ICAR- CENTRAL RICE RESEARCH INSTITUTE
CUTTACK-753006, (ODISHA), INDIA
PHONE: 0671–2367768-783, FAX: 0671–2367663

Expression of Interest

Applications from interested potential entrepreneurs are invited to produce and supply Decomposers (Tech NRRI Decomposer, CRRI microbial consortium and CR Composter). Interested applicants are requested to submit their applications in the prescribed format on or before 15 July 2026 (please refer to the attached application format). After scrutiny of the applications, shortlisted entrepreneurs will be invited for a one-to-one interaction with the competent authority of ICAR-CRRI, Cuttack on 27th July 2026.

The required criteria for selection of the potential entrepreneurs are as follows;

i) Potential entrepreneurs should have the knowledge on production and supply of microbial decomposers and should have production unit.
ii) The applicant shall clearly state their production and marketing experience in the business of production and supply of microbial formulations.
iii) Preference will be given to the entrepreneurs underwent any microbial inoculants production and quality maintenance etc trainings programme organized by ICAR-CRRI, Cuttack or any other reputed institute or University or experience in the relevant fields or any other relevant technologies licensed with CRRI, Cuttack.
iv) Entrepreneurs must be registered under the Companies Act, 2013.
v) The entrepreneurs must manufacture the microbial consortium entirely in-house at their licensed facility under the direct supervision of ICAR-CRRI. Sub-letting, third-party loan licensing, or white-labeling is strictly prohibited

The terms of reference

i) The ICAR-Central Rice Research Institute shall provide the technology for the production of microbial Decomposers (Tech NRRI Decomposer, CRRI microbial consortium and CR composter) to the interested firm for licensing (with proper signed MoU).
ii) The Technical Committee from ICAR-CRRI will have the right to inspect the manufacturing unit of the firm and if the Committee feels that the Company/ firm is not having the required personnel, documents, machinery, technical personnel and other facilities which include financial back ground and capacity to execute orders, the EOI application is liable for cancellation/rejection.
iii) The applicant has to submit the samples of the above said microbial formulations from every batch of production for assess the quality at CRRI, Cuttack. Every batch of production will be examined by competent authority for quality checking, upon approval will be procured from respective entrepreneurs otherwise it will be rejected.
iv) The application shall be signed only by the proprietor, if it is a proprietary concern. The necessary documents of ownership are to be enclosed.
v) Upon selection, a Memorandum of Understanding will be jointly signed between the potential entrepreneurs and ICAR- Central Rice Research Institute.
vi) The EOI may be suspended or cancelled by the Competent Authority at any stage before the issuance of the production order, subject to the availability of grant/funding.

Kindly ensure necessary documents are attached to the application form and submitted via email to itmu.icarnrri@gmail.com with a copy to headcpd@gmail.com and on or before 15th July 2026.

Product Specification

Product Description:
A multi-strain microbial consortium developed for rapid decomposition of paddy straw and other crop residues under in-situ and ex-situ condition also enhancing soil quality.

CRRI Microbial consortium for In-situ Paddy Straw Residues Management

Efficient lignocellulolytic microorganisms viz., *Trichoderma* sp. *Aspergillus* sp. *Streptomyces* sp.), and *Bacillus* sp. is used for preparation of CRRI microbial consortium. This solid based formulation developed for in-situ management of in-situ paddy straw residues in field itself.

Product Specifications

Parameter	Specification
Product Type	Microbial Consortium for in-situ paddy straw residues management
Formulation	Carrier-based
Microbial Composition	*Trichoderma* sp., *Aspergillus* sp. *Streptomyces* sp. and *Bacillus* sp.
Total Viable Count	$\geq 1 \times 10^7$ CFU/g (carrier-based)
pH	6.0–7.5
Shelf Life	06 months
Packaging	1 kg pouches
Storage Condition	Cool, dry place below 30°C
Contamination	Nil at 10^5dilution level

Tech NRRI Decomposer for Ex-situ Paddy Straw Residues Management

Efficient lignocellulolytic microorganisms viz., *Trichoderma* sp., *Aspergillus* sp. and *Streptomyces* sp. is used for preparation of Tech NRRI Decomposer. This solid based formulation developed for Ex-situ decomposition of paddy straw residues/ agricultural wastes.

Product Specifications

Parameter	Specification
Formulation	Carrier based formulations
Microbial Strains	*Trichoderma* sp., *Aspergillus* sp. and *Streptomyces* sp.
Viable Cell Count	$\geq 1 \times 10^7$ CFU/g
pH	6.5–7.5
Contamination Level	Nil at 10^{-5} dilution
Shelf Life	06 months from date of manufacture
Packaging	1 kg HDPE pouch
Storage Temperature	20-30°C
Recommended Crops	Ex-situ decomposition of paddy straw residues

CR-Composter for in-situ, Ex-situ decomposition of paddy straw and pulp making from paddy straw

This is solid based formulations contains lignocellulolytic *Bacillus cereus* and *Penicillium* sp.) used for both in-situ, ex-situ decomposition and rice pulp making process.

Parameter	Specification
Formulation	Solid
Microbial Strains	*Bacillus cereus* and *Penicillium* sp
Viable Cell Count	$\geq 1 \times 10^7$ CFU/g
pH	6.5–7.5
Contamination Level	Nil at 10^{-5} dilution
Shelf Life	06 months from date of manufacture
Packaging	1 kg HDPE pouch
Storage Temperature	20-30°C
Recommended Crops	Decomposition of Rice straw and rice straw pulp making

Recommended Packaging Specifications

Parameter	Specification
Packaging material	Laminated HDPE pouches, aluminium foil laminate, or co-extruded moisture-proof containers
Carrier-based decomposers	1 kg packs
Container properties	Airtight, leak-proof, moisture-proof, UV-resistant, non-reactive
Sealing	Heat-sealed pouches
Storage condition	Store below 25-30°C, away from direct sunlight
Shelf life indication	Clearly mention manufacturing and expiry dates

Packing

a. Label Information (Mandatory)
b. Product name
c. Microbial strain(s)
d. Viable cell count (CFU)
e. Batch/Lot number
f. Net weight/volume
g. Manufacturing and expiry date
h. Recommended crops, dosage
i. Method of application
j. Storage instructions
k. Name and address of manufacturer
l. registration/license number
m. "Decomposer" prominently printed on the package
n. ICAR-CRRI technology

APPLICATION FORMAT

1. Name of the potential entrepreneur
2. Brief description (within 100words)
3. Type of products produced
4. Lab/Production area
5. Production capacity
6. Available machineries
7. Whether potential entrepreneurs can enhance their production capacity
8. Contact details

The selection of potential entrepreneurs shall be carried out based on the eligibility criteria prescribed in the Expression of Interest (EOI)

Declaration:
I confirm that the information provided above is accurate.

Signature :
Name :
Designation: