

technical person at each office of FSI zonal office and Regional Office of MoEF & CC for dealing with matters related to DSS and e- Green watch. The two days training programme for staff of FSI and MoEF & CC will be conducted to update them about these two applications and resolve their technical queries. For Staff of FSI and MoEF & CC, the duration of the training is two days as they conversant with the applications. For officers of SFDs, the duration of training is kept as one week to provide hands on training on these applications as well as on handheld GPS.

4. Forest resource/carbon inventory for preparation of working plan

Duration : One week
 Number of courses : Two
 Level of participants : WPO/ACF/RFO
Dates : 9th - 13th October, 2017
: 4th - 8th December, 2017

Contents: The sampling design for forest resource assessment under the new working plan code 2014 has been modified and many new parameters have been added. As most SFDs are facing difficulties in new assessment method, the training course will help the participants to understand different concepts and methodology to be used for resource assessment as per the new code.



5. Application of RS/GIS in preparation of working plan

Duration : One week
 No. of courses : Two
 Level of participants : WPO/ACF/RFO
Dates : 18th - 22nd December, 2017
: 15th - 19th January, 2018

Contents: Under the new National working Plan Code 2014, lots of maps are to be prepared and analysed using GIS tools. As FSI is having long expertise in applications of RS/GIS for different forestry purposes, the participants will be given sufficient hands on training on RS/GIS and their applications in new working plan code

6. GPS/DGPS in Forest Surveys and Demarcation

Duration : One week
 Number of courses : One
 Level of participants : ACF/DCF/RFO/Forest Surveyors
Dates : 5th - 9th February, 2018

Contents: Handheld GPS and DGPS are being widely used in the SFDs for different applications. The course aims to provide basic overview of GPS technology and hands on training to the participants for different applications in forestry. The participants will also be made aware about DGPS and its applications.



7. New tools and techniques for preparation of working plan for integrated forest & biodiversity management and its implementation

Duration : One week
 Number of courses : One
 Level of participants : IFS officers
Dates : 23rd - 27th October, 2017
(Officers for this course are nominated by the MoEF & CC)

Contents: This a short duration course meant for IFS officers to familiarized them about new tools and techniques for preparation of working plan as per the new working plan code and to address issues related to assessment of new parameters in the New Working Plan Code. During the training programme, case studies will be discussed with the participants.



8. Forest Fire Monitoring and damage assessment

Duration : 2 Days
 Number of courses : One
 Level of participants : IFS compulsory workshop
Dates : 26th - 27th February, 2018
(Officers for this course are nominated by the MoEF & CC)

Contents: This will be a two-day workshop training for IFS officers on Forest Fire Monitoring. FSI is working on three aspects of forest fire viz. sending pre-fire warning, fire alerts and burnt area assessment. The participants will be exposed to these aspects of forest fire and the technology being used for forest fire monitoring.



9. Sensitization course on forest resource monitoring by FSI

Duration : 2 Days
 Number of courses : One
 Level of participants : Senior IFS officers of the rank of APCCF or PCCFs
Dates : 23rd - 24th November, 2017

Contents: This is a sensitization programme for senior level officers of SFDs. The programme aims to expose the senior officers about new tools and techniques used for monitoring of forest resources. They will also be informed about DSS, e- Green watch, forest fire monitoring etc.

10. Customized Training courses

On the request of SFDs, customized training courses will be conducted on application of RS/GIS, handheld GPS, Inventory Techniques etc. The expenditure on such courses will be borne by concerned SFDs.

TRAINING CALENDAR 2017-2018



For further information, please contact:

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FOREST SURVEY OF INDIA
 (Ministry of Environment, Forest and Climate Change)
 Kaulagarh Road, Dehradun - 248195

Background

Forest Survey of India, Dehradun is a premier national organization under the Ministry of Environment, Forests and Climate Change (MoEF & CC) dedicated to forest resource assessment of the country on a regular basis. The four major activities of the organization are assessment of forest cover of the country using satellite data on a biennial basis, inventory of Forest / Trees Outside Forests (TOF), imparting training to personnel of State Forest Departments (SFDs) in modern geomatic tools and undertaking important national and sub-national projects on the request of central ministries and SFDs. India State of Forest Report (ISFR) is an important biennial publication of FSI. So far 15 ISFRs have been published by FSI. The latest published report is ISFR 2015.

Training

FSI always strives to keep pace with rapidly changing technologies. With the advancement in Information Technology, Remote Sensing, GIS and GPS technologies, the requirement of trained personnel in these fields in the State Forest Departments (SFDs) has grown. Accordingly, FSI has designed its training courses in such a way so as to fulfill the training needs of the SFDs in modern tools and techniques. So far FSI has imparted trainings to around 4000 forestry personnel.



