Ministry of Forests

The following Forest Products (Sale and Distribution) Rules, 1970, are published for the information of the public.

In exercise of the power conferred by Section 26 of the 1961 Forest Act, His Majesty's Government has framed the following rules:

Short Title And Commencement

1) These rules may be called Forest Products (Sale and Distribution) Rules, 1970.

These rules shall come into force at once.

In the case of supply of dry wood (Sukhad), these rules shall be applicable only for a period of 2 years for the time.

Definitions

Unless otherwise meant with reference to the subject or context, these rules,

(a) Act means the 1961 Forest Act.

Empowered Officer means the Divisional Forest Officer or the officer prescribed by him, and where no such officer exists, the Chief District Officer, or the authority prescribed by him or by His Majesty's Government.

(c) Fuelwood means wood which is less than 3 feet in length and 2 feet in circumference, or is bent, twisted, hollow, dry, or rotten, that is, wood which cannot be used except as fuelwood, even if it is longer or has a wider circumference. In the case of catechu, Sisau, Satish (Dalbergia Latifolia), Dar (Bomarea Regulusa), Okhar (Juglans Regia) and Champ (Michelia Sp.), wood shall not be regarded as fuelwood unless it is hollow, rotten or decayed.
No person shall enter into a forest area for the purpose of procuring forest products without obtaining permits under these rules from the empowered officer, and take timber obtained under permit without having it marked with the official seal.

But no permit shall be necessary for collecting herbs and drugs in forest area in the hill region.

Explanation

For the purpose of this rule, the hill region denotes the Abaharast range and the area to the north thereof.

Applications To Be Submitted for obtaining forest products

1. Persons desirous of obtaining forest products shall submit an application containing the following particulars to the empowered officer:

   a. Name of the forest area.

   b. Name of the forest product.

   c. Category and quantity of forest product.

   d. Purpose for which the forest product is sought.

   e. Places where the forest product is to be used.

2. In case applications are filed under Sub-Rule (1), the empowered officer may conduct necessary inquiries and issue permits according to the form prescribed by the Chief Conservator.

3. The permit to be issued under sub-Rule (1) shall indicate the following particulars:

   a. Name of the forest area.

   b. Name of the forest product.

   c. Category and quantity of the forest product.

   d. Description of the marking to be affixed, if any.

Contd...
Time-limit and

f) If the permit is for pasture, the number of months for which it is valid, the species of animals to be grazed, the number of such animals, and the amount of pasture charge.

g) The price, fee or charge due for the forest product shall be collected by the empowered officer before the permit is issued.

Provided that:-

a) The price of the forest product to be sold under Rule 14 shall be as stipulated in the contract.

The charge payable for forest product to be supplied under a permit for building timber shall not be collected in advance.

The office of the empowered officer shall grant permission for the export of such products from the forest after measuring and weighing it, collecting the charge and then endorsing the permit.

It For Building Timber

Permits for building timber according to Schedule 1 may be granted by the empowered officer in the following circumstances:-

(a) In case it becomes necessary for any person to construct a (new) house (because his old house was destroyed) by fire or any other natural calamity, and

(b) In case it becomes necessary for any person whose financial condition is weak to construct a house. Such a person may be granted permits once in 3 years.

A fee of Rs 15.00 shall be charged in the case of permits mentioned in Clause (a) of Sub-Rule (1), and of Rs 30.00 in the case of permits, to be issued under Clause (b).

Persons desirous of constructing a house of the type indicated in Schedule 1 on the basis of a permit for building timber as mentioned in Sub-Rule (1) shall submit an application to the office of the empowered officer along with the recommendation of the District Panchayat to the effect that he is a victim of fire or any other natural calamity ... that his financial condition is weak.

Contd...
In case the permit for building timber sent to the appropriate District Panchayat for the purpose of issuance is not actually issued, it shall be returned to the office of the empowered officer before the expiry of the period for which it is valid. In case the permit is not returned before the expiry of such period, the appropriate Panchayat shall pay the permit fee, and the permit shall become ipso facto invalid.

