

**OFFICE- ADDITIONAL PRINCIPAL CHIEF CONSERVATOR
OF FOREST, WORKING PLAN, JHARKHAND, RANCHI.**

No. 31/W- (25) 2018-1 *dated - 29.8.2018*

EXPRESSION OF INTEREST

FOR

**ASSESSMENT OF THE AVAILABILITY OF RAW MATERIAL FOR
WOOD BASED INDUSTRIAL (WBI) UNITS IN JHARKHAND**

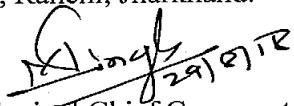
Expression of Interest is invited from Institutions or University of repute (in collaboration also), engaged in forest related research, education and training for assessment of timber availability for the wood-based industries in Jharkhand state.

Objectives of the Study:

1. To quantity such raw material that may be "sustainably harvested from the forest areas" as per the working plans/ working schemes/ management plans duly approved the competent authority.
2. To quantity such raw material that is available from "Trees outside forest" areas, including the private plantation, agro-forestry plantation and plantation raised on non- forest government lands etc.
3. To quantify "Net inter-state import" of such timber into Jharkhand.
4. To quantify "Net international import" of such timber into Jharkhand (including and excluding its use in Special Imported Timber Conversion Zone)
5. Final assessment of timber availability for WBI in Jharkhand on basis of above four.

The interested Institutions/ Universities are invited to submit their proposal up to 5.00 PM, 15th September, 2018 in the office of Additional Principal Chief Conservator of Forests, Working Plan, Ranchi, Jharkhand and through email to apccf-wp@gov.in

The detailed Term of Reference may be downloaded from official website- <http://forest.jharkhand.gov.in> or may be obtained from the office of Additional Principal Chief Conservator of Forests, Working Plan, Ranchi, Jharkhand.


Additional Principal Chief Conservator
of Forests, Working Plan, Ranchi,
Jharkhand

TERM OF REFERENCE

PROJECT FOR ASSESSMENT OF THE AVAILABILITY OF RAW MATERIAL (TIMBER) FOR WOOD BASED INDUSTRIAL (WBI) UNITS IN JHARKHAND

Background:

As per the direction of Hon Supreme court of India, a new "Guideline for the Wood Based Industries of India was notified in the official Gazette, dated 11/11/2016 and circulated by MOEFCC, GOI". This guideline prescribed a State Level Committee (SLC) comprises of different officials from GOI, GOJ and also an invited member from the association of WBI to administer the new license giving process for WBI in the State. As per this guideline, one of the major responsibilities of the SLC is to assess the quantity of timber likely to be available for utilization of Wood Based Industries (different types) in Jharkhand, by commissioning a study. The present SLC proposes that, the assessment of timber availability for the wood-based industries in Jharkhand state should be carried out by an independent institute/ university of repute, under its direct supervision as prescribed in the present guideline.

Objectives of the Study:

1. To quantity such raw material that may be "sustainably harvested from the forest areas" as per the working plans/ working schemes/ management plans duly approved the competent authority.
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3. To quantify "Net inter-state import" of such timber into Jharkhand.
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5. Final assessment of timber availability for WBI in Jharkhand on basis of above four.

Methodology:

1. Review all the literature including guidelines, Hon. Supreme Court orders, CEC instructions etc., related to assessment of growing stock and wood based industries.
2. Collection and analysis of all working plan/ working schemes/ management plans of notified forest areas to assess the timber available / growing stock available for wood based industries (excluding demand of local dwellers for small woods/ timber).
3. Collection and analysis of all the existing data/ information on the trees/ forest/ tree plantations etc., outside the notified forest areas.
4. Creation of new data base on the basis of random sampling/ satellite imagery / GIS / survey etc., to assess the amount of timber available from different sources for the WBI of Jharkhand on the basis of established tools/ statistical methods.
5. Collection and analysis of the interstate transport of timber (produced in Jharkhand and other state) coming in and going out of Jharkhand from available data/ information from different sources, sample study etc., to assess the net interstate import of such timber into Jharkhand.
6. Collection and analysis of the data of international imported timber coming to Jharkhand through different ports and state borders and calculate net international import of timber to Jharkhand, including and excluding its use in Special Imported Timber Conversion Zone.
7. Tabulation and calculation the timber available from the above with sound statistical methods/ tools to give the final assessment of timber availability for the WBI in Jharkhand in CMT.

Duration of Study:

SIX months, However, the duration may be reasonably extended depending upon circumstances mutually agreed by both the parties.

Project Team:

An Institution or University of repute (in collaboration also), engaged in the forest related research, education and training can apply for this project. The applicant should have enough trained manpower to take detailed field studies, surveys etc. The team shall include multidisciplinary specialist to enable study after consulting stake holders of wood based industries.

The Leader of the project should have at least 25 years of experience in forest management at very higher level. The team should consist of at least four more members' having good knowledge in the field of forestry, statistics, GIS etc.

Detail qualifications are as per below-

Lead consultant: specialized in forests/natural resources governance/ forest management, with a Ph. D. and at least 25 years of experience. Good knowledge of the situation in Jharkhand is highly desirable. He should have prior experience in the field of assessment of timber or forest produce in any state of India. S/He will have proven experience delivering quality outputs on time and will have proven experience leading multi-disciplinary teams. S/He will be responsible for leading the team, coordinating the preparation of outputs, and engaging directly with the client.

Research Associate: One with at least a post graduate degree (forestry, Forest management) with 10 years of experience. Good knowledge of the forestry situation in Jharkhand is highly desirable. S/He should have knowledge and experience with the forest industry development, remote sensing etc., as a well as the silvicultural and ecological dimensions of forestry.

Research scholars: Three with at least a post graduate degree in Forestry, Forest management, or statistics. They should have knowledge and two year experience with the forest based industry as a well as the silvicultural and ecological dimensions of forestry.

Deliverables:

- I) Inception report within three weeks of the commencement of the project, which should include details of persons actually engaged, timeline, methodology in detail, man-hour to be spend for each objective, field visit plan, literature survey, data collected for the project etc. This is will be in 10 copies.
- II) Draft Final Report on or before 5.5 months of the commencement of the project. It will be in 15 copies. After submission of the draft report, project leader has to give a detail presentation (PPT) on the draft final report to the SLC and seek suggestion, remarks, corrections etc.

III) Final Report: 6 months: 20 copies (colour) and a soft copy of the report (pdf & word format). A presentation (PPT) on the final report and finding to the SLC and FD should be presented.

All the data, information, map, tables, report etc., collected, collated, generated (both soft and hard form) should be handed over to the Forest Department and will be exclusive property of the Jharkhand Forest Department and SLC.

Monitoring of the project:

This project will be done under the supervision of the SLC and will be monitored regularly. All the information collected/ collated and analyzed, should be shared with the SLC. SLC is the final authority to take decision related to the technical and administrative matter of the project and also final authority.

Funding Agency:

Jharkhand Forest department, Ranchi.

Project Cost: (to be furnished by the Institution/ University)

Contract and payments:

1. The approved total cost of project plan amount will be borne by the Forest Department.
2. The release of payment shall be made by reviewing works and on submission of a certified statement of expenditures against previous release of funds.
3. The services to be provided by the agency/institution will be through deposit work at the cost of Forest Department, for which the Forest Department shall release fund in advance in installments as per stipulations mentioned hereafter.
4. Release of fund shall be made in 3 installments
 - a. 10% on acceptance and confirmation of the letter of award

- b. 30% on completion of field survey, compilation of data and submission of draft project report
 - c. 60% on submission of final report and acceptance of the same by the Forest Department.
5. The Forest Department shall allow revision of estimate during the project period which may be required due to revision of wage rate, cost escalation, difficult site condition or additional work during the time of implementation.

Termination of Contract

The agreement can be terminated at any stage of the project if both parties/any of the parties individually agree to do so due to circumstances beyond their control after settling the financial liability at the time of termination.

Intellectual Property rights

The intellectual property generated through the project shall be jointly owned and shared by the Institute/Agency and the Forest Department.

Settlement of Dispute

In case of dispute if any, it is expected that the same should be resolved at the joint meetings first at the level of nominated representatives from both sides, failing which at the level of Director and APCCF. However, if an agreeable solution does not emerge, the decision of PCCF will be final.

Director/Head or Authorised Signatory
of the Institute

Principal Chief Conservator of Forest,
Jharkhand, Ranchi.