

Directed Research Project Proposal

Complete Title of the Project

Subtitle – Optional

Submitted By



PI – Prof Principal Investigator Name

Institute Name

In Association with

DIA COE Institute Name

Research Vertical

Thrust Area

Table of Contents

GUIDELINES TO FILL PROJECT PROPOSAL FORMS	2
PROJECT PROPOSAL CHECKLIST	5
FORM 1: SUMMARY OF PROPOSAL	6
FORM 2: TECHNICAL BRIEF	8
FORM 3: LAB RECOMMENDATION	10
FORM 4: EXTENDED TECHNICAL DETAILS	11
FORM 5A: FINANCIAL DETAILS	13
FORM 5B: MANPOWER DETAILED JUSTIFICATION	14
FORM 5C: EQUIPMENT DETAILS	15
FORM 5D: OPERATION & MAINTENANCE (O&M) DETAILS:	16
FORM 5E: DETAILS OF EXPENDABLES	16
FORM 5F: PROTOTYPE OR HARDWARE ENGINEERING MODEL CONSTRUCTION COST	17
FORM 5G: LAB INFRASTRUCTURE UPGRADE	18
FORM 5H: DETAILS OF PROCURED SERVICES	19
FORM 5I: WORKSHOP/ CONFERENCE	20
FORM 5J: COST ESTIMATION FOR RESEARCH STAFF	21
FORM 5K: COST ESTIMATION FOR VISITING FACULTY OR RESEARCH CONSULTANT(S)	22
FORM 5L: COST ESTIMATION FOR PROPOSED EQUIPMENT	23
FORM 5M: COST ESTIMATION FOR PROPOSED OPERATION & MAINTENANCE	24
FORM 5N: COST ESTIMATION FOR EXPENDABLES	25
FORM 5O: COST ESTIMATION FOR PROTOTYPE OR HARDWARE ENGINEERING MODEL CONSTRUCTION	26
FORM 5P: COST ESTIMATION FOR LAB INFRASTRUCTURE UPGRADE	27
FORM 5Q: COST ESTIMATION FOR PROCURED SERVICES	28
FORM 5R: COST ESTIMATION FOR TRAVEL	29
FORM 6A: PI/CO PI/ NRI CO PI DETAILS	30
FORM 6B: INDUSTRY/STARTUP CO-PI DETAILS	32
FORM 7A: CERTIFICATE OF PROJECT SUBMISSION	34
FORM 7B: COST REASONABILITY CERTIFICATE	35
FORM 7C: HRA CERTIFICATE	36
FORM 7D: CERTIFICATE OF COMMERCIAL USE	37
FORM 7E: ETHICAL PRACTICES PROJECT CERTIFICATE	38
FORM 7F: CERTIFICATE OF ASSOCIATION	39
FORM 7G: CERTIFICATE OF REVIEW MEETING COMPLIANCE	40

Signature with Seal: Director – DIA COE
Institute Name

Signature with Seal: Prof Principal
Investigator Name

Note: Proposal to be revised based on recommendation of TEC/ RAB/ GC

Guidelines to Fill Project Proposal Forms

Summary of the proposal

- Title of proposal must be short and should encapsulate the main objective.
- PI should provide 4-5 keywords which will help in classification

Detailed Cost Break-up

- Staff: Indicate here numbers and categories of staff proposed to be engaged. The current emoluments should be as per DST / Institute norms. HRA will be payable as per Govt. rules.
- Equipment (including spares thereof): Details of proposed equipment(s), quantity, costing, and source along with justification to be given against each item of detailed form 5C.
- Operation and maintenance of equipment: Include here the proposed outlays on service contracts for maintenance of equipment beyond guarantee period; upkeep of animal houses; items essential for safe operation of equipment e.g. essential periodic replacement of furnace linings, pump bearings, etc.
- Expendables: Chemicals, Glass Wares, Electronic components, raw materials and other consumables.
- Workshop: specific to the project for knowledge dissemination.
- Travel: Details in proposal should show the purpose of travel. The Domestic travel cost shall be 2% of project cost or Rs. 85,000/- per person per year for the 2/3rd of the total manpower in the project, whichever is less.
- Contingencies: Includes office supplies, local transport, telephone/fax expenses, postage, etc. but should not include procured services. Contingencies should be limited to maximum 3% of the project cost.
- Visiting Faculty or Research Consultants: Purpose of having consultancy should be well defined. Enter total annual remuneration in year-boxes. (Brief bio-data of proposed Visiting Faculty or Research Consultants must be included in the proposal.)
- Procured services (other than contingencies) and metered utilities: Include here any charges for separately metered power consumed by heavy equipment (e.g. furnaces, compressors, etc.); commercial sample-testing; certification charges; charged time on shared or hired equipment outside the host institution and expenses towards advertising for equipment and recruitment of staff
- Industry/ Startup Research: Startup/ Industry research participation required in the project. Stage of industry engagement should be clearly defined.

