

# **RuTAG & Technology delivery to rural areas**

**Ketaki Bapat**

**Office of the Principal Scientific Adviser  
to government of India, New Delhi**

# Rural Technology Action Group (RuTAG )

Strong S & T foundation in Basic as well as Applied research. Gap still persists in Appropriate Technology Delivery for Rural area, affecting development and Quality life. Spread of rural technology has been diffuse, uneven, and slow and its full potential for generating a rapid multiplier effect in rural economy has remained unrealized.

## Rural Technology action Group (RuTAG)- Problems/needs focused

- ✓ A mechanism to develop disseminate technologies for rural areas was initiated by PSA office in 2004.
- ✓ It addresses need based up-gradation of technologies with the help of RuTAG centres established at select **7 Indian Institute of Technologies (IITs)**. The needs are identified by NGOs, Public Sector Undertakings (PSUs) and State and Central Government organizations etc.
- ✓ These efforts are helping towards- Spread of refined technologies reaching to rural areas Spread of refined technologies reaching to rural areas , Addressing defused rural economy through S&T Platform. Technology delivery for various Sectors-*Non-farm/ Agriculture* and Clusters-*Handloom/Fisheries* etc.

# RuTAG Technologies

Technologies developed for Various sectors has better, larger impact

**Artisan/Cluster specific**-Silk ,Handloom, Wool, Potter

**Value addition** -Bamboo charcoal Kiln, Mahua flower products

**Environmental**- Mule Dung disposal, Gravity based ropeway ,  
Recharging dried water springs

**Miscellaneous**-Feed block making, Treadle pump, Floating Fish cage  
support structure

**RuTAG mechanism provides customization, skill development and these technologies has potential for local entrepreneurship and manufactured locally.**

**Replication**- Few technologies could be replicated through Entrepreneur, Corporate Social Responsibility (CSR) channels and also have well received at grass route level.

# RuTAG Technologies



1. Conventional Pit Loom      Modified Nepali Loom



2. Fancy Mat at Latur, Maharashtra

3. Designs with electronic jacquard on grass mats of Pattamadai

# Floating Fish cage structure



# Interactions with ministries and Manufacturing

## Interactions with Department of Commerce (Doc)

- ✓ Technology up-gradation program of engineering goods has 90 groups and few groups taken up by PSA office.
- ✓ Helping to commercialization of the quality product with scientific inputs from leading research institutes and industry participation. Virtual platforms and other facilities.

## Interactions with M/o DONER, M/oRD

Select RuTAG technologies would be replicated with local facilities

### Envisaging- Strengthened Rural base by

- Creating/supporting Net work of the local entrepreneurs
- Integrating the efforts existing schemes
- Delivering appropriate technologies for few focussed areas through-  
IMF platform

**THANK YOU**