

**COMPLETION REPORT OF THE COLLABORATIVE PROJECT "DEVELOPMENT OF
COIR SPINNING MACHINE" IN ASSOCIATION WITH FEDERATION OF INDIAN
COIR EXPORTERS ASSOCIATION (FICEA)**

The Board at its 217th meeting held on 23/06/2014 has approved the above project for designing and fabrication of a high productive automatic spinning machine for 2 ply yarn. As per the objectives of the project the design and fabrication of the high productive automatic spinning machine for the production of 2 ply yarn has been completed. A new prototype of Automatic Spinning Machine with high productivity, less hairiness and uniform twist has been developed. The machine has an auto feeder fitted with sensor system to ensure the required feed and speed for the flow of the fibre in to the chute. This process ensures continuous feeding as well as uniformity of each single strand towards the twisting head through the strand holder.

The Automatic Spinning Machine has been installed and trial runs have been conducted in the Coir Board Complex, Kalavoor by technicians from FICEA and the technical staffs of CCRI. The trainers from NCT&DC have also carried out continuous trial runs on the machines to ascertain the productivity and quality of the coir yarn produced by the new machine. The quality has been observed to be good as compared to the other machines available in the coir industry. The production is observed to increase with the continuous flow of coir fibre from the auto feeder without breakage.

The new machine which has been launched on 28/02/2020. The machine was handed over by FICEA to Coir Board as per the MOU of the project.