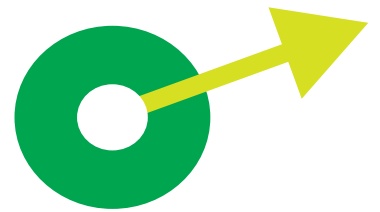


1

# INTRODUCTION







## Introduction

The Indian Council of Forestry Research and Education is an autonomous organization under the Ministry of Environment and Forests, Government of India. The Union Minister of Environment and Forests is the President of ICFRE and the Director General is its Chief Executive. The General Body is the supreme authority of the ICFRE, headed by the Union Minister, Environment and Forests, Government of India. Its members consist of serving and retired Officers from various State Governments, educational institutes, and scientific organizations (Annexure-I).

### A. Structure

The organizational chart is presented at page iv. The Governing Body is headed by the Chief Executive i.e. the Director General who is the decision-making authority of the ICFRE. He is

#### **Mission**

To generate, preserve, disseminate and advance knowledge, technologies and solutions for addressing the issues related to forests and to promote linkages arising out of interactions between people, forests and environment on a sustained basis through research, education and extension.

#### **Vision**

Increasing forest cover and enhancing forest productivity through operationalisation of National Forestry Action Programme and National Forestry Research Plan.

supported by four Deputy Director Generals (heading Administration, Research, Education and Extension Directorates); Director (Projects and International Cooperation); and Secretary, ICFRE. Further, the Deputy Director Generals are assisted by Assistant Director Generals at the headquarters. Each institute is headed by a Director and is supported by a Research Coordinator, scientists, officers and other staff.

### **Directorate of Research**

It is responsible for conducting, Research Advisory Group (RAG) meetings at the Institute level, as per approved calendar at each Institute and Research Policy Committee (RPC) meeting at ICFRE level. It coordinates with all the institutes of ICFRE to formulate national level coordinated projects. Also, as a part of Bamboo Technical Support Group (BTSG), it conducts training programmes for various target groups.

### **Directorate of Education**

This Directorate is responsible for capacity building of scientific and managerial cadre, through various training programmes. Also, enhances forestry education at national level through financial support to the state universities, imparting forestry education. This Directorate has also initiated accreditation process, in line with All India Council for Technical Education (AICTE) to improve the quality of forestry education. The Policy Research Division reviews and analyzes the existing forest policies, statutes and framework.



### Directorate of Extension

The Directorate of Extension is responsible for extension of technologies, developed by the Council to various target groups, especially the farmers, through Van Vigyan Kendras (VVKs) and Demo Villages (DVs) through comprehensive extension strategies. The Environment Management Division extends scientific expertise, in the field of environment, to various agencies through consultancies. The Media & Extension Division facilitates various publications such as bulletins, brochures, pamphlets, newsletters and annual report and promotes Rajbhasha Hindi. The SLEM Project Unit acts as the Technical Facilitation Organization (TFO) to implement Global Environment Facility (GEF) funded and World Bank (WB) supported medium size projects on Policy and institutional reform for Mainstreaming and up scaling sustainable land and ecosystem management in India. The Statistics Division collects the data, pertaining to forestry, from all the states which is subsequently processed and disseminated through publication of yearly Forestry Statistics Report and Bulletin.

### Directorate of Administration

The Directorate of Administration is responsible for financial planning and budget management of the Council. The IT Division caters to the Information Communication Technology needs of all Institutes under ICFRE and ICFRE HQ. The ICFRE Server Farm hosts the IFRIS Application and other allied key services like Messaging Service, Web Service, Database Service, Proxy Service, DNS Service, DHCP Service, FTP Service, Backup Service, Internet Service, MPLS-VPN service, Video

conferencing, Antivirus Service, Helpdesk Service and CA EMS ISS.

### Director, Projects & International Cooperation

The Director, Projects & International Cooperation, along with Panchayat and Human Dimensions Division, has the mandate of developing linkages with international and national organizations in respect of developing projects, MoUs and consultancies.

### Institutes and Centres of ICFRE

ICFRE has nine Regional Research Institutes and four Research Centres located in different bio-geographical regions of the country in order to cater to the forestry research needs of the nation.

**Forest Research Institute (FRI), Dehra Dun**, established in 1906 is a premier scientific research and ISO 9001:2000 certified Institute. The Institute carries forward the high tradition of forestry research, carried out by erstwhile Imperial Forest Research Institute to cater to the forestry research needs of the states of Uttarakhand, Uttar Pradesh, Haryana, Punjab and National Capital Territory of Delhi. The advanced Centre for Social Forestry and Eco-Rehabilitation (CSFER), Allahabad, under the umbrella of FRI and with the aim on social forestry and eco-rehabilitation caters to the needs for Eastern Uttar Pradesh, North Bihar and Vindhya Region of Uttar Pradesh and Madhya Pradesh.

FRI has also been conferred with the status of “Deemed University” by the Ministry of Human Resource Development, Government of India, New Delhi to conduct M.Sc. Forestry, M.Sc. Wood



Science & Technology, M.Sc. Environment Management programmes beside conducting Post Masters diploma in Natural Resource Management and Non-Wood Forest Products, and Post Graduate diploma in Pulp & Paper Technology. It also runs Doctoral Programme leading to the award of Ph.D. degree.

The National Forest Library and Information Centre (NFLIC) of the Institute is the richest centre of forestry and allied sciences, document collection in South and South-East Asia.

**Tropical Forest Research Institute (TFRI), Jabalpur** focuses research activities in the states of central India, viz., Madhya Pradesh, Chhattisgarh, Maharashtra and Odisha. It has a satellite Centre, the Centre for Forestry Research and Human Resource Development (CFRHRD) at Chhindwara which conducts research, in the specialized areas of human resource development in forestry sector by imparting vocational training leading to poverty alleviation through self employment.

**Arid Forest Research Institute (AFRI), Jodhpur** focuses research activities in Rajasthan, Gujarat and Dadra & Nagar Haveli. The Institute carries out research in forestry and allied fields to enhance, arid and semi arid land productivity and vegetative cover, to conserve biodiversity and to develop technologies for the end-users.

**Himalayan Forest Research Institute (HFRI), Shimla** was established in 1987 from Conifer Regeneration Research Centre. The Institute caters to the research needs of the states of Jammu & Kashmir and Himachal Pradesh with focused research on Himalayan and cold desert areas. It has nine Field Research Stations for carrying out site specific research, including the one located at Tabo

and Lahaul-Spiti (HP) to address specific research needs of cold deserts. The Institute has also been declared as the “Advanced Centre for Cold Desert Afforestation and Pasture Management” for taking up advanced research.

**Rain Forest Research Institute (RFRI), Jorhat** was established in 1988 to support forestry research in North-Eastern states. The Institute focuses on, conservation methods for restoration of degraded lands under shifting cultivation, management of community forests, and multi-facet use of bamboo and cane. Advanced Research Centre for Bamboo and Rattan (ARCBR) has also been established in Aizawl (Mizoram) as its unit in 2004, which conducts research for socio-economic upliftment of North-Eastern people, that revolve around Bamboos and Rattans.

**Institute of Forest Productivity (IFP), Ranchi** established in 1993 to cater to the forestry research needs and education in eastern region i.e. the states of Bihar, Jharkhand and West Bengal. The Institute also has Forest Research Centre at Mandar (Ranchi), Environmental Research Station at Sukna (West Bengal), and Forest Research & Extension Centre at Patna (Bihar) to carry out research and extension activities.

**Institute of Forest Biodiversity (IFB), Hyderabad** was established during December 2012 by way of up gradation of the erstwhile Forest Research Centre with the mandate to carry out research on forest biodiversity of Andhra Pradesh with special emphasis on the forest biodiversity of Eastern Ghats.

**Institute of Wood Science and Technology (IWST), Bangalore** was established in 1988. The Institute caters to the forestry research needs of the states of Karnataka and Goa. The Institute has





widened its research activities in the fields of tree improvement and wood energy in addition to conventional wood sciences. This Institute has also been widely recognized, as the centre for advanced studies in areas of, improved utilization of wood, Mangrove and coastal ecology and Sandal research of Western Ghats.

**Institute of Forest Genetics and Tree Breeding (IFGTB), Coimbatore** was formed during 1988 by up gradation of Forest Research Centre (FRC), working under the Forest Research Institute and Colleges since 1959. The Institute caters to the forestry research needs of the states of Tamil Nadu, Kerala, Andaman and Nicobar, and Lakshadweep Islands. It maintains seed production area and clonal orchards for important fast growing tree species such as teak, casuarinas, eucalypts, Pongamia, Jatropha and acacia. The institute has field units in Kerala, Tamil Nadu and Andaman and Nicobar islands.

## **B. Research Management**

### **Directorate of Research**

The Directorate of Research works under the guidance of Deputy Director General (Research) who is assisted by ADG (RP), ADG (M&E) and a number of scientists. The Directorate ensures that all the research projects taken up by ICFRE Institutes are need based and address the regional and national forestry research problems. The research prioritization by the Directorate is through participatory mechanism involving all the stakeholders and end users.

**Research Planning Division** under the Directorate of Research deals with the planning, formulation and finalization of plan funded forestry projects of

nine research institutes and four research centers of ICFRE. The process involves stakeholders meets, Research Advisory Group (RAG) meetings at each institute and national level Research Policy Committee (RPC) meeting at ICFRE HQs under the chair of Director General, ICFRE keeping in view the balance among international, national, regional and state research requirements and decide investment in high quality forestry research/emerging issues to meet the aspiration of the society with bottom-up, transparent and participatory approach. It also reviews the ongoing projects under five year rolling plan. Twenty one new plan projects with 53 components were initiated during the year.

**Research Advisory Group (RAG)** meetings of each of the nine ICFRE institute for 2012-13 were convened as per approved calendar at Institutes/ by circulation of the proposals to the RAG members.

### **Follow up meeting of XIII RPC:**

The Follow up meeting of XIII RPC was convened on 11<sup>th</sup> May, 2012 at ICFRE HQs Board Room under the chairmanship of DG, ICFRE. In the earlier meeting of XIII RPC held on 14<sup>th</sup> -16<sup>th</sup> February, 2012 at ICFRE HQ, it was decided that the research system of ICFRE be tuned to the Programme mode for optimal manpower utilization, ensuring a proper delivery system for the forestry research results. As per the directives of the XIII RPC Meeting, the six NPDs of identified thrust areas were directed to formulate All India Coordinated Projects/ Net working and Inter Institutional Projects in their respective Thrust Areas. A total of 21 Programmes were taken up in four Thrust Areas of Research.



### **Release of Compendium “Changing Frontiers of Research Programmes in ICFRE based on XIII Research Policy Committee (RPC) 2012 Meeting”**

Research Planning Division, Directorate of Research, ICFRE compiled the outcome of the new initiatives taken recently in the research planning and prioritization system and highlighting the process of formulation of bringing the scattered and piece meal projects into the National Programmes as All India Coordinated Projects/ Inter institutional Projects and Networking Projects.

### **Bamboo Technical Support Group (BTSG):**

- Representatives of **BTSG-ICFRE** participated in the review meeting of National Bamboo Mission, Krishi Bhavan, Ministry of Agriculture on 5<sup>th</sup> November 2012.
- Three trainings of 5 days duration each on "Bamboo Handicraft and Jewellery Making for the Farmers/Artisans" were conducted under BTSG-ICFRE (National Bamboo Mission).

**Monitoring and Evaluation Division** under the Directorate of Research deals with the annual review and evaluation of all the ongoing research projects of ICFRE institutes. It suggests corrective measures for timely completion of the projects and achievements of the objectives with perfection. During July October, 2012, the annual review of 440 (347 ICFRE funded and 93 externally aided) ongoing and completed research projects of all ICFRE institutes was conducted and reviewed.

Half yearly Progress Reports of individual projects from Directors for the period ending

March, 2012 and September, 2012 for ongoing and completed projects were scrutinized for conformity with the approved action plan and corrective measures were suggested for timely achieving the objectives.

### **Director (Project & International Cooperation)**

The Director (Project & International Cooperation), assisted by the ADG, Panchayat and Human Dimensions Division, has the mandate of developing linkages with international and national organizations in respect of developing projects, MoUs and consultancies. The Division also organizes seminars, meetings and conferences, especially pertaining to forestry research and livelihoods. The major achievements / activities during the year 2012-13 are as follows:

- Formulated projects under the thrust area "Managing Forests and Forest Products for Livelihood Support and Economic Growth" with the vision to promote holistic growth and development of forest based resources through proper management strategies. The detailed concept notes of the following projects were developed and submitted to various funding agencies.
- Management of Forest Fringes for Sustenance, Livelihoods and Conservation
- Agro-forestry for Green Economy and
- NTFP based modules
- The following Conferences/Workshops were organized during the year
  - i) International Poplar Commission and Executive Committee meeting was held at Dehradun from 29<sup>th</sup> October to 2<sup>nd</sup> November 2012.
  - ii) Integrated Forest Based Enterprises with Rural Development for Livelihood Support



and Economic Growth was held on 21<sup>st</sup> March, 2013 at Dehradun.

- Twenty five MoUs/consultancies were signed by various ICFRE Institutes with international and national institutions were coordinated during the year.
- An international collaborative project "TREEPLANZ" was submitted to EU in collaboration/ partnership with eleven International Research Organizations. The project aims at the capacity building of the researchers.
- "The Integrated Community based Forest Management" Project in Bihar, which was

launched in 2006, was implemented by IFP, Ranchi with collaboration with this Directorate. The highly successful project has been appreciated by the Planning Commission and Govt. of Bihar. During the period of project 2007 to 2013, a total of 83.5 lakh poplar plants and more than 16 lakh non-poplar plants have been produced by farmers in their Kisan Nurseries. Demonstration model plants, clonal seed orchards have been established at various places in Vaishali district. An agroforestry extension centre is also coming up.