

Inauguration of Bio Digester at Centre for Cellular & Molecular Biology (CCMB)



Sri Jogu Ramanna, Hon^{ble} Minister for Forests, Environment and BC Welfare, Govt. of Telangana inaugurated the 15 cubic meter capacity Bio-digester Plant installed through Telangana State Council of Science & Technology (TSCOST) at the Centre for Cellular & Molecular Biology (CCMB), Hyderabad, here today.

Speaking on the occasion, Sri Jogu Ramanna, Hon^{ble} Minister for Forests, Environment and BC Welfare, Govt. of Telangana stressed on the need for introducing eco-friendly technologies in every sector in order to minimize the Chloro Fluoro Carbon emissions into the atmosphere. The technology adopted by the Telangana State Council of Science & Technology (TSCOST) would be beneficial for conversion of kitchen-waste into energy, he said and congratulated Dr. Rakesh K Mishra, Director, CCMB and his team as well as Er. Y. Nagesh Kumar,

Member Secretary, TSCOST and his team in making this achievement possible.

The technology being environment friendly has the potential to generate wealth in the form of Energy from waste by utilizing the kitchen-waste, green leaves, organic matter etc. The Bio-digester plant sizes starts from 1 cubic meter to 15 cubic meter while the price range start from Rs. 30,000/- to about Rs. 8 lakhs. The 15 cubic meter Bio-digester Plant saves about 7-8 LPG cylinders or 2 tonnes of firewood per month while consuming about 60-70 kgs. of kitchen waste and green leaves, organic matter etc. The process of generation of methane gas is possible because of the Anaerobic digestion process taking place in the system with the help of a patented bacteria, he said.

Speaking further, the Hon^{ble} Minister said that the Bio-digestors possess multiple advantages of protecting the health of the public by stopping about 100 cubic meters of carbon dioxide emissions per plant per month into the atmosphere. The slurry coming out of the plant is rich in micro-nutrients and is extremely useful as a bio-fertiliser for plants and crops etc.

Technology models are also available for generation of power by the use of Waste and study is being conducted for implementing such plants wherever availability of bio-mass, vegetable waste is abundant, he said.

Keeping all these advantages, the State Government would implement this technology through TSCOST wherever possible, such as big research, educational and official establishments including private and public. Modalities would be worked out for the same, he said.

The Honorable Minister detailed about the important schemes and programs of TSCOST and announced that TSCOST and CCMB would initiate a project for exploring the possibility of growing Apples and Mulberry in the uplands of Adilabad district.

He also urged the CCMB authorities to involve TSCOST in all its transfer of technology initiatives in the State of Telangana so that the Government of Telangana would come forward and support such programs.

The Honorable Minister observed the performance of the Bio-digester and expressed satisfaction.

Er. Y. Nagesh Kumar, Member Secretary, TSCOST explained about the working and salient features of the Bio-digester installed.

Dr. Rakesh K. Mishra, Director, CCMB and Dr. A.V.Rao, Head, Engineering Division, CCMB thanked TSCOST for installing the Bio-digester in their premises.

Officials and staff of TSCOST and CCMB participated in this program.