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DENDROCALAMUS STRICTUS : BAMBOO PLANT AND ITS UTILITY

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Abstract

When we wander on road or by motor in forest area then we observe no of plants like herbs, shrubs, trees, climbers, lianas etc. Some plants are very soft and some are very strong. Out of these plants one was bamboo which is very high and stem is strength. In our India Bamboo plants are distributed I Andhra Pradesh, Kerala, Karnataka, Himachal Pradesh, Maharashtra etc. This plant is very useful and maintains diversity of flora of region. No of peoples and their life style is depends on such plants because they got currency and job for daily maintenance. *Dendrocalamus strictus* Bamboo have no of uses to human being and also to environment.

Key Words: Forest, Strngth, Flora, Diversity, Environment etc.

INTRODUCTION:

We are very familiar with Bamboo which occur in tropical and subtropical region of India. In India Bamboo species are about 22 and subspecies are 100-120, out of them 50% Bamboo is present in East India. Bamboos grow in plane, hilly and water perforated land. Bamboos family is Poaceae or Gramineae. The Bamboo plant is about 25-50 feet in height, and stem is divided in to nodes and internodes. Growing buds are present on nodes which grow later on in branches. Root system is adventitious and run parallel to the earth. Roots conserve the soil by tight holding, also increase the organic material and porous nature. Leaves have diversity, flowers are small and in group. After seed formation Bamboo plant will died (after 40-60 years). *Dendrocalamus strictus* Bamboo is such a plant which is known to everyone who wanders in the forest. But now a day this plant is observed in the farm field also. No of farmers doing agriculture of *Dendrocalamus strictus* bamboos plants as a crop production. *Dendrocalamus strictus* Bamboo plant is useful to human being in social as well as financial role. It may be called as gold crop due to its reach value. It play a financial role in India, China, Japan hence it is important crop. Bamboo is useful from birth to death of human being.

Material and Method:

We observe different forest then we look towards stem crowded tree which is very high and somewhat green in colour. When we survey the fields in different study tours, then we collected the specimens of no of



plants .In this group *Dendrocalamus strictus* bamboo is also collected, dried. Mounted on herbarium sheet and preserved-stored in herbarium cabinet of our Botany Department of Nagnath Arts,Commerce and Science College, Aundha Nagnath Dist- Hingoli. Which is useful for study to research students.

RESULT AND DISCUSSION:

Dendrocalamus strictus Bamboo is a monocotyledonous plant which comes in family Gramineae or Poaceae. This plant is occurs on bunds of field, on road side and on bank of river, in forest etc. It is green deciduous plant .It is tall tree, roots are adventitious –fibrous , steelt root may be present. Stem is long and divided in to nodes and internodes on the basis of length of internodes species differentiation can be done. At nodal region leaves arises with sheathing leaf base leaf lamina is elongated with parallel venation and trichomes on the surface. Bamboo is useful to human being from birth to death. It is cash crop for agriculturist. It is precious for giving job opportunity. In different sectors *Dendrocalamus strictus* bamboo is useful such as Building project, paper project ,toys projects, different showpieces etc. In ancient period *Boorude* society work on this *Dendrocalamus strictus* bamboo plant but now a day anybody can do the marketing. Hence in India about one lakh peoples get job.

After Chin, India is second bamboo production country and our Maharashtra is at 5th level for production. Westernghat, north Maharashtra,Gadchiroli, Chandrapur, Gondia are the main regions for *Dendrocalamus strictus* bamboo production. I n this region scientific technically cultivation is done.

Environmentally bamboo is very important, roots of this plant are fibrous and anchorage to the soil tightly, hence soil should not flow with current of water flow .Hence it help in conservation of soil. Help in soil erosion along the river of banks. It helps in carbon absorption and increase fertility of soil. It is also cultivated in barren land, low land. Rhizome grows horizontally and new plants are grown. It grows on bunds of field and acts as hedge for crop in fields. In our India, there are about 90 genera and 150 pieces. For identification of species characters are useful like –length and girth of internodes, sheathing leaf base and spines growth. In Maharashtra *Dendrocalamus strictus* Bamboosa is a familier species.*Boorude* society is totally depends on these plants for daily life. They manufacture different types of things like basket, showpiece, and sold in market.

Utility of Bamboo:

Dendrocalamus strictus Bamboo is highly useful in manufacturing Suplee,Topli ,Sidi. Agricultural equipments-rod for diggers (Tikav, Fawada),Balad,Kangi(Grain storage),supporter for orange, grapes, tomato, banana farm. In our house it is useful as suplee, topli(Basket),put bread or roti in this topli in kitchen. Carriers like bulackart, ship. hodi, nav. In house building like walls, roof, partitions, doors, windows etc. Furniture like table, chairs, sofa, teapot Commercially *Dendrocalamus strictus* bamboo is useful in packing fruits, glass material, flowers etc. It is used in manufacture for sticks of agarbatti, frame. Bhalala, dhanusheban, Lathi. It conserve the soil and increase the fertility of soil. Medicinally it is useful on Naru disease. *Dendrocalamus strictus* Bamboo are used in making tree guards to protect the plants from other animals.On the occasion of Pola festival of farmer's food is given to oxes in topli of *Dendrocalamus strictus* bamboo and invite them. It have a loading capacity hence it is used for construction of houses, ship, shed house, greenhouse etc. It is also used for making ply board and paper. Bamboo parts like leaves, flowers, buds medicinally useful on cough, acidity and rheumatism.

CONCLUSION:

Dendrocalamus strictus Bamboo is an important tree for human being and environment in different way hence it should be cultivated, grown and conserved carefully. It maintains the diversity of nature and ecological balance. Today we are looking to words that plantation of bamboo is done in all over the country. When we think about Maharashtra, in Konkan, Viderbha , on hill tops *Dendrocalamus strictus* bamboo have tremendous scope. Today *Dendrocalamus strictus* bamboo is used for building purposes hence it gives inspiration for plantation.

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