

## **Minutes of the Science & Technology Intervention for NER (STINER) Workshop on 12 & 13 Oct 2017 in MDoNER, New Delhi.**

The JS(SNP) welcome the participants from NERCORMP & NERLP Livelihood groups and representatives from various Government Ministries. He gave a brief introduction on STINER and explained the way forward for disseminating the identified technologies for the benefit of farmers and artisans.

and also to hear from the livelihood groups the various needs in technology sector to strengthen the institutions already built & scale up their livelihood.

Secretary, DoNER stated that this workshop has been organized to disseminate various Government schemes being implemented by GoI Ministries and to create synergy to have holistic development in NER. this workshop is to bring various organizations of the GoI / Scientific Institutions and the livelihood groups at ground level to network better and understand the felt need of the rural poor.

2. The Managing Director, NERCORMP and Project Director, NERLP gave presentation on the NERCORMP & NERLP projects. The following have been agreed upon:

i). Fish cage from IIT RuTAG (Bombay) :

Transportation / sites installation to be made clear (NEDFi) Indent by O/o PSA

NERCORMP to receive delivery

12.1.2018 – 5 fish cages on ground

- 2 NERLP

Power problem in NERCORMP so bamboo charcoal viable

TURA – wood to dry tea leaves.

Dryer: Turmeric, ginger, chillies, fruits, large cardamom

November end ready on ground.

Nisarguna 20 Kg. – NERCORMP 20 units

Micro-hydel changeling 30 dozens

Anil Joshi

Puff rice – Chandel

Karbi angling

Changling

West Gairo Hills

Tripura 5 district

3 days project entrepreneurs training in Tripura (last week October 25-27, 2017) have reserved list.

Dr. Anil Joshi : Prof Botany (HESCO)

Why not merge W/E Himalayan region we have merge dew Himalayan as a brand.

It is under used. Not by indigenous groups. 05% land water comes from Himalayan region.

Bamboo / wood industries from NER.

Wild fruits, Horti / Agri ---- to Himalayan Region

Power House for a hydro-plant.'

Small hydro plant to connect with grid.  
 Bio tourism  
 Dew.---intelligence  
 Please visit one plant –  
 How to preserve fruits (HESCO)  
 Finish – process, dried guava (post harvesting technology)  
 Jack fruit processing into sever varieties.  
 Black rice (value addition)  
 Create knowledge hub for the local community (even after end of projects)  
 Wheat  
 Total 126 biotech Hub – DBT has developed in NER  
 (1-3 November visit to Hesco centre) 22 NERLP  
 Along with Palampur (CSIR centre)  
 Pottery units: Potters units material to try out in (khur training)

Elect 20,000 per unit  
 30 units 1<sup>st</sup> demand  
 Sikkim  
 Candles – NERLP to NEHHDC  
 NERLP 1200  
 Bamboo value chain : IPIRTI – Letz 2.5 lakhs  
 Wgaro, Tura, Chandel – 5 districts Tripura  
 CSIR – Emat  
 Waste flowers & waste biomass foment to agarbati, dried mango, bamboo, banana  
 ppt  
 ICAR – CSIR PPT  
 Feed blocks – fodder 50 each  
 Eri silk : cocoon opener 60 each (120)  
 Hank to bobbin – Muga silk / handloom 35000  
 Mushroom cutter – 2500/-  
 Bamboo processors  
 Sanitary napkins  
 RuTAG (Guwahati) Potter's wheel unit 35000  
 Feedblock – 100  
 Eri cocoon - 120  
 Hand to bobbin - 120 Funds in 1 Week  
 Dryer – 200  
 Shaff cutter – 100  
 (10% tech fee to IITs)  
 Sikkim: SAL leave/ ---tech IIT (Kharagpur)  
 CIFTR - Picbills  
 Bakkery: Buck wheat (use) (Food Deptt Kharagpur)  
 Feedblock: Sikkim (feed block machines)  
 Pottery wheel – candle moulds (IIT Delhi)  
 Paper bags making machine  
 Visit IIT (G)- bicycle 150 kg per trip

3 days for welders / fabricators from project district 6-8 November – NERLP – mala making  
Prof Kakoti  
Prof. Bhaduria (IIT Kharagpur)  
Rope making machiens  
Door matt  
Sal leave plates  
Bamboo mat & packing for NERAMAC also fruits / flower

#### IPIRTI

Ist session  
Mobile app for weavers  
Tech demo centre / CFC Jheme based each in NERLP / NERCORMP  
Non-farm / farm  
NEIST Jorhat 2 centres at Imphal & Itanagar along with skill component  
Multi-disciplinary centre  
More than 100 scientists  
Pertaining which TATAS  
They have developed good ayurvedic medicine  
CFC\_ How do NERLP / NERCORMP use this central technology bio fertilizer for Sikkim.

