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Sri Lanka Standard
METHOD OF MEASUREMENT OF ROUNDWOOD TIMBER AND
VOLUME DETERMINATION

SRI LANKA STANDARDS INSTITUTION

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FOREWORD

This Sri Lanka Standard was authorised for adoption and publication by the Council of the Sri Lanka Standards Institution on ~~..87.07.27~~ after the draft finalised by the Drafting Committee on Grading of timber has been approved by the Civil Engineering Divisional Committee.

Roundwood timber is graded in terms of visible defects and sold on the basis of its true volume. In order to achieve optimum utilization of timber resources, measurement of true volume, and in the implementation of grading rules, application of standards was considered necessary. SLS Rules for grading of roundwood timber together with this standard is expected to fulfil these needs. A volume table is included in this standard, which could be used to obtain the true volume of timber from log dimensions without tedious calculations.

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or measurement, shall be rounded off in accordance with CS 102, Presentation of numerical values. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

1 SCOPE

This method of measurement is applicable to logs of any grade, debarked or unbarked.

2 REFERENCE

2.1 SLS Rules for grading of roundwood timber.

3 MODE AND SYSTEM OF MEASUREMENT

3.1 Logs shall be measured based on the formula -

$$V = \frac{G \times G \times L \times 7}{88} \times 1000$$

where V is the volume in cubic decimetres (true volume) ;

G is the mid girth underbark in metres and

L is the length of the log in metres.

NOTE - 1 cubic decimetre = 0.001 cubic metres = 0.03531 cubic feet.