

Eol Ref: CTPAM/Eol/FPIIC/ATV/2025/307

Date: 25.03.2025

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B	EML	SOU	DHA,

23/1, 4<sup>th</sup> Main

## SAMPANGIRAMA NAGAR,

**BENGALURU - 560027** 

**Notice Inviting** 

**Expression of Interest (Eol)** 

for Technology tie-up

## For

# All-Terrain Vehicle (ATV) for Indian Army

Reference No:	CTPAM/Eol/FPIIC/ATV/2025/307
Due closing date:	28.04.2025
Eol response mail ID:	bemleoi@bemlltd.in
Contact for Clarifications:	Mr. Madhusudhan BH, General Manager(O)-R&D FPIIC, Bangalore Complex, BEML Ltd., Bangalore, Karnataka, INDIA Email: <u>madhusudhan.bh@bemIltd.in</u> Mobile: +91-7406897591

## **Issued by**

# **BEML LIMITED**

(Schedule 'A' Company under Ministry of Defence, Govt. of India)



Azadi Ka Amrit Mahotsav EOI Ref: CTPAM/EOI/FPIIC/ATV/2025/307

Date: 25.03.2025

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		litigation
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#### **SECTION-1**

#### Disclaimer

The information contained in this Expression of Interest (EoI) document provided to the Prospective Collaborator(s), by or on behalf of M/s BEML Ltd., or any of its executives or advisors, is provided to the Prospective Collaborator(s) on the terms and conditions set out in this EoI document and all other terms and conditions subject to which such information is provided.

- 1. The purpose of this Eol document is to provide the Prospective Collaborator(s) with information to assist the formulation of their proposal. This Eol document does not purport to contain all the information each Prospective Collaborator may require. This Eol document may not be appropriate for all persons, and it is not possible for BEML Ltd., its executives or advisors to consider the business/investment objectives, financial situation and particular needs of each Prospective Collaborator should conduct his own investigations and analysis and should check the accuracy, reliability and completeness of the information in this Eol document and where necessary obtain independent advice from appropriate sources.
- 2. BEML Ltd., its executives and advisors make no representation or warranty and shall incur no liability under any law, statute, rules or regulations as to the accuracy, reliability or completeness of the EoI document.
- 3. BEML Ltd., may, in its absolute discretion, but without being under any obligation to do so, modify, amend or supplement the information in this EoI document.
- 4. The issue of this EoI does not imply that BEML Ltd., is bound to select and shortlist any or all the Prospective Collaborator(s). Even after selection of suitable Prospective Collaborator, BEML Ltd., is not bound to proceed ahead with the Prospective Collaborator and in no case be responsible or liable for any commercial and consequential liabilities in any manner whatsoever.
- 5. The Prospective Collaborator(s) shall bear all costs associated with the preparation, technical discussion/presentation and submission of response against this EoI. BEML Ltd., shall in no case be responsible or liable for these costs regardless of the conduct or outcome of the EoI process.
- 6. Canvassing in any form by the Prospective Collaborator(s) or by any other agency on their behalf shall lead to disqualification of their EoI.



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- 7. Notwithstanding anything contained in this EoI, BEML Ltd., reserves the right to accept or reject any application and to annul the EoI process and reject all applications, at any time without any liability or any obligation for such acceptance, rejection or annulment and without assigning any reasons, thereof. In the event that BEML Ltd., rejects or annuls all the applications, it may at its discretion, invite all eligible Prospective Collaborators to submit fresh applications.
- 8. BEML Ltd., reserves the right to disqualify any applicant during or after completion of EoI process, if it is found there was a material misrepresentation by any such applicant or the applicant fails to provide within the specified time, supplemental information sought by BEML Ltd.,
- 9. BEML Ltd., reserves the right to verify all statements, information and documents submitted by the applicant in response to the EoI. Any such verification or lack of such verification by BEML Ltd., shall not relieve the applicant of his obligations or liabilities hereunder nor will it affect any rights of BEML Ltd.,



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## SECTION-2

#### Schedule of Eol process & Contact details

#### A. Schedule of Eol process

The schedule of activities during the Eol Process shall be as follows -

SI.No.	Description	Date
01	Issue of EoI Document	25.03.2025
02	Last date of Submission of Eol response	28.04.2025

#### B. Contact Details related to Eol

Mr. Madhusudhan BH,
General Manager(O)-R&D
FPIIC, Bangalore Complex, BEML Ltd.,
Bengaluru, Karnataka, INDIA
Email: madhusudhan.bh@bemlltd.in
Mobile: +91-7406897591

Note:

