

9-5/2013-ICFRE@BTSG/Main file/Vol III  
Indian Council of Forestry Research & Education,  
(An Autonomous Body of Ministry of Environment & Forests)  
P.O.New Forest, Dehradun

No 9-5/2013-ICFRE@BTSG/Main file/Vol III

Dated 2<sup>nd</sup> July 2014

To,

Subject: Quotations for **Development of Web Portal for "National Bamboo Database"**

Sir,

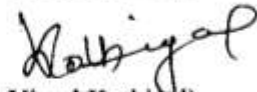
Sealed quotations are invited from reputed firms for **Development of Web Portal for "National Bamboo Database"** as per the Terms and conditions given. The envelop should be super scribed in the bold letter **"Quotations for Development of Web Portal for "National Bamboo Database"**

Last date and Time for submission of quotations	21 <sup>st</sup> July 2014 ( 15.00 hrs)
Date and Time for opening of Quotations	21 <sup>st</sup> July 2014 ( 16.00 hrs)

Attachments:

A document containing instructions to bidder, Scope of Work, Terms and Conditions, the contract payment Terms.

Yours faithfully,



(Dr Vimal Kothiyal)  
Assistant Director General (RP)  
ICFRE, Dehradun

Copy to:

1. Head, IT Cell, ICFRE. Please arrange to upload the enclosed Quotation on ICFRE website at the earliest.

**Indian Council of Forestry Research & Education,  
P.O.New Forest, Dehradun**

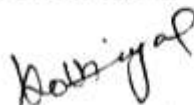
**Development of Web Portal for "National Bamboo Database"**

The sealed quotations must be submitted to:

Assistant Director General (Research Planning)  
Indian Council of Forestry Research & Education,  
P.O.New Forest, Dehradun

**Instructions to the bidder and Terms and Conditions:**

- i. Design, Development, Implementation with security audit of National Bamboo web portal should be completed within three months after the issue of letter of intent.
- ii. Firm / Consultant would provide support phase for one year after the successful completion of security audit with implementation as on required basis and contract may be extended for another year on mutual agreement with same terms and condition.
- iii. The work is to be carried out in consultation with Chairman BTSG-ICFRE and officers associated with the work at ICFRE
- iv. Once completed the web portal / database design / queries generation / generation of reports etc is to be tested in front of officials designated by Chairman BTSG-ICFRE
- v. The consultant will provide all the source code of the web portal and database design
- vi. The firms shall submit information of the work done of similar nature in last five years (Annexure 1)
- vii. The rates quoted shall be inclusive of all taxes.
- viii. In case of any dispute, the Director General ICFRE shall decide the issue and the decision will be final and shall be binding on all the parties.
- ix. The quotation should be accompanied with a Bank Draft or Bankers Cheque or FDR of a nationalized bank of Rs. 5000/- payable to DDO ICFRE, Dehradun as Earnest Money Deposit (EMD). Quotations submitted without EMD will be treated as invalid.
- x. The EMD is liable to be forfeited if the bidder withdraws or impairs or derogates the bid in any respect or manner within the period of the validity of the offer.
- xi. While submitting the bid all pages of the document are to be signed and stamped by the bidder.
- xii. The bidder shall indicate the complete address of the firm / Office and work along with the names of the contact persons' and their telephone no's and other particulars as per Annexure -1.
- xiii. The Assistant Director General (Research Planning) has the powers to cancel the contract at one week notice, if the services of the consultant are found unsatisfactory or otherwise.
- xiv. The web portal developed shall not be deemed as an asset in any form by the consultant.
- xv. The payment will be made after the successful development of the web portal after security audit (85% of the total amount after the completion of the work and 15% after successful completion of the service period of one year).



## 1. Project Summary

Bamboo being a natural resource with a vast potential a reliable national data base on this resource and its use is required. It is with this view that a comprehensive bamboo information web portal is required for collating information on bamboo in the country. Under this initiative, a set of input data formats (questionnaires/schedules) for collection of bamboo related data have been designed. To generate baseline data on various aspects related to bamboos it is proposed to develop a web page portal based on these formats for dynamic data collection, retrieval of desired information through queries and generating reports.

This project envisages assessment of area under bamboo plantation, status of bamboo stock in the country, its demand and supply at national / state /division/ district/ FDA level. Information about total area under bamboo species, harvesting done, bamboo sold and distributed free of cost under various schemes. Details and type of bamboo plantation carried out under various schemes in the states including those in mixed plantation. Status of existing bamboo areas, in states (Natural stand, pure, mixed, and scattered and other bamboos such as homestead etc.). Details and type of nurseries existing in states along with their capacities and demands of seedlings / ramets from the nurseries. Occurrence of gregarious flowering in various states and its extent. Expected gregarious flowering in plantation (other than natural bamboo area) in the states. Details of improvements of bamboo stock under NBM and other schemes. Estimate of area under bamboo plantation under the jurisdiction of DFO/ state which is outside the administrative records. 'Bamboo based' value addition enterprises in states. Details of bamboo based industries in the states (based on end used). Average annual demand of bamboo in bamboo based industries in states.

