



**CENTRAL SILK BOARD
BENGALURU – 560 068**

**PROCEEDINGS OF THE ANNUAL ACTION PLAN MEETING HELD ON 4TH AND 5TH
FEBRUARY, 2021 AT CSB, BENGALURU.**

The Annual Action Plan meeting of CSB institutes and Seed organizations for the year 2021-22 was convened on 4th & 5th February, 2021 at Central Silk Board, Bengaluru, under the Chairmanship of Dr. Narendar Rebelly, IRS, Director [Finance]. The list of participants is appended at *Annexure-I*. At the outset, Dr. R. K. Mishra, Director [Tech.] welcomed the Chairperson and all the CSB Directors/ In-charge officers to the meeting.

Dr. Narendar Rebelly, IRS in his opening remarks informed that the Annual Action Plan meeting in every Govt. organization is very important to review the progress during the year and also to plan for the coming year in view of the mandates and targets assigned. He emphasized the need for meticulous planning in view of limited resources/ manpower within the strict timelines. He sought support from the institutes for the strategic and institutional readiness besides prioritizing the operational aspects. He hoped that the year 2021-22 would be peaceful and productive unlike the year 2020-21, which was very turbulent due to Covid-19 pandemic related disturbances.

Dr.R.K.Mishra, Director [Tech.]& the Member Convener then took up the meeting as per agenda and sought for brief & crisp presentations with respect to the progress for the year 2020-21 (till December, 2020) and the proposed target for the year 2021-22. He then presented the highlights of research, initiatives of RCS and the observations of RCS on various issues. Further, Dr. K. Sathyanarayana, Scientist-D & Head, RCS, CO, CSB, Bengaluru presented the Action Taken Report on various decisions taken during the previous Annual Action Plan Meeting held on 24th & 25th February, 2020 at Bengaluru. After detailed deliberations, the following major suggestions / recommendations were made during the meeting.

a) General recommendations :

1. It is observed that scientists involved per research project taken up during the last three years were in increasing trend due to less proposals and no or minimal projects handled at RSRs/ RSTRs. To bring in more accountability, percent involvement of scientists in various areas viz., research, ToT, extension, training, seed production including coordination works need to be compiled and submitted to CO.

Action: All CSB R & D institutes and Seed Organizations

2. Due to Covid-19 related disruptions, to continue OSTs/ OFTs proposed during 2020-21 during the year 2021-21 also, with proper justifications. It was also decided to involve seed

organizations in OFTs wherever possible for better feedback and quick translation of the outcome.

Action: All CSB R & D institutes and Seed Organizations

3. Transfer of Technology programmes (OST & OFT) for the year 2021-22 to be proposed in project mode for which the proposals need to be submitted in the prescribed formats covering name of the technology, no. of test sites, no. of farmers, no. of trials/ crop / year and budget requirement (total & unit cost) for further approval by the Competent Authority. While technologies under different areas may be taken up under relevant groups as sub-projects, depending on the technology to be transferred period may also be proposed.

Action: All CSB R& D institutes

4. The AICEM (Phase-IV) programme to be coded as multi-institutional research project.

Action: CSR&TI, Mysuru, Berhampore and Pampore &RCS, CO, CSB, Bengaluru

5. For effective booking of expenditure and optimum utilization of the allocated budget, it is reiterated that henceforth, concerned Principle Investigator (PI) will maintain a separate Project register with data entries, all the budget details to facilitate internal management of expenditure. The detailed guidelines circulated vide letter No.CSB/31/2 (APLAN)/ 2012-13/ RCS dtd 19.03.2012 for requisite advance of Rs. 15000/- on monthly basis may be followed for timely procurement of consumables and other expenditure following GFR/ CVC guidelines (***Annexure-II***).

Action: All CSB R & D institutes/ Seed organizations

6. PMECs and the Divisions at institutes' level to be strengthened for which Directors/ In-charge officers to review the present mechanism in vogue and suitable measures be initiated immediately for better performance.

Action: All CSB R & D institutes/ Seed organizations

7. Besides being informative, all the CSB Institutes/ organizations' websites to be updated periodically besides following uniform pattern to ensure smooth surfing experience for the visitors of the websites. Computer Section at CSB headquarters to circulate template, which may be further improved upon. Wherever the websites are not operational/ functional, suitable measures to be initiated immediately to make them functional.

