

December, 2019 A.D

**1. Progress of Bio-village Projects:** The Directorate of Biotechnology has been implementing three (03) Bio-village projects at different places of the state to restore ecology and enhance the economy of the rural community with the funding of ONGC Tripura Asset under their CSR scheme.

### 1.1 Ichamuya Bio-village:

**(I) Distribution of Fish Fingerlings:** The Fish Fingerlings were distributed among the selected beneficiaries of Ichamuya Bio-village on 13<sup>th</sup>



September, 2019. This additional component has been incorporated in the Bio-village project with the assistance of Fishery Department of Tripura.

**(II) Distribution of Mushroom spawns:** The Mushroom spawns (cycle-II) were distributed among the 27 selected beneficiaries of Ichamuya Bio-village during the month of



October & November 2019. Hands on training were also being provided to beneficiaries for mushroom cultivation. As a result the beneficiaries were able to produce good quality

of Oyster Mushrooms to get the tune of 140 kg so far and started selling their products in the market.

### 1.2 Amtali Biovillage:

**(i) Distribution of Goatlings:** 35 pairs of improved breed of goatlings (*Sirohi*) were distributed among the 35 Households of Amtali Bio-village on 6<sup>th</sup> September, 2019 in presence of Hon'ble BAC Chairman, Charilam R. D. Block and officials from DBT and ARDD. The **Sirohi goats** are dual-purpose animals, being reared for both milk and meat. The animals are popular for their weight gain and lactation even under



poor quality rearing conditions. The animals are resistant to major diseases and are easily adaptable to different climatic conditions. The goats is expected to provide **2 litre milk/day** & the milk of this goat is believed to possess **Medicinal properties** to cure many diseases.

**(ii) Distribution of Fish Fingerlings:** The Fish Fingerlings were distributed among the selected beneficiaries of Amtali Bio-village on



16<sup>th</sup> September, 2019. This additional component has been incorporated in the Bio-village project with the assistance of Fishery Department of Tripura.

### (iii) Distribution of Mushroom spawns:

The Mushroom spawns (cycle-II) were distributed among the selected beneficiaries of Amtali Bio-village during the month of October & November 2019. Hands on training were also being provided to The beneficiaries

for mushroom cultivation . As a result the



beneficiaries were able to produce good quality of Oyster Mushrooms to the tune of 80 kg so far.

### 1.3. Brajendranagar Bio-village:

#### (I) Distribution of Chicks & Mushroom spawns:

The Mushroom spawns (cycle III) and Chicks were distributed among the beneficiaries of Brajendranagar Bio-village on 10th September, 2019 in presence of Special Secretary, ST&E, Director, DBT and officials from DBT and ARDD.

(II) Distribution of Fish Fingerlings: The Fish Fingerlings were distributed among the selected beneficiaries of Brajendranagar Bio-village on



13th September, 2019. This additional component has been incorporated in the Bio-village project with the assistance of Fishery Department of Tripura.

### 2. College Biotech Club:

#### (I) Inauguration of New College Biotech Club :

Iswar Chandra Vidyasagar College, Belonia has been awarded for Setting up of College Biotech Club during the year 2019-20. An inauguration program of College Biotech Club at ICV College was held on 15th November, 2019 in presence of Director, Directorate of Biotechnology, Director, Higher Education, Principal, ICV College, Sr. Scientific Officer, Directorate of Biotechnology and officials from DBT and students of ICV college.

PI and Co-PI of the College Biotech Club had given a presentation on the proposed project

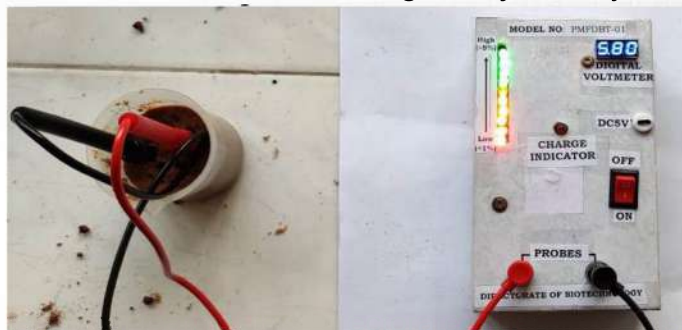


titled “Integrated Biotechnological Approach”. A popular talk on “Vermicomposting Technology” has also been organized by Swami Vivekananda Mahavidyalaya, Mohanpur on 2nd November, 2019.

### 3. Research and Development Work:

#### (I) LED Based Voltage Dependent Soil Moisture Sensor:

Soil moisture assessment plays an important role to decide the number of irrigation required for standing crops and the probability of seed to germinate. The problems of farmers in this regard have been felt during the field visits of Bio-village Projects by the



Directorate has developed a low cost and portable voltage dependent soil moisture finder, which can identify the soil moisture level from 1% to 5% and above. However, the demo model of this new device has been developed and final construction of this device is in under process.

#### Up Coming Events:

- Biotech Based training program
- Follow up laboratory trials
- Follow up Bio-village project

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