

DRAFT

Uttarakhand Establishment and Regulation of Wood Based Industries, Rules, 2018.

In exercise of the powers under clause (a) of Section 51-A of the Indian Forest Act, 1927 (Act No. XVI of 1927), the Governor is pleased to make the following Rules, namely :

1. Short title, extent and commencement. - (1) These Rules may be called the Uttarakhand Establishment and Regulation of Wood Based Industries, Rules, 2018.

(2) They shall extend to whole of Uttarakhand.

(3) They shall come into force with effect from the date of their publication in the Official Gazette.

2. Definitions. - In these Rules, unless the context otherwise requires,-

(a) **'ABS'** means Access and Benefit Sharing mechanism as per the Biodiveristy Act 2002 and prescribed under various rules and notifications made from time to time, by the Central or State Government, under the aforesaid Act.

(b) **'Cluster of industries'** means a group of two or more industries in a limited area as notified by the State Government.

(c) **'Industrial Estate'** means areas notified by the State Government or Union territory Administration for establishment of industries.

(d) **'License'** means a license granted under rule 5 of this regulation.

(e) **'Notified Forest'** means any forest area notified under the provisions of Indian Forest Act 1927 or Uttar Pradesh Private Forests Act and also includes forests vested under the UPZALR Act or KUZA Act, but does not include row plantations on both sides of roads and railway lines.

(f) **'Log'** means a piece of wood in its natural form, having under bark mid girth of thirty centimetre or more and it includes such log even after its bark has been removed or its surface has been dressed, manually or by using a band saw or any other machine or equipment to make its cross section square or near-square for the purpose of ease in its transportation and/or storage.

(g) **'Protected Area'** means any area notified under the Wildlife Protection Act 1972.

(h) **'Principal Chief Conservator of Forests'** means a Forest Officer of the rank of Principal Chief Conservator of Forests in a State/UT and it also includes an officer designated as Head of Forest Department in State/UT where no post in the rank of Principal Chief Conservator of Forests exists.

(i) Municipal area means any area notified by the State Government as a Metro city, Municipal Corporation, Municipality, Nagar Panchayat or as any other category of urban area.

(j) '**Saw**' means any fixed mechanical device installed for the purpose of converting logs into sawn wood or converting logs or sawn wood or other wood into various other forms, but will not include any handheld equipment for sawing of wood.

(k) '**Sawn wood**' means beams, scantlings, planks, battens and such other product obtained from sawing of a log.

(l) '**State Level Committee**' means a committee constituted by the State Government under Para 3(2) of these guidelines.

(m) '**Wood based industries**' means any industry or processing unit whose primary raw material is wood or wood based products including round or sawn wood, softwood, pulpwood, plywood, veneers, wood chips, pulp, but does not include bamboos and their products. It includes Saw mills, plywood industries, Medium density particle board industries, Pulp and paper industries, furniture units, wooden handicraft units, sandalwood oil units, katha manufacturing units, etc. but does not include units of domestic carpentry.

(n) '**Year**' means a financial year from 1st day of April to 31st day of March of the following year.

Words and expressions used but not defined under these guidelines and defined in the Indian Forest Act, 1927 or the relevant local Forest Act as applicable in a State, and the rules framed thereunder shall have the meaning assigned to them in such Act or Rules.

3. Prohibition of setting up of Wood based industries:

(1) No wood based industries shall be established or permitted to be established

(a) within a notified forest or protected area.

(b) within any demarcated revenue village (chaks) mentioned in the Reserved Forest notifications

(2) No new saw mills shall be established or permitted to be established or translocated within 10 km aerial distance of any notified forest or protected area, unless such industry is to be established or translocated in a notified industrial area, municipal area or a recognized cluster of industries.

Provided, The State Level Committee for the reasons to be recorded in writing and after obtaining prior approval of the Central Government in the Ministry of Environment, Forest and Climate Change may permit to establish/operate a wood based industry at an aerial distance less than 10 kilometers from the boundary of a notified forest or a protected area.

