MINUTES OF 69th RESEARCH COUNCIL MEETING OF CMER&TI, LAHDOIGARH HELD ON 9th January 2024

The 69th RC meeting was held on 9th January 2024 under the Chairmanship of Dr. K M Vijaya Kumari, Director of CMER&TI Lahdoigarh in hybrid mode. The list of 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 last (68th) RC meeting of CMERTI, Lahdoigarh was held on 5th October 2023 and the corresponding minutes were circulated among all the Members. Since no comments received from any of the members, the minutes of the meeting were confirmed.

AGENDA NO. 2: FOLLOW UP ACTION ON THE RECOMMENDATION/ DECISIONS OF THE LAST RC MEETING

The project wise action taken on the decisions/recommendations of the last meeting was presented by the respective scientists while presenting the progress of their projects.

| # | | DETAILS |
|---------------------------------|------------------|---|
| 1. | Project title: | Breeding for development of genetically improved Som (Persea bombycina) genotype |
| Α | Investigators | Dr. Harisha R, PI; Dr. Om Prakash Patidar, CI; |
| В | Project period: | 5years (tentative) |
| С | Objectives: | Collection and characterization of som germplasms (both new and existing germplasm) Development of improved som genotype for higher leaf yield |
| D | Methodology | Identification of superior parents through characterization Selection of desirable parents for hybridization programs Making F₁ Multiplications of superior F₁ through leaf bud cuttings |
| E | Expected outcome | Gene pool enrichment of som host plant for future breeding programs Passport data (NDUS-traits) of all the som germplasm (both new and existing) will be generated Improved som genotype for leaf yield |
| 69 th RC Suggestions | | 1. A comprehensive breeding plan maybe proposed, encompassing additional objectives such as improvement in leaf yield, disease resilience, drought resistance and climate adaptability. 2. Consequently, the project should be amended to incorporate detailed objectives and methodologies, aligning with the proposed breeding plan. |
| | | 3. Present the revised concept in next RC. |
| 2. | Project title: | Characterization of stem borer complex in Som (<i>Persea bombycina</i>) and validation of their mitigation strategies |
| Α | Investigators | Dr. K Chandrakumara, PI; Dr. Harisha R, CI; Sh. Pulak Rabha, CI; |
| В | Project period: | 6 months (tentative) |

AGENDA NO. 3: NEW CONCEPT NOTES FOR APPROVAL

| 0 | | |
|----|------------------------------|---|
| С | Objectives: | 1. Collection, Identification and molecular characterization of various |
| | | stem borers in Som plants |
| n | Madhadalaan | 2. Validation of most feasible tactics for managing stem borers |
| D | Methodology | • Identification of different stem borer species infesting Som plants. |
| | | • Selection and imposition of different treatments |
| | | • Evaluating the effectiveness and safety of different treatments imposed |
| - | | Validation of most effective control tactics. |
| E | Expected outcome | • Knowledge on the taxonomic details of stem borer complex |
| | | • Information on the extent of severity |
| | | • Expect the most effective and feasible management strategy |
| 69 | th RC Suggestions | 1. Incorporate investigations into the seasonal prevalence, life cycle, and patterns of damage pertaining to stem borer. |
| | | 2. Further, conduct a comprehensive survey to acquire additional data, expanding the scope to also include red ants, uzi, termites, etc. |
| | | 3. Propose the expansion into a full-fledged project with a primary emphasis on formulating an integrated approach for their management. |
| | | 4. Present the revised concept in next RC. |
| | | |
| | Project title: | Genome-Wide Association Study of Pupal Hibernation Traits in Wild Muga Silkworm (Antheraea assamensis) Populations |
| | Investigators | Dr. Kaiho Kaisa, PI; Dr. Jigyasha, CI; Dr. Arun Kumar K.P, CI; |
| | Project period: | 6 months (tentative) |
| | Objectives: | 1. To identify genes linked to pupal hibernation in wild Muga silkworm |
| D | Methodology | • Identification of significant genomic loci associated with hibernation |
| | | trait. |
| | | • Searching for the genes around the vicinity of significant loci |
| | | • Annotate the identified genomic regions using functional databases. |
| F | | Validation of identified genes. |
| E | Expected outcome | • Identification and subsequent harnessing of the hibernation trait for commercial rearing might significantly help in improving the seed availability in Muga ecosystem as hibernation will aid in skipping rearing during unfavorable months. |
| 69 | th RC Suggestions | 1. The proposed quantum of study can be taken as one objective. The concept to be proposed as full-scale project and initial 6 months can be dedicated to generate the necessary data. |
| | | 2. Take the leads from the earlier completed Muga breeding and Muga genome projects and propose the full project with marker assisted breeding approach. |
| | | 3. Present the revised concept in next RC. |
| | | |
| 4. | Project title: | Assessment of carbon sequestration potential and nitrogen-use |
| Α | Investigators | efficiency of Som (<i>Persea bombycina</i> Kost) Sh. Sinto Antoo, PI; Dr. Harisha R, CI; Dr. K Jigyasu, CI; |
| | Project period: | 3 years (tentative) |
| | Objectives: | 1. Assessment of carbon sequestration potential of Som germplasm |
| C | objectives. | accessions |
| | | 2. Estimation of NUE for revision of recommended fertilizer doses and |
| | | minimizing the subsequent losses. |
| D | Methodology | • Measurement of height, diameter at breast heigh (DBH) and |
| ~ | r i cui ou o logy | <u>automont of norght, utamotor at ofeast norght (DDII) allu</u> |

| | | 3. BTC region maybe also be included under the project. |
|-----------------|------------------|---|
| | | 2. Systematically identify and scrutinize region-wise ITKs within all the designated states and subsequently conduct their scientific comparison and validation with CSB-recommended/existing technologies. |
| | . | other relevant bodies or committees that have previously undertaken comparable value chain analyses, for effective planning. |
| 69 ^t | h RC Suggestions | economic empowerment of local communities. 1. Explore engagement with organizations such as Giz, Nesfac, and |
| | | Scientific validation of ITKs for adoption in another region.Comparative evaluation of ITKs and modern practices can be utilized for |
| Е | Expected outcome | Documentation and revival of traditional knowledge. Scientific validation of ITVs for adoption in another region |
| | | Exploring Improvement Opportunities |
| | | Identification of New ITKs & its validation |
| | | • Coordination with Department of Sericulture and Community Interaction for Knowledge Collection |
| D | Methodology | Identifying Existing Practices |
| | | selected effective ITKs with modern practices and comparative evaluation. |
| | | 3. Identification of the scope for improvisation and integration of |
| | | 2. Scientific validation of selected ITKs associated with Eri Post Cocoon technology. |
| | | Nagaland Region. |
| С | Objectives: | 1. Identification of the ITKs involved in Eri PCT in Assam, Meghalaya, |
| - | Project period: | 02 years |
| A | Investigators | Roshan Lal Meena, PI; Manjunath R. N, CI; Vijay N, Nishant Singhal, RSTRS Guwahati, CI; |
| | Project title: | Validation of ITKs in Eri PCT and Exploring Opportunities for Enhancement. |
| _ | | |
| | | 3. Present the revised concept in next RC. |
| | | 2. Consult with CTRTI Ranchi to investigate any analogous studies they have previously undertaken on similar lines for Tasar plantation. |
| | | accordingly. |
| 09 | KC Suggestions | Muga silkworms, and subsequently detail the objectives and methodologies |
| 60 ^t | h RC Suggestions | improvement 1. Explore the inclusion of additional host plants, encompassing both Eri and |
| | | and thus reduce carbon footprint. Understanding of NUE of Som plants can help in future breeding programs for crop/host plant |
| Е | Expected outcome | • Som is expected to have a higher potential for carbon sequestration |
| | | Estimation of NUE |
| | | • Leaf photosynthetic pigment content (Hiscox and Israelstam, 1979; Arnon, 1949) and protein content |
| | | Fletcher, 1980) |
| | | Glutamate synthase, and Glutamate dehydrogenase (Mohanty and |
| | | (Kjeldahl, 1883)Estimation of N assimilation enzymes like Glutamine synthetase, |
| | | • Estimation of N content in plants and soil by Kjeldahl method (Kieldahl 1883) |
| | | • Yield parameters (above and below ground biomass) |
| | | estimation of carbon storage using allometric equations |

