

MINUTES OF THE REVIEW MEETING HELD BY THE MEMBER SECRETARY, CENTRAL SILK BOARD AT B. DEOGHAR ON 15.04.2014

A meeting was held at B. Deoghar on 15.04.2014 under the Chairmanship of Ms. Ishita Roy, I.A.S., Member Secretary, CSB to discuss on the follow-up actions initiated on the decisions of the Project Management Board (PMB) meeting held on 29.7.2013, meetings of Working Group for taking up technology trials in the special SGSY Project area and ISDS carried out by PRADAN.

List of the scientists and officers attended the review meeting is appended as **Annexure**. The Member Secretary discussed with the scientists and officers concerned on various agenda items circulated and following decisions were taken.

- i. **Registration under Seed Act:** As it is mandatory to avail any project benefits, supply of basic seed and nucleus seed, procurement of seed cocoons, sale of seed etc., registrations under Seed Act are mandatory, it was decided to ensure registrations of all the seed and seed cocoon producers promoted/ to be promoted by PRADAN and BSM&TCs concerned.

It was further decided that Awareness Programmes (4 nos.) one in Banka, one each in Godda, Dumka and Singhbhum districts would be conducted by NSSO within one month and PRADAN would facilitate registration of all the seed and seed cocoon producers in the special SGSY and NABARD-TDF project areas within two months of completion of the Awareness Programme. Other PIAs of MKSP projects would also be advised to ensure registration of seed and seed cocoon producers under Seed Act before extending project assistance.

While the MKSP Project Coordinator shall facilitate organizing Awareness Programmes, RO, Patna will facilitate registration process with involving the BSM&TCs concerned and anchored by PRADAN.

(Action: MKSP Project Coordinator, PIAs of MKSP, RO, Patna & BSM&TCs)

- ii. **Seed augmentation in the project area:** Director i/c, BTSSO will map presence of BSPUs promoted under the special SGSY/ NABARD-TDF projects for their technical adoption by the respective BSM&TCs. Director i/c, BTSSO shall review this in its

Review and Action Plan meeting as separate agenda point with the MKSP Project Coordinator as an invitee to augment seed production in private sector and also to supplement efforts of BTSSO (in nucleus seed production) and DOSs (in basic and commercial seed production). Director i/c, BTSSO shall also identify at least 6-7 such players within next six months and report to CO.

It was also decided that Director i/c, BTSSO will closely monitor seed augmentation at DOS units/ Private sector in general and basic seed in particular by making necessary budgetary provisions for inputs/disinfectants for plantation maintenance/ seed rearing on the lines of MSSO.

(Action: Director i/c, BTSSO, Bilaspur)

- iii. **Demarcation of seed areas and allotment of block plantations/ natural host flora for seed rearings:** Director i/c, BTSSO, Bilaspur was advised to furnish the minutes of the meeting held involving PRADAN, concerned project area BSM&TCs, DOS representatives, CSB, Bangalore to finalize the seed areas and also to avoid commercial rearings in the block plantations immediately. As it is very essential to attain disease containment and better monitoring of seed rearings, demarcation of seed areas to all the BSM&TCs/BSPUs may be completed in consultation with DOSs concerned within May 2014, if not yet taken up. The same may be discussed and finalized during the ensuing Seed Action Plan meeting. Consolidated report indicating BSM&TC/PPC/BSM&TC-wise demarcated seed areas (name of villages and extent of natural host flora/ block plantations allocated) may be furnished to CSB, Bangalore for record purpose. In view of the importance of block plantations for disease containment and better monitoring, Director i/c, BTSSO may ensure from time to time that the arrangements made are adhered to with specific allocations for maintenance of allotted plantations from special projects/ CDP/ state plan funds/ BTSSO's budgetary allocations, as the case may be. Incharge, BSM&TC, Kharsawan requested for coverage of area in and around the BSM&TC in forthcoming MKSP project for necessary support in seed augmentation.

All the concerned may follow the technology package for maintenance of plantations to be suggested by the Director i/c,

CTR&TI, Ranchi based on the outcome of technology trials in the project areas, besides the package for natural host flora.