Action: All CSB R & D institutes/ Seed organizations & Computer Section, CO, CSB

8. CTR&TI, Ranchi may take up research projects with the nested RSRSs in consultation with the local DoSs on package of practices for host plant management including soil/ water conservation practices, field disinfection, prophylactic measures etc, so as to utilize watershed and forest lands for tree- based cultivation, besides developing models to suit agro-forestry convergence.

Action: All CSB R & D institutes

9. RSRs/RSTRs to ensure taking up of ToTs in project mode besides projects to address regional requirements. CSTRI to ensure initiation of one project each at all the RSTRs and to include in the Annual Action Plan for 2021-22.

Action: All CSB R & D institutes

10. Water requirement for production of 1 kg silk fabrics *vis-à-vis* other natural fibres *viz.*, cotton, jute etc., to be worked out.

Action: CSTRI, Bengaluru

11. For effective and timely popularization of the developed technologies, the social media *viz.*, Facebook and twitter may be utilized for which a Nodal officer may be nominated at each institute.

Action: All CSB R & D institutes/ Seed Organizations

12. All the 23 established SRCs to be maintained/ tracked / kept active/ working at least for 5 years from the date of their establishment and subsequently they may be handed over to local DoSs for further monitoring. Data to be collected on the performance/ impact of the SRCs periodically, for which CSRTI, Berhampore will provide the template to all the Institutes developed by it, under intimation to CO. All concerned institutes may also take up an impact study of the SRCs. The non-functional SRCs to be relocated/ shifted to the needy places in consultation with local DoSs, under intimation to the CO. Requirement of new SRCs, if any, to be proposed for which CBT section will initiate appropriate action. Success stories on Sericulture Resources Centers (SRCs) to be published in Indian Silk.

Action: All CSB R & D institutes & CBT, CO, CSB

b) Institute Specific Recommendations:

i) CSRTI, Mysuru:

1. Research projects on fabrication/development/redesigning/up-gradation of specific machineries covering all aspects to be taken up for mechanization in the fields of host plant cultivation, silkworm rearing, seed production, etc., in collaboration with reputed Engineering Colleges/ IITs / Agriculture Universities. Some of them include shoot harvester cum binder, escalator type of arrangements for shoot racks for ease in feeding and bed cleaning, collapsible shoot rearing racks, automation of disinfection and cleaning activity, electric dusters for application of bed disinfectants, improvising the existing scale suction mechanisms for grainages, drones for spraying/ dusting, insect/ pest control, etc.
2. The outcome of the Indo-Bulgarian Collaborative Research Project for Improvement of Silkworm Breeding in India and Bulgaria (AIB 3537) to be taken up for further field trials across India in project mode.
3. As the targets under the OST on validation of the M-LAMP technology in both mulberry and Vanya sectors were not fulfilled during the year 2020-21, the same may be continued during 2021-2022. Scientists from CSRTI, Mysuru may prepare process document for the

technology, visit the R&D Institutes and the seed organizations in both mulberry and vanya sector during the grainage operations and demonstrate/validate the technology. Such tested lots/samples may also be cross verified with the microscopic examination to establish the efficacy of the M-LAMP technology.

4. With regard to the OFT on Evaluation of NPV tolerant hybrids CSR52NxCSR26N & (CSR52NxS8N) x (CSR16NxCSR26N), the prevalence of NPV during the trials to be recorded. Only the final recommendations of the concluded project AIB 3509 to be taken to the field.
5. As per the recommendations of the HAC, the authorized hybrid G11xG19 be popularized in the field, for which the required seed be multiplied/ prepared by the institute / NSSO and distributed through the nested RECs. The detailed action plan to be submitted latest by 15.3.2021.
6. Chawki feed supplement to be tested amongst the CRCs in large scale for which only the bed disinfectants be given as input support, besides the Chawki Feed Supplement.
7. While discussing the commercialization of the Alpha Linoleic Acid (ALA), it was observed that M/s Widsom Life Sciences & M/s Vester Life Sciences, Hyderabad were consulted for commercialization. However, it was informed in the meeting that the ALA was commercialized through Ms. Altron Biotech, Hyderabad @ the cost of Rs.1.0 Lakhs, which is very low. Institute was advised to submit the basis of arriving at the lumpsum fee and its commercialization. The technology transfer process may be stopped immediately with a detailed report submitted to CO latest by 15.03.2021 for further necessary action.
8. Submit the details/data on improved PM4 line or otherwise the trials be continued during 2021-22.
9. To take up a research project towards reducing the production cost covering all aspects involving scientists in SEEM division.