| | | 4. Accordingly submit the revised concept note within 15 days on eSubmis Portal under intimation to silkworm division head and PMCE. |
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| 6. | Project title: | PCR based detection of pathogens of muga silkworm |
| | Investigators | Brunda B N, PI; |
| B | Project period: | 6 months |
| С | Objectives: | 1. To develop a multiplex polymerase chain reaction (PCR) assay capable of simultaneously detecting and differentiating Pebrine, Muscardine, Bacterial Flacherie, Viral Flacherie, and Grasserie in silkworms |
| D | Methodology | Optimization of multiplex PCR assay parameters Validation of Multiplex PCR sensitivity & specificity Field validation and application |
| E Expected outcome Expected to contribute to the improvement of silkworm health r by providing a powerful diagnostic tool for the simultaneous of multiple pathogens. Early and accurate identification of diseases in Eri silkworms | | Expected to contribute to the improvement of silkworm health management by providing a powerful diagnostic tool for the simultaneous detection of multiple pathogens. Early and accurate identification of diseases in Eri silkworms, ultimately aiding in the development of effective disease control and management |
| 69 | th RC Suggestions | along in the development of effective disease control and management strategies in sericulture. 1. The current concept primarily emphasizes identification; however, a more substantial focus on proposing control measures and management is |
| | | concentrated emphasis on implementing control measures and its management maybe proposed. 3. Present the revised concept in next RC. |
| 7. | Project title: | Exploring the Genetic Landscape: Comparative Analysis of Wild |
| | · | and Cultivated Muga Silkworms |
| A | Investigators | and Cultivated Muga SilkwormsDr. Jigyasha, PI; Dr. Kaiho Kaisa, CI; Dr. Arun Kumar K.P, CI; |
| A B | Investigators Project period: | and Cultivated Muga SilkwormsDr. Jigyasha, PI; Dr. Kaiho Kaisa, CI; Dr. Arun Kumar K.P, CI;6 months (tentative) |
| A B | Investigators | and Cultivated Muga SilkwormsDr. Jigyasha, PI; Dr. Kaiho Kaisa, CI; Dr. Arun Kumar K.P, CI;6 months (tentative)1. To identify & annotate key genetic markers linked with heterozygous loci in wild & cultivated population |
| A B C | Investigators Project period: | and Cultivated Muga SilkwormsDr. Jigyasha, PI; Dr. Kaiho Kaisa, CI; Dr. Arun Kumar K.P, CI;6 months (tentative)1. To identify & annotate key genetic markers linked with heterozygous loci in wild & cultivated population2. To explore the genetic diversity between wild & cultivated population• The identification of heterozygous loci will be carried out using GBS data from 19 samples representing both cultivated and wild populations of the muga silkworm.• Gene Annotation of the regions associated with heterozygous loci in |
| A B C | Investigators Project period: Objectives: | and Cultivated Muga Silkworms Dr. Jigyasha, PI; Dr. Kaiho Kaisa, CI; Dr. Arun Kumar K.P, CI; 6 months (tentative) 1. To identify & annotate key genetic markers linked with heterozygous loci in wild & cultivated population 2. To explore the genetic diversity between wild & cultivated population The identification of heterozygous loci will be carried out using GBS data from 19 samples representing both cultivated and wild populations of the muga silkworm. Gene Annotation of the regions associated with heterozygous loci in both wild as well as cultivated population using functional databases. Pathway analysis for the genes will be identified on heterozygous loci in both wild as well as cultivated population Genetic Diversity analysis will be performed on both cultivated as well as wild muga silkworm by using Phylogenetic analysis, Cluster |
| A B C D | Investigators Project period: Objectives: | and Cultivated Muga Silkworms Dr. Jigyasha, PI; Dr. Kaiho Kaisa, CI; Dr. Arun Kumar K.P, CI; 6 months (tentative) 1. To identify & annotate key genetic markers linked with heterozygous loci in wild & cultivated population 2. To explore the genetic diversity between wild & cultivated population The identification of heterozygous loci will be carried out using GBS data from 19 samples representing both cultivated and wild populations of the muga silkworm. Gene Annotation of the regions associated with heterozygous loci in both wild as well as cultivated population using functional databases. Pathway analysis for the genes will be identified on heterozygous loci in both wild as well as cultivated population Genetic Diversity analysis will be performed on both cultivated as |

