# Scientific Talk on Tissue Culture Lab Establishment

Rain Forest Research Institute, Jorhat (Assam) organized a scientific talk on *'Mandatory requirements for designing Plant Tissue Culture laboratory and Standard Operating Procedures for Tissue Culture Laboratory'* on 20th July, 2015. The talk was delivered by Mr. Sabu Thomas, Consulting Engineer-cum-Proprietor of ELS Instruments, Bangalore. Mr. R.S.C.Jayaraj, IFS, Director chaired the Session. Scientists, Research Officers and other research workers of RFRI attended the Session. Research Scholars of Assam Agricultural University, Jorhat (Assam) and Scientists of North East Institute of Science and Technology, Jorhat (Assam) also attended the Session.

At the outset, Director welcomed all the participants and spoke briefly on importance of tissue culture in various fields, which include somatic embryogenesis, gene transformation, embryo recovery in plants particularly in orchids, conservation of plant materials etc. The talk was organized to provide information on need of establishing tissue culture laboratory with proper designing and standard operating procedures for accreditation and commercial level production.

Mr. Thomas had elaborated in details about the basic requirements of the laboratory, their operation, maintaining records, need of fire fighting systems and emergency exit, primary and secondary hardening area. His special emphasis was on Standard Operation Procedures with proper records, which were essential to monitor the quality production in commercial and economical way. All these would serve as a checklist at the time of applying for accreditation of the laboratory. An extensive interaction was taken place with the participants. The Session was ended with the customary vote of thanks by Dr. N. Ravi, Scientist, RFRI Jorhat (Assam).

The entire event was meticulously planned and successfully conducted by Sri R. K. Kalita, Head, Forestry Extension Division, Jorhat (Assam).