturing state-of-the-art technology stainless steel Metro Cars for various urban Metro Corporations and enjoys a dominant market share in this segment.

3.0 Research & Development:

BEML Ltd has R&D establishment for Design & Development of high-tech engineering products for its three verticals. It employs over 300 professionals with high experience and skills spanning a wide range of technology areas.

The R&D establishment has CAD Centre, Fluid-power, Power line, Structural Engineering & Material Science laboratories and is continuously engaged in New Product Development and upgradation of existing products to meet customer requirements. More than 65% of Company's Sales Turnover is through in-house developed R&D products. The R&D expenditure is around 2 ~ 3% of its turnover.

4.0 International Business Division:

BEML has a sizeable market share in export markets with exports to 68 countries across the globe. Over the years this division has exported over 1200 machines covering all the three verticals.

5.0 Requirements:

BEML is planning to upgrade its biggest 850 HP Dozer with **K-Bogie type under carriage** to enhance the operator comfort and to increase the market share, Accordingly, BEML is seeking development of partners for the supply of K-Bogie type under carriage system who are original Manufacturer & Suppliers of K-Type Bogie under carriage for Mining Dozers with proven record. Reputed OEM under carriage manufacturers who are having manufacturing technology /infrastructure for K-Type bogie under carriage and supplied to various Mining equipment and having their after-sales service network in India is mandatory for qualifying criteria.

Subsequent to successful development of K-bogie type undercarriage to 850hp Mining dozer, BEML will explore the development / adaptation of K-bogie type under carriage to other range of BEML mining dozers viz., 350 hp and 450 hp range.

5.1 The supplier shall abide by the following:

- a) Proven K-Bogie Under carriage on Mining crawler Dozer application should be offered as per the scope of supply indicated in Annexure -A
- b) Willingness to develop critical components of K-Bogie under carriage suitable to BEMLequipment (as per BEML specifications). Supplier shall supply complete bogie type under carriage for two equipment and subsequently the critical components of the under-carriage system on mutual agreement for the range of Dozers which are developed under partnership.
- c) Supplier shall be providing the technical support during the design of structural frame for the models which are identified to supplythe undercarriage.
- d) The supply shall include seal kit items and the same shall be identified replacement period & supply the service manual with assembly and disassembly and troubleshooting procedure.
- e) Price of the components shall be of OEM & competitive.
- f) The supplier shall shareall necessary technical documentsincluding 2D drawings and 3D models for the design of structure and details required for engineering the under-carriage items.
- g) Supplier shall offer back-to-backwarranty for its scope of components.
- h) The offered K- Bogie under carriage system shall be suitable for upgradingthe existing BEML equipment.
- i) The supplier shall extend technical support during engineering and performance evaluation.
- j) The supplier shall provide training to BEML engineers/ Customer service personnel for trouble shooting & maintenance of Under carriage.

5.1.2 Qualification criteria:

1. The supplier should be in the business of supply and installation of K-Bogie type Under carriage for Mining crawler Dozers application for a minimum of 5 years and shall provide documentary evidence for the same.
2. The supplier should be an original designer and manufacturer of K- Type undercarriage for Mining Dozers. Necessary Document evidence should be submitted.
3. The firm should not have been debarred / blacklisted by Government of India / any State Government in India / Central or State Government undertaking and shall submit an undertaking from competent authority to that extent.

4. The firm should be possessing certified quality systems ISO 9001, ISO 14000 or any other equivalent system.
5. The supplier shall meet the requirement of clauses 5.1
6. The bidder should furnish the Information on qualification criteria as per the enclosed Format A.

6.0 General:

Prospective supplier should consider following also while submitting the response.

1. Prospective supplier may also be required to enter into a long-term Supply Agreement for Under carriage spares etc .and meet the expected delivery requirements and other Terms & Conditions of RFP / Tender to be issued by BEML on cost basis.
2. Prospective supplier shall provide firm and irrevocable commitment to provide product support in terms of materials, spares, maintenance etc. for a minimum period of 15 years from the date of last supply to BEML.
3. Those who have complied with “YES” for all the criteria indicated in the respective format **A** will be considered for qualification.
4. The supplier may respond for any or all models of BEML equipment.
5. The suppliers who are shortlisted based on the EOI submitted will be contacted for selection of suitable Bogie type Under carriage for the Dozer.

7.0 SUBMISSION OF THE EOI

The EOI response to be submitted online through BEML E-mail: bemleoi@beml.co.in, stating compliance to each point in Annexure A, along with the enclosures to be forwarded by interested reputed firms, in subject "**Eoi For Development & Supply of K-Bogie type Under carriage for BEML 850 HP dozer**"

For any Technical Clarifications, Contact

Name : BASAVARAJU S
Designation : DGM R&D
E mail : gdd@beml.co.in
Mobile no :9449619602

EOI CLOSING DATE IS : 4th August 2023, Time : 17 : 00 Hrs

FORMAT : A

Detailed information sought for Qualification:

Sl. No.	Parameter	YES/NO	Details	Remarks
1	Whether proven K-Bogie type under carriage supplied for Mining Dozers. Application.			If YES, indicate number of K-Bogie Under carriage system supplied in details column and documentary evidence to be provided
2	Willingness to offer K-Bogie type under carriage system and scope of supply of items will be decided mutually to meet BEML requirement. The final acceptance of components and the extent of modification required are solely at the discretion of BEML.			Supplier shall indicate the BEML model/models in the details column for which interested.
3	The supply shall include seal kit items details and service manual containing assembly & disassembly and troubleshooting procedure.			
5	Willing to share all necessary technical documents for the design of structural frame including 2D drawings and 3D models.			
8	The supplier shall extend technical support during engineering and performance evaluation.			
9	The supplier shall supply spares & seal kits necessary for operation of the equipment for a minimum period of 15 years from the date of last supply.			
10	The supplier shall provide training to BEML engineers/ Customer service personnel for trouble shooting & maintenance of the K-Bogie Undercarriage system			

11	The supplier should be in the business of supply and installation of K-Bogie Undercarriage system for mining equipment application for a minimum of 5 years and shall provide documentary evidence for the same.			Documentary evidence to be provided
12	The firm should not have been debarred / blacklisted by Government of India / any State Government in India/Central or State Government undertaking and shall submit an undertaking from competent authority to that extent.			Undertaking to be provided in their letterhead by competent authority.
13	Whether supplier supplied Bogie under carriage for use of dozers for Mining.			If YES, Indicate number of Bogie under carriage systems manufactured and supplied in details column and documentary evidence to be provided