| 2 | . Present the | revised | concept in next RC. | |
|---|---------------|---------|---------------------|--|
|---|---------------|---------|---------------------|--|

AGENDA NO. 4: CONCLUDED PROJECTS

| # | | DETAILS | | |
|-----------------|--|---|--|--|
| 1. | Project code and title: | | | |
| | | management of pebrine disease in Muga silkworm, Antheraea asamensis | | |
| | Helfer | | | |
| | Investigators | Arun Kumar K.P (PI) | | |
| B | Project period: | Jan 2021 – Dec 2023 | | |
| С | Objectives: | • Effect of different chemical disinfectants and antifungal substances on survivability and infectivity of microsporidian spores | | |
| | | Efficacy analysis and field application of chemical disinfectants suitable for management of pebrine disease. | | |
| D | Progress achieved: | • Nosema is able to affect closely related organisms proving its simultaneous evolution along with the host organism. | | |
| | | • Complete genome sequences of Nosema sp. infecting eri and muga has been deciphered. silkworm. | | |
| | | • NaOCl and Nirmool were finally selected to be good candidates for egg disinfection to reduce pebrine incidence. | | |
| | | • If field application has to be suggested, then Nirmool is a good disinfectant. | | |
| | Utility of Outcome/ future course of • NaOC1 and Nirmool can be used for egg disinfection to reduce pebrin spread. | | | |
| | action | • Complete genome sequence of Nosema from eri and muga can be utilized in identifying pathogenicity islands and virulence factors. | | |
| 69 ¹ | th RC Suggestions | 1. Continue the ongoing investigations into virulent and non-virulent studies as a routine activity. | | |
| | | 2. The outcome of the project (Use of NaOCl and Nirmool) to be included in the OST programme of action plan (2024-25). | | |
| | | 3. Submit the final concluding report in Part-10 format for onward submission to CO, CSB and upload the same in the e-submis portal. | | |
| | | | | |

AGENDA NO. 5: REVIEW OF THE PROGRESS OF ON-GOING PROJECTS

| # | | DETAILS |
|-----------------|--|---|
| 1 | Project code and | AIB-05012-SI: Inter and intra-specific hybridization for |
| • | title: | improvement of eri silkworm, Samia ricini Donovan |
| Α | Investigators | Aftab A. Shabnam (CI till June 2023 & PI from July 2023); Mahesh D. |
| | involved | S (CI from July 2023); Reeta Luikham, (PI till June 2023) |
| B | Project period: | 4 years (March, 2020 – February, 2024) |
| С | Objectives: | To develop improved cross breeds/hybrids of Eri silkworm with higher |
| | | fecundity and silk yield for commercial exploitation. |
| 69 ^t | th RC Suggestions | 1. Continue and complete the project as per the milestones and duration. |
| | 2. Complete the initial evaluation trial of hybrid combinations at 0 Institute farms. | |
| | | 3. Maintain the 02 fecundity lines with recurrent selections in successive generations till the purity is achieved in the selected lines. |
| | | 4. The leftover activities under the project to be continued as regular |