(Action: Directors i/c, CTR&TI and BTSSO & PRADAN)

- iv. **Non-Eroding Corpus Fund to the project area BSM&TCs:** Keeping in view the PMB decisions, it was decided that Director i/c, BTSSO will keep the initial NECF amount of Rs. 25.00 lakh in tact of Rs. 60.60 lakhs accrued as on date, initiate immediate action to recover DCB within three months, keep maximum funds under TDRs so as to earn higher interests and continue to maintain NECF so that the interest amount can be utilized for conducting various studies, surveys, documenting case studies, implement innovative ideas emerging in the field through PRADAN or any other field implementing agency involving reputed consultants in the field. Till such period, Director i/c, BTSSO will ensure submission of status of NECF, every quarter to the Project Coordinator, CSB, Bangalore. It was also decided to extend the facility to all the BSM&TCs in the MKSP project area, from the existing fund, if required. **Director i/c, CTR&TI may constitute a working group with specific ToR to decide on various studies, documentation, innovative ideas involving MSKP Project Coordinator, scientists of BTSSO & CTR&TI and PIAs of MKSP projects.**

(Action: Directors i/c, CTR&TI and BTSSO)

- v. **ISO Certification of Basic Seed Production Units in the project area:** Efforts of PRADAN, BSM&TC, Deoghar and the MKSP Project Coordinator were appreciated in organizing the ISO Certification to 6 BSPUs in the project area. It was decided that the Director i/c, BTSSO will monitor the process on a regular basis for effective implementation and its continuation besides extending to other units.

(Action: Director i/c, BTSSO, Bilaspur)

- vi. **Seed supply arrangements under MKSP Projects:** Director incharge, BTSSO informed that the nucleus and basic seed production during 2013-14 was about 6 lakhs and 29 lakhs, respectively and BTSSO is bringing down the basic seed supply to states by around 20% every year. It was decided that Director i/c, BTSSO would coordinate supply of basic seed under MKSP Projects up to an extent of 1.5 lakh dfls due to front loading of the project activities in some of the states, which may be continued till

the augmentation of basic seed through BSPUs in the project states.

It was also decided that the Director i/c, BTSSO would discuss and plan the seed cocoon production, procurement and preservation and basic seed production at PPC level by extending necessary technical support and linkages so that basic seed production by PPCs would gradually increase, as envisaged during XII Plan.

(Action: Director i/c, BTSSO, Bilaspur)

- vii. **Procurement of land for operational buildings:** Director i/c, CTR&TI was advised to pursue the issue with the Chief Secretary, Jharkhand and furnish the status periodically in view of serious audit objections on deposit of advance sale consideration with revenue authorities.

(Action: Director i/c, CTR&TI, Ranchi)

- viii. **Disease monitoring:** It was suggested that the committee shall have uniform composition in all the states involving the NGOs implementing MKSP Projects, DOS, CTR&TI & BTSSO field units and need to be extended to all the BSM&TCs/PPCs/BSPUs etc. Dr. Ajit Kumar Sinha, Sc-D will coordinate the activity under intimation to the Director i/c, CTR&TI and CO, CSB on measures taken for field disinfection, disease containment during the crop, measures taken during seed cocoon preservation/processing, disease incidence from time to time (at least quarterly) as per the **standard format** devised for the purpose.

(Action: Director i/c, CTR&TI, Ranchi & Dr. Ajit Kumar Sinha, Sc-D)

While the MKSP Project Coordinator will coordinate the collaborative initiatives of C-DAC, Kolkata, it was suggested that CTR&TI/BTSSO to take stock of findings of pebrine detection software developed by C-DAC and extend necessary support in the validation process.

(Action: Directors i/c, CTR&TI & BTSSO & MKSP Project Coordinator)

- ix. **Technology Trials in the project area:** In view of the different opinions under technology trials, Director i/c, CTR&TI may finalize the technology (cost effective) with its description, step-wise details, B:C ratio etc., for adoption in all the states with its field units disseminating all the technologies as decided during the

technology trials. Both PRADAN and Director i/c, CTR&TI has reached a common understanding on technologies pertaining to nursery raising (project area and CTR&TI model), wider spacing of 10' x 6' or 8' x 8' for block plantation (with no separate chawki garden), chawki garden with 6' x 6' spacing, intercropping, depurated etc., which can be replicated under developmental projects. PRADAN would finalise the brochures for each of the technologies finalized along with step-wise photographs in consultation with the MKSP Project Coordinator, CSB, Bangalore.

