Other Technical Details (OTD)

1. **Origin of the Proposal:**
   (Scientific rationale for doing this work should be elaborated)

2. **Review of status of Research and Development in the domain**

   2.1 International Status:
   (Researchers working in the area worldwide and their contributions must be properly highlighted with recent references and reviews. A correct and faithful description of the international research status must be given)

   2.2 National Status:
   (Same as above to cover the contribution of Indian Scientists in the project area)

   2.3 Importance of the proposed work in the context of current status (Highlight what is the new area or gap which will be solved in the project in relating to what is already known. This is a very important section to project the novelty content of the proposal)

3. **Work Plan:**

   3.1 Methodology:
   (It should contain all the details of how each of the objectives will be addressed. This section must be detailed and have clear plans, not vague and generalized statements. It should have several schemes, tables, figures, equations etc. in addition to text, explanation and justification of why the project research plan will work)

   3.2 Time Schedule of activities giving milestones through GANTT diagram.

   3.3 Suggested Plan of action to fulfill the proposed objectives.

4. **Planned Activities**

   4.1 Knowledge Generation
   (Description of Basic/Applied Research to be undertaken; include current status of research and development in the proposed area, scientific rationale and impact of the proposed work)

   4.2 Technology/Product Development
   (Description of the proposed technologies/ products to be developed, the need, risks associated, competitive advantage, market opportunity, licensing opportunity and plan for commercialization)

   4.3 Innovation, Entrepreneurship and Start-up Ecosystem
   (Plans for innovation ecosystem, catalyzing, mentoring and supporting best practices in entrepreneurship and technology translation.
   (Identify the existing startups/industry/PSU in the domain area and details of proposed collaborations in the first three months)

   4.4 HRD and Skill Development
   (Proposed activities in development of human resource. Plan for involvement of students and researchers in the proposed work)

5. **National/ International Collaboration**
   (Details of the proposed international collaboration in the domain area needs to be provided within the first three months. The international collaboration is intended to co-development and transfer of technology. Mechanism to be adopted for productive interactions and knowledge transfer should be mentioned)

6. **Industry Collaboration/ Partnership**
   (Details of existing collaboration/ partnership in the proposed domain area, objectives, targets, kind of support, etc. Plans for future collaboration/ partnership with industry)

7. **Deliverables- short term (for 3 years) and long term (5 years) with 6 monthly targets**
   (Qualitative/Quantitative)

8. **Facilities**
   (Mention the facilities and resources available with the lead institute and collaborative institutes that could be shared by the e-Node and facilities planned to be created with ANRF Support)

9. **Expertise of e-Nodes team:**
   (Area of expertise of e-Node members, their role and contribution to demonstrate that the team has the capability to accomplish the proposed objectives)

9.1 Expertise available with the e-Node members in executing the project
(Each LPI and PIs should clearly mention their past experience in meeting proposed targets).

9.2 Summary of roles and responsibilities of all e-Node members including LPI, PIs and Industry Partner

S.No.	Name of e-Node Member (s)	Area of Expertise	Domains of Technology Vertical	Roles/ Responsibilities

9.3 Key publications published by the Investigators pertaining to the domain of the proposal during the last 5 years

9.4 Bibliography

10 Activity plan: Targets, Milestones on Timeline / GANTT Chart
(Short-term and Long-term targeted milestones may be outlined)

11 Management plan
(Plans for administration of the e-Node with details)

12 Plan for revenue generation and sustainability
(Plans for developing a responsive system that explore research trends/ market needs and tailor technology solutions to specific requirements. Revenue routes to be adopted for revenue generation and long-term sustainability)

13 List of Projects submitted/implemented by the Investigators
(All the Investigators should list out details of the Projects submitted, implementing and completed by them. The list should start with the Projects implemented by the Principal Investigator, followed by Co-PI1, Co-PI 2 etc.)

13.1 Details of Projects submitted to various funding agencies:

S. No	Title	Cost in Lakh	Month of submission	Role as PI/Co-PI	Agency	Status

13.2 Details of ongoing Projects

S. No	Title	Cost in Lakh	Duration	Role as PI/Co-PI	Agency

13.3 Details of Projects completed during the last 5 years

S. No	Title	Cost in Lakh	Duration	Role as PI/Co-PI	Agency

14. List of facilities being extended by institution(s) (a separate list should be provided for Lead and collaborative institutions) for the project implementation.

14.1 Infrastructural Facilities

Sr. No.	Infrastructural Facility	Yes (Full or sharing basis)/No/Not required
1.		
2.		

14.2 Equipment available with the Institute for the project (a separate list should be provided for Lead and collaborative institutions):

Equipment available with	Generic Name of Equipment	Model, Make & year of purchase	Remarks including accessories available and current usage of equipment
PI & his/her group			
PI's Department			
Other Institute(s) in the region			

15 Name and address of experts/institution/Industry interested in the outcome of the project.