



NEWS LETTER

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FOREST SURVEY OF INDIA

(Ministry of Environment, Forest and Climate Change)
Kaulagarh Road, Dehradun - 248195



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FROM THE DIRECTOR GENERAL'S PEN....

It gives me great pleasure to welcome you to the third issue of the Newsletter of Forest Survey of India. The highlight of this period was a visit by the Honorable Minister, Government of India, Ministry of Environment, Forests and Climate Change (MoEF&CC), Shri Anil Madhav Dave, to FSI. The visit gave an opportunity to the organization to rededicate itself to national goals in the presence of a visiting luminary. We also received at FSI a team from the World Bank to discuss techniques for forest inventory and forest fire monitoring and a Japanese delegation constituted under the Memorandum of Cooperation between the MoEF&CC and the Ministry of Agriculture, Forestry and Fisheries, Japan.

Technology is the cutting edge of progress in our age. The inventory of forests & trees outside forests as per the new NFI design is going on in full swing by the crews of the regional offices. Similarly, work on forest cover mapping of the 15th cycle is coming to an end with the teams visiting the field for ground truthing. At FSI we remain dedicated to the goal of remaining at the vanguard of technological achievement to provide the finest input for monitoring of forest resources.

Your suggestions are invited for further improvement of the Newsletter.

(Saibal Dasgupta)

VISIT OF HON'BLE MINISTER OF ENVIRONMENT, FORESTS & CLIMATE CHANGE TO FSI, DEHRADUN

Shri Anil Madhav Dave, Hon'ble Minister, Govt. of India, Ministry of Environment, Forests and Climate Change visited Forest Survey of India (FSI), Dehradun on 17th December 2016 and reviewed the activities of the organization. Shri Saibal Dasgupta, Director General, FSI welcomed Shri Anil Madhav Dave and apprised him of the key activities being undertaken in the Forest Survey of India including Forest Cover Mapping, Forest Inventory, Forest Fire Monitoring and pre-warning alert system and High resolution satellite data for precise monitoring of forest resources on the ground. A presentation on the newly developed e-Green Watch for CAMPA monitoring and Decision Support System for forest clearance activities was also given. Shri Anil Madhav

Dave also visited various laboratories established for forest cover mapping, e-Green watch, high resolution data processing, forest type mapping, inventory, forest fire monitoring and data centre and expressed his happiness over the initiative taken by Forest Survey of India for the Digital India Mission. Shri Dave observed that FSI is working towards Digital India for the Ministry as well as for the Country in the field of Remote Sensing and GIS. He appreciated the initiatives and hard work undertaken by FSI and conveyed his best wishes to the organisation in its endeavours. Dr. S.S. Negi, Director General Forests, Ministry of Environment, Forests and Climate Change, New Delhi, accompanied the Hon'ble Minister during his visit to FSI.



The Hon'ble Minister, Shri Anil Madhav Dave being escorted by Dr. S.S. Negi, DGF & Shri Saibal Dasgupta, DG, FSI during his visit to FSI



The Hon'ble Minister reviewing the methodology of Forest Fire Monitoring

VISIT OF JAPANESE DELEGATION TO FSI, DEHRADUN

A Joint Working Group was constituted under the guidelines of Memorandum of Cooperation (MoC) in the field of Forest and Forestry signed between the MoEF&CC, Government of India and the Ministry of Agriculture, Forestry and Fisheries, Japan. As per the Memorandum of Cooperation (MoC), periodical meetings will be held in respective countries annually to discuss and exchange views to draw a road map for enhancing cooperation in the field of sustainable forest management, HRD, forest conservation, biodiversity, effective utilization of



Meeting between the Japan delegation & officers of FSI & under the Chairmanship of DG, FSI

forest research, exchange of relevant policies on forest & forestry technologies and research & development in forestry sector.

The Japanese Delegation visited MoEF&CC, New Delhi, ICFRE, FSI and WII during 21st-24th November, 2016. The Delegation comprising of Mr. Shigeki Hata, Director and Mr. Kenro Takahashi, Section Chief, International Forestry Cooperation Office, Forestry Agency, Japan visited FSI, Dehradun on 22nd November, 2016.



The Japanese delegation visiting the labs in FSI

VISIT OF WORLD BANK TEAM TO FOREST SURVEY OF INDIA

A visit of FSI was made by the World Bank team during December, 2016 to study & discuss the techniques and methods adopted by FSI for forest inventory and forest fire monitoring exercises. The World Bank team comprising experts on forestry and environment visited the labs and other centres to have a first look and experience the work being carried out at FSI. They also discussed the mechanism being used for real time monitoring of forest fire & pre-warning alert system at FSI, Dehradun.