| | | activity and conclude the project by Feb. 2024 without seeking any |
|------------------------|------------------------------|--|
| | | extension. |
| 2 | Project code and | AIB 5013 SI: Impact of elevated CO ₂ and temperature on muga |
| - | title: | silkworm and its primary host plant |
| Α | Investigators | D. K. Jigyasu (PI, w.e.f. 01.08.2022), Amit Kumar (PI up to |
| | involved | 31.07.2022 & Co-PI w.e.f. 01.08.202022); Aftab A Shabnam (CI); |
| D | | G. Subramanyam, (CI up to 26.07.2021) |
| B | Project period: | March 2020 to Feb 2023 |
| С | Objectives: | 1. To assess the influence of elevated CO2 and temperature on growth |
| | | and yield attributes of primary host plant (Som). |
| | | 2. To assess the impact of elevated CO2 and temperature on muga seed |
| | | crop production, cocoon characteristics and fecundity. |
| | | 3. To design strategies for adoption in muga silk worm rearing under the |
| 60 | th RC Suggestions | changing environmental scenario in Assam. |
| 09 | KC Suggestions | 1. Recheck the temperature & humidity recorded inside OTCs and compare with outside OTC conditions. |
| | | |
| | | 2. Sinto Anto, Sc-B may be added as CI in the project for effective |
| | | implementation of the project. |
| _ | | ADD 05010 ML Effect of maximum hast shouts assessed by and in |
| 4. | Project code and | APR-05018-MI: Effect of various host plants separately and in combination on Rearing and grainage performance of Muga |
| | title: | silkworm, Antheraea assamensis Helfer |
| A | Investigators | DK Jigyasu (PI w.e.f. 1 st July, 2022), Kh. Subadas Singh (PI up to 30 th |
| | involved | June, 2022), S. A. S. Rahman (CI), Vikram Kumar (CI), D. Mech (CI, |
| | | w.e.f. Nov., 2022) |
| | Project period: | March 2021 – Feb 2024 |
| С | Objectives: | 1. To study the effect of various host plants separately and in |
| | | combination on rearing performance of muga silkworm. |
| | | 2. To study the effect of various host plants separately and in |
| <u> </u> | th DC Suggestions | combination on grainage performance of muga silkworm. |
| 09 | th RC Suggestions | 1. PI should ensure the timely conclusion of the project. |
| | | 2. The outcome of the project should be highlighting the best feed |
| | | combination in the order of overall performance. |
| 5. | Project code and | APS-05020-MI - Commercial egg production technology for |
| | title: | ericulture |
| Α | Investigators (PI & | Mahesh D S, (PI), Lalith Natarajan, EBSF, Topatoli, (Co-PI), Arun |
| | Co-I's) | Kumar K P, (CI) |
| B | Project period: | February 2022 to January 2024 |
| | Objectives: | a. Standardization and selection of suitable egg laying device for |
| | | commercial loose egg production in eri. |
| | | b. Synchronization of hatching and subsequent rearing. |
| | | c. Popularization of loose egg production in Ericulture. |
| 69 ^t | th RC Suggestions | 1. The PI should ensure timely completion of the project without seeking |
| | | extension. |
| | | 2. The outcome of the project should be test verified through OSTs |
| | | during 2024-25. |
| | | |
| 0. | Project code and | APS-05021-EF: Studies on population diversity and role of host |
| | title: | plant volatile cues for enhancing egg laying in temperate tasar |
| | | (Vanya) silk moths Antheraea proylei. |