Submission of the Eol

The EoI shall be submitted **before 28.04.2025 through email only** mentioning EoI reference: CTPAM/EoI/FPIIC/ATV/2025/307 dtd 25.03.2025 in Subject to <u>bemleoi@bemlItd.in</u>

Queries if any, may be forwarded to madhusudhan.bh@bemlltd.in and <u>bemleoi@bemlltd.in</u>



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#### SECTION-3

## ABOUT BEML LIMITED

- a. BEML Limited is a leading multi-technology and multi-location company under the Ministry of Defence operating under three major Business verticals viz., Mining & Construction, Defence & Aerospace and Rail & Metro which are classified into 12 SBU's & 2 Micro SBU's. The three verticals are serviced by manufacturing units at four locations viz Bengaluru, Kolar Gold Fields (KGF), Mysuru and Palakkad.
- b. BEML offers high-quality products for diverse sectors of economy such as Defence, aviation, coal, mining, steel, limestone, power, irrigation, construction, road building, metro & railways.
- c. BEML has emerged as the forerunner of heavy engineering industry with a track record of growth and revenues for over Six decades. For further details please visit our website <u>www.bemlindia.in</u>

More details about the entire range of BEML's products and operations can be viewed by visiting our web site <u>www.bemlindia.in</u>



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#### **SECTION-4**

#### **Details of Expression of Interest (Eol)**

#### 4.1 Introduction:

BEML invites Expression of Interest (EoI) from the Prospective Collaborator(s), who are willing to be associated with BEML Ltd., through a License & Technology Collaboration Agreement (**TCA**) for joint development of All Terrain Vehicle (ATV) for Indian Army to enable BEML Ltd., to Design, Engineer, Manufacture, Assemble, Test, Supply, Field Install, Commission, Repair, Service and Retrofit. Ministry of Defence, Govt of India intends to procure All Terrain Vehicle (ATV) under Buy (Indian-IDDM) Category of Chapter II of Defence Acquisition Procedure (DAP) 2020. Buy (Indian)-IDDM Category refers to the acquisition of from an Indian vendor for the products that have been indigenously designed, developed and manufactured with a minimum of 50% Indigenous Content (IC) on cost basis of the base contract price i.e., total contract price less taxes and duties.

The latest version of DAP 2020 can be accessed on GOI, MoD website: <u>https://mod.gov.in/dod/defence-procurement-proc--dap</u>.

#### 4.2 Scope of Cooperation:

BEML Ltd., is seeking Expression of Interest(s) from Prospective Collaborator(s) through (TCA) for joint development of All Terrain Vehicle (ATV) for Indian Army. The TCA shall enable BEML Ltd., to Design, Engineer, Manufacture, Assemble, Test, Supply, Field Install, Commission, Repair, Service and Retrofit All Terrain Vehicle (ATV) for Indian Army. The Prospective Collaborator(s) meeting the Prequalification requirements (PQR) as specified in clause 4.3 below are invited to submit their response to this EoI, as per indicative scope of technology transfer given in **Annexure-1**. Upon receipt of response(s) against this EoI, BEML Ltd., will review the response(s) to ascertain suitability of the offer and shortlist Prospective Collaborator(s) for further discussions. Detailed discussions on commercial and other terms and conditions to finalize the TCA shall be held with shortlisted Prospective Collaborator(s). The detailed terms and conditions for said TCA shall be mutually agreed upon.



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#### 4.3 Pre-qualification requirements (PQR)

The Prospective Collaborator(s) shall meet following qualification requirements as on the date of submission of EoI (to be substantiated by a documentary evidence): 1. The Prospective Collaborator should have designed, engineered, manufactured, tested, supplied and commissioned similar Terrain vehicle (broad technical specifications at Annexure-3) and such equipment should have completed at least three (03) years of service as on date of closing of this EoI. OR

2. The Prospective Collaborator should have designed similar Terrain vehicles (broad technical specifications at Anenxure-3) and their designed equipment should have completed at least three (03) years of service as on date of closing of this Eol.

#### Note:

Prospective Collaborator (s) shall take the responsibility for transfer of know how in the area of Design, Engineer, Manufacture and testing of All Terrain Vehicle (ATV) for Indian Army to BEML Ltd., within the specified timeframe.

#### 4.4 Instructions:

**4.4.1** The interested Prospective Collaborator(s) should submit their response(s) along with enclosed annexures on or before **28.04.2025**.

