

MINUTES OF THE 56th RESEARCH COUNCIL (RC) MEETING OF CSB-CSR&TI, PAMPORE HELD 04 DECEMBER, 2025

The 56th Research Council meeting of CSB-CSR&TI, Pampore was held on 04.12.2025 at CSB-CSR&TI Pampore through hybrid mode under the Chairmanship of Dr. Sardar Singh, Director, of the Institute. At the outset, Dr. Irfan Illahi Scientist-D & In-Charge PMCE welcomed the Chairman, RC and all the Scientists of CSB-CSR&TI, Pampore & nested units. Thereafter agenda-wise discussions were taken up. The list of participants attended the meeting is appended in Annexure-I.

AGENDA No. 1: Confirmation of 55th RC meeting minutes held on 27.08.2025.

As no comments were received, the 55th RC meeting minutes were confirmed by the house.

AGENDA No. 2: Follow up action on the decisions of 55th RC meeting minutes held on 27.08.2025.

#	Decision/Suggestion	Follow up Action taken
1.	All PI/CIs were advised to update the project registers with regard to budget utilization & timely purchase of chemicals, approval letter, meetings attended, decision of the meetings and tour programme and project registers may got signed by In-charge of the station/institute and should also be compared with the accounts section.	1. It has been observed that directions given has not been followed to the desired extend. 2. All PIs/Divisional In-charges at Institute will ensure that project registers are updated, events recorded along with other details. Similar action will be ensured at RSRs/RECs for projects, OSTs and OFTs. 3. All such action should be completed and progress reported to PMCE by 20th of December'2025.
2.	A research paper should be published in Indian Silk (journal).	1. Progress achieved is not satisfactory. 2. Scientists are advised to publish work done by them in Indian Silk, IJS, Sericoclogia as well. 3. Being a mandated part, it will be taken in to account during evaluation of annual performances of each scientist. 4. Following recent events conducted by the Institute may be send for publications in India Silk: • Seri-Tourism inauguration at CSB-P4BSF, Manasbal (Dr. Rajesh Kumar). • Hindi Technical Workshop (Dr. Pawan Saini). • Visit of Dr. Valiyev Sayfiddin Tojiddinovich, Director of Sericulture Research Institute, Tashkent, Uzbekistan to CSB-CSR&TI, Pampore (Dr. Pawan Saini and Dr. Aftab A.S.)
3.	All the research should be supported in terms of statistics.	• Suggestion being followed
4.	The budget should be kept for the projects in such a manner that the maximum budget should be utilized during the project work.	• Concern PI/PMCEis ensuring that directions are followed.

#	Decision/Suggestion	Follow up Action taken
5.	The procurement process of scientific equipments, glassware, Chemical, computer, laptops etc. required under different Institute's Projects can be processed with the help of Dr. Pawan Saini, Sc-D and Assistant Director (Com).	- Suggestion being followed. - Dr Pawan Saini Sci-D & AD(Comp) will submit an updated report to Director in this aspect by 20th of December'2025

Agenda No. 3: New Concept notes of research projects:

1. Ergo Dust: An Ergonomic, Energy-Efficient Bed Disinfectant Duster for Sericulture:

- Concept approved as Pilot Study after suitable modifications as discussed.
- Certain attachments, structure may be modified as suggested.
- Mesh size may be worked out in accordance to the quantity of bed disinfectants required per unit area.

(Action: Dr. Shivam Bhardwaj, Scientist-B, CSB-CSR&TI, Pampore)

2. Impact of climate change on sub-tropical and temperate sericulture in North India.

- Concept not approved as it lacks content of biological research & direct relevance to objectivity & metrological information already in public domain.
- A collaborative project (MOE02022MIC) on similar lines is in progress.
- Information based on which concept was formulated may be utilized for another concept on similar lines by the scientist.

(Action: Dr. Jitendra Singh, Scientist-D, CSB-REC Basti)

3. Web enabled - Weather based Decision Support System for forewarning and management of pest and disease in Subtropical and Temperate sericulture in North India

The concept is approved with the following modifications:

- **Project Title:** The title may be revised to: "*Web-enabled Weather-based Decision Support System for Sericulture Practices in North and North-West India.*"
- **Scope of Study:** The study component should be limited to a manageable extent. Accordingly, the duration and cost of the project may be rationalized.
- **Use of Existing Data:** The Scientist is advised to review the earlier completed project on "*Forecasting & Forewarning*" and make effective use of the data generated therein to achieve the desired outcomes. The IPDM modules developed by the Institute for temperate and sub-tropical regions may be appropriately fine-tuned to meet the project objectives.
- **Utilization of Supporting Data:** Supporting datasets generated under the ongoing collaborative project MOE02022MIC: *Vulnerability of Sericulture to Climate Change in India* may also be suitably incorporated.
- **Methodology:** The methodology should be revised and aligned with the project objectives, ensuring consistency with the essence of the revised project title.