| Α | Investigators | S Subharani Devi (PI), Y. Debaraj (CI), K MVijaya Kumari (PI) | |
|------------------------|--------------------|--|--|
| | Project period: | Jan., 2022- Dec. 2024 | |
| | Objectives: | • To survey and establish population diversity of oak tasar silk moths | |
| - | | across NER. | |
| | | • To establish potent food plants (Host) for oak tasar silk moths, A. | |
| | | proylei for egg production. | |
| | | • To isolate and evaluate highly suitable host plant volatiles to | |
| | | activate/increase egg laying in oak tasar silk moth. | |
| | | • To standardize the synthetic oviposition stimulant blends to enhance | |
| | | egg production in oak tasar silk moths and establishing the efficacy of | |
| | | developed technology. | |
| | | • To evaluate the synthetic volatile blend in large scale at oak tasar seed | |
| | | production centers. | |
| 69 ¹ | h RC Suggestions | 1. Increase the number of moths in the upcoming grainage activities. | |
| | 00 | 2. Continue as per the milestones | |
| | | | |
| 7. | Project code and | MOE-05022-MI: Evaluation and popularization of improved | |
| | title: | technologies developed in the field of Muga, Eri and Oak sector for | |
| | | Northeastern India (OST/OFT of CMER&TI) | |
| | Investigators | D K Jigyasu, CMERTI (PI), Sri Suraj Pal, REC-Fatehpur (CI), L Somen | |
| | involved (PI & Co- | Singh, RSRS-Imphal (CI), Sri. B N Choudhury, RSRS-Boko (CI), Sri | |
| | I's) | SAS Rahman, RSRS-Boko (CI), Dr D. Mech, (CI), Aftab A Shabnam, | |
| | | (CI), S. Subharani Devi, RSRS-Imphal (CI), Arun Kumar KP, (CI), | |
| | | Amit Kumar, CMERTI (CI), Kh. Subadas Singh, (CI), Dr Vijay. N, | |
| | | (CI), Mahesh D S, (CI), Manjunath R N, (CI), Mr. Abhishek Singh, | |
| D | | MESSO (CI) | |
| | Project period: | February 2022 to January 2024 | |
| С | Objectives: | • To popularize various technologies in different stages developed by | |
| | | the Institute | |
| | | • To further create awareness for technological intervention among the farmers and beneficiaries | |
| | | | |
| 60 | h RC Suggestions | • To increase the overall cocoon production. 1. Compare the outcome of OST/OFT data with the actual | |
| 07 | RC Suggestions | 1. Compare the outcome of OST/OFT data with the actual outcome/results reported in the respective research projects. | |
| | | 2. Continue the project and achieve yearly targets as fixed in Annual | |
| | | Action Plan (2023-24) | |
| | | | |
| 8. | Project code and | ARP05023CN: Muga and Eri silkworm disease monitoring in north | |
| | title: | eastern states of India | |
| Α | Investigators | Bitupon Das (PI), Lopamudra Guha (Co-PI) and all Scientists of | |
| D | involved | CMER&TI & MESSO units (CIs). | |
| B | Project period: | March 2023 to February 2028 | |
| С | Objectives: | 1. To monitor silkworm diseases during grainage and rearing and its | |
| 601 | h RC Suggestions | management with respective DoS in North Eastern states | |
| 09 | NC Suggestions | 1. Prepare an application similar to SeriDM app prepared at CSR&TI, Mysore Take support from IT section of CMEP&TI and CO | |
| | | Mysore. Take support from IT section of CMER&TI and CO, Banadury for proparing the application | |
| | | Bengaluru for preparing the application. | |
| | | 2. Form a disease incidence calendar based on the outcome generated from the project. | |
| | | <i>3. Ms. Brunda, Sc-B may be included as CI in the project.</i> | |
| | | 5. ms. Brunau, St-B may be included as CI in the project. | |
| | | | |

| 9. | Project Code & Title | AIT05024EF - Advanced-Level Institutional Biotech Hubs at CMERTI-Jorhat Assam (Phase-II) |
|--|-------------------------|--|
| Α | Investigator | Dr. Arun Kumar K P (P.I), Sh. Bitupan Das (C.I), Dr. Mahesh DS (C.I), |
| B | Project period: | 3 Years, February 2023 – February 2026 |
| С | Objectives: | Collection and maintenance of different eco-races and strains of eri silkworms. Genotyping by Sequencing of selected eco-races and strains of eri silkworms. Analysis of SNP data for use in different downstream applications for the improvement of eri silkworm |
| 69 th RC Suggestions 1. Continue the collection of eco-races and maintain at Institute farm | | 1. Continue the collection of eco-races and maintain at Institute farms. |
| | | 2. Continue the project as per the milestones. |

AGENDA NO. 6: TRANSFER OF TECHNOLOGY (TOTs) PROGRAMMES

The progress of ToTs was presented & discussed in the ongoing project MOE05022MI.

