ICMR-Intramural MedTech Development Grant-2025

Indian Council of Medical Research (ICMR) and its 27 institutes across our country focuses on health priority areas with mandates for each institute. It has wide ranging activities of promoting high end basic, medical research and development of cutting-edge technologies to serve the technological requirements through development of appropriate technologies and skills.

ICMR also has been supporting the development of technologies at various R&D laboratories/ institutions through extramural grants. This has resulted in development and deployment of technologies. ICMR funds its institutes through various schemes under Intramural wing for research and innovation activities. For past few years; ICMR and its institutes has been supporting national and international health programs by validating medical technology products and processes by carrying out validation of these products developed by private manufacturing R and D and companies on request by various governing bodies.

To promote and support activities related to indigenous development of innovative technologies in identified health priority areas; a grant scheme of Intramural- Medical Technology (MedTech) Development Grant has been introduced.

As parts of nation-building initiatives, this grant scheme follows the 'Make in India' initiative for an "Aatmanirbhar Bharat" or a self-reliant India that would create resourcefulness with a global impact on health of people. This new scheme is therefore proposed to support innovation development projects by ICMR institutes.

Aim:

- To promote development of new technologies of public health or clinical importance

Types of projects to be funded:

- The proposal should be aligned to the priorities of the institution and ICMR.
- Only proposals that are for development of technologies that have completed TRL-3 (Proof of concept demonstrated) will be considered.
- Alternately, a technology that will reduce the cost by at least 10% of existing technology can be considered.
- The proposal can include collaboration with other ICMR institutes, and if required must include collaboration with industry
- The Proposal should include a commercialization plan.

Funding:

- For this grant the budgetary upper ceiling will be about INR 4 Crores/ project. It can be higher with approval of DG-ICMR.
- Maximum one project per institute per year ordinarily will be considered.

Duration of project:

- The duration of project will be up to a maximum period of 2 years.

Who can apply:

- Director/ Director-in-charge of the ICMR institute (Ex-Officio) can apply for this grant. At least two scientists working in the same or other ICMR institutes or non-ICMR recognized Indian institutes must be associated as Co-PI/ Co-investigators under this call.
- Proposed inclusion of industry partner will be allowed only after approval of DG-ICMR (after vetting).
- The proposal will be reviewed by Scientific Advisory Committee (SAC) of the institute and will be funded only if SAC approves the project.
- The proposal will be reviewed at ICMR-Headquarters by a Project Review Committee (PRC) comprising of DG-ICMR, Addl. DG (Intramural), Heads of intramural divisions and a few Scientific Advisory Board (SAB) members.
- The Format for proposal is provided in Annexure

Proposal Review Process:

The projects will be reviewed by the Project Review Committee (PRC) based on the following criteria:

a) Rationale of the project – is it likely to solve a priority problem?

b) Possible impact – is it likely to have an impact on health outcomes?

c) Novelty/innovation – is the project developing a new technology/ reducing the cost of existing one?

d) Methodology – are methods appropriate to achieve the objectives?

e) Implementation strategy – is the project feasible in a timely manner?

How to apply:

- A proposal can be submitted for financial support through ONLINE MODE ONLY by the Principal Investigator (Director/ Director-In-Charge).
- Open the Intramural ICMR Electronics Project Management System (i-ePMS) portal https://i-epms.icmr.org.in/
- Project proposal submission is three steps process in i-ePMS portal:

  Step 1: PI registration/ Login (https://i-epms.icmr.org.in/userLogin)

  Step 2: Verify email ID and complete/ update PI profile

  Step 3: Proposal submission → Click on 'Apply MedTech Grant' →Fill the form step by step.
- Including at least two CO-PI/ CO-Investigators from the institute or from another ICMR institute is mandatory.
- For any queries, please contact:

Technical concerns related to application process	**Any scientific concerns related to call**
Email: po.epms@icmr.gov.in	**Email:** anand.bodade@icmr.gov.in

Timelines:

- Release of Call: 24th June 2025
- Last Date of submission in portal: 31st July 2025; 5:00 PM
- Reviewing and shortlisting: 29th August 2025
- Declaring of Results: 1st September 2025

Format for submission of Proposal

Details of Research Team

1. **Principal Investigator:**

Name of Principle Investigator	
Designation	
Name of Institute	
Address of Institute	
E-mail ID	
Mobile number	

2. **Details of other investigator (S):**

Name of Investigator	
Designation	
Name of Institute	
Address of Institute	
E-mail ID	
Mobile number	
Role in the Team of Investigator	Co-PI/ Co-I/ Industry collaborator

3. Preliminary work done by the PI including the source of funding (up to 250 words): Proof of concept

4. Skill and experience of the research team: Highlight only salient points that provides confidence to reviewers that team can implement the project with quality. Include one-page brief CV of investigators.

