

## CSB - CSRTI, MYSURU

### MINUTES OF 51<sup>st</sup> RESEARCH ADVISORY COMMITTEE MEETING HELD ON 22<sup>nd</sup> & 23<sup>rd</sup> MARCH 2024 AT CSRTI, MYSURU

The 51<sup>st</sup> meeting of Research Advisory Committee of CSRTI-Mysuru was held on 22<sup>nd</sup> and 23<sup>rd</sup> March 2024 at CSRTI, Mysuru to review the progress of on-going projects, concluded projects, new projects, pilot study, TOT, Training and extension activities of the institute and its nested units for the period from September 2023 to February 2024. The meeting was chaired by Prof. Mahadev B. Chetti, Chairman RAC, Vice Chancellor of Sanskriti University, Mathura, Uttar Pradesh and former Vice Chancellor, University of Agricultural Sciences (UASD), Dharwad with the reconstituted committee members. The list of the participants is appended as **Annexure - I**.

Dr. S. Gandhi Doss, Director, CSRTI, Mysuru, welcomed the Chairman and members of the reconstituted committee of RAC. He welcomed all the Heads of Divisions / sections, scientists and JRFs, SRFs, PAs of the main institute and all scientists from RSRs, RECs, SSBS, Conoor and P4, Hassan for the meeting.

The Chairman in his introductory remarks welcomed once again all the members, the scientists of CSRTI, Mysuru to the meeting and requested the members to introduce themselves. He thanked Central Silk Board for nominating him as the Chairman for the reconstituted RAC for the Second Term and congratulated all the members of RAC. Further, he advised the scientists to focus research in farm mechanization to reduce drudgery in sericulture and formulation of projects based on the field problems. He also advised to strengthen the extension mechanism in order to transfer the sericulture technologies to the field.

#### **1. R&D HIGHLIGHTS OF INSTITUTE AND NESTED UNITS DURING REPORTING PERIOD (September 2023 to February 2024).**

Dr. S. Gandhi Doss, Director made a brief presentation of the R&D highlights of the institute and nested units during the reporting period (September 2023 to February 2024). The Chairman and the committee expressed satisfaction over the progress and appreciated all the scientists for bringing out many publications in the journals with high impact factor/ NAAS rating. The Chairman appreciated the training programmes viz., Foundation training for the newly recruited scientists and ITEC Training Programme for overseas trainees during the period under report.

#### **2. CONFIRMATION OF THE MINUTES OF 50<sup>th</sup> RAC MEETING HELD ON 11<sup>th</sup> & 12<sup>th</sup> SEPTEMBER 2023.**

The Research Advisory Committee approved the minutes of the 50<sup>th</sup> RAC meeting as no comments were received from any of the members.

#### **3. REVIEW OF FOLLOW-UP ACTION TAKEN ON DECISIONS OF 50<sup>th</sup> RAC MEETING**

The follow-up actions taken on major decisions of the previous meeting was presented by Dr. S. Balasaraswathi, Scientist-D and Head, PMCE. The committee expressed satisfaction regarding the follow up action taken.

#### 4. REVIEW OF CONCLUDED PROJECTS

##### 1. PIB 3632: Evaluation of superior triploid genotypes for yield and adaptability under varied agro-climatic conditions

**Decision:** M.K. Raghunath, Sci-D presented the results of the concluded project and the committee clarified the methods used for recording of leaf moisture content, moisture retention capacity and chlorophyll content. The Committee advised to submit the concluded report in RMIS 10 format and suggested to evaluate the short-listed triploid genotypes, Tri-8 and Tri-9 in AICEM. The Committee advised to test the short-listed genotypes, Tri-8 and Tri-9 in hilly regions.

(Action: M.K. Raghunath, Sci-D, MBG)

##### 2. MOE 01021 SI: Evaluation and popularization of improved technologies developed in the field of mulberry sector for South India. Component 9: Impact of Drip fertigation in mulberry productivity (OST)

**Decision:** R. Mahesh, Sci-C presented the results of the concluded project and the committee clarified different doses of fertilizers used in the project and the techno economics of the technology. Further, the Committee suggested to include range of leaf yield data and to include the layout of the drip fertigation system in the concluded report.

(Action: R. Mahesh, Sci-C, Agronomy)

##### 3. AIC01023SI Development of Spectroscopic Tests for Insecticide Resistant Biomarkers in silkworm, *Bombyx mori*

**Decision:** Satish L, Sci-C presented the results of the concluded project and the committee clarified the methodology adopted in paper strip method for detection of pesticides. The committee advised to use the term  $\mu\text{g/ml}$  instead of ppm. Further suggested to take up the follow-up projects including the development of the antidotes for detoxifying the pesticide residue in the soil.

(Action: Satish L, Sci-C SW pathology)

#### 5. NEW PROJECTS FOR APPROVAL

##### 1. SRE 01039 MIC : Mapping of Pesticide Residues in pupae of Mulberry Silkworm, *Bombyx mori*

**Decision:** Y. Thirupathaiah, Sci-C presented the details of new project with referee comments. Since the present project and BPS 01041 SGC have the pupae as a source for human and animal consumption it is necessary to test the pesticide levels in the feed formulations also and hence there is a need to club two projects. It is critically reviewed by the members of the committee and suggested to include the suggestions and present in the next RAC as a single project with clear set of objectives and plan of work.

(Action: Y. Thirupathaiah, Sci-C, SW Physiology)

##### 2. BPS 01041 SGC : Evaluation and validation of nutritive and feeding value of silkworm (*Bombyx mori*) pupa meal in broiler and layer chicken

**Decision:** Y. Thirupathaiah, Sci-C presented the details of new project with referee comments. It is critically reviewed by the members of the committee and suggested to include the suggestions and present as a single project with clear set of objectives and plan of work. The committee opined that the equipment under the project should be purchased by CSRTI, Mysuru.

(Action: Y. Thirupathaiah, Sci-C, SW Physiology)

**3. SIB 01040 SIC : Identification of a new male component for Pure Mysore replacing CSR2 (PMxCSR2) for better crop stability and silk quality**

**Decision:** Shivkumar, Sci-C presented the details of new project with referee's comments. The committee suggested to include the already developed silkworm breeds viz., CSR6 and CSR26 in the experiment. The appropriate statistical methods need to be followed for the data analysis. Further, the committee advised to include the parents of FC1 and FC2 in the project.

(Action: Shivkumar, Sci-C, MBL)

**4. Evaluation of mulberry sericulture based Integrated Farming System in South India**

**Decision:** Satish Kulkarni, Sci-D presented the details of new project with referee's comments. The title, methodology, plan of work and sample size need to be modified. Further, the committee suggested to add mulberry sericulture as a one of the components and its evaluation in the IFS adopted farmers having sericulture as one of the modules.

The committee suggested to revise and resubmit the project proposal after incorporating the above suggestions.

(Action: Satish Kulkarni, Sci-D, RSRS Kodathi)

**5. REVIEW OF PROGRESS OF ON-GOING PROJECTS**

**1. PIE 13001 MI: All India Coordinated Experimental Trials for Mulberry (AICEM) - Phase-IV**

**Decision:** Manjappa, Sci - C presented the progress of the project and the committee advised to present the season wise data in the next RAC.

(Action: Manjappa, Sci - C, MBG)

**2. PIE 01022 SI: Evaluation of promising mulberry genotypes for higher leaf yield and resistance to root rot and root knot diseases in Primary Yield Trial**

**Decision:** Manjappa, Sci-C presented the progress of the project and the committee noted the progress and agreed to evaluate genotypes in hot spots with out any additional budget and suggested to complete the work in a stipulated time.

(Action: Manjappa, Sci - C, MBG)

**3. PIE 01036 SI: Final yield evaluation of mulberry genotypes for leaf yield under optimal and sub-optimal input conditions**

**Decision:** Tanmoy Sarkar Sci-C, presented the progress of the project. The committee noted the progress and revised the title as "Final yield evaluation of mulberry genotypes for leaf yield under limited irrigation and fertilizer conditions". The committee revised the objectives as (1) "Evaluation of mulberry genotypes for leaf yield and attributes under varied irrigation (100% and 60%) and fertilizer (100% and 60% recommended dose of fertilizer) conditions" (2) "Evaluation of mulberry genotypes for leaf quality parameters varied irrigation (100% and 60%) and fertilizer (100% and 60% recommended dose of fertilizer) conditions". The committee suggested to keep same type of spacing for both the conditions.

