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GOVERNMENT OF ANDHRA PRADESH
FOREST DEPARTMENT
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Office of the Chief Conservator of
Forests, Andhra Pradesh, Hyderabad.

Sri P.S.Rao, I.F.S.,
Chief Conservator of Forests.
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CIRCULAR NO. 28/79.

Sub:- Supply of mixed hardwoods to wood based Industries
Standardisation of Volume weight conversion ratio
collection of necessar field data-Instructions-Issued.
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The Forest Department has a committed obligation to supply annually large quantities of mixed hardwoods to several major wood based industries in the State, from different forest catchments already identified in various parts of the State. Unlike bamboo, where the weighment is made at the mill site based on which alone royalty is collected, hardwoods will be supplied in stock form and royalty is to be collected on the volume delivered in the coupes itself. Each stack will normally have a volume of two cubic meters (2m x 1m x 1m). Thus terms of cubic meters, where as the Government assurance (tonnes). Hence there is necessity to evolve at once a standised volume to weight relationship for the of the catchments so that volume of wood delivered could be converted into corresponding weight for purposes of collection of royalty from the Industries concerned as well as to fix the quantity of hardwoods to be supplied to each industry annually, in terms of volume, where the quantity assured to be supplied was expressed in weight (as so many tonnes).

In order to determine the volume/weight relationship for hardwoods in each catchment, the following procedure may be followed for collection of field data from forest coupes under working and from where hardwoods are being supplied or proposed to be supplied to the respective industries. Such field data should be collected by the working plan Officers for the catchment where such parties are currently operating, and by the Divisional Forest Officers or Sub-Divisional Forest Officers (as nominated by Conservator of Forests concerned) within their jurisdiction (for the whole or prt catchment) where there are no working plan Officers. In either case a responsible representative of the industry should be associated in the collection of such field data, and the work will be got done under the direct and personal supervision of the Officer concerned only.

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ANNEXURE

List of Industrial Forest catchments in Andhra Pradesh with Forest Divisions.

Name	Forest Divisions	Industry.
1. Godavary catchment	Narsipatnam, Kakinada and Eluru Divisions.	Andhra Pradesh Paper Mills.
2. Khammam catchment	All the Forest Divn. in Khammam Circle.	Bhadrachalam Paper Boards.
3. Warangal -do-	Warangal North and Karimnagar East Divs.	Andhra Pradesh Rayons Ltd.
4. Adilabad -do-	Khagaznagar, Bellampalli, Mancherial and Jannaram Divisions.	Sirpur Paper Mills Ltd.
5. Nizamabad -do-	Nizamabad, Kamareddy and Nirmal Divns.	Novapan
6. Nallamalai -do-	Atmakur, Nandyal, Diddalur, and Nagar-Kurnool divisions.	Sree Rayala Seema Paper Mills.

Areas set apart for each industry will be the unit for collection of such field data. List of such area with forest divisions falling in each is indicated in annexure. The Working Plan Officer/Divisional Forest Officer/Sub-Divisional Forest Officer as the case may be, will select at random five coupes under working representing all types and variations of forests found in the catchment, and which will be worked from year to year for supply of hardwoods to the industry concerned. The areas selected for collection of data should cover areas being worked or to be worked, either by the Forest Department, or Forest Development Corporation for organisation supplies. In each coupe under working, selected for collection of data, atleast ten hardwood stacks each of 2 cmt., should be selected at random. This necessarily involves pre-numbering of stacks in the field, and random selection in the office, of the stacks to be weighed before going to the field. Even in the process of such random selection the representation of the mills should be associated. The stacks (each two cubic meters stacked volume and O.B), which are selected at random should be about 30 days old after their formation (with a range of 25 to 35 days) and weighed separately using a platform scale provided by the mills concerned in field. The volume and weight of each stack should be tabulated separately and signed by the Officer of the Forest Department and the representative of the mill (industry) in whose presence the data is collected.

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It is necessary to collect this data for all three seasons of the year, to cover all seasonal conditions which may effect the volume/weight relation-ship. Data must thus be collected during the following months to cover the three seasons.

Rainy season --During late August or September.
Winter season --During late December.
Summer season --During late April.

The hardwoods in two stacks out of the 10 stacks so weighed in each selected coupe each of three times, should be got debarked separately and weighed immediately thereafter, to determine the loss of weight due to removal of bark, and to determine the over bark to under bark weight of a 2 cmt. Stack. After removal of bark the billets may all be stacked and the reduced stack volume may be recorded. The weight of such stack may be kept at one meter only, so that the reduction will only be in its length. This data may also be recorded with actual discussions of each stack so formed.

The correctness of the entire field data collection depends on the random selection of a number of representative areas. (coupes under working spread over the entire catchment) and random selection of stacks to be weighed, and personal supervision of officers at the time of weighing. Hence it is impressed upon all the concerned that utmost care should be taken in the collection of field data, and at each stage a representative of the industry should be invariably associated. Each of the industries have agreed to spare a jeep with trailer and a Avery Platform Weighing machine for this purpose within their respective catchment. The data so collected in the field must be attested by the Departments and Mills representatives after every day's work.

The data collection should start immediately, and a copy of the full data collected for all the three seasons consolidated for each catchment should be sent to this office by 15th May, 1980 without fail. The Conservator of Forests, Rajahmundry, Khammam, Warangal, Adilabad and Kurnool will be responsible for organising this data collection for Godavari, Khammam, Warangal, Sirpur and Nallamala catchments respectively.

This subject should also be discussed in the quarterly meetings of each industry and progress reviewed and reported in Part-I of the agenda. This should be included in the meeting for quarter ending 30-9-1979 without fail and therein being quarterly meeting.

Receipt of this letter should be acknowledged at once.

Sd/- P.S. Rao,
Chief Conservator of Forests.

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