(Action: Dr. Jitendra Singh, Scientist-D, CSB-REC Basti)

4. Genetic Rejuvenation and Stabilization of SH6×NB4D2 through Recurrent Backcross Breeding and Directional Selection for Subtropical Northwest India.

- **The concept note is approved as a Pilot Study.**

- The Scientist is advised to consult the silkworm breeder and verify the authentic source of the parentage of the genetic material proposed for the study.
- The parameters identified for improvement must be comparable and substantiated with appropriate data.
- The duration of the study should be confined within the permissible limits of a pilot study.
- The Scientist is advised to submit the Pilot Study in a revised form

(Action: Dr Sakshi Vaishnav, Scientist-B, CSB-RSRS Sahaspur)

5. Documentation, Validation and Integration of Indigenous Technical Knowledge in Subtropical North-Western Mulberry Belt.

- Conceptnote is approved with the following modifications:

- More relevant literature may be reviewed, and previous work in the area should be duly considered.
- The scope of Indigenous Technical Knowledge (ITKs), with special reference to the North Western Himalayas, may be appropriately incorporated.
- The sample size and cluster formation should be determined in a manner that ensures adequate and representative coverage.
- The concept note may be revised and submitted accordingly.

(Action: Dr Sakshi Vaishnav, Scientist-B, CSB-RSRS Sahaspur)

6. Popularization of Autumn Specific Silkworm Hybrid (APS 9 × BBE0198) in North and North-West India.

- Concept not approved as it's a part of OFT.

- Earlier trial data may be studied and if large scale trial is required same may be proposed in next year action plan.

(Action: Dr ArasakumarE, Scientist-B, CSB-RSRS Sahaspur)

7. Establishment of New Mulberry Plantation by reclaiming the saline alkali-soils of Uttar Pradesh.

- Concept approved as Pilot Study.

- Scientist is advised to collect data & set the experiment immediately within this planting season at DOS Farm Ain near Lucknow.
- Mulberry variety(s) developed by CSB Institutes for higher pH may be taken for evaluation under the condition of UP along with local check.
- Revised pilot study may be submitted immediately

(Action: Dr Ram Lakhan Ram, Scientist-D, CSB-REC Basti)

8. Design & Evaluation of different models of Mulberry Gardens for strengthening Sericulture in North India.

- The proposal may be submitted with a detailed programme for conducting demonstrations at CSB-RSRS Gonda, based on the model already developed by CSB R&D Institutes.
- As this is a regular programme at RSRS, it may be forwarded to the Institute for necessary action. Hence, it is not approved as a separate study.

(Action: Dr Ram Lakhan Ram, Scientist-D, CSB-REC Basti)

9. Modified Rack Rearing system for Temperate Mulberry Sericulture.

- Conceptis approved as pilot study subjected to following -
- The rearing stand must be wall-mounted.
- The economics and ease of conducting silkworm rearing using racks, in comparison to tray-based systems and the existing rearing rack designs, should be clearly presented

(Action: Sh. Syam S, Scientist-B, CSB-CSR&TI Pampore)

Agenda No. 4: Review on concluded projects: NIL

Agenda No. 5: Review of progress of ongoing projects:

With Institute as PI:

The progress of ongoing projects (including the projects where institute is CI) were reviewed and the following suggestions were made.

1. AIB03006CI: Indo-Uzbekistan Collaborative Research Project on Improvement of Mulberry and Silkworm Breeding in Temperate Regions of India and Uzbekistan.

- House appreciated the recent visit of Director, SRIS, Taskant, Uzbekistan to CSR&TI, Pampore exchange of silkworm genetic resources.
- Dr. Pawan Saini, Scientist-D will submit a report on the current status of mulberry material imported from SRIS, Tashant, Uzbekistan.
- Dr Aftab Ahamad Shabnam Sci-D may be nominated as CI of the project with immediate effect in place of Dr Santoshkumar Magadum posted at CSB-RSRS Jammu.

(Action: PMCE)

2. PIP03017MIC: Studies on Carbon Sequestration in Mulberry Cultivation Under Different Climatic Conditions.

- Progress of the project is slow and delayed as well.
- The PI was advised to submit the progress *visa vis* milestones of the project.
- Soil samples collected so far must be analyzed and updated report submitted to PMCE within a week.

- PI to coordinate with CIs of the project to ensure timely progress at all levels and submit progress report accordingly.
- Indent for procurement of any items may be placed immediacy.