(Action: Tanmoy Sarkar, Sci - C, MBG)

**4. PIP 01037 SI: Identification of promising mulberry genotypes for physiological efficiency and their relationship with yield and quality under sub-optimal conditions.**

**Decision:** Gayathri T, Sci-C presented the progress of the project and the committee noted the progress and suggested to revise the title of project as “Identification of promising mulberry genotypes for physiological efficiency and their relationship with yield and quality under limited irrigation and fertilizer conditions” and objective as “Evaluation of selected genotypes for high yield and quality in mulberry under limited irrigation (60% irrigation) and fertilizer (60% Recommended Dose of Fertilizer) conditions”. Further, the committee advised to include field experiment for evaluating selected genotypes under 100% irrigation and fertilizers as control for comparing the performance of genotypes under limited irrigation and fertilizer conditions and suggested to modify the experimental layout accordingly. Also suggested to represent the check variety AGB8 as CMY01.

(Action: T.Gayathri Sci - C, Mul Physiology)

**5. MTL01025MI-Life Cycle Assessment of Mulberry Silk: A National Assessment**

**Decision:** Amit Kumar, Sci - D, presented the progress of the project. The committee noted the progress and advised to conduct expert committee review meeting with the members of the review committee.

(Action: Amit Kumar, Sci - D, SSC)

**6. PPA01034 SI: Development of customized fertilizer for higher mulberry productivity**

**Decision:** R . Mahesh, Sci - C, presented the progress of the project. The committee noted the progress and advised to revise the treatments in methodology. Further Chairman suggested to share the treatment details to him for further ratification with the soil chemistry experts.

(Action: R . Mahesh, Sci - C, Agronomy)

**7. PPA01035SI: Studies on natural farming in mulberry for sustainability**

**Decision:** C.M. Babu, Sci - D, presented the progress of the project and the committee noted the progress.

(Action: C.M. Babu, Sci - D, Agronomy)

**8. ARE01029MI: Recommendations of novel fungicidal and insecticidal applications formulberry**

**Decision:** S. Mahiba Helen, Sci - D, presented the progress and the committee noted the progress of the project.

(Action: S. Mahiba Helen, Sci - D, PML)

**9. PRE 01030 CN : Development of an integrated management package for the broad mite, *Polyphagotarsonemus latus* (Acari: Tarsonemidae), in mulberry**

**Decision:** S. Mahiba Helen, Sci - D, presented the progress and the committee advised to conduct second trial to prove the efficacy of *Hirsutella thompsonii* in controlling the broad mite since it failed to control the mite infestation in the first trial taken up at CSRTI, Mysuru. In this regard, a letter should be sent to PI, ICAR-NBAIR immediately to halt the toxicological study at NBAIR for the time being. Further, the committee advised to take up the toxicological data generation of *H. thompsonii* under the condition that the efficacy of *H. thompsonii* is proved in controlling the mite infestation in mulberry.

(Action:S. Mahiba Helen,Sci-D,PML)

**10. ARP-01033CN: Mulberry Silkworm Disease Monitoring and Management in Southern States of India.**

**Decision:** Mallikarjuna G, Sci-C, presented the progress and the committee noted the progress.

(Action: Mallikarjuna G, Sci-C, SW Pathology)

**11. Development of process for production of Biorefinaries from silkworm rearing waste**

**Decision:** Y. Thirupathaiah, Sci-C, presented the progress and the committee noted the progress of the study and suggested to revise the title of the study as “Bioethanol production from mulberry shoot” and advised to submit the final report on time.

(Action:Y. Thirupathaiah, Sci - C, S.W. Physiology)

**12. AIB01024 MI: Development of productive, auto sexing silkworm breeds/ hybrids of *Bombyx mori* L. in egg stage and separation of male silkworm population by optical sorting method for commercial exploitation**

**Decision:** Kusuma, Sci – C , presented the progress and the committee suggested to file a patent for egg sorting machine and commercialize the technology after evaluation/validation of the same in 2-3 silkworm crops. The committee recommended to extend the project based on the necessity up to December, 2024.

(Action: Kusuma L, Sci - C, BBL)

**13. AIE01026MI: Evaluation of new bivoltine double hybrid, BFC1xBFC10 at farmers level for authorization for commercial exploitation**

**Decision:** K.B. Chandrashekar, Sci - D, presented the progress of the project and the committee noted the progress of the project. Further, the committee suggested to ensure the stability at P1 level.

