

**Event-wise Report under the Advocacy & Publicity Scheme of the
Science & Technological Intervention for North East India
(STINER) Programme, under the Advocacy & Publicity Scheme
of MDoNER**

Submitted by



**North Eastern Development Finance Corporation Ltd
(NEDFi)**

CONTENTS

BACKGROUND.....	1
EVENT-1 - PROCUREMENT, DEMONSTRATION & TRAINING ON FEED BLOCK MACHINE	5
EVENT-2 - FISH CAGE TECHNOLOGY DEMONSTRATION & AWARENESS PROGRAMME	7
EVENT-3 - PROMOTION OF REUSABLE SANITARY NAPKIN TECHNOLOGY:.....	11
EVENT-4 - INSTALLATION, TRAINING & AWARENESS ON NISARGRUNA TECHNOLOGY.....	18
OVERALL ACTIVITIES DONE BY NEDFi.....	21
CONCLUSION	21



BACKGROUND

The Ministry of Development of North Eastern Region (MDoNER), under the **Advocacy & Publicity Scheme** and the **STINER Programme**, entrusted the **North Eastern Development Finance Corporation Ltd. (NEDFi)** with the responsibility of implementing technology demonstration, awareness generation, procurement, installation, training and promotion of appropriate technologies across the North Eastern Region.

The project was sanctioned at a total cost of **₹10.45 crore**, with NEDFi receiving the first and second instalments for execution of the programme. Subsequently, revised operational guidelines permitted modification in the quantity of technologies considering GST and transportation costs, while authorising NEDFi to release funds to Technology Facilitators and coordinate implementation.

Role of NEDFi under the Advocacy & Publicity Scheme

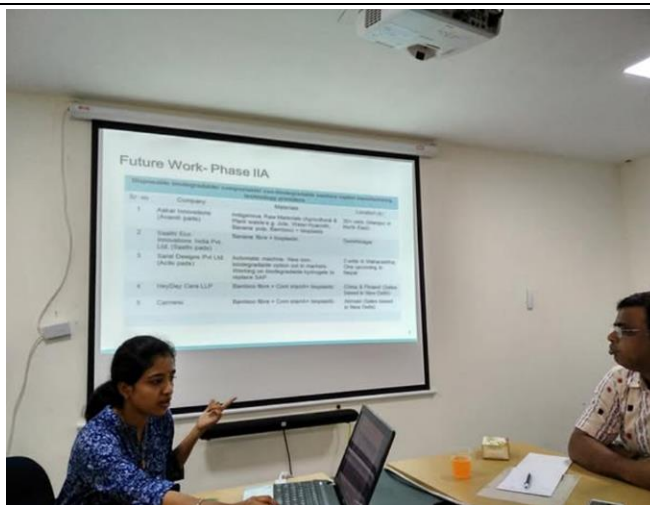
Throughout implementation, NEDFi functioned as the implementing agency responsible for:

- Release of project funds to Technology Facilitators.
- Procurement management.
- Tendering and vendor selection.
- Coordination with IIT Guwahati, IIT Bombay, IIT Madras and BARC.
- Organising awareness programmes.
- Conducting beneficiary training.
- Facilitating technology demonstrations.
- Monitoring installation and commissioning.
- Coordinating with State Governments, NERCORMP, NERLP, SHGs and local institutions.
- Overall programme management and reporting to MDoNER/ NEC.

Glimps of various Meetings attended by NEDFi



2 days brainstorming session on "Science and Technology Intervention in North Eastern Region (STINER) of India" at Vigyan Bhawan, New Delhi on 12th & 13th Oct, 2017



Meeting on Science and Technology Intervention in North Eastern Region (STINER) at IIT, Guwahati on 16th July 2018.

EVENT-1

Procurement, Demonstration & Training on Feed Block Machine Technology

Objective

To promote scientific fodder management through Hydraulic Feed Block Machines for livestock rearers, particularly those engaged in Yak and Mithun rearing in hilly areas of North Eastern Region.

Assistance provided by NEDFi

NEDFi:

- Released project funds to **RuTAG, IIT Guwahati** for procurement of **15 Hydraulic Feed Block Machines**.
- Coordinated procurement, installation and deployment of machines at demand-based locations under NERCORMP/NERLP.
- Facilitated technology demonstrations and awareness programmes.
- Supported capacity building through hands-on training for field functionaries and beneficiaries.

Awareness & Training Activities

Major activities facilitated by NEDFi included:

- Training Programme on **Hydraulic Feed Block Machine and Biomass Dryer** held at **RuTAG, IIT Guwahati on 7 February 2019**.
- Live technology demonstrations showcasing production of nutrient-enriched cattle feed blocks.
- Awareness programmes highlighting improved livestock productivity and fodder conservation.

Outcome

- Promotion of improved livestock feeding practices.
- Capacity building of farmers.
- Demonstration of appropriate rural technology suited to North Eastern conditions.
- Strengthening livelihood opportunities for animal rearers.

Photographs

Few glimpse of Feed Block related program are provided below:



Training Programm on Feed Block



View of Demonstration Programm

EVENT-2

Fish Cage Technology Demonstration & Awareness Programme

Objective

To promote scientific inland aquaculture through Floating Fish Cage Technology for enhancing fish production and rural livelihoods.

Assistance provided by NEDFi

NEDFi:

- Released funds to **IIT Bombay** for procurement of fish cage structures.
- Facilitated subsequent technology transfer to **RuTAG, IIT Guwahati**.
- Coordinated procurement and installation of additional fish cages at NERCORMP project locations.
- Supported orientation programmes and technology demonstrations.