**Annexure-1**: Indicative Scope of Technology Transfer.

**Annexure-2**: Prospective Collaborator's Experience in the field of All Terrain Vehicle (ATV) for Indian Army.

**Annexure-3**: General technical specifications of All Terrain Vehicle (ATV) for Indian Army proposed for TCA.

**Annexure-4**: Reference List: The Prospective Collaborator's major supplies in last 15 years.

Annexure-5: Eol response format.

Annexure-6: Certificate as to Authorized Signatories.

**Annexure-7:** Declaration by the Prospective Collaborator regarding litigation.

Annexure-8: Declaration by the Prospective Collaborator regarding blacklisting.

**4.4.2** The response shall necessarily be accompanied with following details:

1. Company background



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- 2. Product Profile
- 3. Technical details
- 4. Reference list of customers
- 5. Annual Audited financial reports for last 3 (three) years.

**4.4.3 Language:** All correspondences and documents related to the Eol response shall be in English language, provided that any printed literature furnished by the Prospective Collaborator(s) may be written in another language, as long as such literature is accompanied by a translation of its pertinent passages in English language in which case, for purposes of interpretation of the bid, the English translation shall govern, provided that in case the English translation is found to be incorrect at a later stage, BEML Limited will have right to take appropriate action against the Prospective Collaborator as may be deemed fit.

**4.4.4** The Prospective Collaborator(s) shall abide by the terms & conditions, as applicable, of the EoI.

**4.4.5** All pages of the response against this EoI shall be duly signed by the authorised signatory. Over writing should be avoided. Copies of the credentials/ documents which are to be annexed must be self-attested and bear the signature and seal of the authorized signatory / authorised representative of the interested Entity/Firm/Company. The interested Entity/Firm/Company will be requested to produce the originals of all information / documents as and when so required by BEML.

**4.4.6** Multiple proposals from the same Prospective Collaborator should not be submitted.

**4.4.7** BEML Ltd., at its discretion shall inspect the Prospective Collaborator's works/office/reference site premises for the purpose of evaluation, as deemed necessary before selection of Collaborator. BEML Ltd., decision in this regard shall be final.

**4.4.8** Any Prospective Collaborator which has been declared insolvent, bankrupted, debarred/blacklisted by Central/State Governments of India or by any entity controlled Page 9 of 29

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by Central/State Governments of India from participating in any of their project, as on date of submission of EoI, shall not be eligible to submit the EoI.

**4.4.9** BEML Ltd., shall receive applications pursuant to this EoI in accordance with the terms set forth herein, as may be modified, altered, amended and clarified from time to time by BEML Ltd., and all applications shall be submitted in accordance with such terms on or before the date specified in this EoI for submission of applications.

In case any amendment/corrigendum to this Eol is issued, it shall be notified only at www.bemlindia.in. which shall form part of this Eol

**4.4.10** Restrictions on Prospective Collaborator from a Country which shares a Land Border with India:

- a) Interested Prospective Collaborator from a country which shares a land border with India will be eligible to respond to this EoI only if interested Prospective Collaborator is registered with Competent Authority (Registration Committee constituted by the Department of Promotion of Internal Trade (DPIIT) of Govt. of India). Such registration should be at least valid for the entire period of EoI due date or any extension thereof.
- b) Interested Prospective Collaborator from a country which shares a land border with India means: a) An entity incorporated, established or registered in such country; or b) A subsidiary of an entity incorporated, established or registered in such country; or c) An entity substantially controlled through entities incorporated, established or registered in such country; or d) An entity whose beneficial owner is situated in such a country; or e) An Indian (or other) agent of such an entity; or f) A natural person who is a citizen of such a country; or g) A consortium or joint venture where any member of the consortium or joint venture falls under any of the above.

**4.5 REJECTION**: An Expression of Interest is liable to be rejected for any of the following conditions:

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4.5.1 The Expression of Interest is not accompanied by required documentation and has failed to provide clarifications related thereto, when sought by BEML.

4.5.2 Misrepresentation, lack of proper documentation, fraud, coercion, undue influence, canvassing etc.

4.5.3 The Expression of Interest is received after the closing time and date. If any information which would have entitled BEML to reject or disqualify the applicant becomes known after the applicant has been qualified, it reserves the right to reject the applicant at that time or at any time after such information becomes known to BEML.

#### 4.6. PROCESS TO BE CONFIDENTIAL:

Information relating to the examination, clarification, evaluation and comparison of EoI and recommendations shall not be disclosed to Prospective Collaborator(s). Any effort by Prospective Collaborator(s) to influence BEML Ltd., in processing of EoI or selection decisions may result in the rejection of the response against EoI.