(Action: K.B. Chandrashekar, Sci - D, BBL)

**14. AIB 01032 SI: Validation of silk regulators - ubiquitin and mannosidase among silkwormbreeds**

**Decision:** Kusuma L, Sci - C, presented the progress of the project and the committee noted the progress.

(Action: Kusuma L, Sci - C, BBL)

**15.PS 01027 CN: Immunomodulatory and Adjuvant effects of Chitosan Nanoparticles Extracted from *Bombyx mori***

**Decision:** Madhusudhan K.N, Sci -D, presented the progress of the project and the committee noted the progress.

(Action: Madhusudhan K.N, Sci -D, BBL)

**16.PS 010028 CN: Value Addition of Cellulose and Chitin Isolated from Sericulture Waste for Advanced Packaging Applications**

**Decision:** Madhusudhan K.N, Sci -D, presented the progress of the project and the

committee noted the progress

(Action: Madhusudhan K.N, Sci -D, BBL)

**17. SIB 01038 MGC: Utilization of Japanese silkworm genetic resources for the development of productive bivoltine hybrids (collaboration with NARO-Japan, CSRTI-Berhampore, Pampore and SBRL-Bengaluru)**

**Decision:** Chandrakanth N. Sci -C, presented the progress of the project and the committee noted the progress. Further, it was suggested to assess the NPV and high temperature and humidity tolerance in the breeding lines.

(Action: Chandrakanth N. Sci -C, BBL)

**18. MOE01031CN Technology Demonstration and Evaluation of Rearing Performance of Bivoltine Mulberry Sericulture in Navasari District (Gujarat)**

**Decision:** Jadhav Ashok Limbaji, Sci - C, presented the progress of the project and the committee critically reviewed that there is no significant progress in the project. The committee also advised the Director, CSRTI, Mysuru to visit the project site with PI, CIs, Nodal Officer of Gujarat state, MD (RSFF) and discuss on the construction of rearing house to achieve the all set milestones under the project with in the project period.

(Action: Jadhav Ashok Limbaji Sci - C, REC Parbhani)

**15. AIB 01009 MI: Evaluation of new bivoltine silkworm double hybrid TT21xTT56 at farmers level for authorization and commercial exploitation**

**Decision:** Madhusudhan K.N, Sci -D, presented the progress of the project and the committee noted the progress and advised to submit the concluded project with in one month of closure of the project period.

(Action: Madhusudhan K.N, Sci -D, BBL)

**ItemNo.7: Progress of RSRSs and SSBS,Conoor**

**RSRS, Salem**

Dhahira Beevi, Sci - D, presented the progress of projects, activities of CBT, ECPs and CPP etc., and the committee noted the progress.

**RSRS, Kodathi**

V. Lakshmanan, Sci - D, presented the progress of projects, activities of CBT, ECPs and CPP and the committee noted the progress.

(Action: V. Lakshman,Sci - D, RSRS Kodathi)

**RSRS, Ananthapur**

K.P. Kiran Kumar, Sci - D, presented the activities of CBT, ECPs and CPP activities and the committee noted the progress.

(Action : Srinath , Sci. - D, RSRS Ananthapur)

**RSRS, Mulugu**

Vinod Kumar Yadav, Sci - C, presented the activities of CBT, ECPs and CPP activities and the committee noted the progress.

(Action : Vinod Kumar Yadav, Sci-C, RSRS, Mulugu)

**P4 Hassan**

Dhayananda, Sci - D presented the activities of the station and the committee noted progress.

(Action: Dayananda, Sci - D, P4 Hassan)

**SSBS Conoor**

V. Vijay, Sci - C, presented the activities of the station and the committee noted progress. The committee advised to speed up the fencing work of the campus.

(Action: V.Vijay, Sci - C, SSBS Conoor)

**RSRS, Chamrajanagara**

L. Satish, Sci - C, presented the activities of the station and problems in running the station specific to man power and the committee suggested RCS to post scientist/staff to take care of the regular activities.

(Action: Satish L, Sci - C, RSRS Chamarajnagar)

**Item No. 8. Extension and other programmes**

R. Bhagya, Sci-D, SEEM presented the progress of Extension Division and the committee noted the progress and advised to present the state wise data on new plantation taken up in future presentation.