Awareness Activities

NEDFi facilitated:

- Fish cage orientation programmes.
- Demonstration of floating fish cage technology.
- Awareness campaigns among SHGs and fisheries stakeholders.

Expected Benefits

- Increased fish production.
- Employment generation.
- Higher income of rural households.
- Improved food security of people living in the project village.

Impact

The technology enabled scientific fingerling production and promoted sustainable inland fisheries across project locations in Manipur and other North Eastern States.

Photographs

Few photographs of Fish Cage awareness programme with MDoNER & NERCORMP officials:



Mr. Dharma Teja with representatives of NERCORMP standing on Fish cage at Ukhrul



View of Fish Cage Orientation work



Assembly of 'Fish cage' on shore at Ukhrul



Fish cage in water at Ukhrul



Fish cage in water at Churachandpur



View of Fish Cage

EVENT-3

Promotion of Reusable Sanitary Napkin Technology:

One key project under STINER was the feasibility study of reusable cloth pads among women in Nagaland, Sikkim, and Tripura. The trial showed improved menstrual health and led to the establishment of 20 sanitary napkin manufacturing units across eight North Eastern states.

Objective

To improve menstrual hygiene, promote women entrepreneurship and generate sustainable livelihoods through community-based sanitary napkin manufacturing units.

Assistance provided by NEDFi

NEDFi:

- Released project funds to **RuTAG, IIT Madras**.
- Facilitated establishment of sanitary napkin manufacturing units across North Eastern States.
- Coordinated with implementing agencies including:
 - Eco Femme
 - Jatan Sansthan
 - Vatsalya Foundation
 - Aakar Innovations
- Supported identification of SHGs through NERLP and NERCORMP.

Awareness & Capacity Building Activities

NEDFi facilitated:

- Three-day Training Programme on Reusable Sanitary Napkins commencing **31 October 2018**.
- Workshop-cum-Awareness Programme organised by IIT Madras.
- Community awareness campaigns on menstrual hygiene.
- Distribution of reusable sanitary napkins through SHGs.
- Demonstration of production technology.

Impact

The intervention resulted in:

- Enhanced awareness on menstrual hygiene.
- Establishment of manufacturing units across the North East.
- Creation of livelihood opportunities for women SHGs.
- Promotion of environmentally sustainable sanitary products.

Photographs: Few photographs of training session on re-usable Sanitary Napkin manufacturing, distribution of re-usabale sanitary napkins to beneficiaries through SHGs, workshop-cum-awareness programme on Sanitary Napkins are provided below:



Snap of 3 days training on Re-usable Sanitary Napkin started on 31st Oct, 2018





a. Snaps of Nightingale SHG Federation, Bordumsa distributed reusable sanitary napkins to government schools under Changlang Circle, Arunachal Pradesh.





b. Workshop cum Awareness programme on Sanitary Napkins held on 7/4/2018.





c. Photograph of Units



Project Implementation at NER pictures:



EVENT-4

Installation, Training & Awareness on Nisargruna Biogas Technology

Objective

To promote scientific organic waste management and renewable energy generation using BARC's Nisargruna Technology.

Assistance provided by NEDFi

NEDFi:

- Floated national tender among BARC empanelled vendors.
- Awarded implementation contract to **M/s Global Scientific Inc.**
- Coordinated supply, installation and commissioning of:
 - 10 units of 50 kg Nisargruna Plants
 - 2 units of 5 MT Nisargruna Plants
- Facilitated installation across Arunachal Pradesh, Mizoram, Nagaland, Manipur, Sikkim and Tripura.
- Coordinated beneficiary departments and implementing agencies.
- Ensured inclusion of training during commissioning.

Awareness Activities

The programme included:

- Demonstration of waste-to-energy technology.
- User training during commissioning.
- Awareness on scientific waste management.
- Promotion of decentralized renewable energy solutions.

Outcome

The intervention strengthened:

- Organic waste management.
- Rural clean energy generation.
- Scientific composting.
- Community awareness on sustainable environmental practices.

Photographs

Few snaps of Nisargruna Plant are provided below:



Snap taken in Mizoram for Nishargruna Plant



Snap taken in Pelling for Nishargruna Plant



Snap taken in Chandel, Manipur for Nishargruna Plant



Snap taken in Churachandpur, Manipur for Nishargruna Plant

OVERALL ACTIVITIES DONE BY NEDFi

Component	Assistance by NEDFi
Feed Block Machines	Procurement, fund release, demonstrations, installation and training
Fish Cage Technology	Procurement, technology transfer, demonstrations and awareness
Sanitary Napkin Units	Procurement, training, awareness campaigns, SHG mobilisation
Nisargruna Plants	Tendering, procurement, installation, commissioning and training
Technology Promotion	Coordination with IITs, BARC, implementing agencies and State partners
Capacity Building	Awareness programmes, demonstrations and beneficiary training

CONCLUSION

Through NEDFi's implementation support under the Advocacy & Publicity Scheme, the STINER Programme successfully:

- Demonstrated appropriate technologies across North Eastern India.
- Built awareness among rural communities.
- Trained beneficiaries, SHGs and implementing agencies.
- Promoted scientific agriculture, fisheries, renewable energy and women's health technologies.
- Enhanced livelihood opportunities through technology-led interventions.
- Strengthened collaboration among MDoNER, premier research institutions, State Governments and community organisations for sustainable socio-economic development in the North Eastern Region.