It was decided that the technology trials in pre-cocoon and seed sectors along with other technologies in pipeline from CTR&TI will be continued for another year to finalise the documentation on the lines of trials of post-cocoon technologies in the Project area. Details of all the technologies to be taken up under trials in the project area will be made available to CO, CSB, Bangalore latest by 30.04.2014.

It was also decided that the intercropping will be limited to leguminaceae crops to improve soil health and also avoid use of chemical fertilizers and pesticides in case of vegetables.

Trials will be taken up with modified technology with respect to artificial diet (where problem in transfer of worms from cake to leaves after 2nd moult was experienced), Jeevan Sudha and SM5. It was also decided that Directors i/c, CTR&TI/ BTSSO will take up all the technologies in the MKSP Project area (in seven states) in co-ordination with MKSP Project Coordinator with at least 15 farmers/technology/state with necessary budgetary provisions under their ToT programmes, including the compensation package in case of any crop loss due to technology, to keep them on fast track for their adoption.

Director i/c, CTR&TI will take up commercialization of proven technologies on fast track with approved list of suppliers in various states as being followed in case of mulberry.

Directors i/c, CTR&TI and BTSSO may submit the technology trial data till date in specified formats by 30.04.2014 to CO, CSB to decide on the documentation for the technology trials. In the meantime, Director incharge, CTR&TI was advised to finalise the technology details in coordination with PRADAN and the Project Coordinator.

Director i/c, BTSSO was advised to furnish the data of the technology trials along with technology description, step-wise details, B:C ratio etc., latest by 15.5.14 to CO, CSB.

Director i/c, CTR&TI, Ranchi will constitute a Working Group for taking up technology trials of proven and technologies in pipeline for its validation in all the MKSP project areas involving DOSs, BTSSO, PIAs and MKSP Project Coordinator.

(Action: Directors i/c, CTR&TI & BTSSO & MKSP Project Coordinator)

- x. **Research project proposals on field issues:** While CTR&TI has taken up some projects based on the field issues emanated from time to time from the project areas, it was decided that CTR&TI/CSTRI will propose projects on the following areas as per feedback from the field.
1. Reduction in the gestation period of tasar host plants,
 2. Studies on improving leaf quality and also feed conversion ratio,
 3. Studies on effect of larval population per host plant and their transfer during late stages of silkworm rearing on NBFL, reelability, silk content etc., besides breeding studies with focus on improving reeling parameters,
 4. Control of erratic emergence of moths (achieving synchronised emergence) in tasar basic seed grainage including artificial insemination.
 5. It was also decided that both CTR&TI and CSTRI separately or together may take up research projects on the following areas of post-cocoon sector.
 6. Studies on improvement of the reelability by reducing the breaks during reeling,
 7. Studies on reelability of various eco-races in different rearing clusters under varied rearing management practices need to be taken up.
 8. Studies on sorting and grading of cocoons including mechanical sorting followed by visual examination (conveyer belt with diffused light) to decide the quality.

9. Studies on enzymatic softening of cocoon with synthetic enzymes keeping in mind the outcome of earlier studies with long enzymatic exposure causing minute fibrils to protrude from the surface of the yarn,
10. In case of wet reeling, adding sodium bicarbonate in the solution of hydrogen peroxide, sodium silicate and sodium carbonate may be considered to reduce the alkalinity, which may reduce damage of silk fibre and improve Hydrogen peroxide reaction to soften the cocoon.
11. Devising separate reeling machines for different grades of cocoons (as A grade cocoons with their comparatively good build up, higher filament length and non breakable length would require a machine of reeling speed between 30-40 meter/ minute with reelings machines of more ends while B and C grade cocoon can be only be reeled at a speed between 20- 25 meter/ minute with lesser number of ends).

Research Coordination Section (RCS), CSB, Bangalore will review the progress under the above action point on a regular basis.

(Action: Directors i/c, Technical, CTR&TI & CSTRI)

- x. **Submission of reports by PRADAN:** It was decided that PRADAN would submit the final report on special SGSY Project in Bihar towards conclusion of the project by 25.04.2014 and submit quarterly/annual report on the seed augmentation and sustenance activities in the said project area even after the project conclusion to DOSs concerned and CSB for inclusion in the production statistics. Asst. Secretary [Tech], RO, Patna will provide all the relevant formats to PRADAN immediately.

