

Part 1: Technology Release Proposal Checklist

1.1. Basic Identification						
Technology Title						
Date of Submission						
Proposing Institution						
Institution Type	Government Research Institution []	State Owned Enterprise []	Private Company []	Startup []	Individual []	
Researcher/Proponent						
Contact Person	(Name, Designation and Contact Details)					
1.2. Technology Overview						
Brief Description of the Technology (150 words):						
Benefits (Tick all those appropriate)						
Problem solving []	Labour saving []	Energy saving []	Low cost []	Environment friendly []	Ease of use []	Low maintenance cost []
1.3. Technology Classification						
Classification of Output (Tick the most appropriate)						
Adaptation from introduced technology []	Improvement over local (or existing) technology []			Innovation []		
Technology Domain (Tick the most appropriate)						
Crop production []	Farm mechanization []	Digital/IoT/Automation []	Post-harvest/processing []	Climate/resource efficiency []		
Other (specify):						
Control Check (in comparison to existing technology)						

1.4. Technical Specification Summary of the Proposed Technology:

1.5. Impact (Tick the most appropriate for the fields below followed by a brief description)

Social Impact: – Positive []/Negative []
(Explain briefly the impacts)

Economic Impact: – Positive []/ Negative []
(Explain briefly the impacts)

Environmental Impact: – Positive []/Negative []
(Explain briefly the impacts)

1.6. Intended Mode of Release

Farmer adoption []	Government program deployment []	Commercial sale []
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1.7. Intellectual Property Status

Patent granted []	Patent application in process []	Patent not processed []	Not applicable []
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Part 2: Technology Release Proposal Form

2.1. Problem Context and Rationale

Describe the agricultural constraint or gap that the technology seeks to address. Explain the relevance of this problem in the current context supported by relevant facts and figures

2.2. Objectives of the Technology

State the intended objectives of the technology clearly. Where applicable, indicate expected outcomes or performance targets supported by available evidence

2.3. Process Involved in the Development of the Technology

Describe the process through which the technology was developed

2.4. Comparative Evaluation with Existing Practice

Provide a detailed comparison between the proposed technology and the existing practice or commonly used alternatives. This section should substantiate the benefit claims declared in Part 1

2.5. Detailed Technical Specifications

Provide detailed technical information expanding on the summary provided in Part 1, including but not limited to:

- *Description of the system, components or process*
- *Key design features*
- *Operating parameters and requirements*

2.6. Implementation and Use Considerations

Describe how the technology is intended to be applied in practice, including but not limited to:

- *Conditions and requirements for use*
- *Skill and capacity requirements*
- *Infrastructure, inputs or support needed*
- *Suitability for farmers, enterprises, programs or other users*

2.7. Economic Considerations

Provide economic information relevant to the technology including but not limited to:

- *Cost of developing the technology*
- *Capital or initial investment requirements for the users*
- *Operating and maintenance costs*
- *Cost-effectiveness or viability considerations*
- *Scalability, where applicable*

2.8. Evidence and Readiness

Summarise the evidence generated by the proponent to demonstrate the technology's performance and readiness for release. This may include results from trials, pilots or demonstrations, as applicable. Where available, trial reports and supporting documentation should be referenced in this section

2.9. Limitations and Cautionary Notes

Identify any known limitations or conditions under which the technology may not be suitable or is recommended with caution

2.10. Justification for Release

Provide a concise justification explaining why the technology is suitable for release at this stage, taking into account its demonstrated performance, readiness and relevance to current agricultural needs. This section should not introduce new technical information but should consolidate the information provided in previous sections

2.11. Conclusion

Provide a brief concluding statement

The undersigned certifies that the technology proposal has been reviewed by the Research Management Committee/Internal Technical Committee of the institution and is recommended for submission to the Technology Release Committee (TRC).

Name of Institution:

Name of Chairperson:

Date:

Signature: