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PRESS RELEASE

Department of Environmental Science and Engineering of IIT (ISM) carries out Tectona sapling plantation using traditional Matka Plantation Recharge Technique (MTPR), which is useful for rain scarce areas.

An initiative taken by IIT (ISM) to carry out plantation using traditional ground water recharge technique, titled, Matka Plantation Recharge Technique (MTPR) has proved successful as the Tectona seeds of 20 centimeter height planted in the Environmental Sciences Department using the Matka Plantation Recharge Technique (MTPR) has grown into a 1.5 meter plant within three months.

Prof Anshumali, Head, Department of Environmental Science and Engineering, who is also the coordinator of Environmental Information Awareness, Capacity Building and Livelihood Programme (EICAP-PC-RP) said, “a demonstration of Matka Ground water recharge technique was given by Hemlal Mahato an enterprising farmer of Giridih district on June 23, 2023 at our institute in the presence of associate Professors of our department, Prof BK Mishra and Prof Suresh Pandian”

“The 20 cms size of the seed planted during the demonstration, given by Mahato, who is also the founder JSR Agro Pvt Ltd” said Prof Anshumali and added that the method of agriculture is useful for such regions which face water scarcity.

“In this technique water is filled in earthen pots and then buried in ground near the roots of trees or plant” explained Prof Anshumali and added that a small hole is made in the pot through which water drips drop by drop and goes to the roots of plants.

“The roots of plants get water as per requirement and thus the plant remain green” further said Prof Anshumali and added that the Matka Plantation Recharge Technique is a nature based solution to environmental problems especially restoration of mined out areas, river fronts, degraded forest land, hilly terrains, agroforestry in rainfed areas etc.

“The MTPR is a very low cost technique to achieve, Reduction Emission from Deforestation Degradation in Developing Countries (REDD +) and Nationally Determined Contributions (NDC) made by Government of India ” further said Prof Anshumali.

Regarding the other activities conducted by Department of Environmental Science and Engineering recently he said that the department celebrated World Ozone Day on 16 th of September by organizing keynote lecture and quiz competition for school college students in its seminar hall.

Rajni Singh

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