4. Registration of Wood-based industries

- (1) All Wood-based industries shall be registered with the Forest Department. All such existing industries on the date of this notification shall do so within 6 months of this notification. All such new industries shall register within three months of their establishment, but before commencement of their operations.
- (2) Applications for such registration shall be made in the form prescribed in **Annexure 1**, either online or offline to be submitted to the concerned Divisional Forest Officer having jurisdiction over the location of the industry.
- (3) Registration of such industries shall not be denied unless it is prohibited under section 3 above.
- (4) If the registration form reveals the non-compliance of any mandatory provisions of any other Act for the time being in force like the Air Act, Water Act, Biodiversity Act, Environmental Protection Act, etc., the DFO shall intimate the concerned officers regarding the non-compliance of the same, who shall take steps for ensuring compliance of such provisions and the industry may be subject to regulations/action by such competent authorities under the concerned Acts.
- (5) The registration of an industry does not imply that it is compliant to all Acts, but is a mere documentation of the details of a particular industry.
- (6) Every application for registration will be charged a non-refundable nominal fee of Rupees two thousand plus taxes applicable, which may be revised every three years by the State Government, by a rate not exceeding 25% of the previous rates. Provided that if any such industry fails to register within the time period mentioned in sub section (1) above, the rates would be doubled for every six months delay.
- (7) The DFO shall issue a Registration certificate, in the name of the industry assigning it a unique registration number, in the form prescribed in **Annexure 2**
- (8) Any change in the details of registration like the change of name of proprietor or managing director, address, capacity, source of wood, species used, increase in capacity, etc. shall be made by the industry by applying online/offline within one month of such change., which may be accepted by the Divisional Forest Officer within

one month of such application. However, the name of the Industry and unique registration number shall not be changed. In case, the name of the industry requires to be changed, then the old registration needs to be cancelled and a fresh registration of the newly named industry need to be applied for.

5. Licence for Wood Based Industries:

- (1) All Wood based industries using a band saw or a re-saw or a round saw of 30cm diameter or more for conversion of logs of species listed in the **Schedule I** to these rules, shall require a license, for which they may prefer an application to the Divisional Forest Officer in the form prescribed in **Annexure 3** and also upload the application online. Provided that the State Government, by notification, may, if required, revise the list of species in Schedule I on the recommendation of the SLC.
- (2) Every application for license shall be charged a one-time fee of Rs. 1.25 lakhs per unit of saw plus taxes applicable. Provided that the State Government, may, if required revise the aforesaid fees once every three years, but at a rate not exceeding 50% of the previous rates.
- (3) A license shall be issued in the name of the industry at a specified location and for a specified capacity and will be valid unless the license is suspended as provided in section 5(11) or cancelled as provided in section 5(4) or surrendered by the industry.
- (4) Any change in the name of the industry, ownership of the industry, location or capacity will require a fresh license and the previous licenses issued would stand cancelled. All such applications also will be charged a one-time fee as provided in section 5(2) above. However, in case of increase in capacity by addition of saw units, the fee will be required to be paid only for the additional saw units in the industry. Provided, this will not apply to change in the managing director of the industry unless such change is attributed to change in ownership of the industry.
- (5) On receipt of an application under Rule 5(2), the Divisional Forest Officer shall acknowledge the same and thereafter shall make such enquiries as he may deem fit and after satisfying himself with regard to following factors, shall forward the application online, within 60 days, to the SLC with his comments:

- (i) that the required quantity of timber obtained through legitimate means would be available at the proposed venue of the industry without causing any damage to the tree-growth in the notified forests in the vicinity;
- (ii) that the applicant has acquired or is in a position to acquire necessary area for installing and running a wood based industry in accordance with the conditions specified in the licence;
- (iii) that the necessary machinery, power etc., is available or is likely to be available to the applicant;
- (iv) that the applicant has obtained or applied for a "Consent to Establish" from the Uttarakhand State Pollution Control Board.

Provided that if the Divisional Forest Officer fails to upload his recommendations online within 60 days time, the application shall automatically be transferred online to the SLC and the decision of the SLC shall be binding on the Divisional Forest Officer.

