

अनिल माधव दवे  
Anil Madhav Dave



राज्य मंत्री (स्वतंत्र प्रभार)  
MINISTER OF STATE (INDEPENDENT CHARGE)  
पर्यावरण, वन एवं जलवायु परिवर्तन  
ENVIRONMENT, FOREST & CLIMATE CHANGE  
भारत सरकार / GOVERNMENT OF INDIA



### **MESSAGE**

I am happy to observe that the Indian Council of Forestry Research and Education is regularly publishing report of its activities as an autonomous body of the Ministry of Environment, Forest and Climate Change in the form of Annual Reports.

The Council is a premier organization devoted to research in the field of forestry and environment and has achieved many milestones which are documented in these Annual Reports. The synergetic and pragmatic approach it has adopted in forestry research has shown its benefits in terms of the output of the Council which are appropriately reflected in these reports.

It is a matter of pleasure that ICFRE is going to publish Annual Report 2015-16 comprising of various activities performed during the year in the field of forestry research, education and extension.

I wish the Council great success.

(Anil Madhav Dave)

अजय नारायण झा  
AJAY NARAYAN JHA, IAS



सचिव  
भारत सरकार  
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय  
Secretary  
Government of India  
Ministry of Environment, Forest and Climate Change




### MESSAGE

The Annual Report of the Indian Council of Forestry Research and Education for the year 2015-16 is an account of its activities as part of undertaking holistic development of forestry research, education and extension in the country as an autonomous body of the Ministry of Environment, Forest and Climate Change.

The Council through its member Institutes located in different parts of the country and specializing in selected domains, has been working relentlessly towards achieving the objectives of its mandate. It has made successful forays in the field of conservation of forests and enhancement of environmental development of the country by demonstrating technologies, preparing environmental management plans and executing projects in different areas. The scholarships and research add to the knowledge base in forestry and help guide interventions for development.

I am sanguine the Annual Report will provide the experts, policy makers and law makers sufficient information on the achievements of the Council and its subsidiary institutes.

Date: 10/02/2017  
Place: Delhi

  
(A.N. Jha)



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सिद्धान्त दास  
SIDDHANTA DAS



वन महानिदेशक एवं विशेष सचिव  
भारत सरकार  
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय  
DIRECTOR GENERAL OF FOREST & SPL. SECY.  
GOVERNMENT OF INDIA  
MINISTRY OF ENVIRONMENT, FOREST AND  
CLIMATE CHANGE



### MESSAGE

The ICFRE is a premier organization which has done significant work in the field of forestry research, education and extension. Through its network of research institutes, ICFRE is conducting studies in various fields of forestry, environmental sciences and climate change science related to forestry. These efforts are useful to state forest departments and other stakeholders. As a national council, it has contributed to the growth of forestry science and has contributed to the generation of knowledge on forests not only as a tangible resource but also as a provider of ecological services. Its institutes serve as a repository of knowledge in the field of forestry and allied services. All its activities are briefly presented in its Annual Reports. The present edition of ICFRE Annual report 2015-16 is a document which successfully provides a glimpse of its activities during the year.

I congratulate the team of ICFRE and I wish for the Council's success and bright future.

  
(Siddhanta Das)



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महानिदेशक  
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(An ISO 9001 : 2008 Certified Organization)

## FOREWORD



Indian Council of Forestry Research and Education (ICFRE) being the premier forestry research organization at national level has evolved over the years in line with the changing needs of forestry research, education and extension for sustainable management and development of forestry resources in the country. The activities of the Council focus on various synergistically linked domains that reflect the cross- sectoral nature of forest management.

During the year, officers/ scientists of the Council participated in 21st Conference of Parties (CoP - 21) at Paris, and also attended first regional workshop on Developing Strategies for Communication, Partnership and Monitoring Reducing Emissions from Deforestation and forest Degradation (REDD+) Himalayas held at Kathmandu (Nepal). Another outstanding contribution of the Council was the preparation of DPR on Forestry Interventions for Ganga under National Mission for Clean Ganga through a series of consultation meetings held with states i.e Uttarakhand, U.P., Bihar, Jharkhand and W.B., which was released by the Hon'ble union minister at India Habitat Centre, Lodhi Road, New Delhi. on 22 March 2016.

In an effort to extend the research outputs to the end users, IFGTB, Coimbatore has entered into a non-exclusive license agreement with the International Papers - APPM Limited to commercially propagate five high-yielding clones of Casuarina developed by the Institute. Similarly, IWST, Bengaluru has filed one provisional patent for "New Composition of Soap" for dissemination of the process to the industry.

The Council is providing consultancy services on various environmental issues in different sectors especially on environment impact assessment of hydropower and mining projects. The Council has submitted final report on "Carrying Capacity Study of Saranda region in West Singhbhum District, Jharkhand" and on "EIA study of Rabindra Rangshala in upper ridge road area, New Delhi to MoEF&CC".

The Council successfully completed the Planning Commission sponsored "Integrated Community Based Forest Management Project in Bihar" under which the poplar plantation in Vaishali (Bihar) was popularized by developing various agroforestry models, and looking at the success of this project, ICFRE has been made a partner by the Bihar Govt. to extend poplar plantation in all the districts.