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- **Overhead expenditure: will be decided on project cost as given below:**

S. No.	Project Cost	Institutional Overhead
1.	≤ Rs. 1.0 Cr.	10% of Project Cost
2.	> Rs. 1.0 Cr. To ≤ Rs. 5.0 Cr.	10% of Project Cost or Rs. 15 Lakh whichever is less
3.	> Rs. 5.0 Cr. To ≤ Rs. 10 Cr.	Rs. 20 Lakh
4.	> Rs. 10 Cr. To ≤ Rs. 20 Cr.	Rs. 25 Lakh
5.	> Rs. 20 Cr. To ≤ Rs. 30 Cr.	Rs. 30 Lakh
6.	> Rs. 30 Cr. To ≤ Rs. 40 Cr.	Rs. 40 Lakh
7.	> Rs. 40 Cr. To ≤ Rs. 50 Cr.	Rs. 50 Lakh
Institutional Overheads should be distributed as per yearly proposed funds requirement and total will remain as given above. In case of multi-institutional projects of all DIA-CoEs, each part of the project to be individual participating institute will be treated as a full project for the purpose of overhead calculation as per the approved overhead rate as above		

- **Student Internship & Hackathon: The total Grant under student Internship& Hackathon is proposed to be as given below under Pay & Allowance sub-head of project expenditure:**

-Student internship:

S. No.	Project Cost	Total Internship Stipend
1.	≤ Rs. 1.0 Cr.	Up to Rs. 2.0 Lakh
2.	> Rs. 1.0 Cr. To ≤ Rs. 5.0 Cr.	Up to Rs. 2.5 Lakh
3.	> Rs. 5.0 Cr. To ≤ Rs. 10 Cr.	Up to Rs. 5.0 Lakh
4.	> Rs. 10 Cr. To ≤ Rs. 20 Cr.	Up to Rs. 7.5 Lakh
5.	> Rs. 20 Cr.	Up to Rs. 10 Lakh

-Hackathon Grant: The total Grant under Hackathon is proposed to be limited to Rs. 2.0 Lakh in a project and may be distributed year-wise as per requirement.

- Industry Grant: The grant to the industry can be given for following:
 - Consumables
 - Contingency (3% max)
 - Equipment (one of its kind unique machinery or tools)
 - Prototype or Hardware Engineering Model Construction
- The cost of Equipment, Expendables, Operation & maintenance and procured services need to be supported with basis of estimation or valid Budgetary Quotations (BQs).

Certificate: Should get the signature and seal of Applicant PI and Administrative Authority.

Please send signed hard copy of proposal by Speed Post (Not Courier)/hand to:

The Director

Directorate of Futuristic Technology Management (DFTM)

Defence Research & Development Organization (DRDO), Ministry of Defence

3rd Floor, DRDO HQrs Annexe, Metcalfe House, Delhi -110054

Ph: 011 – 23902763

Signature with Seal: Director – DIA COE
Institute Name

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Investigator Name

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General Guidelines

- A deeper thought process while giving the proposals.
- Prevent incomplete information.
- Strengthen pre-project stage activities.
- Start the work with end in mind.
- High end equipment, large facilities without a long term plan will be a burden and hence shall utilize the existing facilities.
- Adequate assessment (availability, alternate facility/ time slots) of test facilities in Statement of Case (SoC)/ Research Proposals.
- Formulation of comprehensive specification & requirement for imported components/ sub-systems/ system during pre-project activities.
- Annual Conference for internal dissemination of knowledge & collaboration.
- Inclusion of comprehensive checklist to identify and manage technical risks for the research projects.
- Inclusion of Technical and Administrative closure as a project milestone.
- Adequate planning and communication of Infrastructure upgradation and maintenance activities.
- Detailed global benchmarking (technical, features, applications, output performance) with similar projects at project evaluation stage.
- Attachments (if any) to be given as Annexure A, B....
- Repetition to be avoided at all stages, refer to the sections having information instead.

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Project Proposal Checklist

- The proposal form is to be filled in stages as given on the submission schedule column. The researcher may however understand the entire form to anticipate current and future submission requirements. Please read the form carefully and contact DFTM in case of any queries.
- The following table is the checklist of submission.
- Please tick mark the forms being submitted on the given date. Re-submitted (revised) forms may be given a suitable version number.
- The forms are automated with the dropdowns and checkboxes. The automation provided in the forms work on Microsoft Word 2016 and above.
- All can be submitted at once also, if ready.

SNo	Form No	Title	Submission Schedule (Mandatory Requirements)
1.	Form 1*	Summary of Proposal – Basic Information	Pre TEC
2.	Form 2*	Technical Brief	Pre TEC Can be revised based on RAB and GC recommendations.
3.	Form 3	Lab Recommendation	Pre RAB
4.	Form 4*	Extended Technical Details	Pre TEC
5.	Form 5A*	Detailed Cost Breakup	Can be revised based on RAB and GC recommendations.
	Form 5B	Manpower Detailed Justification	Pre TEC Can be revised based on RAB and GC recommendations. Pre GC & Post GC
	Form 5C	Equipment Details	
	Form 5D	Operation & Maintenance (O&M)	
	Form 5E	Details of Expendables	
	Form 5F	Prototype or Hardware Engineering Model Construction Cost	
	Form 5G	Lab Infrastructure Upgrade	
	Form 5H	Details of Procured Services	
	Form 5H	Workshop/ Conference	
	Form 5J	Cost Estimation for Research Staff	
	Form 5K	Cost Estimation for Visiting Faculty or Research Consultant	
	Form 5L	Cost Estimation for Proposed Equipment	
	Form 5M	Cost Estimation for Operation & Maintenance	
	Form 5N	Cost Estimation for Expendables	
	Form 5O	Cost Estimation for Prototype or Hardware Engineering Model Construction Cost	
	Form 5P	Cost Estimation for Lab Infrastructure Upgrade	
	Form 5Q	Cost Estimation for Procured Services	
	Form 5R	Cost Estimation for Travel	
6.	Form 6A	PI Details Multiple 6A's can be submitted one for each PI	Post GC / Final Proposal
7.	Form 6B	Industry/ Startup Co-PI Details Multiple 6B's can be submitted one for each industry	
8.	Form 7A*	Certificate of Project Submission	
	Form 7B*	Cost Reasonability Certificate	
	Form 7C*	HRA Certificate	
	Form 7D*	Certificate of Commercial Use	
	Form 7E*	Life Sciences Project Certificate	
	Form 7F	Certificate of Association	
	Form 7G	Certificate of Review Meeting Compliance	

**For financial sanction the forms to be countersigned by Administrative Authority as nominated by head of Institute at final submission*
 Abbreviations: Technical Evaluation Committee (TEC), Governing Council (GC), Research Advisory Board (RAB), Principal Investigator (PI), Non-Resident Indian (NRI), Overseas Citizenship of India (OCI)

Signature with Seal: Director – DIA COE
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Signature with Seal: Prof Principal
Investigator Name

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Form 1: Summary of Proposal

1.	Project Title	Complete Title of the Project		
2.	Research Vertical			
3.	Thrust Area			
4.	Proposal Type (Choose Dropdown) (Laboratory Demo/ Prototype Development/ Technology. Translation/ Operational Strategies/ Study, Simulation and Experimental Validation)	Choose an item.		
5.	Keywords (4-5) Technology, Deliverables, Science, Area of research			
6.	Reference Project (Dropdown) (New/ Followup)	Choose an item.		
7.	Name of PI	Prof Principal Investigator Name		
8.	Contact Details of PI	+91 9999999999, abc@iitx.ac.in		
9.	Institute Name	Institute Name		
10.	Institute Type (Dropdown) (Government Academic/ Government Research/ Private Academic/ Private Research/ Others) In case of 'Others' please specify	Choose an item.		
11.	Project Duration (months)			
12.	Cost (Rs Lakhs)	₹		
13.	Stakeholder DRDO Lab			
14.	DIA CoE (Liaison Institute – approved CoE)	DIA COE Institute Name		
15.	Collaborating Institute Co-PI Details (Can add more rows if required)	Write NIL if no collaboration		
		Name	Institute	Sanction
	Co-PI 1			Yes/ No
	Co-PI 2			Yes/ No
	Co-PI 3			Yes/ No
16.	Industry Collaboration (Dropdown) (Yes/ No) If yes, Name & type of Industry (Can add more rows if required)	Write NIL if no collaboration Choose an item.		
		Name	Type	Sanction
	Industry1 (Start-up/ MSME/Other)		Choose an item.	Yes/ No

Signature with Seal: Director – DIA COE
Institute Name

Signature with Seal: Prof Principal
Investigator Name

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	Industry 2 (Start-up/ MSME/Other)		Choose an item.	Yes/ No
	Industry 3 (Start-up/ MSME/Other)		Choose an item.	Yes/ No
17.	International Collaboration (Yes/ No)	Choose an item.		
	Collaborating PI			
	Collaborating Institute Name			
	QS world Univ. Ranking			
	Collaborating Institute Department			
	QS Ranking of the Department			
	Collaborating Institute Country			
18.	Deliverable Artefacts (click on the box, multiple choices can be selected by the PI. For others, please write what is being offered.)	☐ Dataset ☐ Simulation Model ☐ Standard ☐ Others ☐ Prototype ☐ Process & Methodology ☐ Research facility ☐ Chip/ IC/ ASIC ☐ Source Code/ Algorithm		

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Form 2: Technical Brief

Please do not change the numbering below

1. Aim of Research Proposal

Write in brief the aim of proposal. Please make it short with on paragraph only.

2. Objectives

(Add more rows at the end for more objectives)

2.1. Objective 1

2.2. Objective 2

3. Deliverables

(Add more rows at the end for more deliverables)

3.1.

3.2.

4. Milestones (Give milestones with timelines)

(Add more rows at the end for more milestones)

4.1.

4.2.

4.3.

Final milestone should be Completion of Project, submission of final project report in Word and PDF format along with closure presentation

5. Global Reference papers in the area (State of Art) (Top 2 nos)

5.1.

5.2.

6. Global Reference patents in the area (Top 2 nos)

6.1.

6.2.

7. Ongoing projects/consultancy work with DRDO Labs/ other organisations in the given technical area

(Funding Agency, Title, Cost, Duration, Year of sanction, Status – Completed/ongoing, if completed provide year of completion)

(Add more rows at the end)

7.1. Project 1

7.2. Project 2

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Investigator Name

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8. Novelty/ Innovation of Research

8.1. Innovation 1

8.2. Innovation 2

9. Technical Challenges*Write here.***10. Relevance to DRDO***Write here.***11. Risk Analysis & Mitigation Pathways***(Add more rows at the end for more risks)*

Risks	Mitigation Pathways
Risk 1	
Risk 2	

12. Work Share / WBS of PI, Lab, Industry and Foreign Co-PI*Define macro details of the workshare. Full details to be given in a separate research proposal document at the end of this form.**(Add more Columns for more partners/ Add more rows for more tasks))*

Task	PI	Lab	Co-PI 1	Co-PI 2
Task 1				
Task 2				

13. Data/Input Requirements from DRDO*(Define macro details of the inputs. Add more rows at the end if required)*

13.1. Input data like CAD

13.2. Input data like testing results

13.3. Material properties

13.4. Equipment functioning

14. Brief of Equipment/ Facility Requirement (from DRDO, existing infrastructure, Industries/ other facilities in country/ international)*(Define macro details of the facilities)*

14.1. Equipment for testing

14.2. High performance computing

14.3. Flight test facility

15. Initial Thoughts on Project Outcomes Utilization Pathway

Choose an item.

Enter comments.

Signature with Seal: Director – DIA COE
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Form 3: Lab Recommendation

1.	Lab Name	
2.	Project Title	Complete Title of the Project
3.	Objectives	
4.	Deliverables	
5.	Alignment with Roadmap/ Programme (Yes/ No) Brief of the Lab Roadmap/ Programme	
6.	Technical Application (Tick the applicable items)	☐ Component ☐ Support tools ☐ Subsystem ☐ System ☐ Material ☐ Process ☐ Software ☐ Chip/ IC/ ASIC ☐ Codes for Simulation ☐ Others (specify)
7.	Details of the proposed technical application (Details in 1-2 lines)	
8.	Project Outcome Utilization Plan	☐ Absorption by DRDO lab ☐ ToT to Industry ☐ Prototype development with Industry Collaboration
9.	Details of the Project Outcome Utilization Plan	
10.	Name, Designation, Email, Mobile No. of Collaborating Scientists	1. 2.
11.	Mention specific DRDO projects under which the research outcomes will be used	
12.	Work- share of DRDO Lab, Give details	
13.	Recommendations on the Project Outcomes and Artefacts submitted	
14.	Lab has reviewed the items and funds proposed under equipment, facility, expendables & procured services; the projected requirements are necessary and sufficient to conduct the proposed research	(Please provide comments)
15.	Detailed Comments on the Proposal	
16.	Comments on Industry Association	

- Continuous interactions will be taken up with PI to meet the timelines and for concluding the technical outcomes.
- Data sharing will be done with PI and research teams formally with information to DFTM.
- Linkage with proposed/ ongoing Lab project relevant to development of Component/ Subsystem/ System/ Raw Material/ Others to be specified.
- Figures of Merit (FoMs) are acceptable.
- Specifications and Deliverables are acceptable to Lab.
- The requirements projected in the proposal are necessary and sufficient for the problem statement.
- The financial requirements of the project have been categorized under appropriate cost heads and the overall expenditure appears reasonable.

(Signature with Seal)

(Coordinating Scientist)

(Signature with Seal)

(Lab Director)

Name:

Email:

Mobile No.:

Form 4: Extended Technical Details

☐ Pre TEC	☐ Pre RAB	☐ Pre GC	☐ Post GC
----------------------------------	----------------------------------	---------------------------------	----------------------------------

Title	Complete Title of the Project
PI, Institute	Prof Principal Investigator Name , Institute Name
Coordinating DIA CoE	DIA COE Institute Name
Research Vertical	Research Vertical

1. Technology Description

Write here.

2. Key Technology Challenges

Write here.

3. State of Art (National)

Write here.

4. State of Art (International)

Write here.

5. Figures of Merit (FoM)

(Add more rows at the end)

Property	Parameter	Targeted Value	International value	Measurement Methodology

6. Competence Level/ Previous work done in this area or related field

(Add more rows at the end)

6.1. Publication in this field by the PI

7. Role of Industry (if applicable)

Role of Industry	Workshare	Justification

8. Application of Technology

(Add more rows at the end)

8.1.