- (6) The Divisional Forest Officer shall, after obtaining prior approval of the State Level Committee for Wood based industries, be the competent authority to issue the license.
- (7) Every such license shall be issued in the form prescribed in **Annexure 4**
- (8) In case a license is not approved by the SLC and the industry applies for refund of the fees charged, the fees charged excluding the taxes shall be refunded and the industry will not be allowed to operate as such. However, the fees shall not be refunded in case of suspension/revoke or cancellation of licenses.
- (9) Any change in the name of the Managing director of the Company not attributable to the change in ownership shall be informed within one month of such change to the Divisional Forest Officer, who would then reissue the license, free of cost, with the changed details.
- (10) Conditions on grant of license: Every licensee shall ensure that-
 - a. The industry shall maintain prescribed standards of pollution free atmosphere and ensure that a vacuum based system is installed to suck all the saw dust from

the cutting edge of the saw at the time of its operation and collect and dispose them in a proper manner so that there is no dust pollution and that the saw mill is enclosed by a suitable tall enclosure to reduce the sound pollution in the surrounding area within prescribed decibel limits and also install devices to monitor sound and dust pollution in the premises.

- b. The site of the saw-mill including the yard for storage of round timber, sawn timber and waste wood is enclosed within a fence fitted with proper gates.
- c. All the round timber, sawn timber and wood-waste is properly stocked according to the instructions that may be issued from time to time by the Divisional Forest Officer or the staff authorised by him in this behalf.
- d. Timber for sawing or conversion is not accepted unless it bears property marks and is covered by a forest transit pass or other documentary evidence such as receipt from the timber merchant or any other seller thereof and information regarding any such timber which does not conform to the aforesaid requirement is provided in writing in respect to any forest staff available or to the nearest Forest Officer within reasonable time.
- e. The saw-mill as well as the timber stored within the premises of the saw-mill and records thereof are open to inspection at all times by any officer of the Forest Department or any member of the forest staff appointed for this purpose or by any police officer not below the rank of Sub-Inspector of Police or by any Magistrate.
- f. The licensee shall maintain and regularly update such register and records and submit such returns as may be directed, in writing, by the Divisional Forest Officer and when required produce them for inspection by any officer or member of staff of Forest Department.
- g. The licence and all relevant records are produced for inspection on demand by any of the authorities mentioned in (e.) above;
- h. the industry does not violate and ensure compliance of any other law in force including maintaining standards of labour welfare, health and safety.

(11) The Divisional Forest Officer, where he has reason to believe that a licensee is operating the saw-mill in contravention of the provisions of these Rules or conditions of license or the licensee is indulging in activities prejudicial to the interests of forest conservancy, at any time, after giving the licensee, an opportunity of being heard, may with reasons in writing suspend a license. He shall inform the SLC about such suspension of license and after the approval of SLC, may also revoke the license.

(12) An appeal against the order of the Divisional Forest Officer suspending a license shall lie with the Conservator of Forests till a period of 30 days from the date of such suspension after which the decision of the State Level Committee shall be final.

6. State Level Committee :

(1) The State Level Committee shall consist of the following:

a)	Principal Chief Conservator of Forests/Head of Forest Force	Chairperson
b)	A representative of the Regional Office of the Ministry of Environment, Forest and Climate Change, Dehradun	Member
c)	Representative of Secretary, Revenue, Govt of Uttarakhand	Member
d)	Representative of Secretary, Forests, Govt of Uttarakhand	Member
e)	Representative of the Uttarakhand Forest Development Corporation	Member
f)	Chief Conservator of Forests, Kumaon/Garhwal	Members
g)	Chief Conservator of Forests, Working Plan	Member
h)	Conservator of Forests, Shiwalik Circle/Western Circle	Members
i)	Director/Additional Director of Department of Industries.	Member
j)	Director, Agriculture or his representative	Member
k)	Chief Conservator of Forests, Forest Utilisation, NTFP and Livelihoods	Member Secretary

(a) The State Level Committee shall meet at least once in three months.

(b) The quorum of the State Level Committee meeting shall be at least six persons including the Chairman.

- (c) SLC will invite one representative of the industry nominated by the saw-mill association as special invitee to each and every meeting of the State Level Committee.

(2) Powers and functions of the State Level Committee.

The State Level Committee (SLC) shall:-

- (a) assess the availability of wood in the state by way of appropriate study on demand and supply as and when it decides. SLC shall devise suitable mechanism for sustainable use of timber in a way that does not affect the forests of the area adversely.
- (b) approve the name of wood based industries which may be considered for grant of fresh license or enhancement of the existing licensed capacity in case the SLC is satisfied that timber is available legally for the said new Wood Based Industries (such as Tree outside forest, Forests, indigenous wood from other states, wood imported from other countries, etc.). Requirement of wood based industries may be assessed/fixed by the SLC based on technical data or using the formulas given in **Annexure 5**.
- (c) manage and approve the utilization of the Uttarakhand State Fund for Wood Based Industries.
- (d) examine and make appropriate recommendations on any other matter referred by the State Government to the State Government or to the Ministry of Environment, Forest and Climate Change, Government of India.

(3) Appeal against the decision of the State Level Committee. (as provided in the guidelines notified by the Government of India)

- (i) Any person aggrieved by any decision taken by the State Level committee may file an appeal before the concerned regional Officer of the Central Government in the Ministry of Environment, Forest and Climate Change seeking appropriate relief within 60 day's time.
- (ii) Head of Regional Office shall within 60 days of filing the appeal pass the appropriate Order.

(iii) If, for any reason, any person is aggrieved by the orders so passed in the appeal, he may prefer an appropriate petition/application/appeal in the High Court having jurisdiction over the concerned State/UT.

7. Uttarakhand State Fund for Wood Based Industries

- (1) The Uttarakhand State Fund for Wood Based Industries, hereinafter called 'the fund' shall be established and maintained as an interest bearing account in the State Bank of India, which would be operated by the Member Secretary of the SLC, as per procedure and delegation prescribed by the SLC.
- (2) The fund shall be utilised only for the purpose of afforestation related activities and would include seed sowing, nursery raising, plantations, assisted natural regeneration, their protection and maintenance, purchase of materials, equipment, nursery infrastructure, logistic requirements, human resources and capacity building of human resources for the same. An amount not exceeding 5% of the fund approved every year shall be earmarked for administrative expenses of the SLC and for research on availability and consumption of timber and monitoring purposes of such afforestation activities,. An amount not exceeding 5% of the fund shall be earmarked for research activities related to certified seed production and quality planting material and an amount not exceeding 1% of the fund should be earmarked for contingencies. Provided that no funds shall be released unless each of such proposals and its Annual Plan of Operations is approved by the SLC.
- (3) The fund shall be credited with:
 - i. The amount already lying with the State Forest Department recovered from Wood Based Industries in the past
 - ii. All future fees and recoveries of penalties from Wood Based Industries
 - iii. The proceeds from the sale of nursery raised seedlings to the forest department or other government departments or to private persons or institutions for the purpose of afforestation
 - iv. The rent towards loaning of equipment and machinery for afforestation purposes
 - v. The proceeds of the sale of all wood and non wood produce from such afforestation raised in notified forests out of the aforesaid fund
 - vi. The proceeds of sale of other produce from native herbs and shrubs interplanted in such afforestation in notified forests out of the aforesaid fund.
 - vii. The carbon credits obtained from whomsoever from such plantations, in notified forests, raised out of the aforesaid fund
 - viii. Compensatory afforestation funds obtained in case of diversion of such plantation areas in notified forests for non-forestry activities.

- (4) The fund shall be audited by a Chartered Accountant to be appointed by the SLC.
- (5) The ownership of all assets and liabilities of the fund shall be with the Uttarakhand Forest Department
- (6) A sum of Rs. 1 crore shall be kept as a minimum corpus to be utilised as per future strategies.
- (7) The Divisional Forest Officers shall submit suitable proposals for utilisation of these funds through proper channel to the SLC.
- (8) The concerned Divisional Forest Officer shall submit the utilization certificate of the amount released from the fund every financial year to the SLC.
- (9) The general guidelines for utilisation of the fund for afforestation and allied activities shall be as follows:
 - i. The schedule of rates prevalent in the Uttarakhand Forest Department from time to time shall be used for preparing the estimates for the afforestation and allied activities as specified in sub rule 7(2) above.
 - ii. Exotic trees including teak shall not be planted in notified forest areas. However, seedlings/planting materials of exotic trees may be distributed to other parties for plantation on private lands.
 - iii. The afforestation areas in notified forests shall not be intercropped with agricultural or horticultural crops, however plantation of native species of herbs, shrubs, grasses, bamboos and climbers may be permitted.
 - iv. The afforestation in notified forests shall not be fenced in such a way as to cause hindrance to movement of wild animals and all fences should be removed after establishment of the plantation.
 - v. All afforestation areas shall be demarcated on the ground with boundary pillars and GPS readings of the boundary pillars and the .kml file of the boundary track shall be recorded and uploaded on GIS database of the forest department and on e-green watch portal. The comparative satellite imagery of various time periods before and after the plantation should also be documented as available from legitimate sources. Proper signages also should be established displaying the identity of the afforestation area.
 - vi. All the seeds for sowing or raising of seedlings in the nursery shall be certified and obtained from the Silviculturist, Uttarakhand only.
 - vii. All the quality planting material of clonal origin of pulpwood species raised in the nurseries shall be distributed to farmers only after they are certified by the Silviculturist, Uttarakhand.
 - viii. Nurseries should use the latest technologies and infrastructure available for nursery raising of planting material.

- ix. The rates of nursery planting material for distribution for afforestation shall be as per prevalent rates from time to time in the Uttarakhand Forest Department.
- x. No inorganic pesticides or fertilizers shall be applied to such afforestation in notified forest areas.
- xi. Existing native tree seedlings/coppiced stumps and native shrubs present in the selected plantation site shall not be cleared for planting new seedlings. However, Lantana bushes and teak seedlings/coppice shoots if any shall be uprooted without cutting their branches and taken outside the afforestation area.
- xii. The afforestation areas in notified forests should be under round the clock watch and ward till its proper establishment for which the services may be out-sourced to the local agencies like Van Panchayats, Mahila mangal dals, Yuva Mangal Dal, etc.
- xiii. Strict fire protection shall be undertaken and no controlled burning shall be carried out in the afforestation areas in notified forests.
- xiv. A plantation journal shall be maintained in the manner prevalent in the Uttarakhand Forest Department.
- xv. The regular monitoring of the afforestation and nurseries raised from the aforesaid fund shall be undertaken by the concerned Divisional Forest Officers, Conservator of Forests and Chief Conservator of Forests from time to time and appraise the report of the same to the SLC every year.
- xvi. The SLC may also undertake third party monitoring and evaluation of the works done.
- xvii. Special training programmes may be conducted for the officers and staff involved in the afforestation and allied activities for their capacity building and to update themselves with the latest techniques of afforestation, nursery raising and allied activities and shall also include exposure visits to local, national and international success stories and sites.
- xviii. Awards/prizes also may be instituted and awarded for exemplary performance of staff in these activities.

8. Records to be maintained by wood based industries.

- (1) Each wood based industry shall maintain and regularly update records as per the formats, which may be prescribed by the Uttarakhand Forest Department prepared in consultation with the SLC.

9. Penalties

- (1) Any contravention of these rules shall be liable to penalty/punishment prescribed under Sec 77A of the Indian Forest Act 1927. – (rule 26 and 28 of transit rules 2012 needs to be deleted)

10. Repeal and Savings

- (1) All existing licensed saw mills, requiring a license under these rules shall be deemed to have been granted license under these rules till the expiry of the time period of the existing license and shall, subject to the approval of the SLC, be eligible for further renewal of license after payment of the prescribed fees, irrespective of its location and distance from notified forests or protected areas,
- (2) Nothing contained in these Rules shall apply to the ordinary operations of domestic carpentry or to other similar works on small-scale.
- (3) The Uttar Pradesh Saw Mill Regulations 1978, as applicable to the State of Uttarakhand, hereby, stands repealed.

