

**Minutes of the Final Project Review Committee Meeting on TePP Phase I
completed project titled “Automated garment dyeing, chemical washing and
effluent treatment wet processing machine for cotton
textiles and garments” by Mr. Y. Jahir Hussain
held at the Innovator’s site, Madurai on 07.09.2015 at 10.00 am**

The following members were present:

1. Dr. T. Selvaraj, Professor, Department of Production Engineering, NIT, Trichy - Chairman
2. Mr. S. A. Hipparagi, Scientist ‘D’, Central Silk Technological Research Institute, Central Silk Board, Bangalore, Ministry of Textiles, Govt. of India - Member
3. Mr. S. Sivakumar, Head - Textile Chemistry, The South India Textile Research Association (SITRA), Coimbatore - Member
4. Mr. V. Subbaiah, Programme Co-ordinator, TREC-STEP, Trichy - Member
5. Mr. R. J. Narayanan, Finance & Admin Officer, TREC – STEP, Trichy - Member

The innovator Mr. Y. Jahir Hussain was present during the meeting.

The meeting was chaired by Dr. T. Selvaraj, Professor, NIT – Trichy.

Mr. V. Subbiah, Programme Co-ordinator welcomed the members of the committee. He narrated that TREC- STEP was the first outreach centre in promoting the TePP scheme sponsored by the Department of Scientific and Industrial Research (DSIR), New Delhi. So far, the TREC – STEP was able to get the TePP support for 40 innovators to the value of TePP grant of Rs. 1.47 crores in Phase I and Rs. 1.23 crores in Phase II. He complimented DSIR for providing support to the innovators. Further, he appreciated the efforts taken by the technology angels like NIT – Trichy, SITRA – Coimbatore and CSTRl – Bangalore in bringing out the value of the technology to the society. He also thanked the chairman Dr. T. Selvaraj for his continuous support to TREC – STEP in promoting the TePP scheme.

The Chairman Dr. T. Selvaraj, Professor, Department of Production Engineering, NIT – Trichy appreciated the DSIR sponsored TePP scheme and performance of TREC –STEP for promotion of innovative techno entrepreneurs in the region. Then he allowed the innovator to make a presentation alongwith the submission of documents for review of the completion of the project.

Observations

Mr. Y. Jahir Hussain, the innovator for TePP Phase I project, made a technical presentation before the committee about the project completion and requested for condoning the delay of 20 months in completing the project due to some technical reasons. Further, he has requested for the release of the balance amount of grant Rs. 1.0 lakh from DSIR, New Delhi.

The members of the committee made a site visit to oversee the functioning of the prototype machine on 6th September 2015 evening during which the working of the prototype machine was demonstrated. The technical experts from CSTRl and SITRA appreciated the sincere efforts made by Mr. Y. Jahir Hussain and his family members for the successful completion of project. They witnessed the complete operation of one full cycle of the prototype unit and evidenced the operation as per the programme incorporated. It was noted that the comments made by the committee in the previous meetings were implemented by the innovator. The present model is working efficiently in terms of timings, chemical dosage to dyeing units and effluent treatment unit. The cycle of operations was in sequence as per the project plan. The entire operation was evidenced for one full cycle starting from loading of the fabric to the complete dyeing operation and primary, secondary and tertiary treatments of the dyed effluent and resupply of the treated water to the storage tanks of the dyeing units.

Further, the committee suggested that the innovator can further fine tune the arrangements such that i) the operating system should be more user friendly and robust ii) it requires minimum maintenance iii) gravitational force can be used for pumping of the solution wherever possible iv) an operation manual in English as well as local language can be prepared alongwith daily, weekly, monthly and yearly maintenance schedules pertaining to the dyeing unit, primary, secondary and tertiary treatment components in order to make it a commercially viable model.

The committee finally recommends to release the balance TePP grant of Rs. 1.0 lakh to Mr. Y. Jahir Hussain based on the submission of audited U.C and S.E and also to release the balance amount (Rs. 10, 000/-) to TREC-STEP towards the monitoring charges. Further, the committee observed the technical reasons stated by the innovator in his letter to the TREC-STEP dated 25.08.15 for the delay of 20 months in completing the project are convincing and recommends to condone the delay and to allow the extension of time.

After evidencing the performance of the prototype unit, the committee strongly recommends for commercialization of this pilot model for tiny and small processing units as it not only takes care of the environment, it also saves the total consumption of water to the tune of 90% of the total water utilized in the processing units.



Dr. T. Selvaraj,
Chairman and Professor, NIT - Trichy



Mr. S. A. Hipparagi,
Scientist 'D', CSTRI - Bangalore



Mr. S. Sivakumar,
Head - textile Chemistry, SITRA-Coimbatore



Mr. V. Subbaiah,
Programme coordinator, TREC-STEP



Mr. R. J. Narayanan,
Finance & Admin Officer, TREC - STEP, Trichy