



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.

Contact details for submission of response and for seeking clarifications:

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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	i. Combat Weight not to exceed 25+-10% Tons ii. Transportable by in service aircraft, ships, rail and road infrastructure. iii. Crew - three (03)	
2.	Fire Power & Lethality	i. Main Gun: 105mm and above calibre ii. Elevation Depression: Elevation minimum 20° and Depression minimum 10° through the Traverse of 360° iii. Anti-Tank Guided Missile (ATGM): Capable of firing a 3 rd or higher generation ATGM preferably a Gun Tube Launched ATGM iv. Lethality: (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	i. Active Protection System (APS): (a) Essential - Soft Kill, Desirable - Hard Kill. (b) Cater for countermeasures to varied threats incl. top attack. ii. Passive Protection: (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 Measure v. Signature Management: Suppress Audio, Visual, Thermal and Electromagnetic (EM) Signatures by at least 25%	

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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 Radio ii. Multi format communication - Voice, data, multimedia iii. Hands free internal communication for crew 	
6.	Situational Awareness	<ul style="list-style-type: none"> i. Hybrid Inertial/GPS Navigation System ii. Integration with Battle Field Management System iii. Situational Awareness through Drones iv. 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 Forces ii. Drone Support / Control Capability 	
8.	Other Capabilities	<ul style="list-style-type: none"> i. Vetronics and Predictive vehicle maintenance system ii. Auxiliary Power Unit (APU) iii. Preheater iv. Environment Control Unit v. Embedded Training Modules 	