(Action: Sh S. Syam, Scientist-B CSB-CSR&TI, Pampore)

3. PIN03018MIC - Identification of Zinc and Sulphur solubilizing bacteria: A soil reclamation approach for sustainable sericulture in Kashmir region

- The PI was advised to submit the progress of the project in accordance to the milestones within a week.
- Items required to be procured should be indented immediately.

(Action: Sh S. Syam, Scientist-B, CSB-CSR&TI, Pampore)

4. PIC03014SI: Evolving superior mulberry varieties for temperate region through *in vitro* mutagenesis.

- The PI was advised to revisit the protocols along with Dr Aftab Ahamad Shabnam Scientist-D and also discuss the future course of action with earlier PI Dr. Gulab Khan Sci-D CSB-CSR&TI Mysuru. Initiate the work as per the project milestones.
- An updated progress report and future course of action may be submitted within a week.
- Dr Aftab Ahmad Shabnam Sc-D May be nominated as CI of the project with immediate effect.

(Action: PMCE & Dr. Pawan Saini, Scientist-D, CSB-CSR&TI, Pampore)

5. PIE030016SIC: Primary Yield Trial (PYT) of newly evolved mulberry hybrids under temperate conditions of Kashmir Valley.

- The PI is advised to utilize the project budget effectively for the year. Place an indent for requirements under the project.
- Maintain the newly evolved mulberry hybrids as per recommended package of practices.
- Record frost damage and sprouting data timely.

(Action: Dr. Pawan Saini, Scientist-D, CSB-CSR&TI, Pampore)

6. PIE03009SI: Evaluation of mulberry genotypes for improvement in productivity and quality under sub- tropical conditions of Jammu.

- The progress of the project is found satisfactory and as per milestones.
- The PI was advised to visit the CSB-CSR&TI, Pampore for biochemical analysis of leaf samples and achieve this milestone within a week's time.
- Compile and statistically analyze the data generated under the project and submit the concluding report in RMIS-10 format.

(Action: Dr. Santoshkumar Magadum, Scientist-D, CSB-RSRS, Jammu)

7. PIB03013SI: Development of high yielding quality mulberry (*Morus spp.*) genotypes under sub-tropical conditions of Northern India.

- The progress of the project is found satisfactory and as per milestones.
- The PI is advised to compile the data generated during the autumn and present the statistically analyzed data in the next meeting.
- Maintain the genotypes transferred in the field as per recommended package of practices.

(Action: Dr. Santoshkumar Magadum, Scientist-D, CSB-RSRS, Jammu)

8. PIE03015SIC: Evaluation of drought tolerant mulberry genotypes through preliminary yield trial for rainfed sericulture in Jammu region.

- PI is advised to initiate the process for construction/fabrication of rainout shelter at CSB-RSRS, Miransahib campus immediately.
- The PI is advised to compile the data on leaf yield, its attributing parameters, and leaf quality, and present the statistically analyzed results in the next meeting.
- PI should explore planting of sprout material in a rain drought areas in Jammu region during the winter.

(Action: Dr. Santoshkumar Magadum, Scientist-D, CSB-RSRS, Jammu)

9. MOE03019SNC: Development of Mulberry Sericulture in Ladakh

- The progress of the project is as per milestones.
- PI is advised to make all necessary arrangements for the consultative workshop on sericulture development in Ladakh.
- Make advance preparations for plantation of suitable mulberry saplings in the forthcoming plantation season.

(Action: Sh. Gulzar Ahmad Khan, Scientist-D, CSB-CSRTI, Pampore)

With Institute as CI:

1. MTL01025MI: Life cycle assessment of Mulberry Silk-A National Assessment.

- The CI is advised compile the data generated so far at CSB-CSR&TI, Pampore and present the updated progress in the next meeting.
- He may discuss the project status with the main PI from CSB-CSR&TI, Mysore.

(Action: Dr. Pawan Saini, Scientist-D, CSB-CSR&TI, Pampore)

2. SIB01038MGC: Utilization of Japanese Silkworm genetic resources for the development of productive Bivoltine hybrids.

- The progress of the project is as per milestones.
- As the CI of the project is due to superannuate in April 2026, he is advised to brief Dr. Shivam Bhardwaj, Scientist-B, on the project activities, progress, and future course of action, so that the project can be carried forward to its logical conclusion.

(Action: Sh P. Kumaresan, Scientist-D & Dr Shivam Bhardwaj, Scientist-B, CSB-CSR&TI, Pampore)

3. MOE02022MIC: Vulnerability of Sericulture to Climate Change in India.

- The progress of the project is as per milestones.
- The CI is advised to expedite the development of an education module focused on climate-resilient sericulture practices.