ii) CSRTI, Berhampore:

1. Leaf yield evaluation to be done with respect to BC259 and to supply the leaf samples to TTRI for use in the ongoing collaborative research project on BPP 05014CN: Standardization of processing and production of a consumable beverage from Mulberry Leaves and Blending with Green Tea .
2. Breeding stock of new silkworm hybrid M6DPC x SL7 to be taken care by the progenitors to meet the sudden demands.
3. CSR&TI, Berhampore and CSTRI, Bengaluru together to look into the high temperature high humidity reeling requirements of Tripura, which is pending for quite some time.
4. Pilot scale production of Sodium chlorophyllin in project mode to be taken up.

iii) CSRTI, Pampore:

1. To initiate immediate action to fix the responsibility on the concerned for the shortcomings under the concluded project AIB 3607, as advised vide CO letter No.CSB-31/2 (PAM-PRO-FNL)/2018-19/RCS dtd.23.11.2020 and report to CO latest by 15.3.2021.
2. To complete the printing of Hand Book on Sericulture for North and North West India before March, 2021.
3. To collect the multi-viral resistant Pam117 with more cocoon and shell weight from CSR&TI, Mysuru, for further maintenance and use in the future breeding programmes.
4. The proposed OFT on application of triazole compounds (Paclobutrazol) for induction of water stress tolerance in mulberry under rainfed condition, as part of the outcome of the concluded project PIP 3543, to be relooked into.
5. To include all the hybrids shortlisted under the recently concluded projects and to initiate the trials with 2 or 3 hybrids so as to ascertain the introduction of disease resistant breeds for the 3rd crop.

iv) CTRTI, Ranchi:

1. Publication of Handbook on Tasar Sericulture to be expedited.
2. Adopt and validate the conveyor type mother moth examination equipment.
3. Demonstrate the use of PVS for pebrine detection in Mulberry, Muga and Eri during 2021-22. Development of the associated equipment may be speeded up.

v) CMERTI, Lahdoigarh:

1. Publication of Handbook on Sericulture (Muga & Eri) to be completed by June, 2021.
2. To look into the requirement of Oak tasar silkworm seed in North East through RSRS Imphal.
3. Research on Host plant in Oak Tasar can be deferred and research on Silkworm can be prioritized. Works of conservation & sustainable utilization of *A. frithii* may be prioritized.
4. The availability of Eri and Muga seed in summer is problematic besides the outbreak of bacterial and fungal diseases for which CMERTI to chalk out a plan of action with MSSO with technology dissemination.
5. Integration of silkworm seed and cocoon preservation technologies to be taken up in pilot project mode/OST module, for which SSTL and MSSO to be involved in the study.
6. The OFT and OST proposals to be relooked into and consolidated. A ToT project may be taken up for summer crop management in Muga.
7. Thrust areas should include field problems and accordingly, CMERTI and MSSO may together chalk out the priority areas and propose the revised Action Plan accordingly.
8. Seedlings of perennial host plants of Eri to be provided immediately to SSTL, Kodathi and ESSPC Hosur for raising and maintenance at their end.

vi) CSGRC, Hosur:

1. To complete the printing of compendium on cataloguing of new accessions and the SOPs for maintenance within 30th June, 2021.
2. The status of the cryo-preserved mulberry accessions at NBPGR to be ascertained.
3. As far as possible, the data on the morphological characteristics of the mulberry accessions to be recorded by the subject specialist available with the station.
4. Cytological / ploidy status of the mulberry to be confirmed for all the accessions.
5. NBPGR to be roped in for all the future explorations for collection of the germplasm material for which the tour programme to be shared well in advance.
6. Work allocation of the Scientists to be relooked into and ensure the deployment of the scientists in accordance with their specialization. All the Scientists working at CSGRC to have research projects as PI. Accordingly suitable proposals/concepts to be submitted before March, 2021.

vii) CSTRI, Bengaluru:

1. Ensure taking up of research projects by all the Scientists working at the main institute and nested RSTRSs.
2. PIs of the concerned research projects to go through the findings of the concluded projects from 2018-19 to 2020-21 and ensure the developed technologies reach the stakeholders/ industry through OFT/OST.
3. Commercialization of Sericin to be taken up besides exploring the commercialization of the project outcome during previous 3-4 years.
4. Collection of web based data on functioning of ARMs in India to be continued and train the Zonal Officers of CSTRI during the year 2021-22 in this regard. A detailed plan of action to be submitted to CO before 15.03. 2021.

viii) SBRL, Kodathi:

1. House expressed dissatisfaction over the poor execution of the DBT sponsored research project on Validation of the DNA markers in silkworm breed developed by introgression of DNA markers associated with NPV resistance using Marker Assisted Selection Breeding and large scale field trial thereof under ARP 3605. Further, to popularize and to test verify the efficacy of the developed MASN breeds, OFT to be taken up in project mode to test rear the shortlisted breeds in the field in mass scale with uniform data collection formats with regular coordination from SBRL.
2. The egg disinfection technology in Oak Tasar sector as OFT should be taken up in N-E and N-W regions in coordination with CMERTI Lahdoigarh & CTRTI, Ranchi. SBRL may share the detailed process document, dos' and don'ts of the technology with data collection format.

ix) SSTL, Kodathi:

1. The OST on test verification of synthetic oviposition stimulant blend developed for bivoltine hybrids to be completed by March, 2021 and the same should be taken to the field with RSPs as OFT during 2021-22.
2. All the scientists working at SSTL to have projects as PIs for which proposals/concepts cleared by the RC to be submitted within Mar., 2021.
3. The outcome of the project AIT 3612 - Development of seed preservation technology for muga silkworm, *Antheraea assamensis* (Helfer) to be taken up as OST at CMERTI. The details of the developed technology with proposed integration to be provided to CMERTI Lahdoigarh.
4. Test verification of tropical tasar silkworm egg preservation technology covering both bivoltine and tri-voltine breeds to be taken up in co-ordination with CTRTI Ranchi and BTSSO Bilaspur.
5. Take up a programme for cold storage of tasar silkworm eggs at BTSSO Bilaspur including black boxing of eggs.

x) NSSO, Bengaluru:

1. Cold Storage facilities to be extended to new RSPs for at least two years and to explore covering the RSP (Registered Seed Producers) under Silk Samagra for the purpose.
2. Explore the possibilities of outsourcing the services of SO/ SA in the field
3. To include the indenting of the Vanya seed in the proposed indenting software being developed and share with BTSSO / M&ESSO.

xi) BTSSO, Bilaspur:

1. BSPUs to be included in the Seed Action Plan and also in the targets/ achievements of BTSSO on the lines of private graineurs.

xii) MSSO, Guwahati:

1. The nomenclature of the M&ESSO (Muga & Eri Silkworm Seed Organization) was approved clubbing the ESSO and MSSO together.
2. MSSO, Guwahati to share the software programme developed for monitoring the DCB arrears with NSSO & BTSSO by 31.03. 2021.
3. Centre/ Unit-wise seed production for the last 10 years to be worked out and unit-wise data to be analyzed to ascertain the stagnation and growth pattern. This was must to facilitate increasing the targets of production to meet the requirement.
4. MSSO may utilize the block plantations under NERTPS and farmers assisted with rearing houses as ASRs in Eri sector.

xiii) CBT Section:

1. To plan to organize training programme for scientists in different areas based on the specific requests and also the research priorities in coordination with RCS.
2. Training programmes may also be planned for administrative staff to strengthen working of the nested units.

xiv) Publicity Section:

1. **Indian Silk** to be digitalized and to be published in hybrid mode i.e. both online and print media for wider publicity.
2. Success stories to be e-published and the video clippings of the success stories to be collected from all the institutes for uploading in social media and to be sent to MoT, as and when required.
3. To extend required support to all the institutes for publication of hand book on sericulture.
4. Necessary steps to be initiated for digitalization of seri-literature.

c) ANY OTHER POINTS:

1. To submit the revised/updated progress (Part-I) for the year 2020-21 (till March, 2021) latest by 15th April, 2021. Similarly, the targets for the year 2021-22 (Part-II) to be submitted latest by 31st March, 2021 incorporating decisions taken during the Annual Action Plan meeting. New research projects to be taken up for the year 2021-22 as agreed upon is compiled at Annexure-III for ready reference. To ensure inclusion of the detailed process document of the each of the Technology to be taken up under OST or OFT directly or in project mode in Part-II, along with unit cost details, format for data collection depicting the outcome under the research project/ OST/ OFT to assess the lab to land gap. The budget part (Part-III) of the Annual Action Plan to include the proposals as per the approved and ongoing research projects and wherever the incubation centres are being proposed, suitable provisions to be included.
2. The uniform purchase procedure to be adopted for both external funded and CSB funded projects was approved in principle, in view of thorough review/ recommendations/ approval at various stages viz. RC, RAC, Referees and the RCS, besides approval of the Member Secretary. Similarly, for the specific equipment proposed under Part-III of the Annual Action Plan, institutes may seek the financial approval directly subject to following procurement procedures and adhering to the GFR/ CVC guidelines.

Action: All concerned

3. Resource persons from the Institutes will be trained at CSB for purchase procedures through the GeM portal, who inturn will train the manpower at unit level. Similarly, all the administrative staff to be trained in accounting for which Finance Wing will organize regular training programmes in consultation with CBT. In the mean time, a VC will be held by the

AD (A&A), Accounts Section and AD (A&A), Stores with administrative heads of the institutes and seed organizations to ease out the procurement process.

Action: Director (Finance) & CBT, CO, CSB

4. To accelerate the clearance of the pending audit paras on various issues, the institutes may observe one month in a year as audit clearance month and the concerned AD from CO will visit the institute during the month and ensure clearance of the pending audit paras. To deal with the old and pending TDS/IT issues, hired services of consultants may be utilized on contact basis, where ever found necessary.

Action: Director (Finance)

5. Success story in 'Indian Silk' to be published on the role, efforts and impact of CSB in fighting the pandemic COVID-19 through production of coveralls (PPE kits).

Action: CSTRI, Bengaluru & Publicity Section, CO

6. To accelerate and to accomplish the set targets as per the set milestones under the ongoing research projects, to complete the purchase procedures before 2nd quarter henceforth.
7. IP & BP Cell may hire services of JRF/ Project Assistant/ Consultants in the initial stages of its establishment for streamlining process of patenting and commercialization activities.
8. The software package developed at CSRTI, Berhampore for the dead stock articles to be shared with all the institutes after testing its efficacy.

The meeting ended with vote of thanks to the Chair and the participants.

Dr. Narendar Rebelly, IRS

Director [Finance]


CSB, Bengaluru.

Date: 22.02.2021

Place: Bengaluru

**LIST OF PARTICIPANTS IN THE ANNUAL ACTION PLAN MEETING HELD ON
4TH & 5TH FEBRUARY, 2021 AT CO, CSB, BENGALURU**

1. Dr. Narendar Rebelly, IRS, Director (Finance), CSB, Bengaluru.
2. Dr. R.K.Mishra, Director (Tech) & Director, NSSO, Bengaluru.
3. Dr. V. Sivaprasad, Director, CSR&TI, Berhampore
4. Dr. Subash V Naik, Director, CSTRl, Bengaluru
5. Dr. Jalaja S Kumar, Director, CMER&TI, Lahdoigarh
6. Dr. B. T. Sreenivasa, Director, CSGRC, Hosur
7. Dr. C. M. Bajpeyi, Scientist-D & In-charge, CTR&TI, Ranchi.
8. Dr. Babulal, Scientist-D & In-charge, CSR&TI, Mysuru
9. Dr. Mir Nisar Ahmad, Scientist-D, CSR&TI, Pampore (For Director, CSRTI, Pampore)
10. Dr. Sashindran Nair, Scientist-D, NSSO, Bengaluru
11. Dr. K. M. Ponnuvel, Scientist-D, SBRL, Kodathi
12. Dr. K. M. Vijayakumari, Scientist-D, SSTL, Kodathi
13. Dr.C. Srinivas, Scientist-D & In-charge, BTSSO, Bilaspur (For Director, BTSSO)
14. Shri. Borpuzari Prabhat, Scientist-D & In-charge, MSSO, Guwahati
15. Dr. K. Sathyanarayana, Scientist-D& Head, RCS, CSB, Bengaluru
16. Dr. K.Vijayan, Scientist-D, RCS, CSB, Bengaluru
17. Shri. H. Rudranna Gowda, Scientist-D, CSB, Bengaluru.
18. Dr. V. K. Rahmatulla, Scientist-D, CSB, Bengaluru
19. Shri. Joy N John, Scientist-D, CSB, Bengaluru
20. Dr. P. Kumaresan, Scientist-D, CSB, Bengaluru.
21. Shri. S. Nazeer Ahmed Saheb, Scientist-D, RCS, CSB, Bengaluru
22. Dr. Prashanth Sangannavar, Scientist-C, RCS, CSB, Bengaluru
23. Shri. R. K. Sinha, Assistant Director (Publicity), CSB, Bengaluru
24. Dr. Balachandran, Scientist-D, CSR&TI, Mysuru.
25. Dr. Thanavendan, Scientist-C, CSGRC, Hosur
26. Ms. Sravani Siddula, Assistant Director (Stores), CO, CSB, Bengaluru
27. Shri. P. K. Mishra, Assistant Director (Accts), CO, CSB, Bengaluru
28. Shri. Udayagiri Jayaprakash, Assistant Director (Audit), CO, CSB, Bengaluru


