

DETAILED PROJECT REPORT (DPR)

(To be submitted by industry after signing & stamping)

NAME OF THE PROJECT

NAME OF THE INDUSTRY

**DO NOT CHANGE THE CONTENTS OF THIS FORM;
ANY CHANGE WILL RESULT IN THE REJECTION OF THE
APPLICATION**

Documents to be submitted by Industry
(Each page to be signed and stamped by industry)

| SN | Item | Document No. | Please mark Yes / No against document attached Yes / No |
|------|--|---------------------|--|
| i. | <p><u>Technical - PART -A</u></p> <p>Detailed Project Report</p> <p><i>(Technical proposal as per format attached from industry on the basis of which technical evaluation of industry will be carried out).</i></p> <p><u>Listed documents in DPR proforma to be enclosed with Part-A</u></p> | DPR.1 | Yes / No |
| ii. | <p>Acceptance of Special Terms & Condition and Eligibility criteria compliance on Industry's letter head - <u>to be enclosed with Part-A</u></p> | DPR.2 | Yes / No |
| iii. | <p>Undertaking & Non-Disclosure Agreement (NDA) by the industry - <u>to be submitted in advance for obtaining Functional and Operational requirements of PDD</u></p> | DPR.3 | Yes / No |
| iv. | <p><u>Financial Bid -PART -B</u></p> <p><u>Price bid to be submitted as per proforma on industry letter head stamped and signed in separate sealed envelope</u></p> | Price Bid (PB.1) | Yes / No |

DETAILED PROJECT REPORT (DPR)

PART A

TECHNICAL BID

| | | |
|------------------|--|---|
| Section 1 | BASIC INFORMATION | |
| Section 2 | INDUSTRY PROFILE | |
| Section 3 | PROJECT IMPLEMENTATION INFORMATION | |
| Section 4 | PROPOSED TECHNICAL SOLUTION | |
| | Subsection 1 | Detailed Project report |
| | Subsection 2 | Market Analysis |
| | Subsection 3 | Technical Milestones for Project execution |
| Section 5 | MAINTAINABILITY & LIFE CYCLE REPORT | |

**Documents to be uploaded with Detailed Project Report (DPR) –
Part A (Technical)**

| S. No. | Section of DPR- Part A (Technical) | Name of the Document | Please tick against Document uploaded |
|--------|--|---|---------------------------------------|
| 1. | SECTION 1: BASIC INFORMATION | <ul style="list-style-type: none"> i. Certificate of Incorporation ii. GSTIN Registration Certificate iii. UDYAM Certificate iv. DPIIT Certificate v. PAN card of Company | |
| 2. | SECTION 2: INDUSTRY PROFILE | <ul style="list-style-type: none"> i. Article of Association submitted to RoC ii. Memorandum of Association submitted to RoC iii. Audited Financial Statement (last 05 Years / since incorporation) iv. Income tax return (last 03 years) v. Proof and details of Incubation, if any (for Start-ups) vi. Corporate Presentation limited to 08 Slides vii. Brief details of Indigenous manufacturing capability viii. Details of Research & Development Facility vi. Details of Quality Control Facility ix. Industry brochure, if any | |
| 3. | SECTION 3: PROJECT IMPLEMENTATION INFORMATION | <ul style="list-style-type: none"> i. MoU with Academic Partner if applicable ii. Any grant/grant-in-aid received by any government scheme iii. Design Capability iv. MoU with Consortium Partner v. Documents from Consortium Partner: <ul style="list-style-type: none"> a. Certificate of Incorporation b. GSTIN Registration Certificate c. UDYAM Certificate d. DPIIT Certificate e. PAN card of Company | |

| | | | |
|----|---|---|--|
| 4. | SECTION 4: PROPOSED TECHNICAL SOLUTION | <ul style="list-style-type: none"> i. Proposed technical solution for the development of the technology ii. Roadmap for achieving the proposed outcome / deliverables. iii. List of Infrastructure needed to procure in order to execute the project along with tentative cost estimates of each item iv. Technical Presentation limited to 10 Slides. v. Self-Declaration document on ethical/legal/safety/regulatory issues vi. Certification for ISO / CEMILAC / Fire Safety / CMM vii. Any other additional document relevant to the project planning / execution. | |
|----|---|---|--|