(Action: Sci-D and Head, SEEM)

**Item No. 9. Training (Capacity Building and Training) and other programmes**

R. Meenal, Sci-D, presented the progress of Training Division and the committee noted the progress.

(Action: Sci-D and Head, Sci - D, Training Division)

**Item No. 11. Any other points for discussion****Item No.12 Concluding remarks of members****Dr. Senthil Kumaran. G, Principal Scientist, ICAR – IIHR**

- Patenting and design registration for invented equipment need to be done
- In the presentation, scientists are advised to use photographs with high resolution taken by DSLR camera instead of using photos taken by mobile camera.
- Projects need to be proposed on precision farming using sensor based technologies, mechanization and automation in sericulture.

**Dr. Aswath, Sci-D (retired), CSB - CSRTI, Mysuru**

- He suggested that this Institute should have a Scientist specialized in Agricultural Engineering for Sericultural Engineering Division.
- The comments of the member have already been included in the individual silkworm breeding projects.

**Dr. Vijayan. K, Sci-D (retired), CSB**

- He appreciated the outcome of the concluded projects viz., fertigation, enhancement of mulberry leaf and cocoon productivity and pesticide residue detection.
- Project on Integrated farming system in mulberry needs to be initiated at the earliest.
- Realistic budgetary provision should be proposed under the new projects.
- The presentation should have a specific information reflecting the outcome/achievement of the project.
- Projects should be formulated based on the field problems.

- The shortage of scientific and technical staff at RSRS /REC needs to be sorted out at the earliest.

**Dr. Seetharamulu, Director, APSSRDI**

- She opined that silkworm breeds need to be maintained in the Institute.

**Dr. M. Lakshminarayana, Professor, UAS, Bengaluru**

- Projects on social sciences viz., value chain, impacts on TOT, gender specific contribution to sericultural activity.
- He also advised to take up projects on ICT tool, mechanization to reduce drudgery.
- Success stories need to be documented for percolation of technologies among the stakeholders.

**Dr. Shishupala S., Professor, Davangere University**

- He advised to use silkworm as a model insect for screening the effects bio-pesticides.
- The paper strip method for detection of pesticides needs be commercialized.

**Dr. K. Jhansilakshmi, Sci – D, RCS**

- CSB is encouraging the APP based, process and product specific projects and on product diversification projects.
- She informed that one training programme on photography has been proposed under CBT training programme for extension workers.

**Director, CSB – CSR&TI**

- Mid-term corrections suggested by RAC will help in generating data with more accuracy.
- Major building renovation will be taken at the Institute
- He conveyed to the house that an incubation centre will be established and national seminar will be organized during 3<sup>rd</sup> or 4<sup>th</sup> quarter of 2024-25.

**DOS, Telangana**

- Requested for strengthening of CSB unit in Telangana with scientific and technical staff.

**DOS, Karnataka**

- She asked for technologies to combat the pest infestation in mulberry garden and precautionary measures to manage non-spinning of silkworms.

**DOS, Maharashtra**

- He requested to open new RSRS unit in Aurangabad/Baramati.
- He also requested that farmers from Maharashtra may be given training on grainage and post cocoon activities.

**DOS, Tamil Nadu**

- He requested for supply of bio-control agents to control mite/ thrips infestation in mulberry.
- He also requested for technologies for corrective measures for micro-nutrient deficiency, root rot disease in mulberry, precautionary measures for controlling non-spinning of silkworms in Tamil Nadu.



**Prof. Mahadev B. Chetti, Vice Chancellor, Sanskriti University**

- He expressed his satisfaction for proposing establishment of incubation centre and organizing a national level seminar by the institute.
- He expressed his happiness for the presence of Joint Secretary, Agricultural Co-operation Department, Telangana during the meeting.
- He opined that the number of slides should not exceed more than ten, the minimum font size should be twenty four and project outcomes should be reflected in the presentation.
- He opined that projects for analyzing the effects of plant growth regulators on mulberry leaf quality and productivity may be encouraged.
- He opined that institute should have leaf moisture meter for measuring mulberry leaf moisture content and leaf chlorophyll content should be measured based on fresh weight.
- The Institute needs a Scientist specialized in Agricultural Engineering for taking up research in mechanization/ automation in sericulture.
- He suggested to take up projects based on field problems.
- He advised the principal investigators to speed up the process of procurement of the equipments that are proposed under various projects.
- He suggested to publish more number of research papers in International journals with high impact factor.
- He advised Scientists to utilize the budget in effective manner under on-going projects.
- Institute may undertake projects for determination of a benchmark for harvest index (leaf-shoot ratio) of mulberry.

