TECHNOLOGY DEVELOPMENT FUND (TDF) SCHEME

TITLE: TERMINAL GUIDANCE RADAR (TGR) OF UNDERWATER LAUNCHED SURFACE TO SURFACE AIRBORNE ARTICLE

1. **Description:** TGR is the homing head of Airborne Article, which is launched from a underwater platform based system. Analysis of defective inventory revels that maximum defects pertain to the seeker. The Airborne Article undergoes checks on Automated Test Station (ATS), which identifies defects upto section level. The development of capability to undertake inhouse repairs for seekers, is required to be progressed.

   It is based on Airborne Article technology, radar system, signal processing technology area with the objective of developing of ICD technology Terminal Guidance Radar (TGR) of Underwater Platform Airborne Article.

2. **Functional and Operational Requirements:** The TGR is Airborne Article seeker which enables system to home on to the target and hit accurately. The non-availability of information on fault analysis on the sub unit level, non-availability of any dismantling procedure tools of TGR have been a major bottle neck in developing expertise towards developing ICD and undertaking repair of the system.

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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,