



## INTEGRAL SEED CONSERVATION UNIT (ISCU)

It is hereby informed that Integral Seed Conservation Unit (ISCU) is initiated at Integral Institute of Agricultural Science and Technology (IIAST), Integral University, Lucknow. The primary purpose of ISCU is to ensure the long-term preservation, viability, and availability of plant genetic resources, primarily through specialized storage systems and FIELD SEED BANK (FSB) with monitoring protocols.

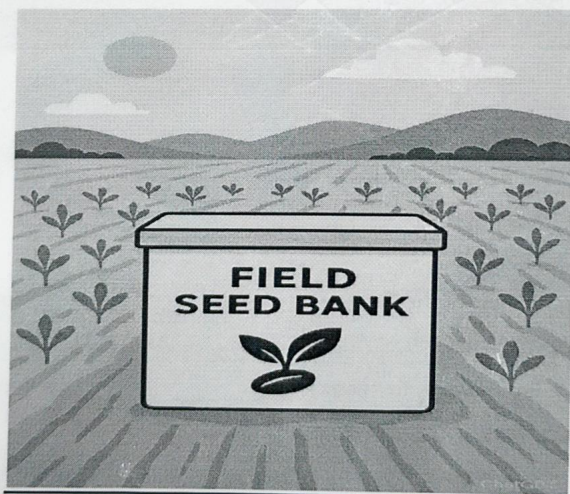
### CORE FUNCTIONS:

**Preservation of Genetic Diversity:** ISCU will collect and store seeds from diverse crop species (including rare, endangered, or wild species) to safeguard genetic variability for future breeding, research, and restoration efforts.

**Viability Maintenance:** ISCU will provide ideal storage conditions (controlled temperature and humidity) to maintain seed viability over extended periods, minimizing genetic erosion and safeguarding against threats like disease, disaster, or environmental change.

**Germplasm Cataloguing & Data Storage:** Each germplasm accession is given an accession number. This number will be prefixed, in India, with **IC** (*indigenous collection*), **EC** (*exotic collection*) or **IW** (*Indigenous wild*). Information on the species and variety names, place of origin, adaptation and on its various features will be recorded. The amount of data recorded during evaluation is compiled, stored and retrieved by using computer programmes.

**Field Seed Bank (FSB):** Under field seed bank facilities seeds will be grown in controlled field environments, periodically harvested, regenerated, and tested for disease resistance and genetic purity. Field banks allow institution to study and conserve species that cannot be stored as dormant seeds, such as many tree crops and vegetatively propagated plants.



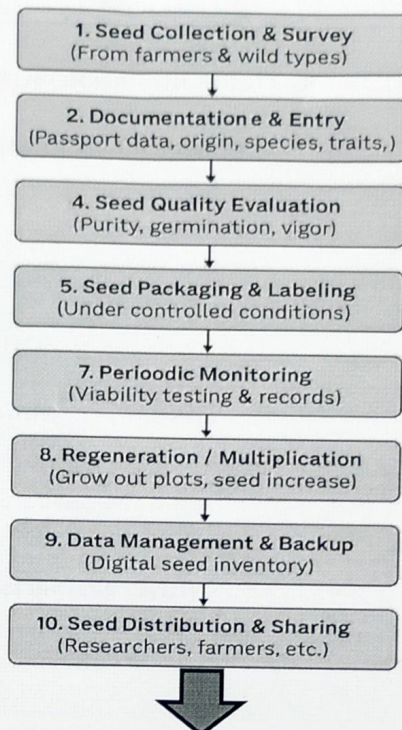
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General Procedure for Seed Conservation under ISCU



In case of application for farmer's variety by farmers or community of farmers or group of farmers as contained in the Protection of Plant Variety and Farmer's Rights Act, 2001 (PPVFR) shall be submitted only with an endorsement by the concerned Gram Panchayat (Gram Pradhan).

*Saba*  
9/25  
Prof. Saba Siddiqui

Head

Department of Agriculture

*Siddiq*  
03/09/28  
Prof. Mohammad Haris Siddiqui

Dean

Faculty of Agricultural Science and Technology  
Integral University, Lucknow



Annexure-1

INTEGRAL SEED CONSERVATION UNIT (ISCU)

PROFORMA FOR SEED COLLECTION

(A) Detail of Farmer/Organization/Community:

Name of owner: .....

Address: .....

.....

Mobile No: .....

Email: .....

Adhar No: .....

(B) General information of the crop variety

1) Common name of crop: .....

2) Name of variety: .....

3) Botanical name of the crop: .....

4) Local name of traditional variety: .....

5) For how many years have you been cultivating this variety? .....

6) Is it specifically used in any religious ritual or ceremony or dishes? .....

7) Place/source of seed collection: .....

8) Quantity received (kg/gm): .....

9) Geo tag photo attached (Mandatory): Yes ☐ No ☐

10) Whether variety is:

1. Desi type ☐ 2. Newly released ☐ 3. Commercially cultivated ☐

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**Characteristics of the crop variety:**

1	Growing Season (Rabi/Kharif/Zaid)	
2	Plant height (cm)	
3	Flower colour	
4	Seed colour	
5	Fragrance	
6	Weight of 100 seeds (gm)	
7	Maturity (Days)	
8	Yield (Qt/ha)	
9	Specific characteristics of variety (Draught/stress tolerance, any medicinal uses, climate resilient, disease resistance, suitable for waterlogged or sodic land, etc.)	
10	Any other, if	

Signature of owner: .....

Signature of receiver: .....

Date: .....

Full Name: .....

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Annexure-2

INTEGRAL SEED CONSERVATION UNIT (ISCU)

PROFORMA OF SEED SUBMISSION

Name of Faculty/Student: .....

Empl Id/Enrollment No.: .....

Date of Submission: .....

Year of Seed Harvest: .....

Sr. No.	Crop Name	Botanical name	Name of variety	Seed quantity (kg/gm)	Source of Seed collected

Date: .....

Signature: .....

Full name: .....

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