The meeting ended with vote of thanks proposed by Dr. K. B. Chandrashekar, Sci-D.

  
**Chairman**  
**RAC, CSR&TI, MYSURU**

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## Annexure-I

### List of members attended 51<sup>st</sup> meeting of RAC held on 22<sup>nd</sup> & 23<sup>rd</sup> March 2024

#	Name of the member
1	Dr. Mahadev B. Chetti, Vice Chancellor, Sanskriti University, Mathura
2	Dr. S. Gandhi Doss, Director CSRTI Mysuru, Member Convener
3	Dr. R. Asokan, Principal Scientist (Agr. Entomology) ICAR-IIHR, Bengaluru - Member
4	Dr. M.T. Lakshminarayana, Prof., Dept. of Agricultural Extension, GKVK, UAS, Bengaluru - Member
5	Prof. S. Shishupala, Professor, Dept. Of Microbiology, University of Davanagere, - Member
6	Dr. Ashwath, Scientist-D (Rtd.) No. 276, 19th Cross, 21st Main, 2nd Stage, JP Nagar, Mysuru - Member
7	Dr. Vijayan K., Scientist -D (Rtd.), Thiruvananthapuram - Member
8	Dr. Senthil Kumaran G., Principal Scientist- Farm Machinery & Power ICAR-IIHR- Invitee
9	Dr. S. Nivedhitha, Sci-D, Representing Director, CSTR Bengaluru - Member
10	Dr. K. Jhansilakshmi, Sci- D and Head, RCS, CSB, Bengaluru - Member
11	Dr. M. Satya Sharada, IAS, Joint Secretary Agricultural & Co-operation Dept., Telangana -Member
12	Mr. B.M. Khandagale, Sericulture officer, Representing DoS Maharashtra - Member
13	Mr. Abdul Faruk, A.D. Thalvadi, Representing DoS TN- Member
14	Smt. Prathibha, JD (DOS, Mysuru), Representing DoS Karnataka - Member
15	Dr. J. Seetharamulu, Director APSSRDI, Hindupur Representing DoS AP - Member
16	Smt. Latha, J.D, Representing DoS Telangana - Member
17	Shri. M. Madhusudhan, Reelar representative, Shidlagatta, Chikkaballapur - Member

### List of members not attended 51<sup>st</sup> meeting of RAC held on 22<sup>nd</sup> & 23<sup>rd</sup> March 2024

#	Name of the member
1	Dr. R. Ashokan, Fulbright Fellow, Principal Scientist, ICAR-IIHR, Bengaluru- Member
2	Prof. K.T. Parthiban, Professor, Forest College and Research Institute, TNAU, Mettupalayam-Member
3	Sri. Harish C.P., Malluru, Shidlagatta taluk, Chikkaballapur - Member
4	Director, NSSO, Bengaluru - Member
5	Director (Tech.), Central Silk Board, Bengaluru - Member
6	The Chief Executive Officer, SMOI, Bengaluru - Member