9. TechnicalPlan/ Methodology (Brief) (Attach)

(Detailed technology plan to be provided in a separate document and to be attached at the end of document)

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10. PERT Chart Highlighting Critical Path (Attach)*(Gantt Project or Project Libre open-source software may be used.)***11. Equipment/ Facilities Required***(Add more rows at the end if required)*

S. No	Name of Equipment	Quantity	Cost	Source country

12. Equipment/ Facility available with Academia/ Industry for the Project*(Add more rows at the end if required)*

SNo	Name of Equipment	Available Quantity	Serviceable / Unserviceable	Source country

13. Equipment/ Facility available with DRDO for the Project*(Add more rows at the end if required, Inputs may be sought from DRDO)*

S. No	Name of Equipment	DRDO Lab/ Estt

14. Equipment/ Facility Available Within Country for the Project*(Add more rows at the end if required, Inputs may be sought from DRDO and Other researcher community in the field)*

S. No	Name of Equipment	Institute where Equipment Available	Location

15. Procured Services Required (available within country/ abroad)*(Add more rows at the end if required)*

S. No	Type	Approx. Cost	Source Country

16. List of Expendables (available within country/ abroad)*(Add more rows at the end if required)*

S. No	Name of Expendables	Cost/ Unit	Source Country

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Form 5A: Financial Details

Series 5 forms to be filled by each PI/ Co PI (including Industry) separately

Individual and consolidated forms to be submitted

☐ PI	☐ Co PI	☐ Industry	☐ Consolidated
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☐ Pre TEC	☐ Pre RAB	☐ Pre GC	☐ Post GC
----------------------------------	----------------------------------	---------------------------------	----------------------------------

Cost Break-up (Refer Cost Projection Guidelines)

Proposed Expenditure on ↓ (Rs in Lakhs) During →	Year1	Year2	Year3	Line Total	Reference
1. Research Manpower/ Staff					Form 5B
2. Equipment (including spares thereof)					Form 5C
3. Equipment Operation & Maintenance					Form 5D
4. Expendables					Form 5E
5. Prototype or Hardware Engineering model construction cost					Form 5F
6. Lab Infrastructure Upgrade					Form 5G
7. Workshop/Conferences					Form 5I
8. Travel					Form 5R
9. Contingencies					
10. Visiting Faculty or Research Consultant(s)					
11. Procured services (other than (7) and metered utilities)					Form 5H
12. Institutional overheads (as per approved norms)					
<i>Column Sub Totals</i>					
Industry as Co-PI					
1. Equipment (including spares thereof)					
2. Expendables					
3. Prototype or Hardware Engineering model construction cost					
4. Contingencies					
<i>Column Sub Totals</i>					
Column Grand Total					

Total Cost of the Project will be ₹ _____ (in words) only (₹ _____).

Note:

- Provide Institute-wise proposed expenditure under various heads (as per format), along with the overall consolidated proposed expenditure indicating the total project cost.
- Any other fund head may be added subject to approval of Governing Council

Signature with Seal: Director –
DIA COE Institute Name

Signature with Seal: Prof
Principal Investigator Name

Signature with Seal:
Administrative authority of
host institution

Form 5B: Manpower Detailed Justification

Manpower Detailed Justification

(DST approved posts can be included in the type of manpower)

(Add more rows at the end if required)

Type	Number	Work Allocation
SRF		SRF1
		SRF2
JRF		JRF1
		JRF2
PA		PA1
		PA2
RA		RA1
		RA2
Others (Internship/ Hackathon)		

Senior Research Fellow (SRF), Junior Research Fellow (JRF), PA (Personal Assistant), Research Assistant (RA) to be given salaries as per approved published norms of **DST/DRDO**

S No	Researcher (JRF/SRF/RA/PA/Others)	Salary Per month	HRA	Total (Salary & HRA)/Month	Yearly Increment (if Applicable)	Nos of researchers	Total/Year (Lakhs)
1	SRF						
2	JRF						
3	RA-I						
4	RA-II						
5	RA-III						
6	Project Associate						
7	Internship/ Hackathon						
Total							

Signature with Seal: Director – DIA COE
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Investigator Name

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Form 5C: Equipment Details

1. Equipment Detailed Justification

(Add more rows at the end if required)

S. No	Name of Equipment	Quantity	Cost	BQ/LPP Reference	Source Country (OEM & Supplier)	Justification
Total						

2. List of equipment Likely to be returned to DRDO

3. List of equipment likely to be retained at the institute

4. Long Term Utilisation plan for the Equipment likely to be retained at the institute

(Give specific details)

Signature with Seal: Director – DIA COE
Institute Name

Signature with Seal: Prof Principal
Investigator Name

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Form 5D: Operation & Maintenance (O&M) Details:

S. No	Items for O&M	Cost/ Unit	BQ/LPP Reference	Source Country (OEM & Supplier)	Justification
Total					

Form 5E: Details of Expendables

List of Expendables

(Add more rows at the end if required)

SNo	Name of Expendable	Cost/ Unit	BQ/LPP Reference	Source Country (OEM & Supplier)	Justification
Total					

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Institute Name

Signature with Seal: Prof Principal
Investigator Name

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Form 5F: Prototype or Hardware Engineering model construction cost

List of Items

(Add more rows at the end if required)