SECTION 1: BASIC INFORMATION

(All fields are mandatory in this section)

1. Industry Name:
2. Industry Type:
3. Details of registration:

| CIN | GSTIN | MSME / UDYAM Number | DPIIT registration number (If applicable) | PAN |
|-----|-------|---------------------------|--|-----|
| | | | | |

4. Registered Address:
5. Project Execution Location:
6. Communication Address (if different from Registered Address):
7. Designated Contact Person:
 - a. Email Address:
 - b. Contact Number:
 - c. Position/Designation:

SECTION 2: INDUSTRY PROFILE

1. **Profile/ Description (Min 150 words): (Attach Brochure, if any)**

2. **Details of Directors**

- a. Name
- b. Mobile Number
- c. Work Experience
- d. Nationality

3. **Details of Investors**

- a. Name of Individual / Company
- b. Amount Invested (In INR lakhs)
- c. Share holding Pattern (In %)

4. **Date of Establishment:**

5. **Indian Ownership: Yes / No**

(At least 51% ownership stake held by an Indian citizen or entity to be considered an Indian entity):

6. **Strength of Manpower (No.): _____**

7. *** Memorandum of Association of Company*: (Mention Document No if attached)**

(Attach Article_of_Association-Company Name)

8. *** Audited Financial Statement (Last 05 Years / since incorporation if incorporated last 5 years):**

(Mention Document No if attached)

- a. Annual Turn Over
- b. Annual Return
- c. Directors Report
- d. Auditors Report
- e. Profit & Loss Statement (Audited)

9. *** Income Tax Return (Last 03 Years/ Since incorporation if incorporated less than 3 Years). (Mention Document No if attached)**

10. *** Latest certificate of Incorporation by the Registrar of companies (ROC) : (Mention Document No if attached)**

11. Incubator Name (If Startup):

12. Attach a proof of Incubation, if any: (Mention Document No if attached)

12. Investment in R&D in Last Three Years, if any :

13. Indigenous manufacturing capability (relevant to the project):

A. Plants and Machinery

- i. List of Equipment Available
- ii. Product Make
- iii. Quantity
- iv. Cost of Equipment in terms of Indian Currency

B. Components Manufactured Indigenously relevant to the project- Provide list

14. Indigenous Design Capabilities in the subject field:

| | | |
|-------------|---|--------------------|
| i. | Number of dedicated manpower for R&D in subject field and their expertise | 1. 2. 3..... |
| ii. | Overall R & D Facility: (Add details if any) | 1. 2. 3..... |
| iii. | R&D facility relevant to the project: (Add details if any) | 1. 2. 3..... |
| iv. | R&D expenditure as percentage of turnover on strategic/Defence Systems | 1. 2. 3..... |
| v. | Inspection and Quality Control Facilities: (Add details if any) | 1. 2. 3..... |

15. Patents:

- i. Does the applicant or the applicant company own any background IP related to this project. If yes, give details.

- ii. List of patents that appear to cover any part of the technology of interest or similar (and possibly overlapping) technologies and thereby restrict the freedom-to-operate in the envisaged area. (Please mention patent number, patent title and patent assignee)
- iii. If there are patents that are overlapping and may restrict FTO, does the applicant have the required license/s to practice these inventions for the purposes of the proposed project? Please provide license agreement details if any or provide information of the proposed next steps to obtain said license/s.
 - a. Name of Inventor
 - b. Number
 - c. Title
 - d. Patent Filed by
 - e. Filing Status
 - f. Usage
 - g. Additional Information, if any

16. Products/ Technologies

- List of technologies or products developed that might be relevant to the project.
 - Product / Technology Name
 - Stage of Development
 - Year of Development
 - Relevance to Project

17. TOT (Transfer of Technology)

- ToT with Indian Partners (Received / offered): Number of ToT done with Indian Partners (Departments/Ministries/ Organizations) and their value in terms of Indian currency (Maximum value in terms of Indian Currency will be taken as reference and then accordingly rest proposals will be given marks proportionately)
- ToT with Foreign Partners (Received / offered): Number of ToT done with Foreign Partners and their value in terms of Indian currency (Maximum value in terms of Indian Currency will be taken as reference and then accordingly rest proposals will be given marks proportionately)

| S. No. | Technology Name | Organisation Name | Mode | Year |
|--------|-----------------|-------------------|------|------|
| | | | | |

18.Details of involvement in TDF projects:

| Details | Lead Development Agency (Industry) |
|------------------------------------|---|
| Projects Completed | |
| Projects Short Closed | |
| Projects currently under execution | |
| Projects Currently applied for | |

Note: * Compulsory documents to be attached with DPR form.

