



Bharat Heavy Electricals Limited New Delhi-110049, India

Extension of due date for EoI

Subject: BHEL seeks OEM partner for Light Tanks (Tracked) Project of Indian Army

This has reference to the Expression of Interest (EoI) published on BHEL's website i.e. www.bhel.com, Ref no. EoI No: **BHEL/AA/TL/ Light Tanks** dated **May 25, 2022** seeking interest from OEMs to partner with BHEL for Light Tanks (Tracked) project of Indian Army/Ministry of Defence (MoD), Govt. of India.

The due date for receiving the proposals against the EoI has now been extended up to **Nov 07, 2022 (Monday)**.

OEMs having proven technology/product and meeting broad Operational Requirement for Light Tanks (Tracked) as specified in **Annexure-1** of the EoI and are willing to partner with BHEL for indigenous development meeting the requirements of Make-1 category, are requested to submit its response to the EoI at below mentioned address (in hard/soft copy) along with details on proposed mode for partnership, company background, technical features/data sheet, product catalogue, reference list etc. latest by **Nov 7, 2022**.

Contact details for submission of response and for seeking clarifications are as below:

Senior Deputy General Manager
Corporate Technology Management -TL,
Bharat Heavy Electricals Limited (BHEL),
BHEL House, Siri Fort,
New Delhi 110049,
India
Tel: +91-11- 66337339 / 66337458
Mobile: +91-7838293011 / +91-9441176267
E-Mail: techeoi@bhel.in



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The due date for receiving the proposals against the EoI has now been extended up to **Oct 10, 2022 (Monday)**.

OEMs having proven technology/product and meeting broad Operational Requirement for Light Tanks (Tracked) as specified in **Annexure-1** of the EoI and are willing to partner with BHEL for indigenous development meeting the requirements of Make-1 category, are requested to submit its response to the EoI at below mentioned address (in hard/soft copy) along with details on proposed mode for partnership, company background, technical features/data sheet, product catalogue, reference list etc. latest by **Oct 10, 2022**.

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The due date for receiving the proposals against the EoI has now been extended up to **Sep 12, 2022 (Monday)**.

OEMs having proven technology/product and meeting broad Operational Requirement for Light Tanks (Tracked) as specified in **Annexure-1** of the EoI and are willing to partner with BHEL for indigenous development meeting the requirements of Make-1 category, are requested to submit its response to the EoI at below mentioned address (in hard/soft copy) along with details on proposed mode for partnership, company background, technical features/data sheet, product catalogue, reference list etc. latest by **Sep 12, 2022**.

Contact details for submission of response and for seeking clarifications are as below:

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The due date for receiving the proposals against the EoI has now been extended up to **Aug 22, 2022 (Monday)**.

OEMs having proven technology/product and meeting broad Operational Requirement for Light Tanks (Tracked) as specified in **Annexure-1** of the EoI and are willing to partner with BHEL for indigenous development meeting the requirements of Make-1 category, are requested to submit its response to the EoI at below mentioned address (in hard/soft copy) along with details on proposed mode for partnership, company background, technical features/data sheet, product catalogue, reference list etc. latest by **Aug 22, 2022**.

Contact details for submission of response and for seeking clarifications are as below:

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The due date for receiving the proposals against the EoI has now been extended up to **Aug 01, 2022 (Monday)**.

OEMs having proven technology/product and meeting broad Operational Requirement for Light Tanks (Tracked) as specified in **Annexure-1** of the EoI and are willing to partner with BHEL for indigenous development meeting the requirements of Make-1 category, are requested to submit its response to the EoI at below mentioned address (in hard/soft copy) along with details on proposed mode for partnership, company background, technical features/data sheet, product catalogue, reference list etc. latest by **Aug 01, 2022**.

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The due date for receiving the response against the EoI has now been extended up to **July 11, 2022 (Monday)**.

OEMs having proven technology/product and meeting broad Operational Requirement for Light Tanks (Tracked) as specified in Annexure-1 and are willing to partner with BHEL for indigenous development meeting the requirements of Make-1 category, are requested to submit its response to the EoI at below mentioned address (in hard/soft copy) along with details on proposed mode for partnership, company background, technical features/data sheet, product catalogue, reference list etc. latest by **July 11, 2022 (Monday)**.

Contact details for submission of response and for seeking clarifications are as below:

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Bharat Heavy Electricals Limited New Delhi-110049, India

EoI No: BHEL/AA/TL/ Light Tanks

Date: May 25, 2022

Subject: BHEL seeks OEM partner for Light Tanks (Tracked) Project of Indian Army

Bharat Heavy Electricals Limited (BHEL), a leading Public Sector Enterprise of Govt. of India (www.bhel.com) catering to the core infrastructure sectors of energy, transportation, heavy engineering industry, defence, renewable & non-conventional energy etc. is seeking interest from OEMs to partner with BHEL for Light Tanks (Tracked) project of Indian Army/Ministry of Defence (MoD), Govt of India. Indigenous development is to be undertaken to meet requirements of Make-1 category of Defence Acquisition Policy (DAP) of Ministry of Defence, Government of India < <https://www.mod.gov.in/sites/default/files/DAP2030new.pdf> >. Successful development under Make-1 would result in Indian Army's procurement from successful Development Agency through the "Buy Indian- "IDDM" (Indigenously Designed, Developed, Manufactured) category < <https://www.mod.gov.in/sites/default/files/DAP2030new.pdf> >.