Of the 2 copies of the permit for building timber to be obtained by the applicant, one copy shall be produced before the appropriate Forest Office before obtaining forest products.

After procuring forest products on the basis of a permit for building timber, the person obtaining such permit shall have the forest products measured and weighed at the appropriate forest office and then have them endorsed on payment of the fee due thereon. He shall then be permitted to lift the forest products.

In case in the course of measurement and weighing under Sub-Rule (7) the forest product is found to exceed the quantity prescribed in Schedule 1 by a maximum of 10%, such excess timber shall be supplied on payment of the price specified in Schedule 5. In case the forest produce exceeds 10% of the quantity stipulated in Schedule 5, such excess timber shall be confiscated.

**Price To Be Paid For Forest Product Obtained According To Schedule 2**

Any person desirous of purchasing any forest product according to Schedule 2 shall submit an application therefor to the office of the empowered officer along with a fee of Rs 0.25.

The empowered officer shall conduct necessary inquiries in respect to the application submitted under Sub-Rule (1), and then supply the forest product(s) applied for on payment of the price thereof.

Contd..
7. Collection and Export of Herbs and Drugs

(1) Any person desiring to collect and export herbs and drugs as mentioned in Schedule 3 from any forest area shall submit an application therefor to the office of the empowered officer, indicating the category and quantity of such herbs and drugs sought.

(2) The empowered officer shall conduct necessary inquiries in respect to the application submitted under Sub-rule (1). He may then issue a permit for the collection and export of herbs and drugs from any forest area, specifying the category, quantity, and value of such herbs and drugs on payment of the price thereof as indicated in Schedule 3.

(3) In case any person wants to export to foreign countries herbs and drugs collected and brought by him from any forest area under Sub-rule (2), the empowered officer shall make a recommendation to the appropriate customs office for the export of such herbs and drugs on payment of customs duty according to law.

C. Sale of Logs (Balla-Felli)

His Majesty's Government may, if it so desires, sell logs (Balla-Felli) at the prices mentioned in Schedule L.

Sale of Forest Products for Personal (Domestic) Consumption or Trade

(1) Persons desiring to procure forest products for personal (domestic) consumption or trade shall submit an application therefor to the officer or the empowered officer. In case the empowered officer so deems appropriate, taking into consideration the quantity of dry wood available in the appropriate forest area, as well as the needs of the inhabitants thereof, he may supply a maximum of 500 cubic feet of dry wood in one lot on payment of Rs. 5/- as permit fee, in addition to the price indicated in the Schedule.

(2) Only timber procured from the following forest areas under Sub-Rule (1) shall be allowed to be exported to foreign countries:

(a) Forest areas of Morang and Sunsari districts,

(b) Forest areas of Nawal-Farsa district, and

(c) Forest areas of Bardiya, Kailali and Kanchanpur districts.

Contd...
(3) 1/9 of the price payable according to the Schedule shall be paid in
advance while obtaining permits for forest products under Sub-rule
(1). The balance shall be paid before obtaining the release permit
after the timber has been measured and weighed. The price paid in
this manner shall be ipso facto forfeited in case the timber is not
felled, stacked and exported within the time-limit stipulated for
the purpose.

Sale of Forest Products Required For Public Development Purposes

(1) The empowered officer may supply forest products according to need on
the recommendation of a board constituted by His Majesty's Government
for public development works to be undertaken at the district level.
Such supplies may be made at prices indicated in the Schedule or as
fixed after valuation, in the form of dry wood, or from marked forest
lots, or timber to be obtained through cultural operations, or from
reclaimed forest areas, or forest areas to be reclaimed under a
settlement project.

(2) The price of the forest products to be procured under Sub-rule (1)
shall be settled by the appropriate Ministry, Department, office or
individual before actually obtaining such products.

(3) Demand for forest products under Sub-rule (1) shall be made from the
office of the empowered officer before the end of the month of March
(December 1st) every fiscal year.

Sale of Forest Products To Projects To Be Operated By His Majesty's
Government Or With Foreign Aid

(1) Priority shall be given to different projects to be operated by His
Majesty's Government or with foreign aid while selling forest products
in the form of dry wood or from marked forest lots, or timber obtained
from reclaimed forest areas and forest areas to be reclaimed under
settlement projects depending on the circumstances. In case dry wood
is to be supplied, the price thereof shall be as indicated in Schedule
5. In the case of marked forest lots, prices as determined after valuation
thereof shall be charged, and such wood or lot shall be sold by
His Majesty's Government or the officer empowered by it for this
purpose. In case forest products are not sought from marked forest lots,
these shall be procured from local saw mills, which shall give priority
to such projects while selling timber.

(2) Demand for forest products required for projects mentioned in Sub-
rule (1) during the next fiscal year shall be made by the appropriate
Ministry, Department or office from the office of the Chief Conservator

Contd...
of forests in the Ministry or Forests of His Majesty's Government, before the last day of the month of Karza (December 11) of the current fiscal year. The appropriate Ministry or Department shall make budget arrangements for payment and make payment at the office of the Chief Conservator of Forests in the Ministry of Forests, or at the prescribed office.

17. Sale of Forest Products To Industrial Enterprises Based Primarily On Forest Products

His Majesty's Government or the officer empowered by it may give priority to the Timber Corporation, saw mills, catechu factories, match factories, and similar other industrial concerns in the allotment of marked forest lots in the course of the sale of forest products, and sell the same at prices determined through evaluation thereof.

18. Fuelwood To Be Sold To Fuel Corporation

(1) His Majesty's Government or the officer empowered by it may sell fuelwood to the Fuel Corporation at the price mentioned in Schedule 2.

(2) The Fuel Corporation shall make demands for fuelwood required for the next fiscal year to the Forest Department in the Ministry of Forests of His Majesty's Government before the last day of the month of Paush (January 13) of the current fiscal year.

(3) In the event of demands being made under Sub-Rule (2), the Forest Department in the Ministry of Forests of His Majesty's Government shall send a notice to the Fuel Corporation before the last day of the month of Chaitra (April 12) of the current fiscal year, specifying the place where fuelwood is to be delivered, and the quantity thereof.

14. Contracts

(1) His Majesty's Government or the officer empowered by it may sell forest products for purposes mentioned in Rules 11, 12 and 13 on the basis of a contract.

(2) In circumstances other than those mentioned in Sub-Rule (1) also, His Majesty's Government may sell or supply forest products on the basis of a contract.
1. Any person who procures timber or fuelwood shall do so from stocks of dry wood. Such timber or fuelwood shall be procured only after having it measured or weighed and marked with the official seal through the empowered officer.

In case dry wood is not available in hilly forest areas, green trees as marked by the empowered officer with a seal shall be procured in accordance with the procedure mentioned in Sub-Rule (1). But the trees shall only be marked if no seal is available.

Pasturage

In case any person desires to graze any animal in forests, he may file an application along with a fee of Rs 0.25 at the office of the empowered officer, and in case the empowered officer deems it appropriate to allow the applicant to do so, he may issue a permit for pasturage on payment of pasturage fees as indicated in Schedule C in respect to the animals mentioned therein.

Free Supply of Fuelwood or Timber for Traditional Religious Functions

Notwithstanding anything contained in these rules, the empowered officer may issue permits without charging any fee or price for the supply of a reasonable quantity of fuelwood or timber for the purpose of any religious function other than construction of rest-houses or road-side shelters.

Period During Which Permits Are To Be Issued And Time-Limit For Export

(1) In the case of districts mentioned in Schedule 7, permits shall be issued during the period from Falgun (February 13) to Bhadra (September 15), and in other districts from Kartik (October 17) to Jyestha (June 15).

(2) The forest products mentioned in the permit shall be exported within 2 months from the date when the permit is obtained of this period, 45 days shall be spent for bringing forest products from the forest area to the ferry-post or depot and 15 days for exporting them.

(3) In case any person obtaining a permit for forest products other than fuelwood and building timber fails to lift the same within the time-limit indicated in Sub-Rule (2), the empowered officer may extend it by a maximum of 1 month.

Contd...
Notwithstanding anything contained in Sub-Rule (2), the time-limit for the felling and export of forest products to be sold on the basis of a contract as mentioned in Rule 11 shall be as stipulated therein.

Permits for pasturage and collection of herbs and drugs may be issued throughout the year.

Procedure Of Measuring Timber, Calculating Volume And Evaluating Timber

(1) The volume of timber shall be determined according to Schedule 8.

(2) Timber shall be evaluated by multiplying the volume as determined under Sub-Rule (1) by the price indicated in Schedule 2 and 5.

(3) In case a forest is damaged and only stump is left, so that timber cannot be traced, the value thereof shall be determined by multiplying the volume calculated under Sub-Rule (1) by the price as indicated in Schedule 5.

Compliance With Directives Issued By Chief Conservator

It shall be the duty of the empowered officer to comply with the directives issued by Chief Conservator subject to the Act and these rules.

The 1961 Forest Products (Sale and Distribution) Rules have been repealed. But in the case of sale agreements concluded and orders issued thereunder, action shall be taken accordingly until their time-limit expires.

Schedule 1
(Pertaining To Rule 5)

Timber of the following categories other than Champ (Michedia Sp.), Okhar (Juglans Regia), Sisau (Dalbergia Sissoo), Dar (Bombesia Regulusa), Satal (Dalbergia Latifolia), Asna and Khair (Acacia Catechu), shall be supplied for construction of buildings 25 feet long and 15 feet wide with walls of thatch, mud, stone or bricks at places other than those situated, in Town Panchayat areas.

<table>
<thead>
<tr>
<th>Building Timber</th>
<th>Maximum Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sakhu or Salla (spinus spruce)</td>
<td>50 cubic feet</td>
</tr>
<tr>
<td>2. Other categories</td>
<td>75 cubic feet</td>
</tr>
<tr>
<td></td>
<td>Contd...</td>
</tr>
<tr>
<td>Item</td>
<td>One-man load</td>
</tr>
<tr>
<td>-----------------------</td>
<td>--------------</td>
</tr>
<tr>
<td>Cane</td>
<td>Rs 5.00</td>
</tr>
<tr>
<td>Sava (orchid)</td>
<td>Rs 4.00</td>
</tr>
<tr>
<td>Bankas (Sait)</td>
<td>Rs 2.00</td>
</tr>
<tr>
<td>Khar grass</td>
<td>Free</td>
</tr>
<tr>
<td>Mangwi</td>
<td>Rs 1.00</td>
</tr>
</tbody>
</table>

Provided that:

In case fuelwood is transported cart through cart for commercial purposes, Rs 5.00 per cart-load shall be charged:

<table>
<thead>
<tr>
<th>Item</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bamboo</td>
<td>Rs 0.50 each</td>
</tr>
<tr>
<td>Limestone</td>
<td>Rs 5.00 per 100 cft.</td>
</tr>
<tr>
<td>Gravel, sand</td>
<td>Rs 2.00 per 100 cft.</td>
</tr>
<tr>
<td>Paving stones</td>
<td>Rs 5.00 per 100 cft.</td>
</tr>
<tr>
<td>Ordinary stones</td>
<td>Rs 3.00 per 100 cft.</td>
</tr>
<tr>
<td>Charcoal</td>
<td>Rs 3.00 per maund</td>
</tr>
<tr>
<td>Slate</td>
<td>Rs 5.00 per sq.ft.</td>
</tr>
<tr>
<td>Set Maruwa</td>
<td>Rs 1.00 per man-load, Rs 5.00 per cart-load and Rs 30.00 per truck load.</td>
</tr>
</tbody>
</table>

*cont'd*
15. Pine resin

16. Bark of Bhorla

- Bhanglihi, Kundum, pine gum and
  kumarica

Name of Herb or Drug | Price Per Kilogram
---------------------|---------------------
*Panchaunla* Orchio Incarnata | Rs
*Pachuli* | Rs 8.00
*Carpagandha* (Rauwolfia serpentina) | Rs

1. Pipala (Piper longum), Apana,
   Honey, Chilajit, Bohindi (Goynd.
   febrifuga), Kabela.

2. Laghupatra

3. Pipali, Bishana, Atis (aconitum
   heterophyllum), wax

4. Timbur (zanthoxylum alatum),
   Sugandhchal (valiriana wallichi)
   Jatamansi (Nardostachya Jatamansi)
   Mirbisi (aconitum Jaduar),
   Garamol (Pristynus Orchidus)

5. Hajarhita (Rubia cordifolia),
   Sugandhakolina, Nepali cinnamon
   bark, Si ...II, Satawari
   (Asparagus officinalis),
   Padmachal (Rheum Emodi), Biroja,
   Kakrasari, Tejpat (bay) leaves
   (cinnamomum tamala), Kudki
   (Gentina Kuroo)

6. Balchhal, soap-nut (Rittha

Contd...
10. Chirite leaves, Chirite leaves (Asparagus),
Kangkera, Chhatkaiya, Gauji (Calotropis gigantea), Bhring (Taraxaci
detil), Loham, Harra, Seed
Curdle (Amoeba), Malai, Chah
Rhizoma (Amoeba), Malai, Malai (Amoeba)
Chiron (Malai), Seed, Pearl
leaves, Chah, Loham, Detil, Halim.
Rs .12

11. Rodhos, Lichen, Lichen,
Kusali (Sesamum), Kauli
(Sesamum), Kauli,
Bhutakesh (Selinum
temuliferum), Bhrinj
(Sesamum), Kauli
leaves, Malai, Malai, Bhrinj
leaves, Chah, Loham, Detil.
Rs 3.00

12. Banphiyar bark, Amalbed, Cham-
pavati, Kasali (Asparagus),
Sotakachini, Talispatha, Shauka-
thalaka, Falah Marka, Maru,
Bikh, Bhupatra, (Birchbirk),
Kajjhipatni (Casimia fistula),
Tiranti (sesamum bispinosum),
Digitalis (Digitalis purpurea),
Malai, Bhrinj, Malai (myroculum)
Rs 0.08

13. Bhutakesh (Selinum temuliferum),
Suranawaita, Phalae (Simicarpus
anacardium), Dhawatmul, Kupali tea,
Tibetan tea, Pawan bark, Asuro,
Palmon bark, Kasali, Dhatuo,
Radampushkar, Smol down
Rs 0.06

14. Chiuri fruits
Rs 0.10

15. Seeds of (Sal, usana etc.)
Rs 0.10

Contd...
<table>
<thead>
<tr>
<th>Category</th>
<th>Diameter of Timber</th>
<th>Diameter of Timber</th>
<th>Diameter of Timber</th>
<th>Diameter of Timber</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>5.0 inches to 6.9 inches</td>
<td>6.9 inches to 9.0 inches</td>
<td>9.0 inches to 10.9 inches</td>
<td>10.9 inches to 12.0 inches</td>
</tr>
<tr>
<td>Dönü (Shorea robusta),</td>
<td>Rs 3.00</td>
<td>Rs 5.00</td>
<td>Rs 8.00</td>
<td>Rs 12.00</td>
</tr>
<tr>
<td>Champa (Michelia linn.),</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Sisiu (Dalterga Sissoo)</td>
<td>Rs 2.00</td>
<td>Rs 4.00</td>
<td>Rs 7.00</td>
<td>Rs 10.00</td>
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<tr>
<td>Deder (Cedrus deodara),</td>
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<tr>
<td>Arana, Gama,</td>
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<tr>
<td>Dhari (Gmelina arborea),</td>
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<tr>
<td>Saur (Betula alboflora),</td>
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<tr>
<td>Salla (Pinus sp.) of all varieties,</td>
<td>Rs 1.00</td>
<td>Rs 3.00</td>
<td>Rs 4.00</td>
<td>Rs 6.00</td>
</tr>
<tr>
<td>Chilame (Schima wallichii),</td>
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<tr>
<td>Eptus (Cas-</td>
<td></td>
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<tr>
<td>Stonea Sativa),</td>
<td></td>
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<tr>
<td>Karma (Adina Cordifolia),</td>
<td></td>
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</tr>
<tr>
<td>Uttar (Alnus nepalensis),</td>
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</tr>
<tr>
<td>Isphus, Jarnam (Eugenia Jaipolana),</td>
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<tr>
<td>Demal (Salmalia Malabarimum),</td>
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<tr>
<td>Sadan (Tougenia del bergoides),</td>
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<tr>
<td>Vijayal (Pterocarpus Marsupium),</td>
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<tr>
<td>Phaldu, Siris</td>
<td>Rs 1.00</td>
<td>Rs 3.00</td>
<td>Rs 4.00</td>
<td>Rs 6.00</td>
</tr>
</tbody>
</table>

Contd...
Standing trees are valued at a point 1½ feet above the ground.

La-balli (10 feet) will be valued on the basis of the prices stated above.

<table>
<thead>
<tr>
<th>Type of Timber</th>
<th>Per Cft Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kair (Acacia catechu)</td>
<td>Rs 6.00</td>
</tr>
<tr>
<td>Sissoo (Shorea Robusta)</td>
<td>Rs 4.00</td>
</tr>
<tr>
<td>Jumun (Eugenia Janpolana), Korma (Haldu), Chilaune (Schima Wallichii), Siris, Phalda, Sandan (Ougenia delbergoides) and Saur (Betula alnoides)</td>
<td>Rs 2.00</td>
</tr>
<tr>
<td>Salla (spinus spruce) of all varieties</td>
<td>Rs 2.00</td>
</tr>
<tr>
<td>Bandar (Cedrus deodam)</td>
<td>Rs 2.00</td>
</tr>
<tr>
<td>Gum and Gatet</td>
<td>Rs 2.00</td>
</tr>
</tbody>
</table>

Contd...
Pertaining to Rule 1-

Schedule 6
Pertaining to Rule 1-

<table>
<thead>
<tr>
<th>Animal</th>
<th>For 1 Year</th>
<th>For 6 months</th>
<th>For 3 Months</th>
</tr>
</thead>
<tbody>
<tr>
<td>leopards or camels</td>
<td>Rs</td>
<td>Rs 26.00</td>
<td>Rs 14.00</td>
</tr>
<tr>
<td>Buffaloes and horses, if their number exceeds 3</td>
<td>Rs 12.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Asses and yaks, if their number exceeds 3</td>
<td>Rs 6.00</td>
<td>Rs 5.00</td>
<td>Rs 3.00</td>
</tr>
<tr>
<td>Cows, oxen or similar other animals</td>
<td>Free</td>
<td>Free</td>
<td>Free</td>
</tr>
<tr>
<td>Sheep, goats or similar other animals, if their total number exceeds 10</td>
<td>Rs 0.10 each</td>
<td>Rs 0.06 each</td>
<td>Rs 0.04 each</td>
</tr>
</tbody>
</table>

Provided that:-

1. Only animals belonging to Nepali citizens shall be permitted to graze in forest areas.
2. Pasturage facilities shall not be permitted in Royal Hunting Preserves.
3. For the purpose of this Schedule, animals shall be counted on the basis of each household.

Contd...
Measurement, calculation of volume and evaluation of timber shall be made on the basis of the following criteria:

Procedure of Classifying Timber And Calculating The Volume Thereof

1. For the purpose of calculating the volume, timber shall be measured with a diameter tape up to 1 decimal (1.10) inch, at a height of 4½ feet above the ground.

The total height of the tree shall be calculated up to the last foot from Avery's (?) table.

3) Timber of categories other than Khair (Acacia catechu) having a diameter of 11 or more inches at a point 4½ above the ground shall be classified as follows:

Class I: Trees which are green, are dead or are on the point of death, are standing or fallen, have a solid body and have no visible disease or scar of injury.

Class II: Trees which are green, dead or on the point of death, are standing or fallen, with scabs of ghogar, or any other defect, so that it is possible to get the full volume of timber, and it is possible to make 2 straight logs with a length of at least 6 feet from one 10-ft. straight log, having a maximum diameter of 10 inches.

Class III: All other categories of timber not indicated in Class I and Class II.

4) Timber which has a maximum diameter of 5 to 11 inches at a point 4½ feet above the ground shall be regarded as Halla-balli. Such timber has been classified as follows:

Contd...
(1) Timber with a diameter of 5.0 inches to 6.9 inches, irrespective of the length.

(2) Timber with a diameter of 7.0 inches to 7.9 inches.

(3) Timber with a diameter of 6.0 inches to 6.9 inches.

(4) Timber with a diameter of 9.0 inches to 9.9 inches.

(5) Timber with a diameter of less than 5 inches shall not be recorded.

(6) The volume of timber of Class I and II categories shall be calculated up to 8 inch top diameter; in the case of timber of Class III category, this shall be done up to 4 inch top diameter, on the basis of the local volume charts.

(7) The volume calculated by multiplying the gross volume of Class I as determined under (6) (for the purpose of conversion into quarter-girth) by 0.7854 shall be deemed to be the net volume. The portion of the Class II timber up to the top with 8-inch diameter which cannot be used as timber and the useless portion of the external and internal parts, as well as the portion not coming within measurement in the course of the conversion of the volume into quarter-girth measurement, shall be ignored. The volume calculated on the basis of Section 6 shall accordingly be multiplied by 0.6006. The volume so determined shall be deemed to the net volume of timber.

(8) In the case of Khair (Acacia catechu timber), the volume shall be calculated up to the 4-inch top diameter on the basis of the local volume chart. This figure shall be as the net volume.

(9) The entire wood of Class 3 which is less than 4 inches in diameter, and wood of Classes 1 and 2 which is less than 4 inches in diameter and is not fit to be used as timber shall be calculated according to the following formula for being stacked as fuelwood:

\[
\text{Fuelwood Stack} = \frac{0.8778a^1 + 1.1516a^2 + 3a^3}{1000}
\]

Where:

- \(a^1\) is the gross volume of timber of Class I up to 8-inch top.
- \(a^2\) is the gross volume of timber of Class 2 up to 8-inch top.
- \(a^3\) is the gross volume of timber of Class 3 up to 4-inch top.

Conti...
(b) Decayed and hollow portions shall be ignored for purposes of measurement. The volume of such decayed and hollow portions shall be calculated as follows for determining the net volume:

(1) In the case of round logs which are hollow or decayed only on one side, measurement shall be made as follows and the volume calculated thereof shall be deducted from the total volume:

(a) The maximum square section at one end of the timber shall first be estimated. The total circumference shall be divided by 10 and then multiplied by 2. The product represents one side of the square.

(b) If the hole lies fully within the square section, its length and breadth shall be measured and 1 inch shall be added to each of these figures.

(c) The figures of the two sides obtained under (b) shall be multiplied to calculate the cross sectional area.

(d) The total sectional area obtained under (c) shall be multiplied by the length of the hole to determine the volume thereof.

(e) In case the square section estimated under (a) falls within a portion of the hole, the side of the hole adjoining the square should be reduced by 1 inch; while the other side within the section should be reduced by ½ inch. The figures of the two sides calculated in this manner shall be multiplied to determine the cross sectional area. This area shall be multiplied by the length of the hole to determine the volume thereof.

(f) In case the hole lies outside the square section estimated under (a), its volume need not be deducted from the total volume of the timber.