#### Secy's Points:

1. India rank 100 in terms of hunger worse than Bangladesh / Nepal – Niti Aayog Report (Meghalaya, Tripura and Sikkim)  
M/o Agriculture: MoVCD – NER- Sikkim CS note aware  
Why not ---- all schemes which is at ground level?  
All PO'S" / Feds' must give to NERAMAC, NEHHDC for market linkage.  
S&T must look at economic development for common man.  
SAMPADA Scheme: MoFPI subsidy of 50% to AGS  
Why local people PMPKY DDUGKY  
(Four STINER Whatsapp group for this group)  
SANKALP SIDDHS: PM launch (75<sup>th</sup> year of Quit India Movement)  
NERLP / NERCORMP aware of all GoI Schemes.

RUSA – MHRD: scholarship for higher studies.

IIT (G) 100

NEIST: 30-40 technologies for choice

All STINER technology will be free at MDoNER level but to Fed / PD's

#### NEIST Technology:

1. Fresh pulp machine 22 units (NERLP / NERCORMP)
2. Dryer : Cinamon, Bay leaves, pepper – powder & paste both
3. Crispy fruits – CSIR (3-4 months)  
Pineapple, lemon, kiwi, litchi orange, mango Total units Rs. 3 crore  
Per day 200 kg processing

Total 4 units : 2 Sikkim, 1 Nagaland and 1 Mizoram

Demand for smaller units for NERCORMP

CEO – mobile distillation unit, pineapple powder

Dryer: large cardamom for Nagaland, Sikkim and Arunachal Pradesh

[www.neist.res.in](http://www.neist.res.in)

Lemon grass, citronella (high yielding varieties classical breeding – Mizoram and Manipur)

50 crore NCCPS (6) Aroma Mission

Bamboo candy, processing unit

Micrologist ----- Electronic & IT

Digital 2022 for NER Weaver and youth for NER To do extra ordinary work

Empowerment to life's skills (through digital)

Entrepreneurship

E-commerce

Educational

Verifying clusters from

3 interventions in NER

Create more livelihood opportunities

Skilling of younger generation

Digital weaver resource centre (cluster weavers)

For ---- and scanning – Meiti & MDoNER will help develop App

We will coordinate with IIT(G) and micro soft for cross weaving

GiZ – looms – 100 units

IIT Delhi

Tulti Mall 4000-5000

Water pump

Wool - Sikkim

Trace for

Glass bangles – Try trust in IIT Delhi / Guwahati

----Water testing machines – Sikkim,----, Arunachal Pradesh

(all attachments ----NERCORMP all

IIT(B)

Bamboo testifying unit

1. Fish cage : 5 units IIT 9KH0/ Gty/ B for fabrication - December 1<sup>st</sup> week training
2. Water harvest - Banana fibre, bamboo fibre - Garo Hills, West Khasi Hills NGIST will help – banana fibre, pineapple fibre – Coordinator PD NERLP
3. Organic jiggery with ginger flavour
4. Dhoop sticks
5. Old sarees creating machines (fabricated)
6. Dairy --- ----- Garo hills , S.Sikkim
7. Solar dryer – 7000 – DIY manual

## 8. Karbi arlong:

IIT (G)

IIT(M) pedestrian bridges

Loom – 2 lakh per unit

Proto type machines to be fabricated and deploy to IIT(G) or IIT(Kh) coordinated by O/o PSA

Sanitary napkin machines

Concluding remarks:

Fair trade India (CEO) Socio-economic (forum)

NEDFi for advocacy of

November, 2017 organization / exhibition

November 2017

1. Fair Utsav – November (organic / crafts )
2. Fair fashion show for fibers / textiles endorse sustainable fabrics with modern design
3. Fair Food exhibition

DBT (PPT)

CAU-Tura – jackfruit (multiple citrus products)

Tripura – pig- pork Aroham Foods Ltd.

Fisheries at Tripura (CAU)

Diseases of our animals – trade boundary

Twinning R&D programmes

Bio-tech huts in NER

CFC – SASRD (hand holding with HR)

Pineapple transportation by train

MNER - Scientist

Solar energy

Bio-mass

70% subsidy

Renewable energy

(IIT Kharagpur Director) STINER portal

National Digital Library

Participatory movement

Create knowledge on all verticals

A specific verticals forum NER

Participating clusters, people must give content

Banking loan: ---- comes to be tried out in Guwahati for loan with DFS

Media consultant

Mom GSC

MoM STINER workshop

Calender

STINER CSF

NHBM WFI to MoS

Guwahati University: water Brahmaputra study to NEC – Please find

DD – Paryatan Parv 13<sup>th</sup> October

NHBA – Honey fox follow up / NEC

Secretary DoNER : Diplomatic magazine