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Principal Chief Conservator of Forests.

**CIRCULAR NO. 01/ 2004**

Sub: **Departmental Extraction of Eucalyptus Plantations** - "Management of Eucalyptus Plantations for maximum returns - Certain guidelines - Issued - Reg.

1. It is brought to the notice of all the Officers that **Eucalyptus Plantations**, which have been raised under different Schemes in the Department in the past with the main objective of **meeting the pulpwood requirement of Wood based Industries**, have been rendered commercially non-viable in many cases due to surplus production of pulpwood in the Farm sector under Agro-Forestry programmes. This is evident from the fact that there was glut in the price of pulpwood for the last 5-6 years. However, there is an upward trend in the recent past.
2. It is further brought to notice of all officers that **the Singareni Collieries Company Ltd., Kothagudem**, a fully owned State Government Company, requires Eucalyptus wood of high girth classes for making use as **Props and Chocks** in their mining operations. The rate of wood for Props and Chocks would be at least four times more than that of the Pulpwood of the same weight.
3. It is therefore urged to maintain the potentially good Eucalyptus Plantations, wherever the conditions are favourable, **for a period of 1 to 3 years more beyond the present rotation age in order to get maximum number of props and chocks**. It has therefore been felt appropriate to issue suitable guidelines for the field level functionaries in order to simplify the job of converting the Eucalyptus tree after felling into Props and Chocks so as **to get maximum financial returns to the Department as well as the members of Vana Samrakshana Samithis (VSSs)**.
4. Following are the Options to market the Eucalyptus wood:-
  - a. **Eucalyptus Props:** Specifications are as follows:
 

Length	2.70 - 4.90 Meters
Thinner end girth over bark	36 cm- 44 cm
Mid girth over bank	Not more than 55 cm
  - b. **Eucalyptus Chocks:** Specifications are as follows:
 

Length	1.22 Meters
Mid girth (Under bark)	40-60 cm

It is further informed that on an average **60 Chocks will admeasure to 1 CMt. in volume**. The rate for Props per CMT will be higher than that for Chocks. But the demand for Props is limited and the demand of chocks is higher. But **the fact**

**remains that the rate for chocks is much higher than that of the Eucalyptus pulp wood in the present market situation. Therefore, it is advisable to try to extract maximum number of Chocks once the Props are extracted.**

5. It is clear from Para 4 that only when thinner end girth of the stem is 36 cm - 44 cm, it can be converted as a **Prop**, provided it has the requisite length of 2.70 m to 4.90m. The length of a particular stem may be 10.00m, 9.0m or 8.00m etc. When the thinner end girth is 36cm – 44 cm the question that naturally arises as to what will be the best possible way of conversion into props and chocks giving maximum financial return? **The answer is illustrated in the following table** which should invariably be **followed by all field officers as Ready Reference**, which has been formulated by the **Vice Chairman & Managing Director of Andhra Pradesh Forest Development Limited, Hyderabad** in his Circular Dated 01.05.2000.
6. Immediately after felling a tree, **the point where the thinner end girth is 36 cm (O.B) should be marked and the length of the stem up to this point measured.** When the length varies from 2.70 m to 10.00 m the best possible conversion may be seen in **Ready Reference Table** given below.

S. No	Length in Meters	Props Length (M)	No.	Chocks	Value in Rs. (app.)	Total Value in Rs.
1	10.00 to 9.90	4.50 2.70	1 2	-	150.00 208.00	358.00
2	9.80 to 9.40	4.00 2.70	1 2	-	132.25 208.00	340.25
3	9.30 to 8.90	3.50 2.70	1 2	-	106.00 208.00	314.00
4	8.80 to 8.50	4.50 4.00	1 1	-	150.00 132.25	282.25
5	8.45	4.50 2.70	1 1	1	150.00 104.00 28.00	282.00
6	8.40 to 8.00	4.00	2	-	132.25 132.25	264.5
7	7.95	4.00 2.70	1 1	1	132.25 104.00 28.00	264.25
8	7.90 to 7.20	4.50 2.70	1 1	-	150.00 104.00	254.00
9	7.10 to 6.70	4.00 2.70	1 1	-	132.25 104.00	236.25
10	6.65	2.70	2	1	104.00 104.00 28.00	236.00
11	6.60 to 6.20	3.50 2.70	1 1	-	106.00 104.00	210.00
12	6.10 to 5.40	2.70	2	-	104.00 104.00	208.00

S. No	Length in Meters	Props Length (M)	No.	Chocks	Value in Rs. (app.)	Total Value in Rs.
13	5.30	4.00	1	1	132.25 28.00	160.25
14	5.20	2.70	1	2	104.00 28.00 28.00	160.00
15	5.10 to 4.50	4.50	1	-	150.00	150.00
16	4.40 to 4.00	4.00	1	-	132.25	132.25
17	3.90 to 3.50	3.50	1	-	106.00	106.00
18	3.40 to 2.70	2.70	1	-	104.00	104.00

7. Copies of the above table should be supplied to all the field staff and Officers. The Conservators of Forests and Divisional Forest Officers are requested to demonstrate in the field about the conversion of Eucalyptus trees into props and chocks with the use of this table to the Forest Range Officers, Forest Section Officers, Forest Beat Officers and the Assistant Beat Officers who are engaged in harvesting of Eucalyptus Plantations.
8. It is pertinent to mention here that we do not have the choice to extract any number of Props as the requirement of the SCC Ltd. is limited. SCC Ltd. has entered into MOU with the Andhra Pradesh Forest Development Corporation Limited for supply of Props and Chocks every year for a period of ten years from 2000-01 onwards. **Only the requirement of SCC Ltd, in excess of the supply from Andhra Pradesh Forest Development Corporation Limited, can be met from the Forest Department** and therefore the Conservators of Forests / Divisional Forest Officers are requested to ascertain the requirement of Props and Chocks from SCC Ltd, before taking up the harvesting plan; as otherwise, if the Chocks and Props are reconverted into pulpwood for want of demand, the Government will be put to heavy financial loss. The balance quantity shall be utilized for conversion into **pulpwood or Faggot wood** as the case may be.
9. **The last but the most important point is not only to follow the above instruction** for conversion of Eucalyptus wood to the maximum financial advantage of the Department but to maintain certain potentially good Eucalyptus plantations beyond the present rotation age the 8<sup>th</sup> year for period of 1, 2, or 3 years more so that the maximum number of plant population attains the girth convertible into Props and Chocks which will result in additional revenue to the Government and additional income to the VSS. It should be mentioned here that **such Plantations should be maintained only after carrying out the pre-harvesting operations like uprootal of miscellaneous growth, carrying out Soil and Moisture Conservation measures** and ploughing the area in between the rows of the Eucalyptus Plantation **across the slope**. The Conservators of Forests are requested to see that a register is maintained in the Division Office of such Plantations.

All the Conservators of Forests are requested to acknowledge the receipt of the circular instructions by return of post.

Sd/- (S.K.Das)  
Principal Chief Conservator of Forests