Schedule I [See Rule 5(1)]

List of trees for the use of logs of which Saw mills require a license

1. Chir Pine	– Pinus roxburghii
2. Deodar	– Cedrus deodara
3. Haldu	– Adina cordifolia
4. Sal	– Shorea robusta
5. Kail	– Pinus wallichiana
6. Khair	– Acacia catechu
7. Shisham	– Dalbergia sissoo
8. Sain/Asna	– Terminalia tomentosa
9. Silver Fir	– Abies pindrow
10. High altitude Fir	– Abies spectabilis
11. Spruce	– Picea smithiana
12. Siris (all species)	– Albizia spp.
13. Tansinh	– Tsuga dumosa
14. Walnut/Akhrot	– Juglans regia
15. Chamkharik	– Carpinus viminea
16. Kharik	– Celtis australis
17. Tun	– Toona ciliata
18. Darli	– Cedrella serrata
19. Jamun	– Syzigium cuminii
20. Utis	– Alnus nepalensis

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|------------------------|---------------------|
| 21. Semal | – Bombax malabarica |
| 22. Teak | – Tectona grandis |
| 23. Banj (all species) | - Quercus spp. |
| 24. Aam | - Mangifera indica |
| 25. Litchi | - Litchi chinensis |

Annexure 1 [See Rule 4(2)]

Form for application of Registration

To the Divisional Forest Officer

.....Forest Division,

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Subject: Application for registration of Wood based industries

Kindly register the following wood based industry as per details below:

Date of application:

Name of Industry:

Address:

GPS location: dd*mm'ss"

Whether notified industrial area: Yes/No

Whether municipal area: Yes/No

Distance from nearest notified forest/protected area

TAN/PAN of Industry:

Bank A/C no.:

Name of Bank:

IFSC code of Bank:

Name of Proprietor/Managing Director:

Aadhar no. of Proprietor/Managing Director:

Photo of Proprietor/Managing Director:

Date of establishment:

Registration number with Industries department:

Type of Wood Based Industry:

A.

B.

C.

Species of wood used:

Source of wood:

Installed capacity:

Equipments used:

Power consumption:

Products manufactured:

Average/Estimated annual consumption of wood (species wise)

Whether Access and Benefit Sharing agreement done with producer/State Biodiversity Board : Yes/No

Whether Consent to Establish and Consent to Operate granted by Uttarakhand State Pollution Control Board: Yes/No

Any other details:

Declaration: I Proprietor/Managing Director of, situated atdeclare that the aforesaid details are true to my knowledge and no information has been concealed from being disclosed.

Signature/Aadhar OTP verification

Annexure 2 [See Rule 4(7)]

Format for grant of Registration Certificate

(under rule 4(7) of Uttarakhand Establishment and Regulation of Wood Based Industries, Rules, 2018)

Unique Registration no.

Bar code:

Name of Industry:

Name of Proprietor/Managing Director:

Photograph:

Address:

GPS Location:

Registration no. with industries department

Type of Wood Based Industry:

Final products:

Species used:

Source of wood:

Equipments used:

Power consumption:

Installed capacity:

Average/Estimated annual production:

Electronic signature certificate of Registering Authority

Annexure 3 [See Rule 5(1)]

Form for application of License

To the Divisional Forest Officer

.....Forest Division,

Kindly issue/renew license for operation of saw mill in the following wood based industry as per details below:

Date of application:

Name of Industry:

Address:

GPS location: dd*mm'ss''

Whether notified industrial area: Yes/No

Whether municipal area: Yes/No

Distance from nearest notified forest/protected area

TAN/PAN of Industry:

Bank A/C no.:

Name of Bank:

IFSC code of Bank:

Name of Proprietor/Managing Director:

Aadhar no. of Proprietor/Managing Director:

Photo of Proprietor/Managing Director:

Date of establishment:

Registration number with Industries department:

Type of Wood Based Industry:

Species of wood used:

Type of wood used: Round/Sawn/Both

Source of wood:

Installed capacity:

Equipments used:

Power consumption:

Type of Saw used:

Dimensions of saw:

Products manufactured:

Average/Estimated annual consumption of wood (species wise)

Whether Access and Benefit Sharing agreement done with producer/State Biodiversity Board : Yes/No

Whether Consent to Establish and Consent to Operate granted by Uttarakhand State Pollution Control Board: Yes/No

Any other details:

Declaration: I Proprietor/Managing Director of, situated atdeclare that the aforesaid details are true to my knowledge and no information has been concealed from being disclosed.

