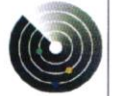




TECHNOLOGY DEVELOPMENT FUND (TDF) SCHEME



TITLE: DEVELOPMENT OF SEGMENTED RUBBER TRACKS (SRT) FOR ARMOURED FIGHTING VEHICLES

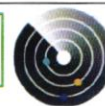
1. **Description:** The Armoured vehicles weighs 14 -20 Ton. Various armoured vehicles presently equipped with steel tracks. Steel tracks are proven to be strong and durable but are bulky. Noise in vibration is high with steel tracks which leads to crew fatigue. They also cause damage to the roads. Rubber tracks with steel or composite chords can overcome the problem of steel tracks. They also reduce the overall weight (40 to 50% as compared to steel tracks), noise, vibration (upto 50-70% less vibration) and top speed is increased by 10 kmph. Under the current project it is proposed to undertake the technical development for rubber tracks for armoured vehicles.
2. **Functional and operation requirements:** Weight of tracks should be minimum 30% less than steel tracks, the width of track should be 300 mm minimum, the pitch should be 140 mm to have proper matching with the existing sprocket.

Parameters	Values
1. Width	: ≥ 300 mm
2. Length	: ≥ 11830 mm
3. No. of segments in one wrap of track :	To be specified by the industry
4. Weight	: 800-900 Kg per vehicle
5. Track thickness	: To be specified by the industry
6. Life	: 3000 Km minimum
7. Material	: To be specified by the industry
8. Operating temperature	: -40°C to +55°C

--End of Document--



TECHNOLOGY DEVELOPMENT FUND (TDF) SCHEME



FEASIBILITY CUM RFI RESPONSE FOR THE PROJECT REQUIREMENT UNDER TDF SCHEME (PROFROMA)

1. **Name of the Institute** (Industry/Academia):
2. **Contact details:**
 - a. Email
 - b. PoC
 - c. Address
3. **Title of the project requirement:**
4. **Project Description** (Define broad understanding of the project requirement and proposed solution under the project).
5. **Briefly detail the proposed technical solution in terms of subsystem/submodule levels.**
6. **Road map for achieving the proposed outcome (Development Plan Phase wise -Max 5 phases).**
7. **Development and production Estimates:**
 - i. Estimated time required for development of the proposed technology /product (In Months).
 - ii. Estimated cost required for the for development of the proposed technology /product (BQs of submodules/subsystems if any pls attach).
 - iii. Estimated production cost of the end product after successful development (per unit or batch cost).
 - iv. Whether the industry has already done any Suo moto design and development of the proposed product/technology at Technology Readiness Level – Yes/No
 - v. Details of Suo moto design and development done if marked Yes in previous question (within 250 words).
 - vi. Essential infrastructure required for development of the proposed product/technology for which funding is required.
8. **Technical strength in terms of manpower.**
9. **Relevant Work Experience.**
10. **Any other relevant information**

Queries if any and the reply in PDF FORMAT to be submitted online addressing to;

TO,

THE DIRECTOR TDF, DRDO

DRDO BHAWAN, RAJAJI MARG, NEW DELHI 110011

Email to, arjunk.hqr@gov.in, CC to dir.tdf-drdo@gov.in.