केन्द्रीय रेशम बोर्ड CENTRAL SILK BOARD
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सं No. केरेबो CSB 31/2 (APLAN)/2012-13/RCS दिनांक Date 19 03 2012

CIRCULAR

Sub: Administrative and financial power of Principal Investigators -reg

It has been observed that the administrative and financial control of the Research projects under taken with fund from external agencies viz, DBT, ICAR, DST is vested with the Director of the main R & D Institute and that the funds earmarked have not been utilized within stipulated time. This matter is viewed seriously. It is appropriate that the Principal Investigator of the research project for which the external funds have been evolved, is authorized to take up all responsibility for implementation and completion of the project viz., selection of Junior/Senior Research Fellow, procurement of raw materials, chemicals and instruments required for the project. This measure should ensure that the projects are carried out within its stipulated period.

As regards the research projects funded by CSB, Principal Investigator is authorized to draw a contingent advance of Rs. 15,000/PM to meet immediate requirements under the project to be implemented. He will also take initiative to appoint Junior Research Fellow / Senior Research Fellow, if approved within the project.

The detailed terms and conditions are as follows.

1. The advance will be recouped on monthly basis by the Director
2. The ceiling limit of the expenditure, to be reviewed by each Principal Investigator shall not be more that Rs. 1.80 lakh per annum (Rs. 15,000x 12 months).
3. The Principal investigator shall maintain a register and a ledger including details of expenditure incurred out of imprest advance along with new allocation to which expenditure is chargeable.
4. The PI shall submit the register along with vouchers to the Account Officers for its verification at the time of recumbent. The Account Officer shall ensure proper allocation of the expenditure.

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5. The Principal investigator shall record on each voucher as given under GFR 145 and reproduce below.

"I _____ am personally satisfied that these goods are purchased are of the requisite quality and specification and have been purchased from a reliable supplier at a reasonable price"

6. The register shall be made to Internal Audit team any time when demand.
7. The departmental advance shall be surrendered on or before 15th March of each year along with any unspent amount and vouchers in hand for verification of the expenditure and settlement of advance before close of March accounts.
8. Under CSB funded projects, the items of immediate requirement viz. glassware, chemicals, small lab commodities essential utilities and incidental expenses are admissible for purchase by Principal Investigator utilizing the departmental advance. Equipments and raw material costing more than Rs. 15,000/ shall be procured with the prior approval of the concerned Director of the Institute.

(Ishita Roy)

Member Secretary

To
The Director
Mysore/Berhampore /Pampore
The Director, CTR&TI, Ranchi/CMER&TI, Lahdoigarh
The Director, CSTRI, Bangalore
The Director, CSGRC Hosure/SBRL, Kodathi / NSSO, Bangalore
The Scientist - D, BTSSO, Bilaspur/MSSO Guwahati and SSTL, Kodathi

#	Name of Institute	No. of projects proposed for 2021-22	No. of projects agreed upon to be taken up during 2021-22*
1.	CSRTI, Mysore	17	10
2.	CSRTI, Berhampore	12	10
3.	CSRTI, Pampore	4	6
4.	CTRTI, Ranchi	9	8
5.	CMERTI, Lahdoigarh	7	4
6.	CSGRC, Hosur	2	1
7.	CSTRI, Bengaluru	8	10
8.	SBRL, Kodathi	3	5
9.	SSTL, Kodathi	3	5
	Total	65	59
<i>* include ToTs to be taken on project mode</i>			