

Tender Document

For

**PRINTING OF FORESTRY STATISTICS INDIA 2021 (English)
(No.18/PO/FSI/Admin/ICFRE/2021-22)**



**INDIAN COUNCIL OF FORESTRY RESEARCH AND EDUCATION
P. O. New Forest, Forest Research Institute
Dehradun-248-006 UTTARAKHAND**

Notice Inviting Tenders
(National Competitive Bidding)
(Indian Council of Forestry Research & Education)
Post- New Forest, Dehra Dun – 248006, Uttarakhand, India

Phone: 0135-2224811/2224869/0135-2750297
Website: [http:// icfre.gov.in](http://icfre.gov.in) Email: adg_admin@icfre.org

Re-tenders are invited from reputed firms having sufficient facilities for printing of ICFRE Annual Report 2020-21. The schedule of tender and the terms and conditions shall be as under:-


1. **Intent:** ICFRE invites Re-tender for facilities for the printing of Forestry Statistics India 2021 and online bids are invited on single stage two bid systems.

The details of the above items and other Terms and Conditions, etc. are available in the Tender Document. The tender forms and specifications are available at **CPPP** site <https://eprocure.gov.in/eprocure/app> and web site <http://www.icfre.gov.in>

2. Tender documents may be downloaded from ICFRE website <http://www.icfre.gov.in> (for reference only) and **CPPP** site <https://eprocure.gov.in/eprocure/app> as per the schedule as given in tender critical date sheet as under:-

Events	Date/Time	Venue
Date of publishing	26.11.2021 at 11:00 AM	ICFRE website and Central Public Procurement (CPP) Portal
Bid document download	26.11.2021 at 11.30 AM	CPP Portal
Bid submission Start date	26.11.2021 at 11.30 AM	CPP portal
Pre-bid Meeting/ Clarification	30.12.2021 at 3.00 PM	ICFRE Head Qtr, Dehradun
Bid submission End date	07.12.2021 at 3.00 PM	CPP portal
Opening date of Technical bids	08.12.2021 at 3.30 PM	Online

- The Tender may be either modified or cancelled in part or full, at the discretion of the Assistant Director General (Admin.), ICFRE, without assigning any reason thereof.
- The bidder shall submit all the documents required as per tender document at the time of submitting bid. No document shall be accepted thereafter.


ADG (Admin)

1. INSTRUCTIONS TO THE BIDDERS

Bids shall be submitted online only at CPPP website: <https://eprocure.gov.in/eprocure/app>. Tenderers/Bidders are advised to follow the instructions provided in the "Instructions to the Tenderer/Bidder for the e-submission of the bids online through the Central Public Procurement Portal for e-Procurement at <https://eprocure.gov.in/eprocure/app>.


Not more than one tender shall be submitted by one tenderer/bidder. Under no circumstances, the father and his sons(s) or other close relations who have business relationship with one another (i.e when one or more partner(s)/director(s) are common) be allowed to tender for the same contract as separate competitors. **A breach of this condition will render the tenders of both parties liable to rejection.**

Tenderer/bidder who has downloaded the tender from the <http://www.icfre.gov.in> and Central Public Procurement Portal (CPPP) website <https://eprocure.gov.in/eprocure/app>, **shall not temper/modify the tender form including downloaded price bid template in any manner.** In case, if the same is found to be tempered/modified in any manner, tender will be summarily rejected and EMD would be forfeited and tenderer/bidder will be liable to be banned from doing business with ICFRE in future.

Intending tenderers/bidders are advised to visit again the ICFRE website <http://www.icfre.gov.in> and CPPP website <https://eprocure.gov.in/eprocure/app> at least 3 days prior to the closing date of submission of tender for any corrigendum / addendum / amendment etc.

Bids will be opened as per date/time as mentioned in the **Tender crucial Date Sheet.**

- The complete tender in PDF format can be downloaded from the website <http://eprocure.gov.in> or www.icfre.gov.in. Following documents are required to be submitted along with bids:
 - ❖ The scanned copy of the DD of the tender fee of (Rs. 1000/- + 18% GST) in the form of Demand Draft in favour of DDO, ICFRE Revenue Account A/c No. 496902010084490 payable at Dehradun from any Commercial/ Recognized/ Nationalized Bank in India should be uploaded in **CPPP portal.**
 - ❖ The scanned copy of the DD of Earnest Money Deposit (EMD) of Rs. 20,000/- (Rupees Twenty thousand only) in the form of Demand Draft **With Minimum six Months Validity** in favour of ICFRE Security money/EMD Account A/c No. 496902010089917 payable at Dehradun from any Commercial/Recognized/ Nationalized Bank in India. Tenders submitted without EMD will be treated as invalid.
 - ❖ The Bidders are required to submit Tender Fee and EMD. The scanned self certified copies of documents must be uploaded in CPP portal otherwise tender will be rejected.
- Tender Fee, EMD, Samples of papers to be used in text & cover and appropriately designed 10 coloured pages of the attached matter is essentially required to be submitted alongwith the above in hard copy on prescribed paper. (No deviation from the approved matter will be acceptable on or before the closing date. It is necessary to qualify).


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2. SCOPE OF WORK

- a) The designing, layout, uniform designing of tables, planning and printing of the *Forestry Statistics India 2021* (English) must be of superior quality. The rates for printing of cover pages and text pages should be quoted separately.
- b) The 300 printed copies shall be delivered to Head, Division of Forestry Statistics, ICFRE after giving the proof read. All the amendments/corrections suggested by Division of Forestry Statistics, ICFRE shall be incorporated by the publisher with the technical specifications given below
 - i. Size - A 4
 - ii. Approximately 180 pages of text and 4 pages of cover in multicolor system planning. Payment will be made on the basis of actual pages printed.
 - iii. Text on imported Matt paper 130 GSM
 - iv. Cover on imported Matt Paper 320 to 350 GSM
 - v. Lamination on cover
 - vi. Perfect binding with section sewing.
- c) Providing master CD (05 Nos.)/Pendrive of *Forestry Statistics India 2021* chapter-wise (English Version) in PDF/MS word for uploading on ICFRE website/portal and each file should have size less than 2 MB.
- d) **The printed items are required to be delivered in full within the stipulated time. Extension of time shall not be permitted.**

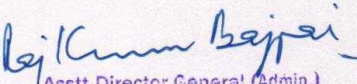
3. TIME SCHEDULE OF WORK

- a) The printer shall submit the press proof (after the proof reading by the printer) of the *Forestry Statistics India 2021* within 15 days of placement of confirmed order and provision of text material and photographs.
- b) The duly bound *Forestry Statistics India 2021* shall be delivered within 7 days of intimation of approval of press proof.
- c) **Time is of essence in this contract. Therefore, no extension of time for whatsoever reason shall be permitted in the above schedule.**


4. TERMS AND CONDITIONS

Necessary proof for having the office/set-up in the Dehradun for last five year in the field of the printing will have to be submitted.

- a) In order to maintain consistency across the printing the job for the publication shall be considered as a single job and will not be allocated to different bidders.
- b) The tender for printing of publications is to be submitted in two parts viz. **'Technical Proposal'** and **'Financial Proposal'** in two bids.
- c) Only prices are to be quoted in digits and in words wherein the detailed specifications of the above printing are given. In case of a discrepancy in the two, that quoted in words will be taken as valid.


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- d) The rates quoted are to be FOR ADG (Admin), Indian Council of Forestry Research and Education, P.O. New Forest, Dehradun – 248 006.
- e) The Tender should be accompanied with a Bank Draft or FDR of a nationalized bank of Rs. 20,000/- favour of ICFRE Security money/EMD Account A/c No. 496902010089917 as Earnest Money Deposit. Tenders submitted without Earnest Money Deposit will be treated as invalid
- f) The Tender should be accompanied with a Bank Draft or FDR of a nationalized bank of (Rs. 1000/- + 18% GST) in the form of Demand Draft in favour of DDO, ICFRE Revenue Account A/c No. 496902010084490 payable at Dehradun from any Commercial/ Recognized/ Nationalized Bank in India should be uploaded in CPPP portal.
- g) All pages of the tender document are to be signed and stamped by the tendering firm.
- h) Bidders must have their own infrastructure, which may be inspected by ICFRE for verification.
- i) Short-listing of a bidder do not confer any rights on any bidder, it only means that the offer made is under consideration.
- j) While submitting the bid, the bidder shall be deemed to have read, understood and accepted all the terms and conditions stated in this Tender Document.
- k) The bidder shall indicate the complete address of the firm / Office and work along with the name(s) of the contact person(s) and their Telephone / Fax / E-mails/Mobile Nos.(s) and other particulars as per the Pro forma at **Annexure - 1**.
- l) Conditional Tenders will be rejected.
- m) The offers submitted by Fax/Email/offline shall not be considered. No correspondence will be entertained in this matter.
- n) In case of any dispute, the Director General, ICFRE shall decide the issue and his decision will be final and shall be the binding on the parties.
- o) No legal proceedings to enforce any claim and no suit arising out of this work contract shall be instituted except in a court of competent jurisdiction over Dehradun, Uttarakhand.
- p) The successful bidder shall furnish, a Performance Guarantee in favour of ICFRE Security money/EMD Account A/c No. 496902010089917, for an amount equivalent to 15% of the contract value. The performance Guarantee shall be in the form of B.G./Bank Draft issued by the Nationalized Bank. The Performance guarantee must be submitted along with the letter of acceptance within the stipulated time. The performance guarantee shall be released after ensuring the complete and satisfactory delivery of the printed material.
- q) EMD is liable to be forfeited, if wrong information is furnished as regards the qualifying, technical and financial proposals of the successful bidder fails to furnish the performance guarantee within the stipulated period, the EMD shall be liable to be forfeited.


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- r) The Assistant Director General (Admin.), ICFRE, Dehradun, reserves the right without assigning any reasons thereof, to:
- i. Accept or reject whole or any part of an offer
 - ii. Reject any or all offers partly or wholly,
 - iii. Cancel or withdraw the Tender notice
 - iv. Accept or reject any deviations from these conditions
- s) Proof reading will be done by the bidder. Printer will be solely responsible for ensuring exactly same format of material provided by ICFRE which includes inter-alia names in italics, numerals, special characters, punctuation marks and words/phrases in Dev Nagri/Roman; proper placements of photographs /diagrams/table etc. in the first press proof as well as in subsequent press proof.
- t) The offer shall be valid for 12 months from the date of issue of work order.
- i. Material for *Forestry Statistics India 2021* will be provided to the printer in hard copy as well as in soft copy by the Assistant Director General (Admin), ICFRE. However, contents in hard copy shall be treated as valid for all-purpose.
 - ii. Proof reading will be done by the bidder. Assistant Director General (Admin), ICFRE or Head, Division of Forestry Statistics will approve the proof.
 - iii. The final print for both the first stage and the final shall be done only after approval of the final draft in Color copy.**
 - iv. ICFRE reserves the right to carry out any number of corrections/modification/alterations in the material at any stage.
 - v. Printer will be responsible for any error/difference from the final proof. Errors once corrected will be not checked in later version and if cropped up it will be sole responsibility of the printer and subject to penalties.
 - vi. Time wasted due to these typographical errors or omissions would be counted and no extension of time would be allowed on this pretext.
 - vii. The representative(s) of the Assistant Director General (Admin) ICFRE shall be in constant touch with the bidder for finalizing the final drafts after very stages.
- u) All attachments should be neatly numbered and indexed. A serial numbered Index sheet showing the numbers given to the attachment and title should be enclosed.
- v) All certificates should be signed along with the seal/stamp on the letter head of the bidding firm/organization.
- w) Affidavit of partnership firm.
- x) Copy of Power of Attorney if any.
- y) Authorization of the bidder for signing the tender documents.



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5. Submission of tender

The tender should be submitted in two parts, viz.,

a. TECHNICAL BID.

b. FINANCIAL BID.

5.1 Technical Bid (as well as qualifying for technical evaluation)


The following documents are to be furnished by the Tenderer /Bidder along with **Technical Bid** as per the tender document:

S. No.	Particular	Max. Marks	Marks
1	Proof of having own establishment of offset/latest printing machine with modern infrastructure and other facilities.	05	
2	Proof of registration with Directorate of Industries from OEM or equivalent.	05	
3	Signed and scanned copy of GST clearance Certificate for last 3 financial years.	05	
4	Appropriately designed 10 coloured pages of the attached matter is essentially required to be presented alongwith the above in hard copy on prescribed paper on or before the closing date. No deviation from the approved matter will be acceptable. Submission of 10 designed pages as above is necessary to qualify.	40	
5	Turnover certificate of CA of Rs. 50,00,000.00, copy of Income Tax return filed/ copy of audited balance sheet filed with the income tax department for last three assessment year.	10	
6	Tender fee: The tender form downloaded from above websites must include Rs. 1000/- + GST by crossed Demand Draft in favour of DDO, ICFRE Revenue Account A/c No. 496902010084490 payable at Dehradun as tender fee along with the tenders (valid for at least six months) submitted and the scanned copy of the same should be uploaded in the Portal.	05	
7	Earnest Money Deposit equivalent of Rs. 20,000/-, in the form of DD/FDR/Bank Guarantee issued by any nationalised bank located at Dehradun, favour of ICFRE Security money/EMD Account A/c No. 496902010089917 valid for at least six months the scanned copy of the same should be uploaded in the Portal.	05	
8	The enclosed, Annexure 1 and 2 duly filled in must be submitted along with proposal.	10*	
9	The bidding firm must have undertaken work of similar magnitude during past three financial years. <u>Enclose Client List</u> alongwith work orders.	15**	

* 5 marks each ** 5 marks for each year

Note:

Sl. No. 4:	Excellent work	95% Marks
	Very Good work	80% Marks
	Good work	65% Marks
	Below Good Work	25% Marks
Sl. No. 9:	One mark for each order	


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5.2 FINANCIAL BID.

The financial proposal must be submitted in the format BoQ_1.xls along with this tender document at <https://eprocure.gov.in/epublish/app> separately as it is and quote their offer/rates in the permitted column and upload the same in the commercial bid. **Bidder shall not tamper/modify downloaded price bid template in any manner.** In case, if the same is found to be tempered/modified in any manner, tender will be completely rejected and EMD would be forfeited and tenderer is liable to be banned from doing business with Indian Council of Forestry Research & Education, Dehradun.

1. Administrative Charge/Service Charge will be inclusive of all taxes, fees, levies, etc. and any revision in the statutory taxes, fees, etc will be the responsibility of the Bidder and the same may be filled in the BoQ xls.

GST should be clearly mentioned in the online financial proposal. It will be paid as per govt. norms.

2. In case of any discrepancy/difference in the amounts indicated in figures and words the amount in words will prevail and will be considered.
3. The quoted rates shall remain firm throughout the tenure of the contract and no revision is permissible for any reason.

Authorized Signatory
(Signature of the Authorized Person)



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(i) **Stage - 1 EVALUATION OF TECHNICAL PROPOSAL**

Checking of qualifying documents and technical documents submitted along with the bid. This will be the first envelope, which shall be checked, and disqualification amongst these documents will lead to rejection of the proposal in Toto.

The technical evaluation criteria will include the firms **relevant experience, technical manpower (qualifications, availability and experience) and availability of necessary infrastructure machinery etc.** The technical evaluation also includes examination of the quality of samples submitted with the proposal. Evaluation will be carried out for total technical score (St) of 100 and scoring 70 points out of 100 will be the eligible criteria for financial evaluation.

(ii) **Stage - 2 EVALUATION OF FINANCIAL PROPOSAL**

The evaluation committee will determine if the financial proposals are complete and without computational errors. The lowest financial proposals (FM) (The currency is in Indian Rupees) will be given a financial score (Sf) of 100 points. The financial scores of other proposals will be computed as follows:

$Sf = 100 \times (FM/F)$ (Where F is amount of financial proposal, FM is lowest financial proposal).

(iii) **Stage - 3 FINAL EVALUATION OF THE BID**


Proposal will finally be ranked according to their combined technical (St) and financial (Sf) scores using the weights $S = St \times T\% + Sf \times F\%$.

The weight (T%) given to the Technical Proposal is 65%

The weight (F%) given to the Financial Proposal is 35%

6. REGARDING CONTRACT

- a) If any part of the contract does not correspond or agree with any other part, or if any question arises as to the meaning of the terms of the contract or as to the performance of the work, Director General, ICFRE shall determine the matter and his decision shall be final and binding upon the parties hereto.
- b) The contract when executed by the parties hereto shall constitute the entire contract between the parties in connection with the works covered, and shall be binding upon the parties hereto or upon either of them unless the said modification shall be in writing and duly executed by ICFRE and the firm.
- c) The contract shall not be assigned or sublet in whole or in part by the firm without prior written consent of Assistant Director General (Admin), ICFRE. Any assignment or subletting of this contract by the firm without prior written consent of Assistant Director General (Admin.), ICFRE or any interest therein, or of any money due or to become due by reason of the terms hereof, shall be null and void.


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- d) The Assistant Director General (Admin.) has the powers to cancel the contract at one-week notice, if the services of the contractor are found unsatisfactory or otherwise.
- e) The printed material under this contract shall not be deemed an asset in any form by the successful bidder.

7. PAYMENT TERMS

- a) **No claim on account of GST work contract tax or any other taxes and duties presently in force for the material used for execution of the work awarded under the contract, will be entertained and all such taxes and duties shall be borne by the Contractor himself.**
- b) **The ICFRE shall deduct such taxes, duties and any other statutory levies imposed by the Government on such charges as may arise from the implementation of the contract.**
- c) The payment is subject to TDS as per Income Tax Rules / Laws.
- d) If the contractor violates any of these terms and conditions, the Performance Guarantee shall be liable for forfeiture, wholly or partly, as decided by Assistant Director General (Admin.) and the contract may be cancelled.
- e) The payment as per the contract shall only be released after the complete and satisfactory delivery of the printed material of all the stages as per clause 2 (b) of this tender document and on verification by the ADG(Adminin), ICFRE.

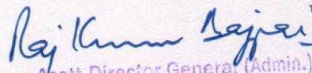
8. PENALTY

In case the bidder fails to execute the order of printing of ICFRE Annual Report within the stipulated schedule the performances guarantee shall be forfeited, and the work got done through some other printer. In case of any increase in the cost of printing of the Annual Report incurred by the ICFRE, the same shall be the liability of the bidder who failed to execute the order.

The printer has to furnish the corrected press proof each time within 02 days irrespective of the number of proofs. Delay in submission of the corrected press proof will attract a penalty of Rs 200.00 per day each time. Delay in submission of printed copies will attract a penalty of Rs. 500.00 per day. In addition, the printer may also be blacklisted for a period deemed suitable by ADG (Admin.) ICFRE, in case the delay goes beyond a week.

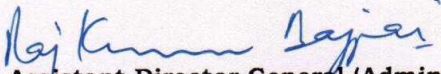
9. ARBITRATION

- (a) Except where otherwise provided in the contract all questions and disputes whatsoever in any way arising out of or relating to the contract or otherwise concerning the work or the execution or failure to execute the same whether arising during the progress of the warranty period or after the completion or abandonment thereof shall be referred to the sole arbitration of the person appointed by the Director General, Indian Council of Forestry Research and Education, (DG, ICFRE) Dehradun on this behalf at the time of dispute. There


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will be no objection to any such appointment that the arbitrator so appointed is an employee of ICFRE, or government servant or that he had to deal with the matters to which the contract relates or that in the course of his duties as employee of ICFRE, or government servant, he had expressed views on all or any of the matters in dispute of differences. The arbitrator to whom the matter is originally referred being transferred or vacating his office or being unable to act for any reason, shall be replaced by another person as decided by DG, ICFRE, to act as arbitrator in accordance with the terms of the contract. Such person shall be entitled to proceed with the reference from the stage at which it was left by his predecessor. It is also a term of this contract that no person other than a person appointed by the Director General, ICFRE should act as arbitrator and if for any reason, that is not possible, the matter is not to be referred to arbitration at all in all cases where the amount of the claim in dispute is Rs. 50,000/- and above, the arbitrator shall give reasons for the award.

- (b) Subject as aforesaid, the provisions of the Arbitration and Conciliation Act 1996 or any statutory modifications or re-enactment thereof and the rules made there under and for the time being in force shall apply to the arbitration proceeding under this clause.
- (c) Services under the contract shall, notwithstanding the existence of any such dispute, question or controversy, continue during arbitration proceedings and no payment, due or payable by ICFRE or the firm shall be withheld on account of such proceedings unless such payments are the direct subject of the arbitration. Reference to arbitration shall be a condition precedent to any other action at law.


Assistant Director General (Admin)
Directorate of Administration
Asstt. Director General (Admin), ICFRE, Dehradun
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PARTICULARS OF THE FIRM

1. Name of the company : _____
2. Head / Regd. Office Address : _____
 - a) Postal : _____
 - b) Fax. No. : _____
 - c) Telephone No.s (s) : _____
 - d) E-mail Address : _____
 - e) Website Address : _____
3. Former name of company (if any): _____
4. Dehradun Office Address : _____
 - a) Postal : _____
 - b) Fax. No. : _____
 - c) Telephone No.s (s) : _____
 - d) E-mail Address : _____
5. Type of Organization : Individual / Partnership / Incorporated
6. (i) Year of establishment: _____
ii) Year in which printing:
work started _____
7. Amount of EMD deposited
 - a) Draft / Bank Guarantee No.: _____
 - b) Bank Detail : _____
 - c) Amount : _____
8. Period of validity of Tender: _____
9. Details of supporting : _____
documents enclosed : _____
: _____
10. Name and address of the : _____
authorized signatory / : _____
contact person for this Tender : _____
11. Whether letter of Authority for : _____


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attending bid opening
enclosed with Tender ?

12. GST Certificate: _____
13. Whether the company has : _____
ISO Certification ?
If yes / whether document attached
in technical bid
14. Turn over of the firm : _____
15. Detailed qualification and experience : _____
of professional available for designing,
layout, planning of cover and text pages
of the report
16. Experience of the firm is undertaking : _____
works similar to printing of Annual
Report. Best sample work needs to
be attached
17. Proof of the fact that firm own printing : _____
facility/have MOU for printing with
an established firm who own their
printing facility
18. Proof of solvency : _____
19. Time Schedule for accomplishment of Job: _____
20. Relevant additional information, if any,
(use extra sheet if necessary) : _____

**Signature of Bidder
Name
With Seal of the Firm**

Date :
Place :

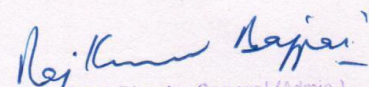

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**WORKS OF SIMILAR NATURE & MAGNITUDE
SUCCESSFULLY COMPLETED DURING LAST 3 YEARS**

Outline of recent experience on assignments of similar nature

Sl. No.	Description of Work	Cost of Assignment	Address of Organisation with Phone No. for which Assignment Done	Samples Attached Yes/No
1	2	3	4	5

**(Signature of Bidder)
With Seal of the Firm**


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Chapter 1

Forests: Resources, Vulnerability and Mitigation

Forests and forest produce contribute to the well-being of humans by supplying various ecosystem services. Forests provide direct consumption goods such as timber, fuel wood, fodder and value added products such as non-timber forest produces (NTFPs) including tendu leaves, sal seeds, tannins, gums, drugs, spices, insecticides, waxes, honey besides durables. NTFPs from forests are vital for livelihood of tribal communities and rural inhabitants living in and around the forests. Intangible services from forests support variety of purposes of the humans as productive purposes such as improvement and conservation of soil thereby increasing soil fertility; protective purposes from nature calamities such as landslides, flash-floods; mitigation to climate change; adaptation to impacts of climate change; hydrological services.

The forests at global scale spread at one third of terrestrial land (406 B ha) of the globe with 0.52 ha per capita forest (FAO, 2020). The total forest cover of India during 2019 is 7,12,249 km² (21.67% of India's geographical area) with an increase of 3,976 km² forest cover than the cover in 2017. The share of Very Dense Forest, Moderately Dense Forest, Open Forest and Scrub forest cover is 3.02%, 9.39%, 9.26% and 1.41%, respectively (IFSR, 2019). The recorded forest area of the country is 7,67,419 km² (FSI, 2019). The composition of Indian forest includes tropical forest, subtropical and temperate forest and alpine forest. Mangrove forests are also found along the coastal regions of the country and have high biodiversity and spread across Sundarban Groves, Mahanadi Mangroves, Krishna Godavari Mangroves, Mangroves of Gujarat, Ratnagiri Mangroves, Goa Mangroves, Cauvery Deltaic Mangroves, Krishan-Godavari Mangroves and Andaman Nicobar Mangroves. India's forest and ToF contains 4,273.47 M cum and 1,642.29 M cum growing stock, respectively.

The land statistics in respect of wastelands has also been contained in the report as these lands are potential lands for plantation purposes or developing forest. Wastelands, barren or overgrown with vegetation, are economically unproductive, ecologically unsuitable and subject to environmental deterioration, however has a potential for tree transplanting. One-sixth land of country is either barren or overgrown with vegetation that has turned wild.

Table 1.8. Area (km²) by species composition in selected states

State/ UT	Type	Species	Year										
			2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	
Gujarat	Coniferous		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Himachal Pradesh	Coniferous		9,026.00	9,014.00	9,014.00	9,026.00	NA	NA	NA	NA	NA	NA	
	Non-coniferous		7,382.00	7,375.00	7,375.00	7,382.00	NA	NA	NA	NA	NA	NA	
	Non-coniferous	Mixed	20,625.00	20,644.00	20,644.00	20,625.00	NA	NA	NA	NA	NA	NA	
Jammu and Kashmir	Coniferous	Deodar	1,075.27	1,075.27	1,075.27	1,075.27	1,075.27	1,075.27	1,075.27	1,075.27	1,075.27	1,075.27	NA
		Kail	1,968.37	1,968.37	1,968.37	1,968.37	1,968.37	1,968.37	1,968.37	1,968.37	1,968.37	1,968.37	NA
		Fir	3,400.93	3,400.93	3,400.93	3,400.93	3,400.93	3,400.93	3,400.93	3,400.93	3,400.93	3,400.93	NA
		Chir	1,825.52	1,825.52	1,825.52	1,825.52	1,824.82	1,824.82	1,824.82	1,824.82	1,824.82	1,824.82	NA
	Non-coniferous	Broad leave	1,885.24	1,885.24	1,885.24	1,885.24	1,885.24	1,885.24	1,885.24	1,885.24	1,885.24	1,885.24	NA
Jharkhand	Non-coniferous	Sal	NA	22,771.00	22,781.00	22,794.50	22,794.52	22,818.71	22,945.38	NA	NA	NA	
Kerala	Non-coniferous	Teak	767.20	768.14	772.59	748.37	767.35	774.00	758.47	772.38	767.11	NA	
		Mangrove	3.43	3.66	3.66	3.77	3.73	3.73	3.73	3.73	3.73	3.71	NA
Madhya Pradesh	Non-coniferous	Teak	NA	NA	NA	18,332.00	NA	18,332.00	NA	18,332.00	NA	18,332.00	
		Sal	NA	NA	NA	3,932.00	NA	3,932.00	NA	3,932.00	NA	3,932.00	
		Mixed	NA	NA	NA	55,436.00	NA	55,436.00	NA	55,436.00	NA	55,436.00	
		other	NA	NA	NA	16,989.00	NA	16,989.00	NA	16,989.00	NA	16,989.00	
Maharashtra	Mixed	Species3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Punjab	Coniferous	NA	NA	NA	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	
	Non-Coniferous	NA	NA	NA	1,495.00	1,495.00	1,495.00	1,495.00	1,495.00	1,495.00	1,495.00	1,495.00	
	Mixed	NA	NA	936.00	936.00	936.00	936.00	936.00	936.00	936.00	936.00	936.00	
Sikkim	Non-Coniferous	Mixed	2.50	3.10	4.18	5.50	NA	NA	NA	NA	NA	NA	
		Mixed fodder	3.80	2.55	3.65	4.90	NA	NA	NA	NA	NA	NA	
		Mixed grass	12.55	12.10	13.80	16.50	NA	NA	NA	NA	NA	NA	
		Broom grass	3.60	3.50	3.30	3.90	NA	NA	NA	NA	NA	NA	
Uttarakhand	Mixed Coniferous	Chir pine	NA	NA	NA	NA	3,973.84	3,973.84	3,973.84	3,973.84	3,973.84	NA	NA
		Deodar	NA	NA	NA	NA	187.83	187.83	187.83	187.83	187.83	NA	NA
		Blue pine	NA	NA	NA	NA	185.49	185.49	185.49	185.49	185.49	NA	NA
		Fir and spruce	NA	NA	NA	NA	927.65	927.65	927.65	927.65	927.65	NA	NA
		Cypress	NA	NA	NA	NA	29.65	29.65	29.65	29.65	29.65	NA	NA
	Non-coniferous	Sal	NA	NA	NA	NA	3,130.54	3,130.54	3,130.54	3,130.54	3,130.54	NA	NA
		Teak	NA	NA	NA	NA	202.09	202.09	202.09	202.09	202.09	NA	NA
		Sissoo	NA	NA	NA	NA	151.14	151.14	151.14	151.14	151.14	NA	NA
		Catechu	NA	NA	NA	NA	57.97	57.97	57.97	57.97	57.97	NA	NA
		Eucalyptus	NA	NA	NA	NA	214.12	214.12	214.12	214.12	214.12	NA	NA
Chandigarh	Non-coniferous	Mixed	NA	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00	
	Non-coniferous	Teak	NA	NA	NA	5,633.13	NA	NA	NA	NA	NA	NA	
	Non-coniferous	Sal	NA	NA	NA	24,244.88	NA	NA	NA	NA	NA	NA	
	Open	Open	NA	NA	NA	3,876.01	NA	NA	NA	NA	NA	NA	

Source: SFDs

Table 1.10. Area (km²) under various Forest Type Groups in states and UTs

S. No.	State/UT	Group 1	Group 2	Group 3	Group 4	Group 5	Group 6	Group 7	Group 8	Group 9	Group 10	Group 11	Group 12	Group 13	Group 14	Group 15	Group 16	Group 17	Total*
1	Andhra Pradesh	0.00	0.00	1,752.05	456.07	30,920.40	1,694.08	452.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2,469.17	37,744.32
2	Arunachal Pradesh	2,354.70	15,280.30	854.83	0.00	0.00	0.00	0.00	16,921.31	754.89	0.00	16,531.13	4,986.83	540.45	7,810.33	5,605.56	481.74	652.68	72,774.75
3	Assam	2,115.36	12,839.42	7,088.15	154.80	24.19	0.00	0.00	9.79	119.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6,302.34	28,653.77
4	Bihar	0.00	2.61	458.66	18.27	4,885.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2,195.82	7,561.15
5	Chhattisgarh	0.00	0.00	22,604.45	0.00	33,005.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	609.99	56,220.09
6	Delhi	0.00	0.00	0.00	0.00	20.51	62.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.28	195.74
7	Goa	506.33	483.38	906.80	26.00	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	314.48	2,237.49
8	Gujarat	0.00	0.00	2,694.44	1,177.27	7,679.73	3,904.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2,395.59	17,851.44
9	Haryana	0.00	0.00	0.00	0.00	723.23	448.08	0.00	0.00	12.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	572.48	1,756.73
10	Himachal Pradesh	0.00	0.00	208.63	0.00	2,848.42	0.00	0.00	0.00	2,841.11	0.00	0.00	8,084.32	502.51	661.47	3,779.78	335.70	1,213.17	20,475.11
11	Jharkhand	0.00	0.00	630.52	0.00	22,212.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,456.25	24,299.46
12	Karnataka	5,143.60	4,850.22	8,173.92	10.04	9,112.66	5,111.79	0.00	431.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10,343.97	43,177.48
13	Kerala	3,343.83	2,664.21	2,440.58	10.46	343.36	1.03	0.00	0.00	0.00	0.00	453.10	0.00	0.00	0.00	0.00	0.00	12,061.62	21,318.19
14	Madhya Pradesh	0.00	0.00	6,586.34	15.07	74,394.46	882.97	0.00	1.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,651.45	83,531.64
15	Maharashtra	0.00	6,659.15	17,068.21	322.56	28,662.37	219.22	0.00	661.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,441.35	55,034.05
16	Manipur	0.00	5,440.38	4,413.95	135.48	0.00	0.00	0.00	6,623.69	693.01	0.00	774.36	13.49	0.00	0.00	0.00	0.00	129.64	18,224.00
17	Meghalaya	2,000.61	504.69	9,869.20	0.00	0.00	0.00	0.00	3,593.38	1,889.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	581.44	18,438.32
18	Mizoram	0.00	12,254.39	5,648.50	0.00	0.00	0.00	0.00	7.94	92.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.83	18,006.41
19	Nagaland	722.19	2,900.07	5,030.79	0.00	0.00	0.00	0.00	2,148.80	761.50	0.00	1,446.16	9.16	0.00	0.00	0.00	0.00	129.39	13,148.06
20	Odisha	0.00	276.61	21,383.34	385.66	30,117.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3,792.21	55,955.08
21	Punjab	0.00	0.00	0.00	0.00	1,283.09	87.20	0.00	0.00	27.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	483.52	1,881.57
22	Rajasthan	0.00	0.00	0.00	0.00	15,979.03	2,459.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2,950.95	18,389.55
23	Sikkim	0.00	0.00	264.33	0.00	0.00	0.00	0.00	905.73	0.00	0.00	874.93	231.20	0.00	912.14	463.85	0.00	133.24	3,785.42
24	Tamil Nadu	787.57	852.80	1,794.32	92.06	11,392.86	3,885.54	385.74	195.62	0.00	0.00	401.99	0.00	0.00	0.00	0.00	0.00	7,825.20	27,613.70
25	Telangana	0.00	0.00	49.23	0.00	23,076.14	321.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	859.73	24,306.31
26	Tripura	0.00	2,718.15	3,249.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,786.80	7,754.38
27	Uttar Pradesh	0.00	21.75	2,927.42	295.81	7,482.63	799.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3,966.66	15,493.54
28	Uttarakhand	0.00	0.00	5,288.20	0.76	1,658.92	0.00	0.00	0.00	7,746.54	0.00	0.00	8,394.89	266.67	1,001.45	1,645.12	32.70	487.09	26,522.34
29	West Bengal	0.00	357.90	1,462.56	2,157.69	3,280.08	0.00	0.00	469.60	0.00	0.00	195.28	333.06	0.00	12.63	0.00	0.00	8,819.74	17,088.54
30	Andaman & Nicobar Islands	3,268.63	2,061.92	570.06	624.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	219.00	6,743.91

31	Chandigarh	0.00	0.00	0.00	0.00	10.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.88	22.13
32	Dadra & Nagar Haveli	0.00	0.00	0.00	0.00	14.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.15	212.09
33	Daman & Diu	0.00	0.00	0.00	4.45	0.40	3.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.64	20.68
34	Jammu & Kashmir	0.00	0.00	0.00	0.00	2,072.63	0.00	0.00	0.00	4,107.29	170.18	0.00	8,917.31	2,593.20	2,949.83	2,729.57	684.33	1,585.50	25,809.84	
35	Ladakh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	140.96	456.92	1,133.80	213.96	1,214.12	42.96	3,202.72	
36	Lakshadweep	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.10	27.10
37	Puducherry	0.00	0.00	0.00	1.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.77	52.41
Total		20,242.82	70,167.95	1,33,601.55	5,888.39	3,11,201.55	19,880.51	838.29	31,969.68	19,046.51	170.18	20,676.95	31,111.22	4,359.75	14,481.65	14,437.84	2,748.59	77,706.08	7,78,529.51	

Source: Atlas Forest Types of India 2020, Forest Survey of India

*Includes Forest Cover, scrub and grassland without forest cover



Table 1.17. Area (km²) under encroachment in the selected states

S. No.	State/UT	Year									
		2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20
1.	Andhra Pradesh	0.57	NA	0.44	NA	NA	NA	NA	NA	NA	NA
2.	Assam	0.00	NA	NA	NA	NA	NA	NA	NA	NA	3,641.45
3.	Goa	0.00	0.78	0.07	0.01	NA	NA	NA	NA	NA	NA
4.	Haryana	NA	NA	NA	NA	0.96	5.39	3.32	2.93	4.56	5.73
5.	Himachal Pradesh	15.88	15.61	43.11	39.17	NA	NA	NA	NA	NA	NA
6.	Jammu & Kashmir	183.47	133.60	133.13	NA	NA	NA	121.49	113.07	129.29	131.09
7.	Karnataka	1,028.70	1,017.72	1,006.39	1,028.51	1,008.51	1,023.39	1,024.68	NA	NA	NA
8.	Kerala	45.19	45.19	54.99	54.99	52.83	78.01	NA	NA	NA	NA
9.	Madhya Pradesh	20.61	50.39	37.00	31.40	26.22	26.22	21.05	13.76	19.73	30.60
10.	Maharashtra	817.54	862.12	700.77	678.90	716.27	586.22	637.19	619.41	596.64	600.58
11.	Meghalaya	1.85	80.71	10.29	9.79	NA	NA	NA	NA	NA	NA
12.	Mizoram	0.32	0.01	0.09	0.08	0.08	0.08	1.42	0.35	0.09	0.82
13.	Rajasthan	NA	NA	96.98	72.58	115.34	101.51	108.43	100.18	131.83	NA
14.	Sikkim	NA	NA	5.68	NA	NA	NA	NA	NA	NA	NA
15.	Tamil Nadu	143.52	NA	NA	NA	152.64	148.21	151.08	150.52	150.10	157.67
16.	Uttar Pradesh	NA	NA	NA	261.36	233.78	235.08	235.38	257.30	258.49	NA
17.	Uttarakhand	NA	96.57	96.57	96.53	96.53	96.47	36.18	96.24	118.92	117.86
18.	West Bengal	125.06	127.54	134.96	NA	137.79	102.15	101.34	93.51	97.69	97.05
19.	Andaman and Nicobar Island	33.27	33.27	33.27	30.98	20.98	20.96	18.63	18.50	18.50	18.49
20.	Chandigarh	NA	NA	NA	NA	0.14	0.14	0.14	0.14	0.14	0.14
21.	Dadra & Nagar Haveli	6.13	6.13	6.13	6.13	0.02	0.08	0.00	0.00	0.00	0.00
22.	Daman & Diu	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.48	0.48
23.	Puducherry	NA	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00

Source: SFDs

Table 1.18. Area (km²) under grazing land in the selected states

S. No	State/UT	Year									
		2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20
1.	Gujarat	NA	NA	NA	NA	8,510.00	8,510.00	8,510.00	8,510.00	8,510.00	8,510.00
2.	Jammu & Kashmir	4,584.18	NA	NA	NA	4,584.18	4,584.18	4,584.18	4,584.18	4,584.18	4,584.18
3.	Karnataka	NA	NA	NA	NA	9,040.00	9,040.00	9,040.00	9,040.00	9,040.00	9,040.00
4.	Madhya Pradesh	25.76	7.63	8.18	7.50	NA	NA	NA	NA	NA	NA
5.	Maharashtra	32,202.45	31,483.92	32,247.23	30,610.71	28,132.08	25,421.48	28,462.80	26,352.03	23,355.58	24,197.25
6.	Meghalaya	NA	NA	NA	81.38	NA	NA	NA	NA	NA	NA
7.	Uttar Pradesh	5,407.00	5,827.00	6,288.00	5,994.00	5,583.00	5,467.00	5,676.00	5,573.00	4,786.00	NA
8.	Chandigarh	NA	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
9.	Lakshadweep	NA	NA	NA	542.16	NA	NA	NA	NA	NA	NA
10.	Puducherry	NA	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00

Source: SFDs

Table 7.2. Detailed industrial structure for wood based industry according to the NIC 2008.

Division 16	Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials
Group 161	Saw milling and planning of wood
Class 1610	Saw milling and planning of wood <i>Exclusions:</i> Logging and production of wood; manufacture of veneer sheets thin enough for use in plywood, boards and panels; manufacture of shingles and shakes, beadings and mouldings.
Sub-class 16101	Sawing and planning of wood
Sub-class 16102	Manufacture of unassembled wooden flooring including parquet flooring
Sub-class 16103	Manufacture of wooden railway sleepers
Sub-class 16109	Activities related to saw milling and planning of wood
Group 162	Manufacture of products of wood, cork, straw and plaiting materials
Class 1621	Manufacture of veneer sheets; manufacture of plywood, lamin board, particle board and other panels and board
Sub-class 16211	Manufacture of ply wood and veneer sheets
Sub-class 16212	Manufacture of particle board and fibre board
Sub-class 16213	Manufacture of flush doors and other boards or panels
Sub-class 16219	Manufacture of other plywood products
Class 1629	Manufacture of other products of wood; article of cork, straw and plaiting material <i>Exclusions:</i> Manufacture of mats or matting of textile; luggage; wooden footwear, matches, clock cases, wooden spools and bobbins, furniture, wooden toys, brushes and brooms, etc.
Sub-class 16291	Manufacture of wooden industrial goods
Sub-class 16293	Manufacture of wooden agricultural implements
Sub-class 16294	Manufacture of articles of bamboo, cane and grass
Sub-class 16299	Manufacture of other wood products
Division 17	Manufacture of paper and paper products
Group 170	Manufacture of paper and paper products
Class 1709	Manufacture of other articles of paper and paperboard <i>Exclusion:</i> - manufacture of paper or paperboard in bulk; printing on paper products; manufacture of playing cards; manufacture of games and toys of paper or paperboard
Sub-class 17091	Manufacture of computer paper
Sub-class 17092	Manufacture of paper cups, saucers, plates, hoops, cones and other similar products
Sub-class 17093	Manufacture of printing, writing and photocopying paper ready for use
Sub-class 17094	Manufacture of paper pulp articles other than containers (such as egg trays)
Sub-class 17095	Manufacture of file cover/file boards, and similar articles.
Sub-class 17096	Manufacture of wallpaper
Sub-class 17097	Manufacture of carbon paper & stationary items
Sub-class 17099	Manufacture of other paper products n.e.c.

Source: NIC, 2008

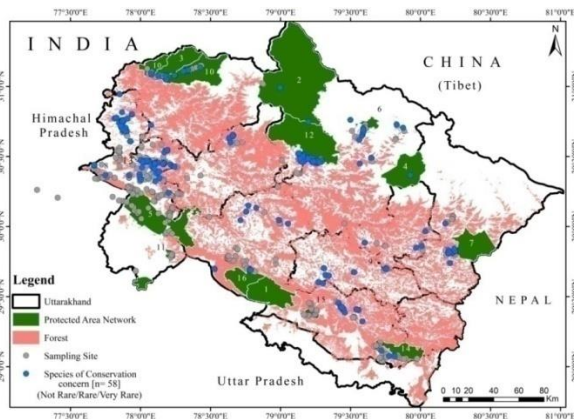


Table 7.4. Important wood-based products and their ITC (HS) code details

Products	Class and its detail	Subclass and detail
Wood in Rough	4403: Wood in the rough, whether or not stripped of bark or sapwood, or roughly squared	440310: treated with paint, stains, creosote or other preservatives 440320: Other, coniferous 440341: Other, of tropical wood specified in sub heading note 1 to this chapter: 440349: Other 440399: Other: Andaman Padauk, Bonsum, Khair, Lampati, Laurel, Pali-wood and Red Sanders and Rose wood
Sawn Wood	4407: Wood sawn or chipped lengthwise, sliced or peeled, whether or not planed, sanded or end-jointed, of a thickness exceeding 6MM	440710: Coniferous 440729: Other 440799: Other
Veneers	4408: Sheets for veneering (including those obtained by slicing laminated wood), for plywood or for similar laminated wood and other wood, dawn lengthwise, sliced or peeled, whether or not planed, sanded, spliced or end jointed, of a thickness not exceeding 6MM.	440810: Coniferous 440831: Of Dark Red Meranti, Light Red Meranti and MerantiBakau 440839: Other 440890: Other
Plywood	4412: Plywood, veneered panels and similar laminated wood	441210: Of Bamboo 441231: Other plywood, consisting of sheets of wood (other than bamboo), each ply not exceeding 6mm thickness 441232: Other, with at least one outer ply of non-coniferous wood 441239: Other 441299: Other
Particle board	4410: Particle board, oriented strand board(OSB) and similar board (for example wafer board) of wood or other ligneous materials, whether or not agglomerated with resin or other organic binding substances of	441011: Particle board 441012: Oriented strand board(OSB) 441090: Other (including veneered particle board, not having decorative veneers on any face)
Bamboos and its products	1401: Vegetable materials of a kind & used primarily for plaiting (For example, bamboos, rattans, reeds, rush, osier, raffia, cleaned ,bleached or dyed cereal straw and lime bark)	14011000: Bamboos
	2005: Other vegetables prepared or preserved otherwise than by vinegar or acetic acid, not frozen (excluding preserved by sugar, and tomatoes, mushrooms and truffles)	20059100: Bamboo shoots
	4402: Wood Charcoal(including shell or nut charcoal) , whether or not agglomerated	44021010: Of Bamboo
	4409: Wood (including strips and friezes for parquet flooring, not assembled) continuously shaped (Tongued, Grooved ,Rebated ,Chamfered, V-Jointed, Beaded, Moulded, Rounded or the Like)Along any of its edges or faces, whether or not planed, sanded or end-jointed	44092100: Of Bamboo
	4412: Plywood, Veneered panels and similar laminated wood	44121000: Of Bamboo
	4602: Basketwork, wickerwork and other articles, made directly to shape from plaiting materials or made up from goods of heading 46 01; articles of loofah	46019200: Of Bamboo 46021100: Of Bamboo
	4823: other paper, paperboard, support of paper pulp ,paper or paperboard (whether or not	48236100: Of Bamboo

	perforated or hardened)	
	4401: Fuel wood, in logs, in billets, in twigs, in faggots or in similar form; Sawdust and wood waste and scrap, whether or not agglomerated in logs, briquettes, pellets or similar forms.	44011010: Others Fuel wood, in logs, in billets, in twigs, in faggots or in similar form;
Fuel-wood		

Source: DGCIS, Kolkata

Table.7.5. Export and import of wood in rough

Year	Export		Import	
	Quantity ('000 m ³)	Value (₹ Cr)	Quantity ('000 m ³)	Value (₹ Cr)
2010-11	26.64	6.83	4,664.28	5,968.25
2011-12	10.34	11.89	6,167.56	9,370.82
2012-13	5.61	10.71	6,536.29	11,423.94
2013-14	8.40	24.21	6,078.67	12,156.68
2014-15	4.85	12.73	6,112.09	11,462.59
2015-16	7.19	550.69	5,622.15	9,730.35
2016-17	3.08	300.59	4,703.27	7,801.00
2017-18	5.80	275.05	4,877.55	8,314.77
2018-19	8.07	630.14	4,707.92	7,631.48
2019-20	5.58	145.84	3,991.21	6,426.68
2020-21	81.85	30.99	2,699.09	4,231.63

Source: DGCIS, Kolkata

Table.7.6. Export and import of sawn-wood

Year	Export		Import	
	Quantity ('000 m ³)	Value (₹ Cr)	Quantity ('000 m ³)	Value (₹ Cr)
2010-11	17.18	82.47	192.20	308.26
2011-12	32.38	100.80	495.24	696.75
2012-13	34.15	170.14	499.52	900.37
2013-14	50.26	166.17	524.81	1,070.21
2014-15	26.73	192.00	605.46	1,383.64
2015-16	39.24	164.91	764.60	1,933.05
2016-17	23.41	119.42	708.85	1,805.55
2017-18	12.19	50.42	1,044.66	2,615.15
2018-19	6.35	33.47	1,238.40	3,092.05
2019-20	3.34	20.69	1,716.16	3,120.87
2020-21	5.29	21.74	1,497.59	2,239.83

Source: DGCIS, Kolkata



FOREST SECTOR REPORT INDIA 2019



INDIAN COUNCIL OF FORESTRY RESEARCH AND EDUCATION, DEHRADUN
(An Autonomous body of Ministry of Environment, Forest and Climate Change, Government of India)

PREFACE



Deputy Director General (Admin.)
Directorate of Administration

भारतीय वानिकी अनुसंधान एवं शिक्षा परिषद्

Indian Council of Forestry Research and Education

(पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार की एक स्वायत्त परिषद्)

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Government of India)



सत्यमेव जयते



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India is the 7th largest country in the world with 2.4% of the world's geographic area and 1.8% of forest in contrast with 17.5% of the world's total population. Around 400 million inhabitants depend upon forests for subsistence and livelihoods, due to which there is an immense pressure on this scarce natural resource that leads to its degradation. Various produce like NTFPs, fodder, unrecorded removal of forest produce, fuel-wood, etc. contributes to the livelihoods. It is estimated that more than 24% of the total geographic area of India is under forest and tree cover.

Maximum damage to the forests of India started in early 1800s when the large scale felling of trees was done to provide resource for construction. This was accelerated due to the two world wars. With the formulation of working plans for forest management and evolution of forest management and conservation strategies, the efforts have resulted in halting the forest degradation and contributed to the conservation of forests. Presently, the forest departments under the state governments prepare working plans in accordance with the working plan code formulated and notified by the central government. Various acts and policies like the Wildlife Protection Act, Forest Conservation Act, Biodiversity Act, etc. have been formulated and implemented for forest protection and conservation. Additionally, schemes like JFM and Participatory Forest Management which focuses on forest management with the participation of the dependent population has also been effective in the process.

The present FSRI 2019 consists of 10 chapters. Forest management at the state level with details about SFDs, FDCs and ADCs is presented in Chapter 1. Chapter 2 provides the data on forest villages, forest fringe villages, involvement of people in forest management for forest conservation and utilizations. The