(Action: PRADAN & Asst. Secretary [Tech], RO, Patna)

- xii. **Implementation of ISDS by PRADAN:** It was observed that while the progress is more or less satisfactory, submission of physical and financial reports are not in the prescribed format and on time. PRADAN was advised to make entries in the format for uploading besides placing indent 15-20days in advance for necessary release.

It was decided that the PRADAN and Director i/c, CTR&TI/BTSSO will share the curriculum/ study material under various programme amongst themselves, Nodal Officer-ISDS (PRADAN) & Principal Coordinator-

ISDS latest by 30.04.2014. All the concerned will furnish their feedback to everyone by 15.05.2014 for consideration. Director incharge, CTR&TI will organize a two day write shop involving the Principal Coordinator-ISDS, Nodal Officer-ISDS (PRADAN), CSB, Bangalore, Nodal Officers-ISDS from Director i/c, CTR&TI and BTSSO and any others to finalize the same within 30.05.2014.

Mr. Rajendra Khandai, PRADAN expressed inability to maintain the data in the required format and its uploading in absence of posting of consultants for the purpose (one each for CTR&TI and BTSSO trainings). It was informed that the necessary arrangements for the same would be made at the earliest.


(Action: Director i/c, CTR&TI, PRADAN & Nodal Officers ISDS [CTR&TI, BTSSO, PRADAN] & Principal Coordinator-ISDS)

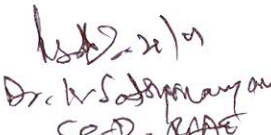
- xiii. **Technology trials in post-cocoon sector:** Director incharge, CSTRI was advised to take up all the trials in post-cocoon sector under ToT viz., cooking, reeling and spinning involving all the machines like tasar cottage basin reeling machine (DCTSC Suri), Samvridhi etc., at four locations viz., Piska Nagari, Jharkhand, Kurawa, Dumka, Jharkhand, Tantipara, West Bengal and Champa, Chhattisgarh involving producers, industry, DOS, innovators etc. Even the outcomes from CDAC study like Resham Darshan may also be included in consultation with C-DAC for their validation. **Directors i/c, CSTRI & CTR&TI may constitute a working group to take up trials involving all the concerned (including CDAC) at above four locations.**

(Action: Directors i/c, CSTRI & CTR&TI)

Meeting ended with thanks to the Chair.

Date: 21.04.2014


(ISHITA ROY)
Member Secretary


Dr. K. S. Sanyal
Secy, BAAE

Annexure

LIST OF PARTICIPANTS ATTENDED THE REVIEW MEETING HELD BY THE MEMBER SECRETARY, CENTRAL SILK BOARD AT B. DEOGHAR ON 15.04.2014

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1. Ms. Ishita Roy, I.A.S., Member Secretary, Central Silk Board, Bangalore.
 2. Mr. M. K. Ghosh, Director i/c, Central Silk Technological Research Institute, CSB, Bangalore.
 3. Dr. Alok Sahay, Director i/c, CTR&TI, Ranchi
 4. Dr. S. S. Rath, Director i/c, BTSSO, Bilaspur.
 5. Mr. R.Bhattacharjee, Joint Secretary [Tech], RO, Kolkata
 6. Dr. A.K. Sinha, Scientist-D, CTR&TI, Ranchi
 7. Dr. Soumen Nandi, Scientist-D, BSM&TC, Deoghar
 8. Dr. A.K. Singh, Scientist-D, BSM&TC, Madhupur
 9. Dr. A.S. Verma, Scientist-C, BSM&TC, Madhupur
 10. Dr. Surajpal, Scientist-D, BSM&TC, Kathikund
 11. Dr. A.K. Singh, Scientist-C, BSM&TC, Bhagalpur
 12. Dr. Ramkishore, Scientist-D, BSM&TC, Kharswan
 13. Dr. B.K. Singhal, Scientist-D, BTSSO, Bilasppur
 14. Mr. Saurav Majumdar, Scientist-C, TTL, Bhagalpur
 15. Dr. V.P. Gupta, Scientist-D, CTR&TI, Ranchi
 16. Dr. K. Sathyanarayana, Scientist-D, Central Silk Board, Bangalore
 17. Mr. Rajendra Khandai, Integrator (Tasar), PRADAN, B. Deoghar