#### 4.7 GOVERNING LAWS & JURISDICTION:

The EoI process shall be governed by, and construed in accordance with the laws of India and the Courts at Bangalore (India) shall have exclusive jurisdiction over all disputes arising under, pursuant to and / or in connection with the EoI process. Foreign entity interested for collaboration with BEML for All Terrain Vehicle (ATV) must have necessary clearance from their Govt. for Technology Sharing/ Transfer & Collaboration.



2	Eol for technology tie up for All Terrain Vehicle ( <i>i</i>	ATV) for Indian Army	BEAL
sav Eol Ref:	CTPAM/EoI/FPIIC/ATV/2025/307	Date: 25.0	03.2025
		An	nexure-1
	Indicative Scope of Technology		
SI.N o.	Descriptio	on	
(a)	Licensing & transfer of state-of-the-art Engineer, manufacture, Assemble, Test, S Repair, Service and Retrofit All Terrain Vehicl	Supply, Field Install	, Commission
(b)	Transfer of improvements / modifications / carried out by the Prospective Collaborator(s) care of new market requirements and obsoles due to component obsolescence or upda Collaborator(s) due to safety consideration wo	) during the period of cence. Subsequent u ates implemented I	TCA for taking
(c)	Assistance in planning & establishing the testing facilities & processes / suitable aug facilities / processes by way of expert advic selection and preparation of specification of manufacturing, their layout and foundation etc Deputation of Collaborator's expert for co	new manufacturing, gmentation at BEML ce in terms of ident equipment / machine c.	Ltd.'s existing ifying, sizing a ery required fo
(d)	facilities, design of special tools and dies, jigs Support through engineering services from Co		fice /
(e)	manufacturing facilities for licensed products. Training of BEML Ltd., engineers to Design-I Engineer, Manufacture, Assemble, Test, Sup Repair, Service and Retrofit the All Terrain V	ply, Field Install, Con	nmission,
(f)	Deputation of Collaborator's experts to as technology for licensed products.	· · · ·	-
(g)	Transfer of applicable Proprietary software/c and source code, if any.	computer programs in	ncluding logics
(h)	During the field trials and regular operation, carried out to improve the performance/reliabil be transferred to BEML Ltd., with complete know	lity of the system the	•
(i)	Technology being proposed should be the late by the Prospective Collaborator.	est / state-of-the-art be	ing marketed
(j)	Transfer of information to enable BEML Ltd., Prospective Collaborator sources from ot manufactured by the Prospective Collabora (ATV) for Indian Army.	her vendors (as t	hese are no
(k)	3D models & Analysis to be carried out. 2D developed components are to be prepared. off-the-shelf or proprietary components dra respective suppliers. 2D layout drawings are to components including system wise. Casting prepared only for critical components.	Installation or Mount awing may be rece o be prepared for all s	ing drawings of eived from the sub assembly of



Azadi <sub>Ka</sub>		Eol for technology tie up for All Terrain Vehicle (ATV) for India	n Army	बी ई एम एल BEML
E	sav Eol Ref:	CTPAM/EoI/FPIIC/ATV/2025/307	Date: 25.0	3.2025
	(I)	Deputation of BEML engineers to work with collaborator absorb the technology/process being followed for licensed	•	
	(m)	Collaborator should enter in to a joint agreement on Inte (IPR) with BEML Ltd.,	ellectual F	Property Rights



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Date: 25.03.2025

Annexure-2

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#### Prospective Collaborator's Experience in the field of All Terrain Vehicle (ATV) for Indian Army

		ri
SI. No	Requirement	Prospective Collaborator's response YES/NO and remarks, if any
(a)	Whether the Prospective Collaborator is an Original Equipment Manufacturer (OEM) of proposed All Terrain Vehicle (ATV) for Indian Army or similar Vehicle.	
(b)	Whether documentary evidence to substantiate the below PQRs has been submitted by Prospective Collaborator.	
(c)	The Prospective Collaborator should have designed, engineered, manufactured, tested, supplied and commissioned similar Terrain vehicle (broad technical specifications at Annexure-3) and such equipment should have completed at least three (03) years of service as on date of closing of this Eol.	
	OR	
	The Prospective Collaborator should have designed similar Terrain vehicles (broad technical specifications at Anenxure-3) and their designed equipment should have completed at least three (03) years of service as on date of closing of this Eol.	
(d)	Whether information on market share has been enclosed.	
(e)	Whether Prospective Collaborator's detailed reference list have been enclosed.	
(f)	Whether Prospective Collaborator's annual audited financial reports for last 3 years have been enclosed.	
(g)	Whether the All Terrain Vehicle (ATV) for Indian Army or similar Terrain Vehicle offered for technology collaboration is the latest being marketed by the Prospective Collaborator.	
(h)	Whether customers (end users) letters / documentary evidence for satisfactory operation of model for All Terrain Vehicle (ATV) for Indian Army which is being offered to BEML Ltd., under this Eol have been enclosed.	

