



## MAZAGON DOCK SHIPBUILDERS LIMITED

(Formerly known as Mazagon Dock Ltd.)

**CIN: L35100MH1934GOI002079**

(A Government of India Undertaking)

Dockyard Road, Mazagon, Mumbai 400010. India.

Certified – ISO 9001:2015 for Shipbuilding Division

Website: [www.mazagondock.in](http://www.mazagondock.in)

### EXPRESSION OF INTEREST

Department	:	<b>SB Design-Contract &amp; Marketing</b>
E-mail ID	:	<a href="mailto:mdlmktg@mazdock.com">mdlmktg@mazdock.com</a>
Phone No.	:	<b>022 – 23763070/3069.</b>
Fax	:	<b>022 - 2373 8159</b>
EOI No.	:	<b>MDL/MKTG/MRO/EOI/01</b>
EOI Date	:	<b>15 Mar 2024</b>
EOI Closing date & time	:	<b>08 Apr 2024 at 10:00 Hrs.</b>
EOI Opening date & time	:	<b>08 Apr 2024 at 10:30 Hrs.</b>

### Introduction

1. Mazagon Dock Shipbuilders Ltd Mumbai invites Expression of Interest (Eoi) for **Maintenance Repair and Overhaul (MRO) of Mi-17 V5 helicopter** from reputed Indian firms herein after referred to as MRO Agency based in India having technical and financial capability, infrastructure (owned or leased), requisite licenses/certificates and experience to execute the project. The project will involve dismantling of the grounded helicopter, transportation of the grounded helicopters post dismantling either through sea or Road from other countries to the works of MRO agency. The project will also involve certification of airworthiness, OEM Certification, arranging spares as required and delivery within strict timelines.

2. **Objective:** The Objective of the Eoi is to prequalify and shortlist capable Indian MRO agencies who have the technical and financial capability for undertaking the MRO of Russian origin Mi-17 V5 Helicopters of other countries in India. A limited tender enquiry / Pre-Bid enquiry will be issued to the shortlisted agencies in the event of MDL receiving an enquiry for MRO of Mi-17 V5 helicopter.

### Details of Work

3. **Scope of Work.** The scope of work includes:

(a) MRO of **Mi-17 V5 helicopters (Russian origin)** in India by reputed firms.

Brief details on envisaged scope of the MRO Mi-17 V5 helicopter are placed at **Annexure-1**.

(b) The task encompasses development of requisite Jigs fixtures test bench facilities, their installation, commissioning, including sending the engines, MGB, APU and other aggregates to the OEM/OEM approved overhauling plant, getting the repair and overhaul facilities for all associated aggregates of the aero-engine, undertaking functional testing post Maintenance Repair and Overhaul (MRO) of the Aeroengine, packing and dispatch of spares etc.

(c) It is to be noted that, the testing of Mi-17 V5 helicopter would be undertaken in accordance with pre-specified procedure by the deemed OEM and the Quality Manager/CAMO of the overhauling organisation.

4. The MRO Agency would need to study the function and testing requirement in respect of each Mi-17 V5 helicopter on a case to case basis, so as to conceptualise the facility required to be set-up. The MRO Agency has to independently carry out all the mentioned activities, within pre-stipulated timelines. The overall quality control would be exercised by the licensed personnel / the competent authority of the country owning the helicopters or agency authorised by them and/or OEM.

5. **Airworthiness Requirements.** Meeting all airworthiness requirements shall be the responsibility of the firm to comply with the OEMs requirement as per its manuals / maintenance documents or due certification from the competent authority and requested by the country owning the helicopter.

6. **Eol Response:** Hard copy of the response to subject Eol may be submitted in person or through courier or speed post, at the address mentioned at Para 7 below up to **08 Apr 24 by 1000 hrs**. For any queries about Eol, firms may contact at 022-2376 3070/3069 between 0900 hrs to 1700 hrs till 01 Apr 24 or e-mail at **mdlmtg@mazdock.com**. Vendor desiring to visit MDL for discussions will be facilitated by the Design-Contract & Marketing Dept.

