

Review of DBT-Accredited Test Laboratory (ATL) for genetic fidelity and virus indexing of tissue culture raised plants on 03 Oct., 2023

An inspection committee comprising of Prof. Pramod Tandon, Chairman, PMEC, NCS-TCP and Ex-Vice Chancellor, North Eastern Hill University, Shillong, Prof. V.K. Baranwal, National Professor, ICAR-IARI, New Delhi and Dr. Sudhakar Srivastava, Project Scientist, NCS-TCP Management Cell, NIPGR, New Delhi visited ICAR-IISR, Lucknow on Oct., 03, 2023 to review the progress made in DBT-Accredited Test Laboratory established under NCS-TCP. The committee discussed various issues related to smooth functioning of the ATL with Coordinator, ATL, PIs (Virus Indexing, Genetic Fidelity) and the project staff.

In the opening session, Dr. Sanjeev Kumar, Principal Scientist-Ag. Biotechnology and Coordinator, DBT-ATL introduced the committee to Dr. Sanjeev Kumar, Head, Division of Crop Improvement, Dr. Dinesh Singh, PI-Virus Indexing, and project staffs, and briefed about ATL activities and progress made in last two years including the intimation and receipt of samples from different TCPUs.

Prof. Tandon while visiting to the ATL, enquired about the step-wise procedure that project staffs follow once intimation is received for testing/batch certification at the ATL till the issuance of report, which was explained in detail by Dr. Sanjeev Kumar, Coordinator. Further, the committee cross-checked all the records/registers/lab note books related to work-flow. Prof. Tandon appreciated the efforts having different registers to record the work-flow of sample besides moving on to On Line Mode, and instructed to update all the entries in the registers on daily basis.

Prof. Baranwal discussed with the project associates about the ELISA testing for virus indexing, and checked the PCR results for virus detection as well as genetic fidelity. The committee also enquired to inform any issue related to online portal or functioning of the system to NMC. During the discussion, Dr. Dinesh Singh (PI-Virus Indexing) briefed about the current U.P. Government Policy to promote establishment of Sugarcane TC units on a large-scale in sugar mills, however, the committee expressed its concern about limited testing from such units.

The committee appreciated the efforts of all the ATL staff, and expressed its satisfaction about overall functioning of the ATL at IISR, Lucknow.