Azadi <sub>Ka</sub>	Eol for technology tie up for All Terrain Vehicle (ATV) for Indi	an Army बी ई एस एल अष्टिमार्ट
	Ref: CTPAM/EoI/FPIIC/ATV/2025/307	Date: 25.03.2025
(i)	Whether the Prospective Collaborator owns the IPRs for the technology being proposed for transfer under the Technology Collaboration Agreement (TCA) or have an unencumbered right from the owner of the IPRs to sub-license the technology, if applicable. If yes, whether list of such IPRs is enclosed.	

## Signature & Seal:

Authorised Signatory of the Prospective Collaborator



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#### Annexure-3

#### General technical specifications of All Terrain Vehicle (ATV) for Indian Army proposed for TCA

Operating Temperature	(a) Plain and Desert Terrain
operating remperature	Minimum Operating Temperature: Between 0° to 05°
	<ul> <li>C.</li> <li>Maximum Operating Temperature: Between 40°</li> </ul>
	to 45° C.
	(b) High Altitude & Mountain Terrain
	Minimum Operating Temperature: Between (-)20° to
	(-)10° C.
	Maximum Operating Temperature: up to 40° C.
Kerb Weight	Less than 02 Tons.
Power to Weight Ratio Chassis	18:1 (with 600 Kg payload). Wheeled.
ClidSSIS	
Payload capacity	>600Kgs.
Crew	04 members.
Braking	Front and Rear Disc brake.
Range	>400 Kms.
Maximum Speed	More than 40 kmph.
Gradability	Not less than 40°.
Side Slope	Not less than 25°.
Operating in all- weather	Yes.
Suspension	Independent Front and Rear suspension.
Maneuverability	Maximum Speed
	Hard Soil – More than 40 kmph.
	Desert terrain – More than 40 kmph.
	Marshy terrain – More than 40 kmph. Snow Bound – More than 40 kmph.
	Gradeability
	Hard soil – More than 40°.
	Desert terrain – More than 40°.
	Marshy terrain – More than 40°.
	Snow Bound – More than 40°.
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	<b>Side Slope</b> Hard soil – 30°. Desert terrain – 25°. Marshy terrain – 25°. Snow Bound – 25°.
Operating Altitude	Up to 17000 Ft.
Fording Capability	Yes. Minimum depth of water is 2 Ft.
Engine Capacity	<b>Power</b> >150 HP.
	4 X 4 (High & Low), it can switch mode on fly.
Transmission	Automatic Transmission.
Steering	Electro-Hydraulic power steering system.
Wheeled	Wheeled, Spare Tyre - One per vehicle.
Fuel Type	Petrol / Diesel.
Heliportability	By service helicopters held with Indian Armed Force (Chinook/Mi-26) with Tie-downs points in front and rear vehicle for under slung and should be Para droppable.
Emission Standards	BS IV or above.
Cold Start System	Yes. It has the integrated cold engine start system. HVAC to provided.
Roll Cage	Certified ROPS (Roll Over Protection System) Roll Cage.
Display	Digital Display available in the driver's console of ATV. The equipment is GNSS based Navigation system to include NAVSTAR, GLONASS and IRNSS.
Software	Yes. The system has indigenous software. Free software upgrades will be provided as and when available.
	<b>Artificial Intelligence:</b> Yes, Al based Drive Fatigue Monitorin System can be incorporated.
Miscellaneous	Weapon Mount: Yes.
	Ground Clearance: More than 280 mm.
	Towing Capacity: More than 600 kg.
	Winch Mechanism: More than 3000 kgs.
	Lighting: LED headlights.
	Tyres/ Wheels: Tubeless type.
	Cargo System: Yes.
	Camouflage: Yes.