7. **Place, Time and Date of Bid Submission:** The Eol/Bid may be submitted upto 08 Apr 24 by 1000 hrs. The bid opening time is 1030 hrs on 08 Apr 24. The bid to be submitted/forwarded to Design-Contract & Marketing dept., Mazagon Dock Shipbuilders Limited, 1st Floor, West Block, Dockyard Road, Mazgaon, Mumbai-400010. Contact details 022-2376 3070/3069. It is the responsibility of the vendor to ensure the bid reached before the due date and time if forwarded through speed post or courier. The MRO Agency Information is to be filled as per **Annexure 2**.

### **Eligibility Criteria**

8. Only Indigenous firms based in India with or without JV with OEMs or possessing experience in MRO of Mi-17 V5 Helicopter.

9. Following documents/evidence are expected to be submitted by interested firms willing to undertake the MRO:

(a) **Financial Capacity**. Details of financial capability of interested firms in the form of Balance Sheet and ITR of last three financial years including average turnover, certified by a CA.

(b) **Certification**. The following certificates has to be provided along with the response to the EOI:

- i. Quality certification
- ii. MRO Agency who has JVs with OEM will have to produce OEM support certificate from OEM.
- iii. Any other relevant certificates

(c) **Registration** Details of registration status of the firm as per Companies Act including MSME/ NSIC certification, if any.

(d) **Work Experience**. Agency in India to provide details of experience in undertaking, MRO with Defence, Govt. PSUs or any other agencies. Purchase orders of projects in hand/ / completion certificates of the completed Overhaul of Mi-17 V5 Helicopter.

(e) **Technical Capability**. Firms responding to Eoi should have following pre-qualification and must submit documents to support their eligibility.

Sl. No.	Technical Capability	MRO Agency to specify
1.	<b><u>Agreements</u></b> . MRO agency's Agreement with OEM / Russian regulatory authority approved Repair Station for undertaking MRO of Mi-17 V5 Helicopter clearly stating its approvals.	{The required response for each case to be specified here} such as "Compliant" or "Non-Compliant". If compliant, provide substantiating documents with the response.
2.	<b><u>Manpower</u></b> . Vendor to have valid certified, trained and licensed manpower including engineers, technicians, certifying staff and quality management officers on company payroll	
3.	<b><u>Infrastructure (Owned or Leased)</u></b> . Vendor to possess hangar facilities, overhaul workshops, component shops and relevant labs either with itself or with its technical partner.	
4.	<b><u>Ground Equipment</u></b> . Availability of relevant Ground Equipment and Calibration services with Vendor.	
5.	<b><u>Test Benches</u></b> . Availability of required test benches, jigs and specialized tools for shop work to be listed by Vendor.	

Sl. No.	Technical Capability	MRO Agency to specify
6.	<b><u>Spares and Parts.</u></b> Declaration from vendor on willingness to supply required spares and parts of Mi-17 V5 helicopter and provide support 12 months from completion of MRO.	
7.	<b><u>CAMO.</u></b> The vendor must have its own DGCA approved CAMO to take care of the continued Airworthiness.	

10. Eol response would be evaluated based on supporting documents and physical verification of company's capability to execute the project by members of MDL if required.

11. Clarifications pertaining to Eol may be sought from the following address: -

**Mazagon Dock Shipbuilders Limited**  
**Dockyard Road, Mazagon, Mumbai-400 010**  
**Tel: 91(22) 2376 3070/3069**  
**Fax: 91(22) 2373 8159**  
**E-mail: [mdlmktg@mazdock.com](mailto:mdlmktg@mazdock.com)**

12. This information is being issued with no financial commitment and MDL reserves the right to change or vary any part thereof at any stage. MDL, also reserves the right to withdraw it, should it be so necessary at any stage.

Date: 15 Mar 2024

**Annexures:**

Annexure-1: Schedule of Requirement.

Annexure-2: MRO Agency Information Proforma.

**SCHEDULE OF REQUIREMENT**

1. **Details of Work: MRO of Mi-17 V5 helicopters**

SI No	Part No	Description
a)	Mi-17 V5	Helicopter

2. **Additional Aspects**

SI No	Envisaged Scope of work	MRO Agency to Specify
(a)	<p>Detailed scope of work for MRO of Mi-17 V5 helicopter and technical specifications are appended below:-</p> <p>(i) Lifing of Mi-17 V5 helicopter (heptr) and its aggregates after overhaul shall be 2000 hrs / 08 yrs and as per the service bulletin issued by the designer. Provide the SB number which will govern the life after overhaul.</p> <p>(ii) During overhaul all the major aggregates like Main Rotor Blades, tail rotor cable, other control cables, Aircraft Storage Batteries, Wire Strike Protection System, Safety belts, Aircraft clocks, Main/Nose landing gear tyres and KM-32A Oxygen masks may have to be replaced with new ones irrespective of their life. Additionally, rubberized fuel tanks, EPUBs filled in fuel tanks will be replaced with new ones in case found defective/life expired. However, exact scope of work shall be as defined by the owner/OEM/applicable SB.</p> <p>(iii) MRO of major aggregates like VR-14 Main Gear Box, both VK-2500-03 / TV3117VM Aeroengines, SAFIR / AI9V APU and transmission aggregates to match assigned TBO/ TTL life of helicopter after overhaul of helicopters , based on its balance available total technical and economic life as per individual passports / log cards.</p> <p>(iv) Transportation of helicopters along with aggregates one or both ways by the MRO Agency. The grounded helicopters may have to be dismantled and transported by sea/Air as applicable.</p>	<p>The required response for each case to be specified here such as – Confirm Compliance</p>

SI No	Envisaged Scope of work	MRO Agency to Specify
	<p>(v) Repair and Overhaul of the helicopters and aggregates are to be strictly carried out conforming to approved procedures/processes and specifications prescribed by the OEM / Design Bureau as per the latest bulletin in vogue. In addition, compliance certificate to this effect to be provided at the time of handing over of the original documents.</p> <p>(vi) Confirmation that all structural repairs to the helicopter against corrosion and damage will be carried out. Corrosion removal is to be done as per OEM / designer publication, if found corroded to be replaced with the new ones. If found damaged, to be repaired as per the maintenance documents.</p> <p>(vii) Confirmation that all upholstery fitted in helicopter will be replaced by new ones.</p> <p>(viii) Confirmation that all tyres, tail rotor blades, wheels Hubs, Brake Units, batteries and glasses (heated and organic), Main Rotor Blades, Aircraft Storage Batteries, Wire Strike Protection System, Safety belts, Aircraft clocks, Main/Nose landing gear tyres and KM-32A Oxygen masks will be replaced with new ones with full TBO and TTL irrespective of their condition.</p> <p>(ix) Fuel, oil, lubricants will be replenished. The MRO Agency will use fuel for Air Tests, etc. at his own cost.</p> <p>(x) All Rubberized Hoses/Pipelines will be replaced with new ones in complete aircraft as per OEMs instructions.</p> <p>(xi) All electrical looms to be checked for condition and reliable functioning. Repair / replacement as necessary to be part of overhaul checks.</p> <p>(xii) Confirmation that all unmodified stabilizer fitted in helicopter will be replaced by modified stabilizer.</p> <p>(xiii) The helicopters are to be painted in the prevalent scheme of painting in vogue with Owner. Complete helicopters to be painted internally and externally with marking. Existing paint on the helicopters to be stripped to bare metal state and new three coats of approved paint to be applied after complete corrosion treatment and proper surface preservation to be done.</p> <p>(xiv) All publications sent along with each helicopter will be</p>	

