

Livelihood MICROWAVABLE POTTERY

APPLICATION :

Microwavable pottery is designed to be used safely in microwave ovens for cooking and reheating food. It offers a convenient and eco-friendly alternative to plastic containers. Additionally, microwavable pottery is often aesthetically pleasing and can be used for serving food directly from the microwave to the table.

ORGANISATION/INSTITUTION	: RUTAG IIT MADRAS
TECHNOLOGY READINESS LEVEL	: Commercialized
PRINCIPAL INVESTIGATORS	: RuTAG in collaboration with CGCRI

OBJECTIVES :

- Utilization of locally used common red clays
- Use of appropriate glaze to enable reusability
- Development of process setup for manufacture in potter clusters
- Testing of glazed wares to evaluate microwave compatibility

ABOUT THE TECHNOLOGY :

Microwavable red clay pottery technology developed by RUTAG IIT Madras is a process of making red clay pots that can be used in microwave ovens without any fear of cracking or breaking. This technology involves the use of a special type of clay that is mixed with other materials to enhance its strength and durability. The pots made using this technology are not only safe to use in a microwave but also retain the natural flavor of food.

SOCIAL IMPACT

Potentially improve the livelihoods of potters by increasing efficiency and reducing the time required for firing. It could also promote the use of sustainable and eco-friendly materials in the production of cookware. However, further research and implementation are needed to fully assess the impact on communities.

END USERS/CUSTOMERS

Potters

PRODUCT IMAGE



USP

- 1. creation of cookware that is both microwave-safe and eco-friendly
- 2. It is made from natural clay
- 3. This technology also allows for faster and more even cooking compared to traditional clay cookware.