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Transportability	The vehicle should be transported by Air, Rail and Road.
Safety Arrangement	Seat belts with four-point harness for all four front facing sea with quick release latch.
Accessories	<ul> <li>(i) Overhead Canopy: One soft detachable canopy, one detachable canopy.</li> <li>(ii) Spare Tyre: One per vehicle.</li> <li>(iii) Jack: One per vehicle.</li> </ul>
Industry Standards	(ii)       ISO 9001 2008/2015.         (ii)       ISO 2000 for service management.         (iii)       ISO 27000 for Information Security.         (iv)       AS:9100 certification which is the latest international Quality Management System standard for the Aviation space and Defence (AS&D) Industry, created by the IAG.
Engineering Support Package to be provided	<ul> <li>(i) Providing 'Engineering Support Package' (ESP) lifetime sustenance of equipment for vari echelons of repairs to include the following:</li> </ul>
	(aa) <u>Special Maintenance Tools/Special Test</u> <u>Equipment (SMTs/STEs)/Test</u> <u>Jigs/Inspection Gauges</u>
	(aaa) Special Maintenance Tools (SMTs) for maintenance and repair related tasks.
	(aab) Special Test Equipments (STEs) / Test Jigs for diagnostics to support maintenance and repair tasks.
	(aac) Inspection gauges to check serviceability standards/tolerances.
	(ab) Spares, to include subassemblies as well as sp for Component Level Repairs (CLR).
	(ac) Technical literature to include Illustrated Spare Pa List (ISPL) and manuals covering all aspects related to operation, maintenance, diagnostics and repairs at various echelons.
	(ad) Training aggregates/aids for training of operator, quality assurance and maintenance personnel.
	(ae) Inspection standards to ascertain serviceability of equipment as well as its modules/comments.
	(af) A handheld device / laptop based on Board

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Eol for technolog	gy tie up for All <sup>-</sup>	errain Vehicle (ATV) for Indian Arm	y af f en en		
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	the da maint senso	ostic (OBD) scanner shall be pr ta log and reset option. For prev enance, the inputs maybe collec rs and shall provide residual life to operator.	rentive Sted from on board		
	-	Classroom Trainer must be dev M for interactive Electronic Tech uld be provided for technical liter	nical Manual which		
	to k	Periodic calibration of any Spec bl/Special Test Equipments (SMT be provided as part of Engineerin ckage.	ſs/STEs) / Gauges		

### Additional technical specifications of All Terrain Vehicle (ATV)

Operating	Provide if the vehicle requires any special modification kit for		
Temperature	operation at specific altitude and temperature.		
Maneuverability	(i) Provide the maximum speed of the ATV while negotiating water bodies during fording.		
	<ul> <li>Provide the details of the capability for gradient maneuverability, if it would be affected by varied types of terrain conditions.</li> </ul>		
	(iii) Provide the details of the capability for side slope gradient maneuverability, if it would be affected by varied types of terrain conditions.		
	(iv) Provide details of Vertical Step, Trench and Turning radius negotiated by the ATV.		
Fording Capability	Provide the maximum speed of water current at which fordi can be carried out.		
Engine Capacity	(i) Provide if there is any de-rating of the engine with increase in altitude. If yes, provide the maximum altitude beyond which the de-rating of the engine commences for ATV. Provide the percentage of de-rating of engine with corresponding increase in operating altitude per 1000ft.		
	<ul> <li>Provide the life of the engine in terms of both engine hours and kilometres.</li> </ul>		
	(iii) Provide the time required for the vehicle to commence operation after ignition.		
Fuel, Oil and Lubricants (FOL)	<ul> <li>Provide the type and grade of FOL used for operating the ATV.</li> </ul>		



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Cold Start System	(i) Provide the temperatu	city (in litres) of the ATV. ure at which the Cold Start System ated to start the vehicle engine
	(ii) Provide the time requi	ired for the Cold Start System to o function optimally in cold
	(iii) Provide details of cab temperature as under	in temp maintained at ambient
		rature (-) 35° C & (-) 25° C. erature between 40° C & 45° C.
Display	(i) Provide the details if t	he operator has the option of & blocking any of the available
		he system is compatible with naving shape file format.
		he system is compatible to operat GS 84 Datum and LLC Projection el).
Software	· · · · · · · · · · · · · · · · · · ·	security measures and the
		security available in the software s it not vulnerable to viruses and/o
Artificial Intelligence	Provide any other artificial inte incorporated.	elligence systems that can be
Engineering Support Package (ESP).	following levels of	your MRO philosophy, aligned to repairs (Refer Appendix B of oter II of Defence Procurement )):
	out in the Unit ho replacement of mi	onal 1 (01)) Level. Repairs carried olding the equipment, involving nor components/subassemblies, any Special Maintenance Tools
	field workshop, components/major su Special maintenance	ional 2 (02)) Level. Repairs by a involving replacement of ubassemblies, which may require e Tools (SMTs) supported by ecial Test Equipment (STEs)/Test ipment (BITE) facility.
		or which you commit the product ance of equipment in terms of