SECTION 3: PROJECT IMPLEMENTATION INFORMATION

- 1. Expected Project Duration (in Months):**

- 2. Academic Partner (if any):**
 - MoU with the Academic Partner including scope of work and terms of references

- 3. Has the company received any grants/grants-in-aid by any government scheme for a similar technology: Yes / No**
(If Yes, then elaborate on the support received from and amount received)

- 4. What is the Indigenous design capability (in percentage %) after successful development of proposed technology:**

- 5. Consortium Partner Details:**
 - i. Name of the Consortium Partner:
 - ii. Registered Address:
 - iii. MoU with Consortium Partner including work share matrix for this project execution:
 - iv. Documents from Consortium Partner:
 - a. Certificate of Incorporation
 - b. GSTIN Registration Certificate
 - c. UDYAM Certificate
 - d. DPIIT Certificate
 - e. PAN card of Company

SECTION 4: PROPOSED TECHNICAL SOLUTION

Subsection 1: Detailed Project Report

1. Broad understanding of the project:

Define your understanding about the problem and proposed solution along with the final outcome/deliverables

2. Elaborate the proposed technical solution for this requirement in terms of subsystems and sum-modules with necessary figures and diagrams:

3. Elaborate Measurable outcomes of the project:

4. Road map for achieving the proposed outcome/deliverables:

➤ The description should cover the following points:

- Strategy and/or methodology of work.
- Scope and boundaries of the work, including any issues that will not be covered.
- Data analysis (sample size, data collection)
- Work share (Academic Partner) or any other Collaborator

5. Describe the specific innovation in the proposed solution and its novelty:

➤ Explain how your idea is innovative and how it is different from the existing products in the markets or current state-of-the-art. Tabular representation of the difference between your idea and the other products in market or competitive product which are under development will be appreciated. Concrete market data is encouraged. Comparison vis a vis global tech available in terms of quality and cost.

6. Has any preliminary work been carried out? Give status of work done? If no, please provide the background details.

7. Details of Equipment Needed for the Development:

(Please provide List of Infrastructure i.e. tangible capital equipments needed to procure in order to execute the project along with tentative cost estimates of each item.)

8. Execution of projects for development of critical technology in India and abroad in the past, if any:

| S. No. | Project Name | Military User | Project Cost (in INR) | Funding Agency |
|---------------|---------------------|----------------------|------------------------------|-----------------------|
| 1. | | | | |
| 2..... | | | | |

9. Execution of projects for military users in India and abroad in the past, if any:

| S. No. | Project Name | Military User | Project Cost (in INR) | Funding Agency |
|---------------|---------------------|----------------------|------------------------------|-----------------------|
| 1. | | | | |
| 2..... | | | | |

10. Execution of projects for other users in India and abroad in the past (If any):

| S. No. | Project Name | User | Project Cost (in INR) | Funding Agency |
|---------------|---------------------|-------------|------------------------------|-----------------------|
| 1. | | | | |
| 2..... | | | | |

11. Feasibility Analysis Report of the Project, if any:

12. Risk Analysis & Scope of work & its comparative analysis with proposed solution

13. Interoperability across the services:

- Provide prospects of using developed technology for various military / paramilitary users and other civil applications, if any

14. Relevant References:

- Please enter references that might have been utilized in creating the proposal and are helpful for Technical Committee.

Subsection 2: Market Analysis

1. Opportunity

- What is the potential societal and market impact?

2. Future Plan of Commercialization

- Commercialization plan should indicate:
 - Market entry strategy
 - Production scale up and Pricing

3. Relevant References:

(Please enter references that might have been utilized in understanding the market)

4. Please attach self declaration document on ethical/legal/safety/regulatory issues involved, if any :

5. Please attach any certification available with you or the Incubator (ISO/CEMILAC/ Fire Safety, CMM, etc)

Sub-section 3: Technical Milestones for Project Execution

| Industry Name: <<add company name here>> | | | | |
|--|------------------|--|----------------------------|--------------------------------|
| Milestone no. | Time (in months) | Major Activity Details | Sub-activity Details | Deliverables for the Milestone |
| 1 | | <p>Preliminary Design Review</p> <ul style="list-style-type: none"> ▪ Finalization of RFSoc specification and link budget design ▪ Completion of RFSoc schematic design ▪ Release of Approved PDR Documents including compliance <p>Layout Design Review</p> <ul style="list-style-type: none"> ▪ Completion of the RFSoc layout design and post-layout simulation ▪ Release of approved pre-silicon verification document and its compliance with finalized RFSoc specifications in MS1 ▪ Tape-out of the RFSoc | 1. 2. 3. ... N | |
| 2 | | <p>Critical Design review</p> <ul style="list-style-type: none"> ▪ Integrated RFSoc layout and Evaluation PCB board design ▪ Design of RFSoc evaluation board, its simulation with RFSoc and generation of 3-D model ▪ Release of approved PCB schematic and layout files for fabrication ▪ Completion of | 1. 2. 3. ... N | |

| | | | | |
|---|--|--|--|--|
| | | <p>Design, Development & testing of identified Critical technology and component</p> <ul style="list-style-type: none"> ▪ Release of Approved CDR Document including compliance of simulation and measurement results of RFSoc at industrial grade | | |
| 3 | | <p>System level design and testing</p> <ul style="list-style-type: none"> ▪ Design and development of 3-channels proximity sensor system for RPF application and 1-channel proximity sensor system for radio-altimeter application ▪ Testing and evaluation of RFSoc based system | <ol style="list-style-type: none"> 1. 2. 3. ... N | |
| 4 | | <p>Qualification of proximity sensor</p> <ul style="list-style-type: none"> ▪ Acceptance and Qualification test of 3-channels proximity sensor system for RPF application and 1-channel proximity sensor system for radio-altimeter application ▪ Release of approved documents and its compliance with targeted Environmental specifications supplied by user. | <ol style="list-style-type: none"> 1. 2. 3. ... N | |
| 5 | | <ul style="list-style-type: none"> ▪ Final production plan of deliverables ▪ Documentation and ToT /IPR | <ol style="list-style-type: none"> 1. 2. 3. ... n | |

Final Project Deliverables:

- Hardware (Include prototype No.):
 - 1.
 - 2.
 - 3.....
- Software (Includes Source Code):
 - 1.
 - 2.
 - 3.....
- Documents (Include all reports/PDR/CDR/ATP/QT/any other):
 - 1.
 - 2.
 - 3.....
- Joint IPR & Transfer of Technology (ToT) Document

**Signature and Stamp of Authorised Signatory of Development Agency
(Lead industry for the development of specified product/technology)**

Section 5: MAINTAINABILITY & LIFE CYCLE SUPPORT

(The Development Agency has to provide life cycle support for complete system)

1. Proposed methodology for life cycle support:

- a) Plan for support for sub-systems & components procured from abroad and their availability during the lifecycle of the system:
- b) Plan for support for sub-systems & components procured from within the country and their availability during the lifecycle of the system

2. Adherence to timelines, minimization of slippages, cost overruns:

- a) For past executed projects:

| S. No. | Project Name | User | Funding Agency | Project Cost (in INR) | Project Timelines (in Months) | Time Overrun, if any | Cost Overrun, if any |
|---------------|---------------------|-------------|-----------------------|------------------------------|--------------------------------------|-----------------------------|-----------------------------|
| 1. | | | | | | | |
| 2..... | | | | | | | |

- b) Plan proposed for executing current project (Risk mitigation plan for successful execution of project):

3. Production

- a) Details of production philosophy
- b) Estimated unit cost as part of production

xx.....End of Document.....xx