AGENDA NO. 7: EXTENSION COMMUNICATION PROGRAMMES

Progress of extension activities was presented by Dr. D. Mech, Scientist-D. It was suggested to complete the left-over target as per annual action plan 2023-24.

AGENDA NO. 10: CAPACITY BUILDING & TRAINING PROGRAMMES

Progress under capacity building and trainings was presented by Sh. Bitopan Das, Scientist-D. It was advised to make necessary efforts to achieve the leftover annual target for the year 2023-24.

Kankoi.

(**Dr. K. M. Vijaya Kumari**) Director & Chairperson-RC

LIST OF PARTICIPANTS IN THE 69th RESEACH COUNCIL MEETING OF CMER&TI, LAHDOIGARH HELD ON 9th JANUARY 2024

- 1. Dr. K. M. Vijaya Kumari; Director, CMER&TI, Lahdoigarh
- 2. Dr. Debraj, Scientist-D, RSRS Imphal, (Attended online)
- 3. Sh. Suraj Pal, Scientist-D, EREC, Fatehpur, Uttar Pradesh (Attended online)
- 4. Dr. Reeta Luikham, Scientist-D, CMER&TI, Lahdoigarh (Attended online)
- 5. Dr. D. Mech, Scientist-D, CMER&TI, Lahdoigarh
- 6. Sh. S A S Rahman, Scientist–D, RSRS, Boko (Attended online)
- 7. Dr. Laishram Somen Singh, Scientist-D, RSRS, Imphal (Attended online)
- 8. Dr. Aftab A. Shabnam, Scientist-D, CMER&TI, Lahdoigarh
- 9. Sh. Bitupan Das, Scientist-D, CMER&TI, Lahdoigarh
- 10. Dr. Sinam Subharani Devi, Scientist-D, RSRS, Imphal (Attended online)
- 11. Sh. Lohit Sonowal, Scientist-C, REC Sile
- 12. Dr. Arun Kumar K.P., Scientist-D, CMER&TI, Lahdoigarh
- 13. Dr. D.K. Jigyasu, Scientist-C, CMER&TI, Lahdoigarh
- 14. Dr. K. Subadas Singh, Scientist-C, RSRS Imphal (Attended online)
- 15. Dr. Vijay N., Scientist-C, CMER&TI, Lahdoigarh
- 16. Dr. Mahesh D.S., Scientist-C, CMER&TI, Lahdoigarh
- 17. Dr. Manjunath R.N., Scientist-C(R&S), CMER&TI, Lahdoigarh
- 18. Dr. Om Prakash Patidar, Scientist-C, CMER&TI, Lahdoigarh
- 19. Sh. Roshan Lal Meena, Scientist-B, CMER&TI, Lahdoigarh
- 20. Dr. Kaiho Kaisa, Scientist-B, CMER&TI, Lahdoigarh
- 21. Ms. Brunda B N, Scientist-B, CMER&TI, Lahdoigarh
- 22. Dr. Chandrakumara, Scientist-B, CMER&TI, Lahdoigarh
- 23. Dr. Jigyasha, Scientist-B, CMER&TI, Lahdoigarh
- 24. Dr. Harisha R, Scientist-B, CMER&TI, Lahdoigarh
- 25. Sh. Sinto Antoo, Scientist-B, CMER&TI, Lahdoigarh
- 26. Sh. Pulak Rabha, Scientist-B, REC Lakhimpur

Technical staff/Research Fellows

- 27. Sh. Simanta Saikia, SFA
- 28. Sh. Kalpajyoti Gogoi, JRF
- 29. Sh. Akib Hussain, JRF
- 30. Sh. Suraj K Shah, JRF
- 31. Ms. Akshita Choudhury, JRF
- 32. Ms. Rubi Sut, JRF
- 33. Ms. Wahengam Sapana Devi, PA
- 34. Ms. Raisa Begum, PA