

**INDIAN COUNCIL OF AGRICULTURAL RESEARCH  
KRISHI BHAWAN, NEW DELHI**

**F.No. 13(53)/2022-Cdn.Tech**

**Dated the 1<sup>st</sup> May, 2023**

**Certifying Products/Technologies/Process/Methodology/Model/Protocol/Policy etc.**

**1. Background**

Defining research output normally has been done as per subjective evaluation of many of the human resources traits of the personnel engaged in research, education and extension. The prevailing ethos was to place products/technologies in the public domain for access by all and analyse a combined outcome. Now the thrust is on to be more transparent in different aspects of understanding the intellect assets and giving it an objective value so as to differentiate the competing human resources for different benefits from the agricultural research, education and extension systems. A product/technology is one that the organization shares with its stakeholders. Given the diversity, complexity and variability, product/technology has been defined broadly, which includes technology, product, process, concept, methodology, model, protocol, policy, etc. The Council has taken a view to identify and certify the products/technologies, as defined above, developed by scientists for recognition and wider dissemination. All the products/technologies developed by an institute since 2020 need certification. The administrative structure of the Scientists/Institutes will remain as it is at present. The certification process will require only operational arrangement for planning, reviewing and reporting of related activities.

**2. Purpose of Certification**

- a) Identifying, verifying and compiling the products/technologies for sharing with the stakeholders for better dissemination and adoption.
- b) Assessing intellectual assets of the scientists more objectively leading to greater professional recognition.

**3. Steps for Implementation**

- a) **Step 1: Lead developer of the product/technology:** Prepare proposals of all products/technologies (other than identified through AICRP system or State level Committee or any other such mechanism) in the proforma (Table 1) and submit to ITMC/PME of the Institute through Head of Division. (**Action:** Lead developer, to be completed before May 25, 2023).
- b) **Step 2: ITMC/PME of the Institute:** Discuss the proposal and give its recommendations (as per the proforma). If the proposal is approved, forward the proposal to the concerned SMD through Head of the Institute. Technology relevant to a particular area, say agricultural engineering, should be submitted to Agricultural Engineering Division of the Council, with a copy to the respective parent Subject Matter Division (SMD). (**Action:** Head of the Institute, to be completed before June 5, 2023).
- c) **Step 3: SMD:** Constitute a committee with the approval of Secretary, DARE and DG, ICAR with the following composition. (**Action:** Each DDG, to be completed before May 10, 2023).
  - 1) Chairman: Deputy Director General of respective SMD
  - 2) Members: 3 Experts in relevant field (at least one outside ICAR such as from SAUs/Concerned Government Departments/Private Industry)
  - 3) Member Secretary: One among the ADGs of respective SMD

- 4) Invitees: Directors of the Concerned Institutes (submitted research output for identification/ release) and representatives of ADG(IPTM) and Agrilnnovate.
- d) **Step 4: SMD:** The SMD will screen the proposals and put it before the Committee for its decision. If approved, a unique identifier will be assigned and the details will be uploaded in the central ICAR Technology Depository. Otherwise, it may be sent back with recommendation for more information. (**Action:** Each DDG, to be completed before June 30, 2023).

**Table 1. Proforma for submission of proposal for certifying a product/technology.**

Item	
1. Name of the product/technology (as defined above)	
2. Name and address of the Institute	
3. Institution(s) responsible for developing/evaluating/identifying including collaborators, if any	
4. Source of product/technology (Research Project/Student Research/Any other ad-hoc research study)	
5. Period of development/evaluation/validation	
6. Developers (Lead and Associates)	
7. Summary of the product/technology (maximum of 200 words)	
8. Is it a new technology? (Yes/No). If no, provide the details of the technology modified	
9. IPR involved, if any (Patent/Copyright/ Industrial Design Registration/Variety/germplasm registration). Provide Filed/Granted number	
10. Validation procedure followed (within Institute, collaborators, multilocation/multi-site testing)	
11. Brief description of research output/technology: <ul style="list-style-type: none"> <li>a. Objective of the product/technology</li> <li>b. Detailed methodology of the proposed product/technology</li> <li>c. Yield/productivity gain</li> <li>d. Saving of water, labour, time and energy</li> <li>e. Conservation of soil</li> <li>f. Capacity</li> <li>g. Efficiency</li> <li>h. Cost effectiveness including B:C ratio</li> <li>i. Uniqueness of the technology in comparison to existing ones</li> <li>j. Passport data of the product/technology</li> </ul>	
12. Details of relevant data generated during the development/validation	
13. Proposed stakeholders	
14. Commercial potential, if any	
15. Publications/photos/video clipping, if any	
16. Any other information not covered above	

**Declaration:** I/We hereby undertake that the above information is correct. All scientists in the development of this research output have been included in the list of Associates. The research output does not involve any third party IPR.

1. Name and signature of all the developers
2. Recommendations of the Head of Division
3. Recommendations of ITMC/PME
4. Recommendations of Director
5. Recommendation of SMD