### List of participants attended 51<sup>st</sup> meeting of RAC held on 22<sup>nd</sup> & 23<sup>rd</sup> March 2024

#	Name & Designation (In person)		
1	<b>Institute</b>	41	Dr. Divya Singh, Sci-C, CSRTI, Mysore
2	Dr. K.B. Chandrashekar, Sci-D, CSRTI, Mysore	42	Mr. H.M. Munikrishnappa, AD, CSRTI, Mysore
3	Dr. R. Bagya, Sci - D, CSRTI, Mysore	41	Smt. Shubha B.S. UDC
4	Dr. C.M. Babu, Sci,- D, CSRTI, Mysore	42	Mr. K.L.Patnaik, AD (A&A)
5	Dr. Raghunath M.K., Sci-D, CSRTI, Mysore	43	Mr. Y.R. Raghu, Superintendent
6	Dr. K.N. Madhusudhan, Sci -D, CSRTI, Mysore	44	Mr. S.E. Mamagappur, Extension officer, MH
7	Dr. Amit Kumar, Sci - D, CSRTI, Mysuru		<b>RSRSs/RECs</b>
8	Dr. S. Balasaraswathi, Sci-D, CSRTI, Mysore	45	Dr. V. Lakshmanan, Sci - D, RSRS, Kodathi
9	Mr. Chanadrashekar M.N., Sci-D, CSRTI,	46	Dr. N. Dhahira Beevi, Sci - D, RSRS, Salem
10	Dr. M. Muthulakshmi, Sci-D, CSRTI, Mysore	47	Dr. K.P. Kirankumar, Sci - D, RSRS, Ananthapur
11	Dr. R. Meenal, Sci-D, CSRTI, Mysore	48	Dr. Vinod kumar yadav, Sci-C, RSRS, Mulugu
12	Dr. S. Mahiba Helen, Sci-D, CSRTI, Mysore	49	Dr. N. Balachandran Sci - D, RSRS, Kodathi
13	Dr. Kusuma L., Sci-C, CSRTI, Mysore	50	Dr. S. Kulkarni, Sci - D, RSRS, Kodathi
14	Dr. Gayathri T, Sci-C, CSRTI, Mysore	51	Dr. V. Vijay, Sci-C, SSBS, Conoor
15	Dr. Sobhana V, Sci-C, CSRTI, Mysore	52	Dr. A.L. Jadav, Sci-C, REC, Parbhani
16	Dr. Joycy rani D, Sci-C, CSRTI, Mysore	53	Mr. T. Sivasubramanyam, Sci - D, REC, Gobi
17	Dr. Ranjini M.S, Sci-C, CSRTI, Mysore	54	Dr. A.G.K. Danial, Sci - D, REC, Udumalpet
18	Dr. Mahesh R., Sci - C, CSRTI, Mysore	55	Dr. Dayananda, Sci - D, P4BSF Hassan
19	Dr. Tanmoy Sarkar, Sci-C, CSRTI, Mysore	56	Dr. Babulal Saini, Sci - B, P4BSF Hassan
20	Dr. Manjappa, Sci - C, CSRTI, Mysore	57	Dr. A. Umesh,, Sci - C, REC, Koppal
21	Dr. Chandrakanth, Sci - C, Mysuru	58	Dr. J.B. Narendra kumar,, Sci - D, REC, Madiwala

22	Dr. Mallikarjuna G., Sci – C, CSRTI, Mysore	59	Sr. Gadge Ankush Subhash, Sci-B,REC,Aurangabad
23	Dr. Dhaneswer Padhan Sci-C, CSRTI, Mysore	60	Dr. Ramya V.S. Sci-B, RSRS, Anathapur
24	Dr. Satish L, Sci-C, CSRTI, Mysore	61	Mr. P.V. Dinesh kumar, Sci-B, REC, Hoshangabad
25	Dr. Thirupathaiyah Y. Sci-C, CSRTI, Mysore	62	Mr. K. Srinivas, Sci-B, REC, Bidar
26	Dr.Bhuvanewari,E.Sci-C,CSRTI,Mysore	63	Dr.Muthanna,Sci-C,REC, Krishnagiri
27	Dr.Shivakumar,Sci-C,Mysuru	64	Ms.Pushpa Prajapathi, JE
28	Dr.RavindraSci-CCSRTI,Mysore		<b>JRF/PA</b>
29	Dr.ArunakumarG.S.Sci-CCSRTI,Mysore	65	Prarthana.M.S,JRF
30	Dr.Megaladevi P, S.Sci-B, CSRTI,Mysore	66	Harshitha, K.M., PA
31	Dr.Sowmya K, S.Sci-B, CSRTI,Mysore	67	Nisarga N.R, PA
32	Dr.Prashanth M Nair .Sci-B, CSRTI,Mysore	68	Harshitha R, PA
33	Tamilselvi.C, Sci-B, CSRTI, Mysore	69	Jawad Ahamad, PA
34	Purohit Pravinbhai Sci-B, CSRTI, Mysore	70	Chandana R,JRF
35	Revappa M R Sci-B, CSRTI, Mysore	71	Shamanth D.H, PA
36	Kartik kumar M Sci-B, CSRTI, Mysore	72	Krishna Kumar R,PA
37	Meghaladevi P Sci-B, CSRTI, Mysore	73	Bhuvanesh S.PA
38	Latha Preethi A Sci-B, CSRTI, Mysore	74	Balaji V,PA
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