Format for Proposal

1. Title of the proposal (up to 25 words): should be specific, concise and yet sufficiently descriptive and informative.

2. Summary (up to 350 words):

A structured summary should contain the following subheadings:

(i) Rationale/ gaps (50 words):

(ii) Novelty/ Cost-reduction of existing technique (50 words):

(iii) Objectives (80 words):

(iv) Methods (100 words):

(v) Expected outcome and its effects/ uses and possible impact on public health/ clinical care (70 words):

3. Keywords: Six keywords separated by comma which best describe your project may be provided.

4. Abbreviations: Only standard abbreviations should be used and must be spelt out in full before their use. A list of maximum ten abbreviations may be given.

5. Problem Statement (up to 500 words): State the currently available information to adequately present the problem.

6. Rationale of the study (up to 250 words): Mention how the developed innovation helps to break critical barrier(s) in current scientific knowledge, technical capability, and/or programmatic/clinical/lab practice and its relevance to local, national and international context with relevant bibliography.

7. **Gaps to be covered through proposed work with special reference to the project:** (50 words)

8. Study Objectives (up to 20 words/ objective): Do not include more than 4 objectives.

9. Significance of the project (750 words)

i. Clinical Need (100 words)
ii. Technical Solution: (100 words)
iii. Major applications of the proposed technology: (100 words)
iv. What is the status of your technology? Provide your own experimental results, if any. (150 words)
v. Current best practice and competition? (150 words)
vi. How will proposed innovation technology be superior to existing ones and practices? (150 words)

10. Methodology: (1000 words)

i. Please describe how the work (various steps/activities involved) will be carried out: (300 words) (You may provide information in flowchart/ diagram/ blue-prints etc in Additional documents and upload it at point no 16, if desired. Please refer correct number of fig/ diagram in text)
ii. Sample size calculation: if needed (50 words)
iii. Statistical analysis: if applicable (50 words)
iv. Validation of developed technology:
    - Internal validation (in Lab.): (100 words)
    - External validation (in field/ relevant environment): (100 words)
    - Prototype demonstration in operational environment: (100 words)
    - Technology readiness for deployment: (100 words)
    - Escalation to commercialization: (100 words)
    - Ethical issues (if any) and their resolution: (100 words)

11. Implementation strategy: Provide a GANTT/ PERT chart to be uploaded.

12. Expected outcome/ Deliverables Expected outcome and its effects/ uses and possible impact on public health/ clinical care (up to 200 words):

13. Future plans for technology transfer: based on expected outcomes (up to 100 words):

14. Conflict of Interest Declaration (if any): PI should include a statement for conflict of declaration (if any). (30 words)

15. Intellectual Property Status: (30 words)

16. Additional supplementary information including figures, tables, flow diagrams, etc can be shared as PDF (5 MB).

17. Institutional Support/ Facilities and Manpower: Mention the efforts made to achieve inter-departmental or inter institutional collaboration needed for implementation, details of coordination between clinical, laboratory and data management procedures, etc.

Sr. No	Existing	Needed for implementation of Project	Justification
A. Infrastructure/ Lab facilities			
1			
2			
3			
4			
B. Equipment			
1			
2			
3			
4			

Available manpower:

Sr. No	Name and Designation	Area of Specialization	Job Description in project

18. Budget estimates:

Sr. No.	Items	Budget		
		1st Year	2nd Year	Total
1	Consumables			
2	Travel			
3	Contingencies			
4	Overhead Expenses			
5	*Additional Manpower			
Total				

(* Additional Manpower will be given only under special circumstances, because it is expected that regular staff of institute like Scientists, Technical Officers, Lab. Technicians will conduct majority of work in this project. If extra manpower is needed; justification must be provided.)