(Action: Dr Shivam Bhardwaj, Scientist-B, CSB-CSR&TI, Pampore)

Agenda No. 6: Extension (ECP) And Other Programmes:

- As reported by Shri Gulzar Ahmad Khan, Scientist-D & Incharge (SEEM), 50% progress has been achieved in ECPs as of 30th November 2025. He is advised to complete the targets of ECP programmes by December 2025.
- To chalk out the programmes under OST/OFT, a two-member committee comprising Dr. Aftab A. Shabnam, Scientist-D, CSB-CSR&TI, Pampore, and Shri Kumaresan P., Scientist-D, CSB-CSR&TI, Pampore, is constituted to review the progress of Nutrigenetic Hybrids, Double Hybrids, Autumn-specific Hybrids, and High-yielding Hybrids, along with their proposed repetitions during 2026.
- Under the agro-based model, CSB-REC Basti and Shri Gulzar Ahmad Khan, Scientist-D, CSB-CSR&TI, Pampore, will identify farmers in the vicinity of CSB-CSR&TI, Pampore, and CSB-REC, Basti for establishing the agro-based model on one acre of land each.
- For the shoot-feeding technology, CSB-REC, Lamberi and CSB-REC, Basti will obtain the approved rates for silkworm rearing racks and identify farmers to whom the shoot-feeding technology will be demonstrated during 2026–27. A proposal for the procurement of silkworm rearing racks, including all relevant details such as authorized supplier and specifications, shall be submitted to this office within one week.

(Action: Sh. Gulzar Ahmad Khan, Training Division, CSB-CSRTI, Pampore & In-charge of nested units)

Agenda No. 7: Training (CBT) and other programmes:

- As reported by Shri Gulzar Ahmad Khan, Scientist-D & Incharge (Training), 50% progress has been achieved in CBT as of 30th November 2025. He is advised to complete the targets of CBT programmes by December 2025.
- The SEEM Division shall ensure that all trainings under SRCs are completed within one month and the establishment of new SRCs at Handwara (J&K), Ghumarwin (H.P.), Basti (U.P.), and Uttarakhand is expedited. In this regard, the communication issued through the SEEM Division to various DoSs may also be forwarded to the respective nested units to follow up and ensure timely establishment of the SRCs.

(Action: Sh. Gulzar Ahmad Khan, Training Division, CSB-CSRTI, Pampore & In-charge of nested units)
AGENDA NO. 8: DISCUSSION ON GENERAL COMMENTS / SUGGESTIONS OF RC

The meeting was ended with a vote of thanks to the Chair.



Chairman,
Research Council

Date: 12.12.2025

LIST OF PARTICIPANTS:

1. Dr. Sardar Singh, Director, CSB-CSR&TI, Pampore.
2. Dr. Irfan Illahi, Scientist-D, CSB-CSR&TI, Pampore.
3. Dr. Aftab Ahmad Shabnam, Scientist-D, CSB-CSR&TI Pampore.
4. Sh. P. Kumaresan, Scientist-D, CSB-CSR&TI, Pampore.
5. Dr. Rajesh Kumar, Scientist-D, CSB-P4, BSF, Manasbal.
6. Dr. Ram Lakhan Ram, Scientist-D, CSB-REC Basti.(On line)
7. Dr. Jitendra Singh, Scientist-D, CSB-REC Basti.(On line)
8. Dr. Santosh K. Magadum, Scientist-D, CSB-RSRS Jammu. (On line)
9. Dr. Pawan Saini, Scientist-D, CSB-CSR&TI Pampore.
10. Sh. Gulzar Ahmad Khan, Scientist-D, CSB-CSR&TI Pampore.
11. Sh. Chattarpal, Scientist-C, CSB-RSRS Sahaspur.(On line)
12. Dr. Shivam, Bhardwaj, Scientist-B, CSB-CSR&TI, Pampore.
13. Dr. Javid ur Rehman, Scientist-B,CSB- RSRS Jammu.(On line)
14. Dr E. Arsakumar Scientist-B, CSB-RSRS Sahaspur.(On line)
15. Dr. Sakshi Vaishnav, Scientist-B, CSB-RSRS Sahaspur.(On line)
16. Dr. Rita Singh, Scientist-B, CSB-REC Ghumarwin.(On line)
17. Sh. Parvez Ahmad, STA, CSB-REC Lamberi.(On line)
18. Sh. Mohd Shafi Mir, STA, CSB-CSR&TI Pampore.
19. Smt. Nida Mushtaq, Field Assistant, CSB-CSR&TI Pampore.