OEMs having proven technology/product and meeting broad Operational Requirement for Light Tanks (Tracked) as specified in Annexure-1 and are willing to partner with BHEL for indigenous development meeting the requirements of Make-1 category, are requested to submit its response to the EoI at below mentioned address (in hard/soft copy) along with details on proposed mode for partnership, company background, technical features/data sheet, product catalogue, reference list etc. latest by **June 15, 2022 (Wednesday)**.

Based on the responses received by BHEL and further discussions with parties, separate request for partnership shall be issued by BHEL for selection of Partner(s) to address Light Tanks (Tracked) Project of Indian Army with BHEL as Lead member.

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EoI No: BHEL/AA/TL/ Light Tanks dt. May 25th, 2022

End date for submission of interest: June 15th, 2022

Disclaimer:

This EoI is not an agreement and is neither an offer nor invitation by BHEL to the respondents or any other person. BHEL accepts no liability of any nature whether resulting from negligence or otherwise howsoever caused arising from reliance of any respondent upon the statements contained in this EoI. The issue of this EoI does not imply that BHEL is bound to shortlist respondents for next stage or to enter into any formal agreement(s) with the respondent.



Broad Operational Requirement (OR) for Light Tank (Tracked)

Sl.	Specification	Parameters	Remarks
1.	Basic Configuration	<ul style="list-style-type: none">i. Combat Weight not to exceed 25+-10% Tonsii. Transportable by in service aircraft, ships, rail and road infrastructure.iii. Crew - three (03)	
2.	Fire Power & Lethality	<ul style="list-style-type: none">i. Main Gun: 105mm and above calibreii. Elevation Depression: Elevation minimum 20° and Depression minimum 10° through the Traverse of 360°iii. Anti-Tank Guided Missile (ATGM): Capable of firing a 3rd or higher generation ATGM preferably a Gun Tube Launched ATGMiv. Lethality:<ul style="list-style-type: none">(a) KE Ammunition: Defeat 500mm RHA target at 2000m at 60°angle of attack(b) CE Ammunition: Defeat 800mm RHA target at 2000m at 60°angle of attack(c) ATGM: Defeat 800mm RHA target at 5000m	
3.	Survivability	<ul style="list-style-type: none">i. Active Protection System (APS):<ul style="list-style-type: none">(a) Essential - Soft Kill, Desirable - Hard Kill.(b) Cater for countermeasures to varied threats incl. top attack.ii. Passive Protection:<ul style="list-style-type: none">(a) Frontal 60° Arc- Protection equivalent to 600mm RHAe.(b) All round including Top and Bottom-STANAG level 3.(c) Hybrid/Composite armour protection against top attack munitions.(d) Modular Explosive Reactive Armour (ERA).iii. Electronics: Offensive and defensive Electronic Countermeasures (ECM) and Counter-Countermeasures (ECCM)iv. Missile Warning System: LASER Warning System with Directional smoke dispenser as Counter Measurev. Signature Management: Suppress Audio, Visual, Thermal and Electromagnetic (EM) Signatures by at least 25%	



Bharat Heavy Electricals Limited
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EoI No: BHEL/AA/TL/ Light Tanks dt. May 25th, 2022

Annexure-1
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4.	Mobility	<ul style="list-style-type: none">i. P/W Ratio: Not less than 30 HP/Ton.ii. Nominal Ground Pressure (NGP): Not exceeding 0.7 Kg/Cm².iii. Operational Range: 300Km in cross country and 450 Km on road.	
5.	Communication	<ul style="list-style-type: none">i. Software Defined Radioii. Multi format communication - Voice, data, multimediaiii. Hands free internal communication for crew	
6.	Situational Awareness	<ul style="list-style-type: none">i. Hybrid Inertial/GPS Navigation Systemii. Integration with Battle Field Management Systemiii. Situational Awareness through Dronesiv. Blue Force Tracker on a digital map background	
7.	Force Multipliers	<ul style="list-style-type: none">i. Integrated Surveillance and Targeting System (ISATS) for Mechanized Forcesii. Drone Support / Control Capability	
8.	Other Capabilities	<ul style="list-style-type: none">i. Vetrronics and Predictive vehicle maintenance systemii. Auxiliary Power Unit (APU)iii. Preheateriv. Environment Control Unitv. Embedded Training Modules	