Signature/Aadhar OTP verification

Annexure 4 [See Rule 5(6)]

Format for grant of License

LICENSE TO OPERATE SAW MILL (under rule 5(6) of Uttarakhand Establishment and Regulation of Wood Based Industries, Rules, 2018)

Licence is hereby granted to establish, erect and operate saw mill with the following description for the period fromto

License no.

Date of issue of license:

Bar Code:

Registration no. with Forest Department:

Registration no. with Industries Department:

Name of Industry:

Address:

GPS location: dd*mm'ss"

Name of Proprietor/Managing Director:

Aadhar no. of Proprietor/Managing Director:

Photo of Proprietor/Managing Director:

Date of establishment:

Type of Wood Based Industry:

Species of wood used:

Type of wood used: Round/Sawn/Both

Source of wood:

Installed capacity:

Equipments used:

Power consumption:

Type of Saw used:

Dimensions of saw:

Products manufactured:

Conditions: See Rule 5(11) of Uttarakhand Establishment and Regulation of Wood Based Industries, Rules, 2018.

Electronic signature certificate of Licensing Authority

Annexure 5 [See Rule 6(2)(b)]

1. Estimation of annual consumption of timber by Saw mills.

For the purpose of assessing the timber requirement of the Saw mills, they may be divided into:

(a) Saw mills upto 10 HP. (b) Saw mills between 10 and 20 HP. (c) Saw mills between 20 HP to 40 HP. (d) Saw mills between 40 to 60 HP and (e) Saw mills above 60 HP.

The annual requirement of round log for Saw mills of different capacities may be fixed by the committee based on the technical data or as per the formula given below

- a. Saw mills of 10 HP and below: 540 cu.mt. (base value)
- b. Saw mills between 10 to 20 HP: 810 cu.mt. (1.5 time the base value)
- c. Saw mills between 20 to 40 HP: 1080 cu.mt. (2 times of the base value)
- d. Saw mills between 40 to 60 HP: 1620 cu.mt. (3 times of the base value)
- e. Saw mills above 60 HP: 2160 cu.mt. (4 times the base value)

2. Estimation of Timber requirement by plywood and veneer industries

The Indian Plywood Industry Research and Training Institute (IPIRTI), Bangalore an autonomous body under the Ministry of Environment, Forest and Climate Change has assessed the timber requirement per unit for peeling length of 4 and 8 feet size in the plywood/veneer units as 5 cu.mt. and 11 cu.mt. respectively per day on an average of 8 working hours per day. By assuming that the peeling units work for 8 hours per day on an average for 300 days in a year the normal timber requirement of the peeling length of 4 feet size in veneer units in 1500 cu.mt. The total timber requirement for the stand alone veneer units may be assessed by calculating the equivalent number of 4 feet length machines and by taking its normal installed capacity as 1500 cu.mt. per annum.

The timber requirement of a plywood unit may be taken as 'nil' on the ground that the round timber is used as timber in the veneer units only and that the plywood units are the secondary users which use the veneer as the raw material produced by the veneer units. The plywood units use presses of various sizes such as 8x4x6, 8x4x15, 4x4x7, 4x4x10. A 8x4x10 capacity press can produce upto 10 plywood pieces of 8'x4' size per

hour whereas a 8x4x15 capacity press can produce upto 15 plywood pieces of 8'x4' size per hour and so on. The normative installed capacity of the plywood units will accordingly depend upon the number and the type of presses. This number and type of presses installed in each of the plywood unit may be assessed and thereafter equivalent number or presses of 8x4x10 capacity may be calculated. The normative annual timber requirement for a integrated plywood unit having a 8x4x10 capacity press may be taken as 2000 cu.mt. per annum, and accordingly the total requirement of timber for the plywood units should be calculated.

By order

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Secretary, Forests and Environment

Govt. of Uttarakhand