(2) In case a log is hollow at both ends, its sides at both ends shall be measured within the square section estimated under (a). Such portion as needs to be added according to its location inside or outside the square section shall be added. The cross section shall be determined on the basis of the average of similar sides and then multiplied by the length of the hole to determine the volume thereof. The volume of the hole thus determined shall be deducted from the total volume of the timber to determine the net volume.

(c) In case the forest is damaged and only stumps are left, so that the timber cannot be traced, the volume thereof shall be calculated on the basis of the categories and sizes of timber indicated in the following chart, and the value of the volume thus calculated shall be determined by multiplying it by the price of timber as indicated in Schedule 5.

Contd...
### Chart for Calculating the Volume of Timber from Stamps

**Circumference of the Body Under the Bark at a Point 1 Foot Above the Ground**

<table>
<thead>
<tr>
<th>Circumference of Body (ft)</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9-10</th>
<th>11-12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Less than 5 ft.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5 ft.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6 ft.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7 ft.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8 ft.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9 ft.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10 ft.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11 ft.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12 ft.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Diameter (in)</th>
<th>1</th>
<th>6</th>
<th>12</th>
<th>18</th>
<th>24</th>
<th>30</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 ft.</td>
<td>10</td>
<td>17</td>
<td>27</td>
<td>40</td>
<td>57</td>
<td>70</td>
</tr>
<tr>
<td>2 ft.</td>
<td>12</td>
<td>21</td>
<td>34</td>
<td>54</td>
<td>77</td>
<td>102</td>
</tr>
<tr>
<td>3 ft.</td>
<td>15</td>
<td>26</td>
<td>40</td>
<td>64</td>
<td>96</td>
<td>128</td>
</tr>
<tr>
<td>4 ft.</td>
<td>18</td>
<td>30</td>
<td>45</td>
<td>70</td>
<td>102</td>
<td>134</td>
</tr>
<tr>
<td>5 ft.</td>
<td>21</td>
<td>35</td>
<td>52</td>
<td>80</td>
<td>112</td>
<td>148</td>
</tr>
<tr>
<td>6 ft.</td>
<td>24</td>
<td>39</td>
<td>60</td>
<td>90</td>
<td>125</td>
<td>165</td>
</tr>
</tbody>
</table>

**Volume (ft³) for Various Diameters**

<table>
<thead>
<tr>
<th>Diameter (in)</th>
<th>1</th>
<th>6</th>
<th>12</th>
<th>18</th>
<th>24</th>
<th>30</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 ft.</td>
<td>1</td>
<td>6</td>
<td>12</td>
<td>18</td>
<td>24</td>
<td>30</td>
</tr>
<tr>
<td>2 ft.</td>
<td>2</td>
<td>12</td>
<td>21</td>
<td>34</td>
<td>54</td>
<td>70</td>
</tr>
<tr>
<td>3 ft.</td>
<td>3</td>
<td>21</td>
<td>34</td>
<td>54</td>
<td>77</td>
<td>102</td>
</tr>
<tr>
<td>4 ft.</td>
<td>4</td>
<td>34</td>
<td>54</td>
<td>77</td>
<td>102</td>
<td>134</td>
</tr>
<tr>
<td>5 ft.</td>
<td>5</td>
<td>54</td>
<td>77</td>
<td>102</td>
<td>134</td>
<td>168</td>
</tr>
<tr>
<td>6 ft.</td>
<td>6</td>
<td>77</td>
<td>102</td>
<td>134</td>
<td>168</td>
<td>204</td>
</tr>
</tbody>
</table>

**Volume (ft³) for Various Circumferences**

<table>
<thead>
<tr>
<th>Circumference (ft)</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9-10</th>
<th>11-12</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 ft.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2 ft.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3 ft.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4 ft.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5 ft.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6 ft.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7 ft.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8 ft.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Contd...**
(d) While calculating the value of sawn timber, the volume thereof shall be multiplied by 1.1, and the product shall be multiplied by the price as indicated in Schedule 5.

By order,

Prayag Raj Pande,
Secretary to HMG.