

MINUTES OF 72nd RESEARCH COUNCIL MEETING OF CSB-CMER&TI, LAHDOIGARH (02/12/24)

The 72nd Research Council (RC) Meeting was held on December 2nd, 2024, under the Chairmanship of Dr. Kartik Neog, Director of CSB-CMER&TI, Lahdoigarh. The list of the participants is enclosed as Annexure-I. The meeting proceeded with discussions as per the agenda items.

AGENDA No. 1: Confirmation of Last RC Meeting Minutes

The minutes of the 71st Research Council meeting held on 09.05.2024 were circulated to all members, and as no comments were received, they were confirmed.

AGENDA No. 2: New Concept Notes

Nil

AGENDA No. 3: Status Of Concept Notes Presented in The Last RC Meeting

The RCS section of CSB, Bengaluru recently approved the following nine projects. The respective investigators were advised to present the projects as per the set PPT format and effectively comply with the RCS comments under each project for the 44th RAC meeting held on 3rd and 4th December 2024:

1. **CSB/CME/RCN 310 (CNID00085):** Infochemicals mediated multifarious behavioural tactics for Uzi fly management in Muga culture.
Action: Dr. K Chandrakumara, Sc-B, Silkworm Division
2. **CSB/CME/RCN 313 (CNID00095):** Genetic Enhancement of Tapioca (*Manihot esculata* C.) for high Leaf Yield, Leaf Quality and Tuber Yield for Sustainable Eri culture.
 - The PI was advised to re-submit the project along with justification for initiating the same from CSB-CMER&TI and taking up collaboration with CSB-CSR&TI, Mysuru if required.
Action: Dr. Harisha R, Sc-B, Host Plant Division
3. **CSB/CME/RCN 314 (CNID00099):** Collection, Screening, and Evaluation of Nitrogen Use Efficiency in Kesseru (*Heteropanax fragrans* Seem) for Climate Smart Ericulture
Action: Sh. Sinto Antoo, Sc-B, Host Plant Division
4. **CSB/CME/RCN 315 (CNID00101):** Development of mobile-based application for organized Muga seed sector
Action: Sh. Pulak Rabha, Sc-B, REC-Lakhimpur
5. **CSB/CME/RCN 316 (CNID00115):** Development of rearing technology in Early Spring and Late Autumn crop

- The PI was advised to modify the title of the project as suggested by RCS and present in 44th RAC.

Action: Dr. Reeta Luikham, Sc-D, RSRS, Imphal

6. **CSB/CME/RCN 317 (CNID00117):** Deciphering Virulent and Avirulent Strains of Nosema infecting Muga Silkworms

Action: Ms Brunda B N, Sc-B, Silkworm Division

7. **CSB/CME/RCN 318 (CNID00123):** Integrating Muga Silk Heritage with Sustainable Organic Tea Cultivation

- The PI was advised to invite Dr. Gautam Saikia, Professor, AAU, Jorhat during the 44th RAC for fruitful discussions and finalizing the objectives of the project.

Action: Sh. Sinto Antoo, Sc-B, Host Plant Division

8. **CSB/CME/RCN 350 (CNID00113):** Isolation of shorter larval duration line of Oak Tasar silkworm – *A. proylei* through selection from the mass population

Action: Dr. Somen Singh, Sc-D, RSRS, Imphal

9. **CSB/CME/RCN 364 (CNID00177):** Evaluation and Genomic Dissection of Castor (*Ricinus communis*) Germplasm for Eri culture

Action: Dr. Harisha R, Sc-B, Host Plant Division

AGENDA No. 4: Review Of the Progress of On-Going Projects

The Progress of the following ten ongoing projects was reviewed and the respective investigators were advised to continue the projects as per the set target milestones and effectively utilize the allocated budget under each project:

1. **AIB 5013 SI: Impact of elevated CO₂ and temperature on muga silkworm and its primary host plant**

Sh. Sinto Antoo, SC-B, Hostplant Division, presented the progress of the project.

Suggestions from the committee:

Continue the project as per the set objectives and target milestones.

2. **APS-05021-EF: Studies on population diversity and role of host plant volatile cues for enhancing egg laying in temperate tasar (Vanya) silk moths *Antheraea proylei***

Dr. S. Subharani, Sc-D, RSRS, Imphal, presented the progress of the project.

Suggestions from the committee:

Continue the project as per the set objectives and target milestones.

Pursue with the funding agency for the release of the remaining funds.

3. **ARP05023CN: Muga and Eri silkworm disease monitoring in north eastern states of India**

Dr. Arun Kumar K P, Sc-D, Silkworm Division, presented the progress of the project.

Suggestions from the committee:

Continue the project as per the set objectives and target milestones.

Pursue development of Seri DM type app as per previously envisaged target.

Draft a monitoring calendar and follow the same for field visits to monitor the Muga and Eri silkworm diseases in various Northeastern regions.

4. AIT05024EF - Advanced-Level Institutional Biotech Hubs at CMERTI-Jorhat (Phase-II)

Dr. Arun Kumar K P, Sc-D, Silkworm Division, presented the progress of the project.

Suggestions from the committee:

Continue the project as per the set objectives and target milestones.

5. PIB 5025 SIC: Characterization and evaluation of Soalu (*Litsea monopetala*) accessions for muga silkworm (*Antheraea assamensis*) rearing

Dr. O P Patidar, Sc-C, Hostplant Division, presented the progress of the project.

Suggestions from the committee:

Continue the project as per the set objectives and target milestones.

6. SPR 5026 SIC: Development of suitable Muga and Eri-based Integrated Farming System (IFS) for North East India

Dr. D Mech, Sc-D & Head SEEM and Training Division, presented the progress of the project.

Suggestions from the committee:

Continue the project as per the set objectives and target milestones.

7. MOE 5027 SIC: Economic analysis of Tapioca based Ericulture in Assam & Nagaland

Dr. Vijay N, Sc-C, SEEM Division, presented the progress of the project.

Suggestions from the committee:

Continue the project as per the set objectives and target milestones.

8. SPR 5028 SIC: Popularization of Improved Technologies of Muga Culture for Enhancing Cocoon Production in Manipur

Dr. Subadas Singh, Sc-C, RSRS, Imphal, presented the progress of the project.

Suggestions from the committee:

Continue the project as per the set objectives and target milestones.

9. PIT 5029 SIC: Development of clonal propagation methods in Borpat (*Ailanthus grandis* L.) for its mass multiplication

Dr. O P Patidar, Sc-C, Hostplant Division, presented the progress of the project.

Suggestions from the committee:

Continue the project as per the set objectives and target milestones.

10. MOE 5030 SNC: Evaluation, optimization & Popularization of Ericulture Practices in Castor Growing Areas of Gujarat

Dr. Mahesh D S, Sc-C, Silkworm Division, presented the progress of the project.

Suggestions from the committee:

Continue the project as per the set objectives and target milestones.

AGENDA No. 5: EXTENSION COMMUNICATION PROGRAMMES

Dr. D Mech, Sc-D & Head SEEM Division presented the overall progress of the Extension activities conducted thus far during 2024. It was advised to strive for achieving the financial and physical targets by the end of February 2025.

AGENDA No. 6: CAPACITY BUILDING & TRAINING PROGRAMMES

Dr. Harisha R, Sc-B, Training Division presented the events conducted so far and henceforth plans to be carried out during 2024-25. It was advised to strive for achieving the financial and physical targets by the end of February 2025.

AGENDA No. 7: OTHER POINTS/GENERAL SUGGESTIONS

- All scientists must strategically plan and diligently work towards achieving their respective project targets within the stipulated timelines and budget.
- All scientists must visit farmers' fields to understand their problems and work towards the upliftment through focused research projects.

The meeting ended with a vote of thanks by PMCE.



(Dr. Kartik Neog)
Director & Chairman-RC

**List of Participants in the 72nd Research Council Meeting of CSB-CMER&TI,
Lahdoigarh Held on 2nd December 2024**

1. Dr. Kartik Neog; Director, CMER&TI, Lahdoigarh
2. Dr. Reeta Luikham, Scientist-D, RSRS, Imphal
3. Dr. D. Mech, Scientist-D, CMER&TI, Lahdoigarh
4. Dr. Laishram Somen Singh, Scientist-D, RSRS, Imphal
5. Dr. Aftab A. Shabnam, Scientist-D, CMER&TI, Lahdoigarh
6. Dr. Sinam Subharani Devi, Scientist-D, RSRS, Imphal
7. Dr. Arun Kumar K.P., Scientist-D, CMER&TI, Lahdoigarh
8. Dr. Dharmendra Kumar Jigyasu, Scientist-D, EREC Fatehpur (Attending online from Gujarat)
9. Dr. K. Subadas Singh, Scientist-C, RSRS, Imphal
10. Dr. Vijay N., Scientist-C, CMER&TI, Lahdoigarh
11. Dr. Mahesh D.S., Scientist-C, CMER&TI, Lahdoigarh (Attending online from Gujarat)
12. Dr. Manjunath R.N., Scientist-C(R&S), CMER&TI, Lahdoigarh
13. Dr. Om Prakash Patidar, Scientist-C, CMER&TI, Lahdoigarh
14. Sh. Roshan Lal Meena, Scientist-B (R&S), CMER&TI, Lahdoigarh
15. Dr. Kaiho Kaisa, Scientist-B, CMER&TI, Lahdoigarh
16. Ms. Brunda B N, Scientist-B, CMER&TI, Lahdoigarh
17. Dr. Chandrakumara, Scientist-B, CMER&TI, Lahdoigarh
18. Dr. Harisha R, Scientist-B, CMER&TI, Lahdoigarh
19. Sh. Sinto Antoo, Scientist-B, CMER&TI, Lahdoigarh
20. Sh. Pulak Rabha, Scientist-B, REC Lakhimpur

Technical staff/Research Fellows

21. Sh. Akib Hussain, JRF
22. Sh. Suraj K Shah, JRF
23. Ms. Akshita Choudhury, JRF
24. Ms. Rubi Sut, PA
25. Ms. Raisa Begum, PA
26. Shri Saif Afridi Hussain, PA
27. Shri Porag Das, PA
28. Shri Mohmudur Rohman, PA