



वस्त्र मंत्रालय
MINISTRY OF
TEXTILES

WILD SILKS
OF INDIA
स्वामय
Eco friendly Indian Silks

CSB – CMER&TI AT A GLANCE 2026



CSB-CMER&TI

Central Muga Eri Research and Training Institute
Central Silk Board, Ministry of Textiles, Govt. of India



Established by
Central Silk Board (CSB),
Ministry of Textiles,
Govt. of India in 1999

CSB-CMER&TI

Central Muga Eri Research and Training Institute

— RESEARCH • INNOVATION • IMPACT —



A premier national R&D
Centre dedicated to
catering to the needs of
the Vanya sericulture
industry across India,
focused on Muga, Eri and
oak tasar culture.



A KEY NATIONAL RESEARCH HUB

Situated at:
Lat 26° 47' 04" N
Long 94° 20' 01" E
Altitude 63 AMSL



Over two decades, the institute has
developed a number of technologies to help
the Vanya sector, widely adopted by
sericulture farmers across India.



SUSTAINABLE SERICULTURE



EMPOWERING FARMERS



BUILDING A STRONGER FUTURE



VISION

To emerge as an international
research institute of excellence
for Muga and Eri culture to
ensure higher productivity and
growth in sericulture.



MISSION

To achieve excellence in
application-oriented research
for transforming the Muga
and Eri industry from
subsistence to a vibrant
commercial base.



MANDATE

To act as apex R&D institute
providing support for Muga,
Eri and oak tasar culture
with applied and basic
research.

TRAINING AND R&D PROGRAMME

FROM 2021-2025



CAPACITY BUILDING & TRAINING

PROGRAMMES

633

NO. OF
BENEFICIARIES

12,766



Extension Communication Programme (ECP)

PROGRAMMES

347

NO. OF
BENEFICIARIES

22,461

TRIALS & DEMONSTRATIONS OVERVIEW



On Station Trials (for validation of
technology at CSB institutes/ RSRs/
DoS units etc.)

Total Trials: 7

1. Rearing management of Muga silkworm in cooler region during summer
2. Validation of NaOCl and Nirmool for egg disinfection to reduce pebrine spread.
3. Validation of Pebrine detection through mobile/web base App.
4. Validation trial of NBR-4 (Acc. 22) of castor.
5. Popularization of thermo-tolerant Oak Tasar breed C27-7
6. Popularization of Eri C2 breed and Borduar eco-race in Manipur
7. Multi-location trials breeds/crossbreeds of Eri



On Farm Trials (for demonstration of
Technologies at farmers' level)

Total Trials: 7

1. Popularization of Kessuru Eri host Plant HF005 and HF008
 - Popularization of Borpat Eri host plant
 - Popularization of other muga and eri host plants
2. Popularization of Formulation for Muga cocoon cooking (Muga Super Cook)
3. Validation of cold reeling technology
4. Trials of formulated volatiles application for enhancing egg laying capacity of muga silk moth during commercial crop.
5. Trials of formulated volatiles application for enhancing egg laying capacity of eri silk moth during commercial crop.
6. Improved platform rearing technology in Eri culture
7. Promotion of plastic mountages in ericulture



TOTAL PROGRAMMES

980



TOTAL BENEFICIARIES

35,227



TOTAL PROJECTS

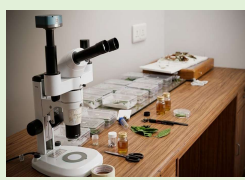
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R&D DIVISIONS & SERVICES OFFERED

Divisions	Key Services
 Project Monitoring & Coordination Evaluation (PMCE)	 Technological support to sericulture farmers in Northeast India
 Silkworm	 Basic planting material of high-yielding wild silkworm food plants
 Host Plant	 Pest & disease surveillance, forecasting and forewarning
 Biotechnology	 Technology packages for reeling and spinning
 Sericulture Extension, Economics and Management (SEEM)	 Agro-advisory, soil testing and soil health cards
 Training	 Production and supply of basic seeds
	 Training on all aspects of Vanya sericulture

INFRASTRUCTURE

 Land Area	37.93 acres (Main campus, Lahdoigarh) + 16.67 acres (GCC, Chenijan) + 5 acres (Cinnamara)	 
 Laboratories	Agronomy & Soil Science, Biotechnology, Entomology, Pathology, Post Cocoon Technology, Silkworm Seed Technology	 
 Other Facilities	Conference hall, Training Hall, 36-bed hostel, Guest house, Library, Vanya Silk Museum, Cold storage, insect repository	 
 Genetic Resources	- Som – 51 - Soalu – 22 - Digloti – 13 - Castor – 20 - Castor – 20 - Kesseru – 10	

Technologies Developed by CSB-CMER&TI

Improved Eri Breed 'C2'



Improved Oak Tasar Breed 'C27'



High yielding Castor Variety (NBR-1)



Improved Som (S3 and S6)



High Yielding Varieties of Kessuru (HF-005, HF-008)



Muga Chawki Rearing



Eri Chawki Rearing



Lahdoi formulation: Muscardine



Phytoplighton for Soalu Leaf Blight Control



Platform rearing technology of Eri



Plastic Mountages



Stem Borer Control



Bamboo Strip Type Mountages for Cocooning



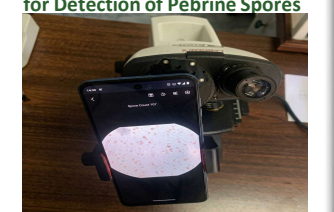
Muga Super Cook



Loose Egg Production Technique



PEB DETECT Mobile App: A Technology for Detection of Pebrine Spores



Muga and Eri IFS Model



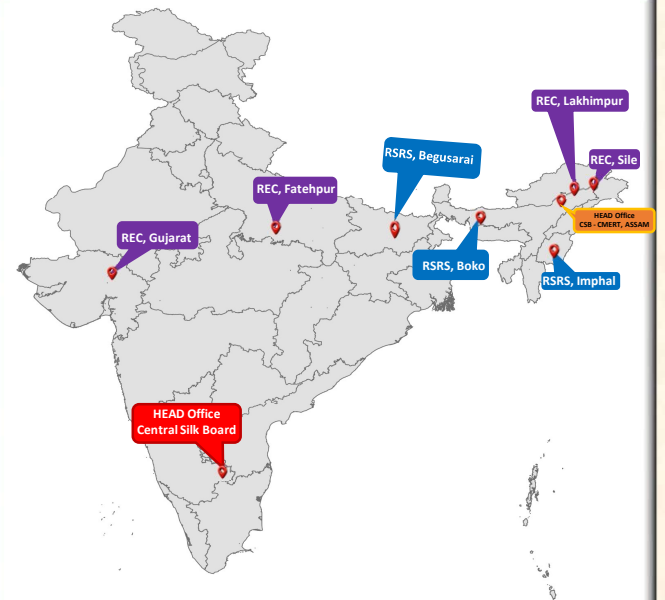
Eri IFS Model



Indoor Muga Rearing



- ❑ Methoprene-Based Fecundity Enhancement in Muga Silkworm
- ❑ Biological control of Uzi fly
- ❑ Box - Type Bamboo Mountage
- ❑ Pruning technology-Som
- ❑ PET Bottle Uzi Trap
- ❑ Sodium Hypochlorite Seed Treatment to control Tiger Band Disease in Oak Tasar



CONTACT

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