

## **VISION, MISSION AND KEY OBJECTIVES**

### **MANDATES OF THE INSTITUTE**

The two fold activities of the institute are:

- A)** Human Resources Development in Farm Machinery utilization
- B)** Testing and Evaluation of Farm Machinery.

#### **A) HUMAN RESOURCES DEVELOPMENT:**

Apart from imparting training to actual users, owners, operators and progressive farmers on the selection, operation, maintenance and repair of tractors, power tillers, combine harvesters, IC engines and farm machineries and improved farming techniques, the other objectives are:

- i)** To create awareness on judicious use of available farm machinery and power.
- ii)** To transfer the proven technology from lab to land through the demonstrations of newly developed high tech machinery to the farmers on their fields.
- iii)** To help farmers/technicians/engineering students etc. in selection, operation, repair, maintenance, management and other aspects of mechanization.
- iv)** To upgrade socio-economic condition of the rural youth by generating employment opportunities.
- v)** To encourage the energy conservation in agriculture through various training programs and off campus energy conservation camps.
- vi)** To upgrade the socio-economic condition of the women farmers by creating awareness about gender friendly tools.
- vii)** To develop human resources for mechanization through training & demonstrations in order to double the income of farming community.
- viii)** To help industry especially small scale sectors in transforming the research design of tested equipment/machines into industrial design for the production of quality machines.

#### **B) TESTING AND EVALUATION OF FARM MACHINERY:**

Tractors, power tillers, implements, engines, pumps and other agricultural machines manufactured in the country are being tested to assess their functional suitability and performance characteristics as per **National and International Test Codes and Test Regulations** under different agro-climatic conditions with the following objectives:

- i)** Serve as a basis to decide the type of machinery best suited for Indian conditions, which could be encouraged for production and popularization.
- ii)** Help the farmers and other prospective purchasers in determining the comparative performance of machinery available in the market.
- iii)** Form basis for standard specifications to be used by the manufacturers and distributors.
- iv)** Disseminate materials to researchers/designers for undertaking development work on agricultural machinery; engineers and extension workers for guiding farmers and other users in proper selection of equipments
- v)** To provide feedback to the manufacturers through "Users' Survey", aiming at the farmers response on the standard of after sales service provided by them
- vi)** Support financial institutions in recommending financial assistance to the manufacturers as well as the farmers
- vii)** To promote export of agricultural machines, especially tractors, through testing in accordance with International Standards / OECD standards
- viii)** To test/inspect tractors, power tillers, combine harvesters for issuance of road worthiness certificate under the provisions of Central Motor Vehicle Rules (CMVR).
- ix)** To assist Bureau of Indian Standards in the formulation of various codes/standards on agricultural implements and machines.
- x)** To aid research & development institutions on agricultural machines and implements.
- xi)** To carry out trials on machines and implements which have proved to be successful in other regions of the world with a view to examining the possibility of their introduction in the country.
- xii)** To ensure quality through 'Batch Testing' programmes and also assist the manufacturers in the product improvement.

## **FUNCTION AND DUTIES**

- i)** To impart trainings on Farm Mechanization to farmers, farm women, technical engineering students sponsored by colleges, universities, company executives, foreign delegates, scientific officers from ICAR etc.
- ii)** Testing of tractors and other allied agricultural machines as per Indian Standards, International Standards and OECD Standards Test Codes. It is also designated as a recognized agency for testing of tractors and allied agricultural machines conforming to Central Motor Vehicles Rules besides engaged in Engine Emission Testing.