## 2. Background of the Project

Bamboo is one of the fastest renewable bio-resource and has long been used as an environmental friendly material and an alternative to timber in many applications in many parts of the world. The traditional bamboo industry has created plenty low cost employment and earning opportunities in capital scarce and labor surplus countries. The entire bamboo industry contributes enormously to create employment and earning opportunities not only to the rural poor and female but also to the city dwellers. Bamboo has the character of conservation and is climate friendly. Bamboo has enormous potential for solving many problems – both environmental and social facing the world today.

Promotion of bamboo sector has many opportunities and perspectives for supporting livelihoods for rural people. With this aim the Government of India has created a specific mission under centrally sponsored schemes to promote growth of the bamboo sector.

### 2.1 National Bamboo Mission

Department of Agriculture & Cooperation (DAC), Ministry of Agriculture is implementing a 100% Centrally Sponsored Scheme called Mission for Integrated Development of Horticulture (MIDH) in which National Bamboo Mission (NBM) is being implemented as a sub scheme. The Mission envisages promoting holistic growth of bamboo sector by adopting area-based, regionally differentiated strategy and to increase the area under bamboo in potential areas with improved varieties for enhancing yield. It also envisages to promote marketing of bamboo based handicraft. Under the Mission, steps have been taken to increase the availability of quality planting material by supporting the setting up of new

nurseries and strengthening of existing ones. The Mission is also taking steps to establish convergence and synergy among R&D, stake-holders for the development of bamboo and to develop and disseminate technologies through a seamless blend of traditional wisdom and modern scientific knowledge with the aim to generate employment opportunities for skilled and unskilled persons, especially unemployed youths.

National Bamboo Mission has set up a 'Bamboo Technology Support Group' at ICFRE (BTSG-ICFRE) to support various activities under this mission. The work of design and development of National Bamboo Database web portal has been assigned to BTSG-ICFRE by NBM.

### **3. Importance of work proposed**

To achieve the growth in bamboo sector envisaged through the above mission and efforts made by other agencies, it is necessary to have an inventory of bamboo resources in the country at the national level and demand of bamboo in the country. The dynamic web portal / database proposed to be developed in this project will be able to answer various queries related to assessment of bamboo resource from management point of view and developing a sustainable resource base. It will also help in developing well targeted strategies and policy frame work for growth of the sector.

### **4. Specification for developing web portal / database design development**

The web portal system is expected to consist of a main site with separate administration section, as necessary, to incorporate the following requirements.

#### **4.1 Scope of work/ detailed specification for web portal design and development**

Web portal design, database design should be professional and clean, user friendly, easy to access and navigate, and should attract visitors and display clearly information about various aspects and activities.

- Design, Development, Implementation with security audit of National Bamboo web portal. Portal consists of a main site with separate administration/user section, as necessary, to incorporate the following requirements:
  - Web portal should be CMS based and should have provision that specified user should be able to update the data on internet with limited provision. Roles should be defined for different types of users.
  - Data entry and validation of the Legacy data.
  - Eventual location for web portal would be ICFRE/NBM server to be decided later
  - Portal should have proper form validation.
  - Portal should have provision for generation of dynamic queries and reports.
  - Secure Password Protected Administrative Console with SSL encryption support.
  - Portal should be compatible with any standard web browser, such as IE, Firefox, Opera, Chrome & Safari, etc.
  - The entire website should be dynamic in nature.

#### **4.2 Development of Admin Section**

- Access Control Mechanism:
  - Secure Login/logout mechanism for admin user,
  - Option to create role base user Like:- Operator, admin
  - Manage (create, modify, delete) user accounts and their information
- Master pages for common records
- Alerts for the notifications

*Kalyan*

- Administrative Information (Operator or admin can add/Edit/Delete following information)
  - Information about Bamboo species, total area under species, harvesting done etc.
  - Details of type of Bamboo plantation done under various schemes in the State
  - Details of current Natural Bamboo Areas under different species in the State
  - Details of Nurseries existing in the State
  - Details of last gregarious flowering in the State
  - Expected gregarious flowering in plantation (other than Natural Bamboo Area) in the State
  - Details of component – Improvement to Stock under NBM and other schemes during last Seven Years
  - Current estimate of area under Bamboo plantation under the jurisdiction of DFO/ State which could not be recorded
  - Particulars of field Investigation
  - Provision for uploading images / small videos
- Facility to search above entered records in portal.
- Searching , filtering, sorting, and viewing tools and preferences for each section

*Kalbiya*

**WORKS OF SIMILAR NATURE & MAGNITUDE SUCCESSFULLY COMPLETED  
DURING LAST 5 YEARS**

Outline of recent experience on assignments of similar nature

<b>Sl.No.</b>	<b>Description of Work</b>	<b>Cost of Assignment</b>	<b>Address of Organization with Phone No. for which Assignment Done</b>	<b>Proof regarding assignement Yes/No</b>
1	2	3	4	5

**(Signature of Bidder)**

**With Seal of the Firm**