



**CSIR-Central Mechanical Engineering Research Institute**  
**M.G. Avenue, Durgapur-713209, West Bengal**  
**(A constituent Establishment of CSIR under Ministry of Science & Technology, Govt. of India)**

## **SKILL DEVELOPMENT PROGRAMME ON**

### **USE OF Machineries for Agricultural Field Preparation**

#### **CSIR-CMERI: The Organizers**

The CSIR-Central Mechanical Engineering Research Institute (CMERI) is the apex R&D institute for mechanical engineering under the aegis of the Council of Scientific and Industrial Research (CSIR). Being the only national level research institute in this field, CMERI's mandate is to serve industry and develop mechanical engineering technology so that India's dependence on foreign collaboration is substantially reduced in strategic and economy sectors. Since its inception, the CSIR-CMERI has made its presence felt in the development of Tractor and agricultural implements. The name of CMERI was integrally associated with farm mechanization from the post-independence period, and more so after CMERI gifted to the nation its first indigenous tractor Swaraj that helped usher in the Green revolution. CMERI further developed a number of agricultural implements and tractors for farm mechanization that includes Sonalika, Krishishakti, Combine Harvester, Reaper Binder, Power Tiller, Disc Plough, Sugarcane Harvester, Knapsack Sprayer, Potato Digger, Mini Tractor, etc. In the new millennium, the Institute is proud to be continuing its commitment for development of agricultural machinery.



#### **Course Content: (Hands on Training)**

- Selection of necessary machineries required for land preparation
- Leveling of the uneven land using the modern machineries
- Application of Tractor, Rotavator, Cultivator, Jungle Jim etc. for field preparation

<b>Time duration of the training</b>	<b>:</b>	<b>01 month</b>
<b>Number of participant</b>	<b>:</b>	<b>10 persons</b>
<b>Minimum Qualification</b>	<b>:</b>	<b>ITI pass</b>
<b>Area to be covered</b>	<b>:</b>	<b>Approx. 10,000 sq m.</b>
<b>Location</b>	<b>:</b>	<b>Institute campus</b>

**Qualification of participants:**

- ITI final year or passed out students from Mechanical/Agricultural engineering stream
- Age should not be less than 21 years and more than 35 years

**Benefits to the participants:**

- Recompense per participant @ Rs.2500 per month
- Getting skill on operation of Agricultural machines for land preparation, farming etc.
- Certification of skill on satisfactory completion of training

**Accommodation:**

- There is an arrangement of Hostel facility with charges for lodging and boarding
- Canteen facilities for lunch on payment basis

**Available facilities:**

All participants will be provided with

- Hand sanitizer
- Face mask
- Necessary machines for operation and training
- Gate Pass/ ID Card

Contact persons

Dr S.K. Mandal, Email: sub\_mandal@cmeri.res.in (9434592007)

Mr A. K. Prasad, Email: aprasad@cmeri.res.in (9474535558)