

Skill Development Program on Appropriate Technologies for Rural Development Organized Under CSIR Integrated Skill Initiative

 **October 07-08, 2026**

 **Venue: Papdahandi, Nabarangpur**

Objective

To impart practical knowledge and skills focusing on low-cost tech solutions for rural advancement such as terracotta sintering through improved kiln, low cost multi-purpose oven, improved biomass cookstove & affordable water purification techniques.

Key Focus

- i Terracotta Sintering process via Improved Kiln.
- ii Operation of Low-Cost Multi-Purpose biomass operated bakery Oven.
- iii Demonstration of energy efficient improved biomass Cook stoves.
- iv Low-Cost Water Purification Techniques for treatment of drinking water.

Course Overview

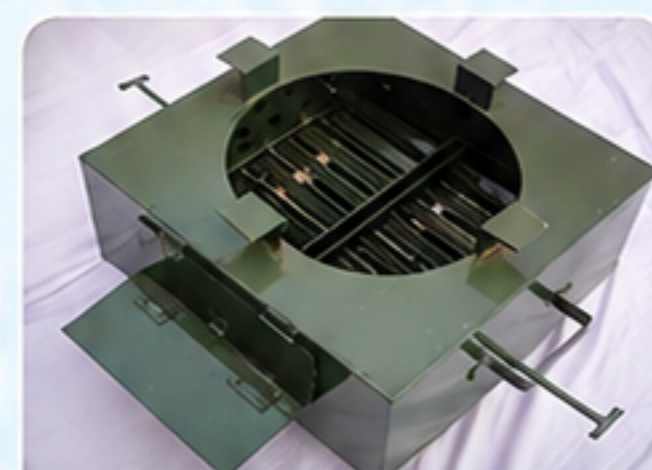
- Theory on efficient kiln designs, fuel savings, and emissions reduction, live demo of advanced kiln developed by CSIR-IMMT.
- Design principles for baking, hands-on fabrication, Practical Training in Bakery product making & packaging using local materials.
- Theory on cookstove designs, Stove efficiency testing, participants build prototype models.
- Theory on drinking water purification techniques, making of Ceramic filter using local materials, practical filtration setup and testing.



Mineral Rich Water Purifier



Bakery Products using Biomass Operated Bakery Oven



Natural Draft Improved Cook Stove



Terracotta Sintering through Improved Kiln

Who can join?

- Terracotta & earthenware artisans, farmers, unemployed Youth, women, Self Help Groups (SHGs), micro-entrepreneurs.
- No prior experience required! All sessions are designed for beginners.



Contact | Course Coordinators:

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