



Indian Council of Forestry Research and Education
(An Autonomous body of the Ministry of Environment, Forest and Climate Change, Government of India)
P.O. New Forest, Dehradun – 248 006 (Uttarakhand), INDIA

REQUEST FOR EXPRESSIONS OF INTEREST
(Individual Consultant - Selection)

COUNTRY: INDIA

NAME OF PROJECT: ECOSYSTEM SERVICES IMPROVEMENT PROJECT

Grant No.: TF0A3990

Assignment Title: Carbon Sequestration Consultant

Reference No.: IN-ICFRE-31738-CS-INDV

The Government of India has received financing from the World Bank toward the cost of the Ecosystem Services Improvement Project (ESIP), and intends to apply part of the proceeds for consulting services.

The consulting services (“the Services”) include engagement of Individual Consultant (IC) for implementing of one of the component of ESIP *i.e.* Scaling up Sustainable Land and Ecosystem Management in Selected Landscapes. The consultant would need to look into the carbon sequestration/ climate change related activities of ESIP in the States of Chhattisgarh and Madhya Pradesh. The initial duration of the contract for this assignment is for a period of two years. Terms of Reference for selection of Consultant is given in Annexure - I.

The Indian Council of Forestry Research and Education (ICFRE), Dehradun now invites eligible individual consultants to indicate their interest in providing the Services. Interested Consultants should provide information demonstrating that they have the required qualifications and relevant experience to perform the Services. The shortlisting criteria are:

- i. Essential qualification is Postgraduate degree in Natural Resource Management/ Forestry/ Ecology/Environmental Science/Climate Change or equivalent and desirable qualification is doctorate degree in the relevant field.
- ii. Minimum 10 years of experience in carbon sequestration/assessment of carbon stocks/ climate change, particularly in the context of forestry projects. Candidates with diverse practical and research experience in the field will have an advantage.
- iii. Experience of working with government agencies and of working in carbon sequestration/ carbon stocks assessment/climate change/ forestry projects.
- iv. Extensive knowledge of conventions on climate change, desertification and biodiversity (UNFCCC, UNCCD and CBD).

- v. Extensive knowledge of IPCC methodologies and other methodologies for carbon stocks assessment.
- vi. Proven record of scientific peer-reviewed publications.
- vii. Strong background in carbon sequestration/ carbon stocks assessment and climate change, application of GIS in forestry is an advantage.
- viii. Knowledge of and experienced in project cycle management and well versed in logical frameworks.
- ix. Fluent in speaking and writing English.
- x. Computer skills and the applications of climate change modeling and GIS related software.
- xi. Ability to work effectively in a team interacts persuasively with a range of stakeholders, and travel extensively.

The attention of interested Consultants is drawn to paragraph 1.9 of the World Bank's *Guidelines: Selection and Employment of Consultants [under IBRD Loans and IDA Credits & Grants] by World Bank Borrowers [Government of India, 16 August 2017]* ("Consultant Guidelines"), setting forth the World Bank's policy on conflict of interest.

A Consultant will be selected in accordance with the Selection Based on the Individual Consultant Selection Method set out in the Consultant Guidelines. A consultant shall submit individual CV as per the prescribed format (Annexure - II). The individual consultants are to be selected on the basis of their relevant experience, qualifications, and capability to carry out the assignment.

Expression of interest must be delivered in a written form either through postal mail or by email using the prescribed format on or before 04 December 2017.

Further information can be obtained at the address below during office hours [0900 to 1730 hours]:

Assistant Director General (Biodiversity and Climate Change) &
Project Director, Ecosystem Services Improvement Project
Room No: 42
Indian Council for Forestry Research and Education
P.O. New Forest, Dehradun, Uttarakhand-248006 (INDIA)
Tel: +91-135-2224823, 2224803, Tele Fax: +91-135-2750296
Email: adg_bcc@icfre.org
Website: www.icfre.gov.in

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Terms of Reference

(Carbon Sequestration Consultant)

1. Background

The Government of India has received financing from the World Bank toward the cost of the Ecosystem Services Improvement Project. Indian Council of Forestry Research and Education (ICFRE) is one of the implementing partners of ‘Ecosystem Services Improvement Project (ESIP)’. ESIP has following three components:

i. Strengthen capacity of government institutions in forestry and land management programs in Madhya Pradesh and Chhattisgarh: The objective of this component is to enhance the capacity and skills of the State Forest Departments, Forest Development Agencies, and local communities for improving management of forest and land resources and ensuring the delivery of sustainable benefits to local communities that depend on these resources. This component provides technical assistance to: (i) build institutional capacity and capability for planning and efficient delivery of forest ecosystem quality improvement and land management programs; and (ii) develop, test, and pilot nation-wide systems for measuring and monitoring forest carbon stocks.

ii. Investments for improving forest quality in selected landscapes: The objective of this component is to improve the quality and productivity of the existing forests so as to ensure sustained flows of ecosystem services and carbon sequestration, and to ensure the sustainable harvesting and value addition of NTFP to provide economic benefits to forest dependent communities that promote conservation and improve ecological connectivity between critical biodiversity areas.

iii. Scaling up sustainable land and ecosystem management (SLEM) in selected landscapes: The main objectives of this component are to prevent land degradation and desertification and increase above-ground forest carbon stock through a combination of investments to implement and scale-up tried-and-tested SLEM best practices, to increase national capacity for monitoring land degradation and track associated indicators, and to generate knowledge exchange on SLEM approaches.

The higher level objective of the project is to contribute to increasing global carbon sequestration, reversing land degradation, and conserving globally significant biodiversity. This project will treat 50,000 ha of moderately dense forest and 50,000 ha of degraded open forest in selected landscapes of Madhya Pradesh and Chhattisgarh. ESIP will monitor the carbon sequestration for 100,000 hectare of forests supported and will also support to measure carbon sequestered over 1 million hectare of forests.

2. Objective(s) of Assignment

- i. To provide technical inputs for developing, testing, and piloting nation-wide systems for forest carbon stocks measurement and monitoring.
- ii. To ensure that the program outputs contribute to enhance the capacity and skills of the State Forest Departments, Forest Development Agencies, and local communities for measuring and monitoring of forest carbon stocks;
- iii. Provide policy, strategic, technological and operational guidance on forest carbon stocks measurement and monitoring;
- iv. Ensure coordination and networking of all organizations with responsibilities related to forest carbon stocks measurement and monitoring;
- v. Gather and disseminate information and experiences on forest carbon stocks measurement and monitoring to a wide audience beyond the ESIP; and
- vi. Develop suitable outreach material on the subject of forest carbon stocks measurement and monitoring for stakeholders including decision-makers and practitioners etc.

3. Scope of Services, Tasks (Components) and Expected Deliverables

(a) Scope of Services, Tasks (Components)

- i. Provide technical backstopping and support for activities mainly related to forest carbon stock measurement and monitoring under components 1 and 2 as well as component 3 of the project.
- ii. Develop, test, and pilot nationwide systems for forest carbon stocks measurement and monitoring.
- iii. Establish a carbon monitoring system in the states of Madhya Pradesh and Chhattisgarh.
- iv. Identify and develop innovative methods and models for forest carbon stocks measurement and monitoring;
- v. Provide technical support to forest carbon stocks measurement and monitoring related issues of project;
- vi. Provide technical leadership and facilitate relevant strategy development for forest carbon stocks measurement and monitoring;
- vii. Support development of annual action plans in consultation with the Project Director, Project Manager and other implementing partners, focusing on forest carbon stocks measurement and monitoring part of the project;
- viii. Support in preparation of relevant guidelines, operational manuals, training manuals, documents for forest carbon stocks measurement and monitoring;
- ix. Building national capacity for forest carbon stocks measurement and monitoring.
- x. Support the Project Director and Project Manager in implementation of the project, preparation of progress reports and other documents related to project.
- xi. In addition to the above listed tasks, the consultant may be called upon to assist in any other tasks (related to project) assigned by Project Director and Project Manager of ESIP related to the core expertise of the consultant.

(b) Expected Deliverables

- i. Contribute to developing, testing, and piloting nationwide systems for forest carbon stocks measurement and monitoring
- ii. Contribute to establishment of a carbon monitoring system in the states of Madhya Pradesh and Chhattisgarh.
- iii. Identify and develop innovative methods and models for forest carbon stocks measurement and monitoring.
- iv. Prepare framework documents of the project related to forest carbon measurement and monitoring.
- v. Prepare the annual work plan for the project related to forest carbon measurement and monitoring in consultation with other project partners.
- vi. Prepare regular progress report of the project.
- vii. Prepare technical reports, operational manual, training manual, technical papers, policy papers and approach papers related to forest carbon measurement and monitoring.
- viii. Undertake thematic visits related to forest carbon measurement and monitoring.
- ix. Conceptualize the training modules for building national capacity for forest carbon stocks measurement and monitoring.
- x. Any other tasks (related to project) assigned by Project Director and Project Manager of ESIP.

Data and documents/ reports /papers etc. generated by the consultant under ESIP will be the sole property of ICFRE. Consultant should ensure to hand over print and electronic copies of data and documents/ reports /papers to the Project Manager of ESIP before completion or termination of the contract.

Performance of the consultant will be measured against assigned work plan and it will be updated every six months. Consultant will submit quarterly progress reports stating her/his accomplishments against the agreed work plan and also submit any other reports as required by the project management authorities.

4. Qualification Requirements

- i. Essential qualification is Postgraduate degree in Natural Resource Management/ Forestry/ Ecology/Environmental Science/Climate Change or equivalent and desirable qualification is doctorate degree in the relevant field.
- ii. Minimum 10 years of experience in carbon sequestration/ measurement and monitoring of forest carbon stocks/ climate change, particularly in the context of forestry projects. Candidates with diverse practical and research experience in the field will have an advantage.
- iii. Experience of working with government agencies and of working in carbon sequestration/ carbon stocks assessment/climate change/ forestry projects.
- iv. Extensive knowledge of conventions on climate change, desertification and biodiversity (UNFCCC, UNCCD and CBD).
- v. Extensive knowledge of IPCC methodologies and other methodologies for forest carbon stocks measurement and monitoring.
- vi. Proven record of scientific peer-reviewed publications.

- vii. Strong background in carbon sequestration/ carbon stocks measurement & monitoring and climate change, application of GIS in forestry is an advantage.
- viii. Knowledge of and experienced in project cycle management and well versed in logical frameworks.
- ix. Fluent in speaking and writing English.
- x. Computer skills and the applications of carbon sequestration/ carbon measurement/ carbon monitoring and climate change modeling.
- xi. Ability to work effectively in a team interacts persuasively with a range of stakeholders, and travel extensively.

5. Client's Input and Counterpart Personnel

(a) Services, facilities and property to be made available to the consultant by the Client:

- 1. Furnished office room
- 2. Computer, internet facility
- 3. Relevant documents required for imparting services.
- 4. @ 1days leave per month
- 5. Any other services required.
- 6. Traveling expenditure as per Government of India norms for the consultants/ contract personnel.

(b) Professional and support counterpart personnel to be assigned by the client to the Consultant's Team: Nil

6. Duration and Location

The initial duration of the contract for this assignment is for a period of two years and likely to be extended further depending upon the performance of consultant and requirement of project. The consultant will report to the Project Director and Project Manager of ESIP. Contracts involve extensive long duration touring in the project sites under the states of Chhattisgarh and Madhya Pradesh for project related activities.

7. Remuneration and Payment Terms

The consolidated remuneration of the consultant will be INR 75,000/-per month and TDS will be deducted as per the Income Tax Norms. Annual hike @10% of consolidated monthly remuneration may be provided subject to the satisfactory performance of the consultant. Travel expenditure, to the travel undertaken by the consultant for project works will be reimbursed as per the norms of the Government of India/ICFRE. No other allowances would be reimbursed or paid to the consultant.

Annexure – II

**Format for Submission of Proposal of Expression of Interest for Selection of
Carbon Sequestration Consultant under
Ecosystem Services Improvement Project**

1. Name of Candidate (in block letters):
2. Father's Name :
3. Permanent Address :
4. Full Postal Address for Correspondence :
5. Mobile No. Telephone No.
6. E-mail ID :
7. (a) Date of Birth :
(b) Age as on 04.12.2017 *i.e.*, the last date of submission of expression of interest proposal:
8. Nationality :

Self Attested
Passport Size
Photograph

9. Educational Qualifications (Graduation onwards):

Examination passed	Subjects of Examination	Name of Board/University	Year of Passing	Division

10. Relevant Experience in the field of Carbon Sequestration/Carbon Stocks Assessment/ Climate Change/ Forestry/ Natural Resource Management:

Name of Employment/ Designation	Name of the Organisation where worked	Duration of Experience		Year of Experience	Nature of Duty Performed
		From	To		

11. List of Published Peer Reviewed Documents/Reports/ Papers:

12. List of Forestry Projects handled/ executed (in chronological order):

13. Training Programmes Attended:

14. Computer Skills:

15. Communication Skills:

16. Other Professional Skills:

17. Two References:

18. Justification as to, why he/she should be considered as a suitable candidate for engaging as a Carbon Sequestration Consultant?

Declaration

I affirm that all information supplied by me as stated above is true and correct, I also fully understand that if any stage, it is discovered that any attempt has been made by me to willfully conceal or misrepresent the facts, my candidature is liable be summarily rejected. Curriculum vitae and self attested copies of all the necessary documents are enclosed for proof of age, essential qualifications and relevant essential experiences.

Place:
Date:

Signature of the candidate