

File No: - \_\_\_\_\_



## Technology Development Fund (TDF) Scheme

[Project Name}

# Technical Parameter Requirement (TPR)

Prepared by:

Reviewed by:

Approved by:

Directorate of Technology Development Fund (DTDF)  
DRDO HQr, DRDO Bhawan, Rajaji Marg, New Delhi - 110011



## Feasibility Proforma for Technical Parameter Requirements

|  |  |
|--|--|
| Name of Project:   |  |
| Name of Directorate / Unit / Establishment / Laboratory: |  |
| Details of Cluster DG                                    |  |
| Name & Designation & Contact Details of Project Officer: |  |

### Note:

1. All sections of the proforma are necessary.
2. The Proforma tries to bring out the technical parameter requirement for Acceptance of Necessity (AoN) of project under TDF Scheme
3. The information shared in "Part A" of this proforma is required for inviting Expression of Interest from Indian Industries. This information will be placed on TDF website and will be available for public access. Hence it is to be ensured that "Part A" does not contain any strategic /classified information or system / copyright names.
4. The information being filled should bring out clearly the details of system / sub-system / component along with expected testing and qualification criteria. In addition, in order to get suitable response, expected quantity required should also be brought out.
5. It is essential that Proprietary Names (National / International), Name of System not be disclosed in Part A. If required a broad definition should be used, e.g. Air borne Article / Armored Vehicle / Buoyant Vessel etc.



PART A

1. Name of Project / Title of Requirement:
2. Introduction/Brief Description:
3. Objective of the project:
4. Technology Area(Discipline / Sub-discipline):
5. Description of the major system / subsystem:  
(Please describe the major system where the technology is proposed to be utilized; attach drawing and pictures, if any)
6. Description about the Technology  
(In case if existing system, please provide details of the same with its application, source, deficiencies if any and improvement sought; In case of novel system, please provide information on its proposed application, its utility and improvement brought in by the system)
7. Functional and Operational Requirements:

| Details                        | Qualitative Details | Quantitative Details |
|--------------------------------|---------------------|----------------------|
| Functional Parameters          |                     |                      |
| Physical Constraints           |                     |                      |
| Environmental Constraints      |                     |                      |
| Reliability / Criticality      |                     |                      |
| Life Cycle and Maintainability |                     |                      |
| Usability                      |                     |                      |
| Material Specifications        |                     |                      |
| Any other Points               |                     |                      |
8. Broad Testing Requirements & Standards:  
(Please specify type of testing required)
9. Certification Requirements:  
(Please specify the specific certification required for the project)
10. Number of prototypes required to be developed in the project including testing samples (other project deliverables (expected)):
11. Documents Required from Development Agency (DA) for technology sharing





12. Milestone\* (in case any change from Standard followed at TDF) as given in the table below:

| <b>Milestone Phase No.</b> |                                  | <b>Activities</b>   |
|----------------------------|----------------------------------|---|
| MS1                        | <i>Preliminary Design</i>        | <b>Preliminary Design Review</b> <ul style="list-style-type: none"><li>• <b>Release of Approved PDR Documents including compliance</b></li></ul>  |
| MS2                        | <i>Critical Design</i>           | <b>Critical Design Review</b> <ul style="list-style-type: none"><li>• <b>Completion of Design, Development &amp; testing of identified Critical technology and component</b></li><li>• <b>Release of Approved CDR Document including compliance</b></li></ul> |
| MS3                        | <i>Development &amp; Testing</i> | <b>Development and Fabrication</b> <ul style="list-style-type: none"><li>• <b>Manufacture of component / subassemblies / prototype and their integration</b></li><li>• <b>User Trials – Factory Test / User Acceptance Test, etc.</b></li></ul>               |
| MS4                        | <i>Production and Supply</i>     | <b>Final production of deliverables</b>   |
| MS5                        | <i>Documentation and ToT/IPR</i> |   |

- Normally maximum payment against Milestone 1 is limited to 20%
  - Normally minimum payment against Milestone 5 / Last Milestone should be 20%
- \* Maximum Permitted milestones are 05 (Five)

13. Estimated time for development

14. Exit Criteria

15. Estimated Quantity Requirements for which order will be placed by the user upon successful completion of TDF project:

16. Broad Acceptance Criteria

17. Any other Applications including Spin-off Applications:

18. Any Other Details, if any:

19. Keywords:



Part -B

1. Feasibility:

(Details like preliminary studies done in country, feeder technology, current and proposed TRL level, Raw Materials availability, Infrastructure availability, IPR Availability, if any vendor has suo-moto taken up development etc. should be brought out clearly)

- 2. Categorization (Sensitive/ Non-Sensitive)
- 3. Novelty of the Project Requirement
- 4. A brief on the need to invest to invest in and develop the technology
- 5. Essential equipments/Infrastructure needed from the Development Agency (DA)
- 6. Typical Use Case/s
- 7. DRDO Labs working on similar technologies:
- 8. Does this project require AoN to open the project for the large industry as well? If so, justification for the same?
- 9. Based on the criticality and potential market for the industry, does the project be considered for more than one industry. If yes, please provide justification?
- 10. Nominations for PMMG:

(Nomination along with contact details: Mb. No., DRONA, Internet mail id and landline number)

| S.No. | Project Monitoring & Mentoring Group (PMMG) Member | Name | Designation | Lab | Mob. | Landline | Drona mail ID | Internet Mail ID | Remarks |
|-------|--|------|-------------|-----|------|----------|---------------|------------------|---------|
| 1     | Project Director (Senior Level Scientist)          |      |             |     |      |          |               |                  |         |
| 2     | Project Manager                                    |      |             |     |      |          |               |                  |         |
| 3     | Technical Expert, if any                           |      |             |     |      |          |               |                  |         |

11.

Cost Estimation for the project:

(Budgetary estimate/reference cost, if any)

|                     |  |
|---------------------|--|
| Development Cost    |  |
| Deliverables Cost   |  |
| Tangible Asset Cost |  |
| <b>Total</b>        |  |

12. Likely Production Cost

13. Likely Development Agencies



Part -C

Declaration (Please tick)

- We agree that all the information pertaining to the project will be published on TDF website for dissemination & participation of Indian Industries.
- It is declared that Part "A" does not contain any strategic /classified information or system / copyright names.
- This has approval of Director / Competent Authority of Lab/Establishment/Unit.

Signature