



INSTITUTE OF FOREST PRODUCTIVITY

(Indian Council of Forestry Research & Education)

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One day State level workshop on “Bamboo Propagation and Cultivation Techniques”

Dated: 15.11.19

At

Forestry Research and Extension Centre, Jadua Hajipur

A state level workshop on “Bamboo Propagation and Cultivation Techniques” was organized jointly by the Institute of Forest Productivity, Lalgutwa Ranchi and State Forest Department, Government of Bihar at Forestry Research and Extension Centre Jadua, Hajipur on dated 15.11.2019. In the workshop more than 70 participants including the PCCF (HoFF), Bihar Shri A. K. Pandey, APCCF (CAMPA) Shri Rakesh Kumar, Director (Hriyali Mission cum National Bamboo Mission), Director Shri Kundan Kumar, Director IFP Ranchi Dr. Nitin Kulkarni, GCR, IFP Ranchi Dr. Yogeshwar Mishra, RCCF Mujaffarpur Shri Ravishankar Prasad, All the CFs, DFOs, RFOs of the state and promising Farmers and artisans has been participated.

The program started with lighting of the lamp by the dignitaries followed by welcome address and overview by Dr. Nitin Kulkarni the Director IFP, Ranchi. He emphasized to the farmers that bamboo is a green gold and it will act as their fixed deposit. It not only helps them economically but also protects our environment. Mission Director Bihar Shri Kundan Kumar gave overview of the mission and proposed activities under the mission. He gave details of activities to be carried out under the mission and informed the house that in the proposed activities value addition and marketing of bamboo products are important aspects. The RCCF mujaffarpur informed the house that they will not only plant bamboo in farmland but also along the road side to improve the aesthetic value of roads and canals. Shri Rakesh Kumar, APCCF/CAMPA addressed the gathering and told that National Bamboo Mission aims to increase the income of farmers and artisans manifold through bamboo cultivation, value addition and marketing. The PCCF (HoFF) Bihar, Shri A. K. Pandey in his address to the house assured all possible support in research and dissemination of technologies to the end users. He stressed on planting of certified and improved material in the farmland for maximum return to the farmers. He also pointed that market linkage of bamboo products is very important. The vote of thanks for the inaugural session was given by Shri Sunil Kumar, CF Siwan.

In the technical session I, four presentations were made to cover the bamboo nursery techniques, bamboo propagation, management, conservation and value addition. The 1st presentation was made by Dr. Yogeshwar Mishra on the topic “Scientific Method of raising nursery of bamboo species” in which, he covered all the techniques of raising nursery of bamboo and their management. He stressed on planting seed origin seedlings of bamboo in the plantation to get whole lifespan of bamboo. He also cautioned the farmers and field functionaries to use the vegetative parts for propagation from known sources of which age and performance is known. Second presentation was made by Dr. Animesh Sinha on the topic “Scientific method of bamboo cultivation and management” in which he discussed all the silvicultural and agronomic activities required for better production and productivity of bamboos. He also suggested to adopt bamboo based agroforestry for maximum return. He informed the house that *Dendrocalamus asper* can be cultivated for getting edible shoots along with the ginger and turmeric as intercrop. Third presentation made by Dr. Rahmat Ali Laskar on the topic “bamboo cultivation techniques and its conservation strategies” in which he told that it is necessary to establish Bam-busetum in the state to make farmers aware about various commercial species of bamboo and it also helps in conserving the bamboo species. Fourth presentation was made by Shri Aditya Kumar on the topic “overview of Bamboo Common Facility Centre, Jadua , Hajipur” in which he had given overview of machines and their uses in value addition of bamboo. He also stressed on use of treated bamboos for extending the shelf-life of bamboo products. He had informed the house that almost all the items we know can be made from bamboo and depicted the goods and articles made from bamboo worldwide through presentation.

In the technical session II the bamboo propagation techniques has been demonstrated by Shri Mahesh Kumar, Sr. technician, IFP Ranchi. He demonstrated the techniques of making culm cutting and branch cutting their treatment with fungicide and hormone auxine. The techniques of establishing nursery have also been demonstrated. The functioning and use of machines installed under Bamboo CFC has also been demonstrated by Shri Aditya Kumar, Scientist-D IFP, Ranchi and Shri Sanjeev Kumar Technical Assistant Forestry Research and Extension Centre Jadua, Hajipur. At the end forest officials and farmers has given exposure to the research activities are being carried out at FREC, Jadua Hajipur.



Lighting of lamp by the dignitaries



Welcome address by Dr. Nitin Kulkarni, Director IFP, Ranchi



Participants of the workshop



Farmers and Artisans participating in the workshop



Presentation by Dr. Yogeshwar Mishra



Presentation by Dr. Animesh Sinha



Presentation by Sh. Aditya Kumar



Presentation on Bamboo Common Facility Centre, by Sh. Aditya Kumar



Address by shi A. K. Pandey, PCCF (HoFF), Bihar



Progressive farmer of Araria giving his views expectations from Institute and SFD



Demonstration of bamboo cutting techniques to the farmers by Sh. Aditya Kumar



Demonstration of research activities of FREC Jadua Hajipur to the PCCF (HoFF) Bihar



Demonstration of bamboo cross cut machine and treatment plant



Demonstration of Bamboo treatment plant and essence stick making unit



Demonstration of bamboo culm cutting technique to the farmers and forest officials