S. No	Name of Item	Nature (C/NC)	Quantity	Cost	Source Country (OEM & Supplier)	BQ/LPP Reference	Justification
Total							

Signature with Seal: Director – DIA COE
Institute Name

Signature with Seal: Prof Principal
Investigator Name

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Form 5G: Lab Infrastructure Upgrade

List of Items

(Add more rows at the end if required)

S. No	Name of Item	Nature (C/NC)	Quantity	Cost	BQ/LPP Reference	Justification
Total						

Long Term Utilisation plan for the Infrastructure

(Give specific details)

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Investigator Name

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Form 5H: Details of Procured Services

List of Procured Services

(Add more rows at the end if required)

SNo	Type of Services	Cost	BQ/LPP Reference	Source Country	Justification
Total					

Signature with Seal:Director – DIA COE
Institute Name

Signature with Seal: Prof Principal
Investigator Name

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Complete Title of the Project

DIA COE Institute Name

Research Vertical

PI – Prof Principal Investigator Name

Institute Name

Thrust Area

Form 5I: Workshop/ Conference

Workshop/ Conference Justification

(Add more rows at the end if required)

S.No.	Title	Cost	Justification
Total			

Signature with Seal:Director – DIA COE
Institute Name

Signature with Seal: Prof Principal
Investigator Name

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Form 5J: Cost Estimation for Research Staff

Cost Estimation for Research Staff

(As per approved and published norms of Gol/ DST/ CSIR/ Institute)

(Add more rows at the end if required)

	Research Staff Post	No.	Monthly remuneration	HRA @....	Total	Yearly Remuneration	Yearly Increment	Y1	Y2	Y3	Y4	Y5	Total
1													
2													
3													
4													
Total													

Signature with Seal: DIA COE – DIA COE
Institute Name

Signature with Seal: Prof Principal
Investigator Name

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Form 5K: Cost Estimation for Visiting Faculty or Research Consultant(s)

Cost Estimation for Visiting Faculty or Research Consultant(s)

(Add more rows at the end if required)

	Visiting Faculty/ Research Consultant	No.	No. of Days	Rate @....	Total Honorary	Y1	Y2	Y3	Y4	Y5	Total Honorary
1											
2											
3											
4											
Total											

Signature with Seal: DIA COE – DIA COE
Institute Name

Signature with Seal: Prof Principal
Investigator Name

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Form 5L: Cost Estimation for Proposed Equipment

Cost Estimation for Proposed Equipment

(Add more rows at the end if required)

S. no.	Equipment	Qty	Estimation based on SO/BQ/GeM/ Own estimate)	Year of Reference	Currency	Exchange Rate	Cost without taxes (Rs. Lakh)	GST	Custom Duty	Other charges	Total Cost with taxes (Lakh)	Details of BQ / Previous purchase	Cost proposed by PI	Ref. Page no.
1														
2														
3														
4														
5														
6														
7														
Total														

Signature with Seal: DIA COE – DIA COE
Institute Name

Signature with Seal: Prof Principal
Investigator Name

Note: Proposal to be revised based on recommendation of TEC/ RAB/ GC

Form 5M: Cost Estimation for Proposed Operation & Maintenance

Cost Estimation for Proposed Equipment

(Add more rows at the end if required)

S. no.	items	Qty	Estimation based on SO/BQ/GeM/ Own estimate)	Year of Reference	Currency	Exchange Rate	Cost without taxes (Rs. Lakh)	GST	Custom Duty	Other charges	Total Cost with taxes (Lakh)	Details of BQ / Previous purchase	Cost proposed by PI	Ref. Page no.
1														
2														
3														
4														
5														
6														
7														
Total														

Signature with Seal: DIA COE – DIA COE
Institute Name

Signature with Seal: Prof Principal
Investigator Name

Note: Proposal to be revised based on recommendation of TEC/ RAB/ GC

Form 5N: Cost estimation for Expendables

Cost Estimation for Expendables

(Based on available Information to the extent possible)

(Add more rows at the end if required)

SN o	Description	Qty	Estimation based on SO/BQ/GeM/ Own estimate)	Year of Ref	Currency	Exchange Rate	Cost in without taxes (Rs. Lakh)	GST	Custom Duty	Other charges	Total Cost with taxes (Lakh)	Details of BQ/ Previous purchase	Cost proposed	Ref. Page no.
1														
2														
3														
4														
5														
Total														

Signature with Seal: DIA COE – DIA COE
Institute Name

Signature with Seal: Prof Principal
Investigator Name

Note: Proposal to be revised based on recommendation of TEC/ RAB/ GC

Form 5O: Cost Estimation for Prototype or Hardware Engineering model construction

Cost Estimation for Prototype or Hardware Engineering model construction

(Add more rows at the end if required)

S. no.	Description	Qty	SO/BQ /GeM/ Own estimate	Year of Reference	Currency	Unit Cost	Exchange Rate	Cost in without taxes (Rs. Lakh)	GST @ 18%	Total Cost with tax (Lakh)	Budgetary Reference	Ref. Page no. in file	Justification
Total													