Training hall

Facilities

Forest Survey of India is equipped with necessary infrastructure, state of art hardware & software and skilled professionals to organize the training programmes. The Training Unit has advanced Digital Image Processing (DIP) software like ERDAS Imagine and GIS software like ArcGIS. The National Forest Data Management Centre (with Digital Cartographic System & advanced GIS facilities) and the Forest Inventory Unit, with their specialized activities also cater to the specific needs of imparting trainings in special spheres. The Training unit has handheld GPS and differential GPS units in sufficient number so that trainees can have sufficient hands-on practice on these units. Lectures, practicals, discussions and field visits are organized in the training modules.

Faculty

Besides in-house resource persons, training staff also includes resource persons from Indian Institute of Remote Sensing (IIRS), Regional Remote Sensing Service Centre, Survey of India, Wildlife Institute of India (WII), ICFRE/FRI & experts from SFDs and other premier national institutions like IITs & National Remote Sensing Centre (NRSC) Hyderabad.

Eligibility

IFS officers, SFS officers and Forest Range Officers sponsored by different State/UT Forest Departments and the Government of India are eligible for participation in these courses. It is preferable that the candidate has some basic background knowledge of computer applications.

Accommodation

Accommodation is provided in the Training Hostel of FSI. The Training Hostel is equipped with suites and double bedded AC rooms with TV, lounge,



Training Accommodation

conference hall, internet and dining facility. Facility for indoor games like table tennis, carrom and chess are also available.

Fee & Expenses

There is no course fee for the participants sponsored by the State/UT Forest Departments. FSI also bears the boarding and lodging expenses of the participants attending the training courses. The traveling expenses etc. of the participants are required to be borne by the concerned Forest Departments.

Certificate

A certificate is awarded to the participants after satisfactory completion of the course.



Regular Training Courses Scheduled for 2017-18

1. New NFI design

Duration : One week
Number of course : One
Level of participants : Field staff of zonal offices of FSI
Dates : 10th - 14th July, 2017

Contents: This course is designed for field staff of FSI who are involved in carrying out inventory of forests and TOF. As the new NFI design has been launched and several new parameters have been introduced, training programme will help the participants to have a clear comprehension about new NFI design. The field staff of FSI will be invited in two groups from all the zones.



2. Forest cover mapping for 15th cycle

Duration : Two Days
Number of workshop : One
Level of participants : FSI staff of headquarters and zonal offices involved in FCM
Dates : 28th-29th August, 2017

Contents: The work of Forest Cover Mapping for 15th cycle is schedule to commence shortly as the satellite data for the entire country has been received. Before commencement of the FCM work, a two days training programme will be organized for elucidating different concepts of FCM.

3. DSS and e-Green watch

Duration : Two days
Number of courses : One
Level of participants : Staff of zonal offices of FSI and Regional offices of MoEF & CC
Dates : 29th - 30th June, 2017
Duration : One week
Number of courses : Two
Level of participants : ACF/DCF/CF
Dates : 18th-22nd September, 2017
: 6th-10th November, 2017

Contents: On the request of the MoEF & CC, FSI has devolved two web based GIS applications. The e-Green watch programme is meant for monitoring of plantations and other assets created under the CAMPA programme . The role of FSI in e-Green watch programme is to monitor the polygons uploaded by SFDs on plantations, pre- planting works and assets created under CAMPA.



Under DSS, FSI has integrated several GIS layers to facilitate quick decisions. FSI has established a DSS cell in all its zonal offices and also placed one

Programme for the Year 2017- 2018

Theme	No. of Courses	Level of Participants	Duration (Weeks)	June 2017	July 2017	Aug. 2017	Sept. 2017	Oct. 2017	Nov. 2017	Dec. 2017	Jan. 2018	Feb. 2018
New NFI Design	1	For FSI Staff of Zonal Offices	1		10-14							
Forest Cover Mapping for 15th Cycle	1	For FSI Staff of HQ & Zonal Offices	2 Days			28-29						
Decision Support system (DSS) & e-Green Watch	1	For FSI Staff of Zonal Offices & Regional offices of MoEF&CC	2 Days	29-30								
Decision Support system (DSS) & e-Green Watch	2	ACF/DCF/CF	1				18-22		06-10			
Forest Resource/Carbon Inventory for Preparation of Working Plan	2	WPO/ACF/RFO	1					9-13		4-8		
Application of RS/GIS in Preparation of Working Plan	2	WPO/ACF/RFO	1							18-22	15-19	
GPS/DGPS in Forest Surveys & Demarcation	1	DCF/ ACF/RFO/Forest Surveyors	1									05-09
New tools and techniques for preparation of working plan for integrated forest & biodiversity management and its implementation*	1	IFS* compulsory training course	1 Week					23-27				
* Forest Fire Monitoring and damage assessment*	1	IFS* Workshop	2 Days									26-27
Sensitization Course on Forest Resource Monitoring by FSI	1	Sr. IFS Officers of the rank of APCCF/PCCF	2 Days						23-24			

(*IFS officers for these courses are nominated and sponsored by the Ministry of Environment, Forests and CC, New Delhi)