



TECHNOLOGY DEVELOPMENT FUND (TDF) SCHEME



TITLE: DEVELOPMENT OF ERGONOMICALLY DESIGNED STRUCTURAL FIREFIGHTER FOOTWEAR

1. **Description**: Structural firefighter footwear is being used by fire services personals, as an indispensable part of Personal Protective Equipment (PPE). The project aims to develop the structural firefighter footwear, and design it ergonomically so that it conforms to the Indian built complying with EN 15090 standard.
2. **Functional and operational requirements**: The developed technology/product should take into consideration the functional parameters such as: flame resistance, radiant heat resistance, heat insulation, slip resistance, anti-static, resistance against mechanical wear and tear and resistance to hot contact. The physical constraints of footwear's size, design, ergonomic aspects should be taken into consideration. Also, since the product is being used in critical firefighting situations, the offered product should meet the desired specification within the defined standard deviation limits. Material should be innocuous and durable and offer the functional and operational protection required.

--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,