Signature with Seal: DIA COE – DIA COE
Institute Name

Signature with Seal: Prof Principal
Investigator Name

Note: Proposal to be revised based on recommendation of TEC/ RAB/ GC

Form 5P: Cost Estimation for Lab Infrastructure Upgrade

Cost Estimation for Lab Infrastructure Upgrade

(Add more rows at the end if required)

S. no.	Description	Qty	SO/BQ /GeM/ Own estimate	Year of Reference	Currency	Unit Cost	Exchange Rate	Cost in without taxes (Rs. Lakh)	GST @ 18%	Total Cost with tax (Lakh)	Budgetary Reference	Ref. Page no. in file	Justification
Total													

Signature with Seal: DIA COE – DIA COE
Institute Name

Signature with Seal: Prof Principal
Investigator Name

Note: Proposal to be revised based on recommendation of TEC/ RAB/ GC

Form 5Q: Cost Estimation for Procured Services

Cost Estimation for Procured Services

(Add more rows at the end if required)

S. no.	Description	Qty	SO/BQ /GeM/ Own estimate	Year of Reference	Currency	Exchange Rate	Usages charges	Cost in without taxes (Rs. Lakh)	GST @ 18%	Total Cost with tax (Lakh)	Budgetary Reference	Ref. Page no. in file	Justification
Total													

Signature with Seal: DIA COE – DIA COE
Institute Name

Signature with Seal: Prof Principal
Investigator Name

Note: Proposal to be revised based on recommendation of TEC/ RAB/ GC

Form 5R: Cost Estimation for Travel

Cost Estimation for Travel

(Add more rows at the end if required)

<i>Year</i>	<i>Domestic travel details like places of visit, No. of visits/year</i>	<i>Amount</i>
<i>Year-1</i>		
<i>Year-2</i>		
<i>Year-3</i>		
<i>Year-4</i>		
Total		

Signature with Seal: DIA COE – DIA COE
Institute Name

Signature with Seal: Prof Principal
Investigator Name

Note: Proposal, to be revised based on recommendation of TEC/ RAB/ GC

Form 6A: PI/Co PI/ NRI Co PI Details

☐ PI	☐ Co PI	☐ NRI Co PI
-----------------------------	--------------------------------	------------------------------------

1.	Name	Prof Principal Investigator Name
2.	Designation	
3.	Department	
4.	Institution	Institute Name
5.	Birth Date (dd/mm/yyyy)	
6.	Gender (Dropdown)	Choose an item.
7.	Email	abc@iitx.ac.in
8.	Phone	+91 9999999999
9.	Fax	+91 XXXXXXXXXX
10.	Mobile	+91 MMMMMMMMMM
11.	Address	
12.	Country	

13. Academic Qualification (Begin with Bachelor Degree)

Degree	University	Subject	Year
<i>Bachelor</i>			
<i>Master's</i>			
<i>PhD</i>			
<i>Post Doctoral</i>			

14. Other Research Training & Experience (*Especially establishing research qualification in area covered by this application including previous and present two highlights*)

Signature with Seal: DIA COE – DIA COE
Institute Name

Signature with Seal: Prof Principal
Investigator Name

Note: Proposal to be revised based on recommendation of TEC/ RAB/ GC

(Add more rows at the end if required)

Institution	Topic of work done	Year

15. Field of major scientific interest

15.1. Area 1

15.2. Area 2

15.3. Area 3

16. Best 2 Publications with impact factor

16.1. Paper 1; reference with Impact Factor

16.2. Paper 2; reference with Impact Factor

17. Details of Patents

17.1. Patent 1

17.2. Patent 2

18. Details of technologies developed in the field

18.1. Technology 1

18.2. Technology 2

18.3. Technology 3

19. List of ongoing projects of Pls

(Add more rows at the end if required)

Funding agency	Amount (Rs)	Start Date	End Date	Title	PI	Co-PI

20. List of projects conducted for DRDO/DIA-CoE/ other Govt agencies/ CSIR/ DST/ DBT/ PSA office etc.

(Add more rows at the end if required)

S.No	Project Title	Department	Report / UC submitted or pending
1			

Signature with Seal: DIA COE – DIA COE
Institute Name

Signature with Seal: Prof Principal
Investigator Name

Note: Proposal to be revised based on recommendation of TEC/ RAB/ GC

Form 6B: Industry/Startup Co-PI Details

1.	Name of Industry	
2.	Branch	
3.	Date of Incorporation (dd/mm/yyyy)	
4.	PoC of Industry	
5.	Designation	
6.	Gender(Dropdown)	Choose an item.
7.	Email (PoC and Industry)	
8.	Phone	
9.	Fax	
10.	Mobile	
11.	Address	

12. Research, Training & Experience (*Especially establishing research qualification in area covered by this application including previous and present two highlights*)
(Add more rows at the end if required)

Institution	Topic of work done	Year

13. Participation of Industry in R&D with other organisations

13.1. Participation 1

13.2. Participation 2

13.3. Participation 3

Signature with Seal: DIA COE – DIA COE
Institute Name

Signature with Seal: Prof Principal
Investigator Name

Note: Proposal to be revised based on recommendation of TEC/ RAB/ GC

14. Details of Patents

14.1. Patent 1

14.2. Patent 2

15. Details of technologies developed in the field

15.1. Technology 1

15.2. Technology 2

16. List of projects conducted for DRDO/DIA-CoE/ other Govt agencies/ CSIR/ DST/ DBT/ PSA office etc. Project completed for other/host countries can be listed in the given technical field.