Trainings were organized by ICFRE bamboo technical support group (BTSG) in different parts of the country for effective usage of the National Bamboo Database web Portal/ Software by the bamboo mission directors of National Bamboo Mission and Divisional Level Officers of 21 states.

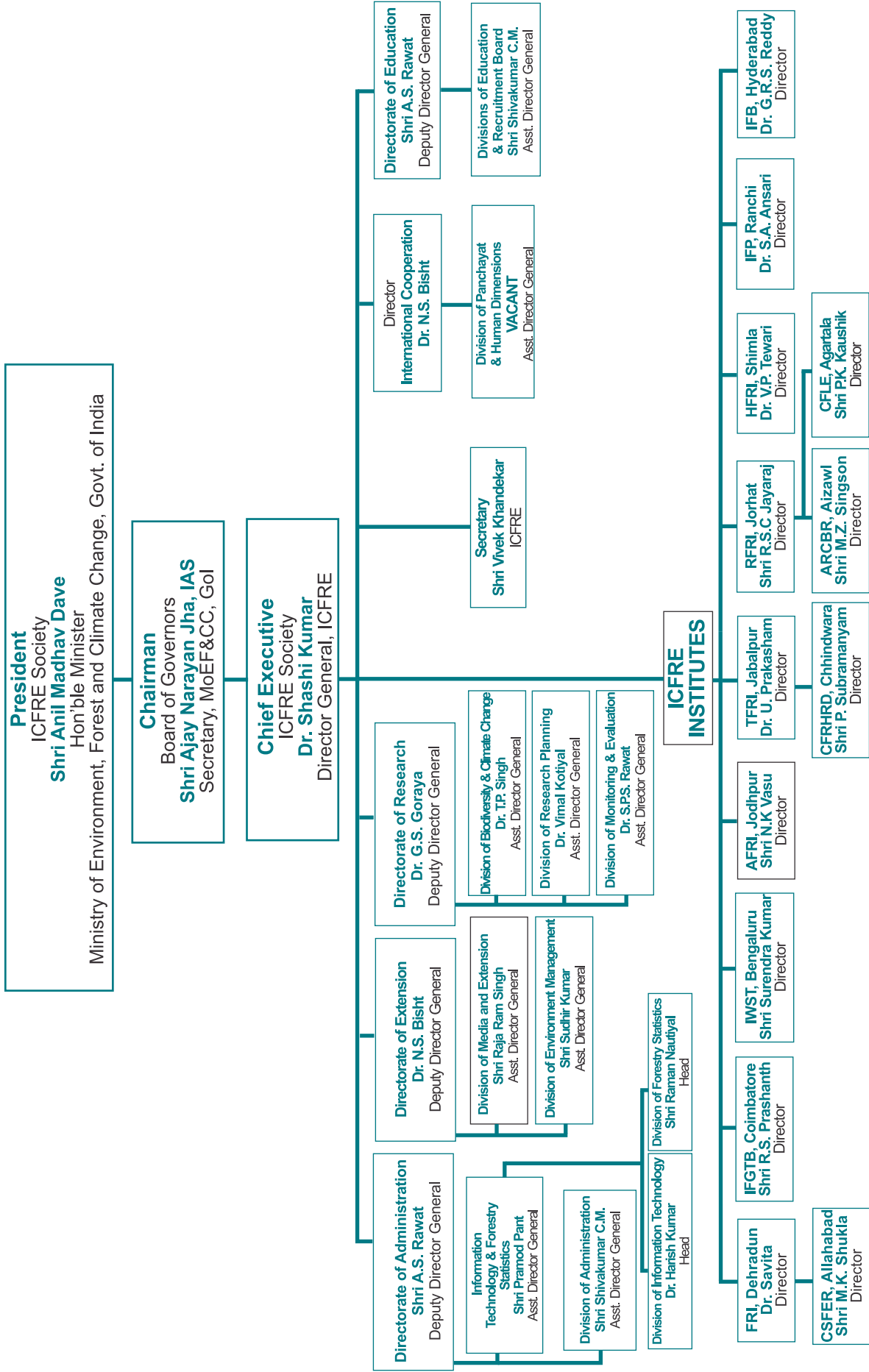
ICFRE institutes in their endeavour to sensitize various stakeholders about the technologies and processes available for dissemination, organized 111 trainings, 41 workshops and a number of demonstrations under various extension programmes like Van Vigyan Kendras (VVKs), Demo Villages (DVs), networking of VVKs with Krishi Vigyan Kendras (KVKs), Tree Growers Melas (TGMs) and farmers' meet.

A comprehensive Intellectual Property Management Policy (IPMP) for the council and its institutes has been notified for prudent decision making pertaining to issues related to Patent/Commercialization of technology developed by the Council. An Anti- Plagiarism Policy has also been adopted to create a plagiarism free academic and research environment in the Council. Several institutes under council have taken initiatives to air the technologies/advisories/practices related to forestry through radio and doordarshan for their wider dissemination.

It is my pleasure to present the Annual Report (2015-16) which contains a brief account of activities of ICFRE during 2015-16.

(Dr. Suresh Gairola)

# ORGANIZATIONAL STRUCTURE OF ICFRE SOCIETY



(As on 01.10.2016)



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