

PROJECT PROPOSAL
FOR CONSIDERATION UNDER
National Hub for Healthcare Instrumentation
Development (NHHID)

PROJECT TITLE

SUBMITTED BY

(Name of Principal Investigator)

(Name and Address of the Organization)

(Date of Submission)

For Office Use	
File No.	:
Date of Receipt	:

2. CONTENTS		
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6	Endorsement from Head of the Organization	
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8	Summary Sheet	

3.DETAILED PROJECT PROPOSAL

1.	Title of the Project:			
2.	Principal Investigators			
		PI	Co-PI 1	Co.-PI 2
	Name:			
	Designation:			
	Address:			
	Telephone No.:			
	E-mail:			
	Date of birth:			
3.	Nature of the Project Area: <i>(please tick)</i>			
	a. Medical Laboratory Testing Devices b. Diagnostic and imaging devices c. Therapeutic devices d. Surgical instruments and tools e. Wearable devices f. Drug delivery devices g. Assistive devices h. Monitoring and sensing devices i. Rehabilitation devices j. Nanotechnology-based devices k. Artificial intelligence and machine learning l. Implantable Devices m. Home Healthcare Devices			☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
4.	Duration of the project :			
5.	Name of participating Organizations with their addresses:			

6.	Objectives of the Proposal <i>(precise and preferably quantified process parameters/product specification etc. in the bullet form):</i>	
	6.1	Overall Development Objectives
	6.2	Intermediate Objectives <i>(corresponding to each milestone)</i>
7.	Fulfillment of Technology Qualifiers' Criteria: <i>(Please tick if the proposal is)</i>	
	based on established R&D outcome/results ☐	
	conforming to national / international specifications ☐	
	potentially useful, demand driven and required by other agencies and users ☐	
	a development of technology for multiple applications ☐	
	an adaptation of existing technology for its applications other than originally intended ☐	
	meeting a critical national need (present / future) and strengthening technological capabilities for the same ☐	
	an application of advanced science and technology with a promise of giving competitive solutions ☐	
8.	Role of Industry (If any):	
9.	Origin and Justification of the Proposal <i>(Please justify based on the identified Qualifiers' criteria)</i>	
10.	Summary Outline of the Project: <i>(with Schematics, where possible; Define the Problem and give technical details)</i>	
11.	Expected Outcome in Physical Terms:	
	a. New/ Upgraded Product b. New/ Upscaled Process c. New/ Upgraded System d. Services (including Software) e. Feasibility Analysis f. Any other	
12.	Targeted Specifications of the Expected Outcome:	
13.	Deliverables of the Project: <i>(precise and in bullet form)</i>	

14.	Methodology: <i>(Please highlight how success in the project execution will be ensured with flow chart)</i>				
15.	Milestones with Dates, Work Elements for each and the Organization responsible for each Work Element:				
	S.No.	Milestone	Target Date	Work Elements	Responsible Organization
	1.				
	2.				
	3.				
	4.				
16.	Work Plan <i>(Provide a bar chart / PERT chart giving project activities and milestones. Highlight milestones)</i>				
17.	Bench Marks to be achieved (In quantitative terms):				
18.	Novelty/uniqueness of the proposal (not more than one page):				
19.	Gaps to be covered through proposed work with special reference to the proposal:				
20.	Critical Review of latest Status of the Technology: <i>(minimum 2 pages each & with complete references)</i>				
	20.1	National Status Review:			
	20.2	International Status Review:			
21.	Justification with reference to current status: <i>(in terms of technical /economic /societal aspects)</i>				
22.	Summary of the Project:				
23.	Cost Benefit Analysis (CBA)/ Cost-Economic Analysis (CEA) Report:				
24.	Techno-economic analysis of the project:				
25.	Budget Requirement:				

	S.No.	Heads	Amount in Rs.	
	1	Manpower		
	2.	Consumables		
	3.	Travel		
	4.	Contingency		
	5.	Validation		
	6.	Equipment		
	7.	Over Heads		
26.	Required Equipment List:			
	S.No.	Equipment Name	Cost in Rs.	Applications
27.	Manpower Requirement: (as mentioned in norms)			
	S.No.	Designation	Number of Manpower	
28.	Any other Information relevant to the Project Proposal and its Execution			

Norms for Manpower:

Nomenclature & Emoluments	Qualification
Junior Research Fellow (₹25,000/- + HRA*)	Post Graduate Degree in Basic Science with NET qualification or Graduate Degree in Professional course with NET qualification or Post Graduate Degree in Professional Course
Senior Research Fellow (₹28,000/- + HRA*)	Qualification prescribed for JRF with two years of research experience
Research Associate-I (₹36,000/- + HRA*)	Ph.D. / MD / MS/ MDS or equivalent degree or having 3 years of research, teaching and design and development experience after M.VSc/ M.Pharm / ME/ M.Tech with at least one research paper inScience Citation Indexed (SCI) journal. The Research Associate Scale may be decided by the institute/ organization based on the experience of the candidate.
Research Associate-II (₹38,000/- + HRA*)	
Research Associate-III (₹40,000/- + HRA*)	
*HRA to be calculated as per DST norms	

4. BIO-DATA OF THE PRINCIPAL INVESTIGATOR

(Note: Similar detailed bio data should also be filled up for Co-PI's)

1. Name :
2. Gender :
3. Date of Birth :
4. Designation & Affiliation :
5. Postal Address :
6. Contact Number :
7. Email ID :

8. Qualifications:

	S.No.	Degree	Institution	Year of passing

9. Employment Experience:

	S.No.	Position and Organization	Nature of Job	Period

10. List of Publications: *(strictly for the last 5 years only with complete references)*

	1.1	Journal Publications
	1.2	Conference Presentations

11. Patents filed/granted with details:

(strictly for the last 5 years only with complete references)

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12. Books published /Chapters contributed:

(strictly for the last 5 years only with complete references)

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13.	Sponsored Research Projects: <i>(strictly for the last 5 years only with complete references)</i>					
	S. No.	Title	Sponsoring Agency	Period	Amount <i>(Rupees in lakhs)</i>	Achievements
14.	Consultancy Projects <i>(strictly for the last 5 years only with complete references)</i>					
	S. No.	Title	Sponsoring Agency	Period	Amount <i>(Rupees in lakhs)</i>	
15.	Sponsored Research / Consultancy Projects submitted for approval					
	S. No.	Title	Agency to whom submitted	Duration	Date of Submission	Amount <i>(Rupees in Lakhs)</i>
16.	Experience of Technology Development and Transfer (patent filed/granted) if any: <i>(strictly for the last 5 years only with complete references).</i>					

5. UNDERTAKING FROM THE PRINCIPAL INVESTIGATOR

Project Title:

1. I have not submitted this or a similar Project Proposal elsewhere for financial support.
2. I shall ensure that no item / equipment available in my Organization that mentioned in the Project Proposal requirement and shall be purchased under the Project.
3. I undertake that idle capacity of the permanent equipment procured under the project will be made available to other users.
4. I have enclosed the following:
 - a) Endorsement from the Head of the Organization (on letter head)
 - b) Endorsement from the Collaborating Industry/Agency
 - c) Project Proposal complete in all respect (2 hard copies and a soft copy)

Principal Investigator

Name :

Signature :

Date :

Place :

6. ENDORSEMENT FROM HEAD OF ORGANISATION

(On the official letter-head)

Project Title:

- 1) Affirmed that the Organization welcomes the participation of Dr/Mr/Ms as the PI and Dr/Mr/Ms.....as the Co-PI for the Project and that in the unforeseen and legitimate event of discontinuation by the PI, the Co-PI will assume full responsibility for completion of the Project. Information to this effect, endorsed by me, will be promptly sent to NHHID.
- 2) Affirmed that the equipment and basic as well as other administrative facilities as per the terms and conditions of the award of the Project, will be made available to the Investigator(s) throughout the duration of the Project.
- 3) The Organization shall ensure that the financial and purchase procedures are followed as per the prevailing norms of the Organization, within the allocated budget.
- 4) The Organization shall provide timely the Statement of Expenditure and the Utilization Certificate of the funds under the Grant as required by funding agency in the prescribed format.

(Head of Organization)
Seal/Stamp

Date :

Place :

7. ENDORSEMENT FROM COLLABORATING INDUSTRY/ AGENCY

(On the official letter- head)

I have gone through the Project Proposal entitled submitted by (Name of PI) of (Name of the Organization) for funding agency and noted the obligations and responsibilities indicated in our name as stated below:

Kindly be specific vis-à-vis your collaboration with the PI in terms of:

1. Contribution in financial terms (Rupees in Lakhs)
2. Contribution in kind (List activities)

I hereby affirm that my Organization / Industry is committed to participate in the Project to the full extent as indicated in the Project Proposal including the financial liabilities accruing there from as detailed above. A summary profile of my Organization is given below:

Name of Organization :

Nature of Business :

Number of Employees :

Annual Turn over :

The Annual Report for the preceding financial year is enclosed.

(Head of Industry / Agency)
Seal/Stamp

Date :

Place :