(Add more rows at the end if required)

S.No	Project Title	Department
1		
2		

Signature with Seal: DIA COE – DIA COE
Institute Name

Signature with Seal: Prof Principal
Investigator Name

Note: Proposal to be revised based on recommendation of TEC/ RAB/ GC

Form 7A: Certificate of Project Submission

The undersigned agree to abide by the terms and conditions set forth for the Directed Research Grant and certify that basic necessary facilities for the proposed work are available and the same can be extended to the investigator. The proposal has not been submitted to or under consideration by any other funding agency, simultaneously. As on date statement of accounts / Utilization Certificate of completed DRDO projects and technical closure reports are not pending with PI / Institute.

**Administrative authority of host
institution forwarding proposal**

Signature with Seal

Name:

Designation:

Date:

**Principal Investigator (PI) Institute
Name**

Signature with Seal

Name: Prof Principal Investigator Name

Designation:

Date:

Official Stamp
University/Institution

Form 7B: Cost Reasonability Certificate

The estimate of the cost made by the project team and rates as mentioned in the budgetary quotation provided by the vendors for equipment, Expendables, operation & maintenance and procured services are reasonable.

**Principal Investigator (PI) Institute
Name**

Signature with Seal

Name: Prof Principal Investigator Name

Designation:

Date:

Form 7C: HRA Certificate

It is certified that the accommodation is not provided by the institute to the research staff proposed in the project and hence the HRA from DRDO is being claimed for the research staff.

**Administrative authority of host
institution forwarding proposal**

Signature with Seal

Name:

Designation:

Date:

**Principal Investigator (PI) Institute
Name**

Signature with Seal

Name: Prof Principal Investigator Name

Designation:

Date:

Form 7D: Certificate of Commercial Use

The institution shall maintain an account of its incomes arising out of commercial use and any royalty income shall be shared equally between DRDO and grantee institution.

**Administrative authority of host
institution forwarding proposal**

Signature with Seal

Name:

Designation:

Date:

**Principal Investigator (PI) Institute
Name**

Signature with Seal

Name: Prof Principal Investigator Name

Designation:

Date:

Form 7E: Ethical Practices Project Certificate

(Clearance certificates to be obtained for the concerned authorities as applicable to the project)

It is certified that (a) Institutional ethical clearance and project approval (b) Clearance from the nuclear medicine committee of BARC and (c) Clearance from Institutional Bio safety committee have been obtained and relevant document are attached.

**Administrative authority of host
institution forwarding proposal**

**Principal Investigator (PI) Institute
Name**

Signature with Seal

Name:

Designation:

Date:

Signature with Seal

Name: Prof Principal Investigator Name

Designation:

Date:

(Projects involving DNA/genetic engineering work should be examined and certified by the Institutional Bio-Safety committee (IBSC), Lodhi Road, Delhi.)

Certificate of Association for Institutes

(To be signed separately by all the institutes receiving DRDO grant, other than DIA-CoE host institute)

(To be signed separately by all the institutes receiving DRDO grant, other than DIA-CoE host institute)

It is also certified that Institute and PI have read the Memorandum of Understanding entered into by and between the Defence Research and Development Organization (DRDO), Ministry of Defence, Government of India and Host institute on _(Date)_____ and do hereby confirm they have understood all the clauses in the said agreement and expressly agree to abide by the terms and conditions set forth therein as applicable to PI, institute, associates, students and project staff as appropriate while executing the project sanctioned to

Director DFTM	Director DIA-CoE	Administrative authority of institution	Principal Investigator/Co-PI
(SIGNATURE WITH SEAL)	(SIGNATURE WITH SEAL)	(SIGNATURE WITH SEAL)	(SIGNATURE WITH SEAL)
Name: Date:	Name: Date:	Name: Designation: Date:	Name: Designation: Date:

Form 7G: Certificate of Review Meeting Compliance

It is certified that TEC, RAB and GC recommendations have been complied to, as given below:

TEC Stage		
	Recommendations:	Action Taken:
i.)		
ii.)		
iii.)		
iv.)		
RAB Stage		
	Recommendations:	Action Taken:
i.)		
ii.)		
iii.)		
iv.)		
GC Stage		
	Recommendations:	Action Taken:
v.)		
vi.)		
vii.)		
viii.)		

Principal Investigator (PI)

Signature with Seal

Name:

Designation:

Date:

**End of Proposal Intentionally
Left Blank**