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	supply of spares/AM	IC/calibration etc.
	(iii) Provide the details of in manufacturing o	on how many sub vendors involv f product. Specify if the prod ub vendors also assured for
		neering support package be the maintenance free battery
		s on the ESP which would M itself or would it be outsourd
Miscellaneous	(i) Provide the details if to verify its performan temperatures. Specif the locations where t	the OEM/Vendor operated the Ance at different altitudes and by the temperatures and altitudes he vehicle has been operated and ad endurance achieved.
	altitude areas/desert/	the vehicle been operated in hig /terrains. Specify if there are any schedules required for operatio
Repair & Maintenance	(i) Provide is the provise ATV.	sion for repair and maintenance
	routed back to the v	if the system is required to endor for repairs, and what wo time for such systems (includ marked collection points).
		or has major repair and overh ssemblies and component le
	(iv) Provide the details Repairs being offered	of the kind of Component Le d by the vendor.
		of repair i.e., Operator Level, Fi el Repairs. Also, specify the sco rel.
	(vi) Specify and provide infrastructure facilit repair/replace the co	
	overhauls / repairs,	ect related to such as time betwe life time maintenance & spa ce Management support etc.



Eol for tech	nology tie up for All Terrain Vel	hicle (ATV) for Indian Army	
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	OEM to include period	& maintenance philosophy eriodicity of midlife interve lishment of maintenance hul	entions, bs etc.
Equipment Specific Inputs	construction to facil	s if the equipment is moo litate repairs in field by re Specify the Mean Time to nrough replacement.	eplacing
	(ii) Specify the Mean equipment and its m	Time Between Failure (MT ain assemblies.	BF) for
	assemblies like engi	ed life of your equipment ar ine, txn, gear box, axles & r ompressor, self-starter et of usage.	rotables
	Equipment (BITE) t through modular rep of BITE facilities a	if your equipment has Built to support diagnostics and placement. If yes, specify th and up to what levels are ided with the system (modu	l repair e types e these
	applicable to your ec restored in field in ca	s if there is there any s quipment. If yes, specify if it ase of any fault. In addition radable and whether open	can be to this,
	have counter to dis	nent or any of its sub syste play cumulative usage to fa itive/periodic maintenance.	
	(vii) Provide Indian orig equipment where ap	gin generators and batterio plicable.	es with
	(viii) Prescribe the deta lubricants used with	ils of Indian equivalents of equipment.	f oils &
		ferably be right hand drive. er/co-driver seat provided.	Specify
		be provided in instrument nent cluster is water proof.	cluster.
	type of head light, Specify if there are reverse light/alarr	y of numbers of windshield tail light & fog lamps pr rear view mirrors, side ind ms/battery charging in nector, altimeter and horn p	rovided. licators, dicator,



Azadi <sub>Ka</sub> Amrit Mahotsav	nnology tie up for All Terrain Vehicle (ATV	) for Indian Army वी ई एम अक्टिस्ट्रा
Eol Ref: CTPAM/Eol/FPI	IC/ATV/2025/307	Date: 25.03.2025
	in the vehicle.	
	(xii) Prescribe the type of arra	
Product Support	(i) Specify the kind of 'Product Provide the 'Time Period'.	Support' ensured for ATV.
	(ii) Specify if life time product with ATV.	
Spares	<ul> <li>Give details of vendors, sub with establishments in India time towards spares provision</li> </ul>	a as also readiness/Lead
	<ul><li>(ii) Specify the philosophy for m spares post contract.</li></ul>	anagement of repairs and
	<ul> <li>(iii) Specify if the OEM / ver facilities and availability of li in India.</li> </ul>	
Product Support for Codification	Provide acceptance to either prov Number (NSNs) of the OEM or o under the contract as per part consultation with the MoD/Directora time bound manner.	codify the items supplied list (including MRLS) in
Training Aspects of All Terrain Vehicle (ATV)s	<ul> <li>List the training facilities available premises to conduct training and DGQA personnel.</li> </ul>	
	(ii) Describe how the vendor will training for User, DGQA and India and for what duration.	
	(iii) Specify if there is any skill set	desired for the trainee.
	(iv) Specify if there is any need required for the train Simulators/Training Aids for t and can be provided by the version	ing. Confirm whether he equipment are available
	<ul> <li>(v) Provide the details if the ven Computer Based Training User Handbook and Trainin the training and specify the like</li> </ul>	packages, soft copies of g Manuals and IETMs for
	(vi) Describe what type of user manuals likely need to be pu what are the likely costs of ea	rovided by the vendor and

Signature & Seal:

Authorised Signatory of the Prospective Collaborator

Page **23** of **29** 



Azadi Ka Amrit Mahotsav EOI Ref: CTPAM/EOI/FPIIC/ATV/2025/307

Date: 25.03.2025

#### Annexure-4

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#### Reference List: The Prospective Collaborator shall furnish a summary of their product reference as detailed below for major supplies in last 15 years

SL No	Name of Country where All Terrain Vehicle (ATV) for Indian Army or similar All Terrain Vehicle was supplied	No. of unit supplied	Year of Supply
1			



Date: 25.03.2025

#### Annexure-5

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**ØBEML** 

{To be printed and submitted on Prospective Collaborator's official letterhead}

#### Eol RESPONSE FORMAT

To,

Corporate Purchase BEML Limited SR Nagar, Bangalore 560027 E-mail: bemleoi@bemlltd.in

Dear Sir,

#### Ref: Expression of Interest to collaborate with BEML Limited for Notice Inviting Expression of Interest (EoI) for technology tie up for All Terrain Vehicle (ATV) for Indian Army

Having examined the Expression of Interest (EoI) document dated \_\_\_\_\_\_, downloaded from the BEML Limited website, i.e., <u>www.bemlindia.in</u>, we, the authorised signatories of the Prospective Collaborator, intend to submit the response/proposal to the aforesaid EoI document.

We attach hereto the response/proposal to EoI as required as per the EoI document, which constitutes our response to EoI.

Primary and Secondary contacts for our company are:



Date: 25.03.2025

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**VBEML** 

We confirm that the information contained in this response or any part thereof, including its exhibits, and other documents and instruments delivered or to be delivered to BEML Limited are true, accurate, verifiable and complete. This response includes all information necessary to ensure that the statements therein do not in whole or in part mislead BEML Limited in its short-listing process nor suppressed any material facts.

We fully understand and agree that on verification, if any of the information provided herein is found to be false /misleading, our response / proposal is liable to be disqualified / rejected from the selection process or termination of the definitive agreement, if the Prospective Collaborator is selected, besides other action as may be required as per the BEML Limited Purchase Manual.

We agree to the unconditional acceptance of all the terms and conditions set out in the EoI document.

It is hereby confirmed that I / We are entitled and duly authorised to act on behalf of the Prospective Collaborator and empowered and authorised to sign this document as well as such other documents, which may be required in this connection.

Dated this

(Signature) (In the capacity of) (Name)

Duly authorized to sign the Eol Response for and on behalf of:

(Name and Address of the authorised representative/signatory with Seal / Stamp of the Prospective Collaborator)

Witness Signature: Witness Name: Witness Address:

बी ई एम एल BEML

Azadi ka Amrit Mahotsav EOI Ref: CTPAM/EOI/FPIIC/ATV/2025/307

Date: 25.03.2025

#### Annexure-6

{To be submitted in the letter head of the Prospective Collaborator}

## **CERTIFICATE AS TO AUTHORIZED SIGNATORIES**

I,					., the Cor	npany S	ecretary
of						,	the
Prospective	Collaborator	herein	do	hererby	certify	that	Mr./Ms
				Who	signed th	e Eol flo	bated by
BEML for technology tie up for All Terrain Vehicle (ATV) for Indian Army is authorized							
to do so and b	ind the company	by author	ity of it	s board / go	verning bo	dy.	

Date:

Signature:

(Company Seal)



Eol Ref: CTPAM/Eol/FPIIC/ATV/2025/307

Date: 25.03.2025

#### Annexure-7

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**VBÉML** 

{To be submitted in the letter head of the Prospective Collaborator}

#### DECLARATION BY THE PROSPECTIVE COLLABORATOR

This is to certify that we, \_\_\_\_\_\_, the Prospective Collaborator herein do not have any litigation, arbitration cases or any litigation against BEML Ltd pending before any Court / Arbitrator in connection with any contract / tender issued by BEML Ltd.

Signature of Prospective Collaborator

(with Seal /Company Seal)



Eol Ref: CTPAM/Eol/FPIIC/ATV/2025/307

Date: 25.03.2025

#### Annexure-8

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**VBEML** 

{To be submitted in the letter head of the Prospective Collaborator}

#### DECLARATION BY THE PROSPECTIVE COLLABORATOR

This is to certify we \_\_\_\_\_ have not been banned /

black listed / debarred by BEML / Central / State Govt. Dept. / Autonomous

Institution / PSUs in India at the time of bid submission.

I / we hereby certify that all the information given above are true and correct.

Signature with date of Authorized signatory

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

Firm's Seal:\_\_\_\_\_