SI No	Envisaged Scope of work	MRO Agency to Specify
	<p>handed over along with the helicopter after overhaul. The complete set of wiring diagram and covers for each helicopter applicable is to be provided for the helicopters.</p> <p>(xv) All bulletins as applicable on date of overhaul will have to be incorporated. A certificate duly authenticated by the overhauling plant that all bulletins applicable as on date of overhaul has been carried out will be furnished. The status indicating bulletins incorporated during overhaul along with the date of issue of each bulletin will be endorsed on the helicopter's logbooks.</p> <p>(xvi) The MRO Agency will be responsible for installation &amp; removal of engine, APU, MGB and other transmission items from the time of taking over at the owners location / premises till handing over to buyer post-overhaul of such aggregates like Engines/APU/MGB etc along with helicopter. The helicopter will be handed over by the customer with duly preserved and stored sub components/accessories/aggregates and entries made in the respective log books/passports.</p>	
(b)	<b><u>Certificate of Compliance.</u></b> To be issued by the overhauling agency / OEM or certified by the competent authority of the owner.	
(c)	<b><u>Quality Assurance Cover.</u></b> To be provided by the Quality department / licensed personnel undertaking the overhaul or the OEM	
(d)	<b><u>Warranty.</u> 18 months or 300 flying hrs whichever comes earlier for the helicopter and its aggregates, or as provided by the respective overhauling agency. The same will be directly passed to the client.</b>	
(e)	<b><u>Infrastructure.</u></b> MRO Agency (s) should be able to demonstrate capability & capacity to undertake MRO Agency site (Hangar) visit (s) to verify these aspects.	

**Annexure 2**

**MRO AGENCY INFORMATION PROFORMA**

1. Name of the MRO Agency/Company/Firm.

(Company profile including share holding pattern, in brief, to be attached)

2. Type (Tick the relevant category).

Original Equipment Manufacturer (OEM): Yes/No

Authorised MRO Agency: Yes/No (if yes, attach details such as certificate to perform MRO of Mi-17 V5 Helicopter issued by Mi-17 helicopter OEM or OEM certified MRO agency or Russian Regulatory authority)

Others (give specific details):

3. Contact Details.

Postal Address:

City:

State:

Pin  
Code:

Tele:

Fax:

e-mail:

Mobile:

4. Local Branch/Liaison Office in Mumbai (if any).

Name &Address:

Pin code:

Tel:

Fax:

Mobile:



5. Financial Capability Details.

- (a) Category of Industry (Large/medium/small Scale):
- (b) Annual turnover for last three years in Rs :
- (c) Number of Employees with qualification details in Firm's payroll:
- (d) Details of Manufacturing /MRO Infrastructure:

6. **Technical Capability Details:** Earlier contracts executed in India with Defence / Government agencies for **same class of Helicopter**

Contract Details with Ref Number	Equipment	Quantity	Cost

7. **Certification by Quality Assurance Organisation / Military Airworthiness.**

Name of Agency	Certification	Applicable from (Date & Year)	Valid till (Date & Year)

8. **Details of Registration (if any).**

Agency	Registration	Validity up to (date)	Equipment
GeM			
DGAQA			
DGCA CAR-145			
DGCA CAR-M			
Any other Government Agency			

9. **Membership of FICCI /ASSOCHAM /CII or other Industrial Associations.**

**Name of Organisation:**

**Membership Number:**

10. **Service Profile for Assessment of Work Experience.**

- (a) Whether OEM or MRO Agency:
- (b) Name and address of foreign collaborator (if any):
- (c) Industrial License Number (if any):
- (d) Status (MRO in hand / completed):
- (e) Mi-17 V5 Helicopter MRO capacity in one year.
- (f) Countries/agencies where MRO services provided earlier (give details):
- (g) Details of JV with OEM if any:

11. **Undertaking:** The following undertaking has to be submitted.

“It is certified that the MRO Agency has adequate capability for MRO for the Mi-17 V5 Helicopter including requisite spares”.

12. **Declaration:** It is certified that the above information is true and any change will be intimated **within seven days of submission of EoI.**