

GOVERNMENT OF KERALA
ABSTRACT

Forest & Wild Life Department – Volume – Weight relation of stacked Bamboo and Reed – Conversion factors recommended by the Kerala Forest Research Institute, Peechi – Approved – orders issued.

FOREST & WILD LIFE (D) DEPARTMENT

G.O.(Rt) No.91/2001/F & WLD.

Dated, Thiruvananthapuram, 16-3-2001.

Read:- Letter No.G1-10882/99 dated, 13-11-2000 from the Chief Conservator of Forests (Protection), Thiruvananthapuram.

ORDER

The Kerala Forest Research Institute, Peechi was requested to conduct a study on the Volume weight relation of Bamboo and reed to find out the conversion factors from Volume of stacked green bamboo or reed to green and oven dry weight.

2. The Kerala Forest Research Institute has taken up the study to find out the conversion factors through a low intensity field sampling in selected forest ranges in the state. The conversion factors recommended by Kerala Forest Research Institute are as follows:-

<u>Item</u>	<u>Multiplication factors converting volume (in cubic metre) of stacked green bamboo or reed to weight (in tonne)</u>	
	<u>Green weight</u>	<u>Weight in oven dry condition</u>
Bamboo	0.268	0.132
Paper reed	0.207	0.087
Weaving reed	0.231	0.113

3. To Estimate the green or oven dry weight of stacked green bamboo or reed, the stacked green volume has to be multiplied with the respective conversion factors.

4. The Chief Conservator of Forests (Protection) as per the letter read above has requested Government to approve the conversion factors recommended by Kerala Forest Research Institute.

5. Government have examined the matter in detail and are pleased to approve conversion factors in order to convert volume of stacked green bamboo or reed to green and oven dry weight.

5. The conversion factors are applicable only when green bamboo or reed are

stacked in following manner and the stacked volume is found out for various values of length, breadth and height of stacks. As a first step for the stacking of bamboo, the stacking place is to be cleared and leveled horizontally. Green bamboo poles are to be stacked with a breadth of 1 meter and height 0.5 meter. Care is to be taken to cut the poles in equal length (LM) before stacking. Four crow bars are fixed vertically on the four corners to hold the stack vertically. The poles are stacked in such a way that the bottom of each pole is at one side of the stack and the height on that side is 0.5 meter. The poles are to be arranged closely without any gap and to get a mixed packing with bottom, middle and top portions. Stacking of green reed also is to be done in a similar way, in stacks of LMx0.6 x 0.3 meter, where L is the length of the stack depending upon the length of poles and 0.6m is the breadth the stack and the height at that side should be 0.3 meter..

(By order of the Governor)

P.. CHERIAN PHILIP,
Joint Secretary to Government.

To

The Principal Chief Conservator of Forests, Thiruvananthapuram.

/True Copy/

Endorsement No.G1-10582/99 dated 23-4-2001.

Copy forwarded to All Chief Conservator of Forests, All Conservator of Forests and All Divisional Forest Officers for information and necessary further action.

For Chief Conservator of Forests,
(Protection)

Kc.23.4