The members of the World Bank team emphasised the need for a more robust system of forest system dissemination of burnt scar assessment & pre-



The World Bank team holding a meeting with FSI Officials

warning alert system with a view to utilise the role of international agencies like NASA to collaborate and provide technical support in its endeavours.

VISIT OF US FOREST TEAM TO FSI, DEHRADUN

US Forest team visited FSI, Dehradun to discuss various areas of collaboration that included use of VHR data, pre-warning alert system on forest fire, new inventory design and integrating remote sensing data with field inventory data. Among other things, the role of technical collaboration between FSI, MoEF&CC and US Forest for devising new methods and techniques for effective

implementation of these programmes was discussed.

It was decided that the technical collaboration would involve knowledge exchange workshops, training in India and abroad and visits of scientists and officials of both sides for knowledge exchange and understanding of technology.

VISIT OF SHRI RAJANI RANJAN RASHMI, SPL. SECRETARY, MOEF&CC TO FSI

Shri R.R. Rashmi, Special Secretary, MoEF&CC, visited the FSI on 12th October, 2016. Shri Saibal

Dasgupta, DG, FSI welcomed Shri Rashmi and apprised him of various activities in progress at FSI.

Shri Rashmi was briefed about the initiatives being undertaken by FSI including Forest Fire Monitoring and use of Very High Resolution Data in forest assessment. At the end of his visit, Shri, Rashmi expressed profound satisfaction at the pioneering work being done by FSI. He congratulated the organisation for maintaining high quality of data and analysis in its report.



Shri R.R. Rashmi, Spl. Secretary, MoEF&CC visiting the labs in FSI

LAUNCH OF SAR PROTOCOL DOCUMENT

The SAR task group constituted under the aegis of MoEF&CC was entrusted with the task of constitution and creation of SAR data processing protocol document. The SAR Protocol Document preceded by a series of meetings by the SAR task group members was launched on 21st November, 2016 at MoEF&CC, New Delhi by Dr.

S.S. Negi, Director General, Forests. The document describes the methods & techniques for processing of SAR microwave data using open source and other techniques of analysis. This was followed by three days training programme by SAR task group members including members from University of Massachusetts, USA.

VISITS ABROAD

Shri Saibal Dasgupta, Director General, Forest Survey of India, participated in the first Advisory Group meeting for FRA 2020, held at FAO, Rome during 5-6 October, 2016. Shri Saibal Dasgupta is the member of the Advisory Group for Global Forest Resources Assessment, 2020. The Advisory Group (AG) is entrusted to review and make recommendations aimed at strengthening existing institutional networks, to make FRAs user-oriented and demand driven and closely linked with other international processes.

Shri Sushant Sharma, IFS, Sr. Deputy Director, FSI, participated in the Organisation-Led Initiative (OLI) on the development of global forest indicators to



support the implementation of the 2030 Agenda on Sustainable Development and the IAF Strategic Plan held at FAO, Rome, Italy from 28th to 30th November, 2016. OLI brought together 89 participants from 48 countries.

DESIGNING NATIONAL FOREST INVENTORY FOR SRI LANKA

Shri Prakash Lakhchaura, Deputy Director, Forest Survey of India, Dehradun and four officials namely Mr. S.S Jhingta, Senior Technical Assistant, FSI, North Zone Shimla, Mr. S. Sampat, and Mr. S.S. Kumbhare, both Senior Technical Assistants, FSI, South zone, Bengaluru and Mr. Nada Tadi, Junior

Technical Assistant, FSI, Central Zone, Nagpur were deputed by Forest Survey of India as resource persons to conduct a one-week field training programme for crew members and officials of Sri Lanka forest and wild life department at Colombo on National Forest Inventory. The training programme was organised by Sri

Lanka, UN-REDD during 17-21 October, 2016 at different places of Sri Lanka as per the LoA signed between FSI and FAO to design and develop National Forest Inventory (NFI) for Sri Lanka.

The main objective of the training programme was to conduct field exercises for the crew members of Forest and wildlife Departments of Sri Lanka on NFI, discuss the field forms and manuals prepared by FSI and detailed practical application in field. The field training was supervised by Mr. Prakash

Lakhchaura and Mr. Raushan Kumar, Forestry officer, FAO, Sri Lanka.

A one-week training programme was organised at FSI, Dehradun for Sri Lankan officials from 26-12-2016 to 30-12-2016 on "Data Processing". Fourteen Sri Lankan trainees participated in the training. They were given training on NFI design of Sri Lanka, process of generation of sample points, Field Manual prepared for NFI of Sri Lanka, description of NFI field forms, Data Entry Module, hands on exercise, data checking and processing etc.



FSI officials briefing the crew members & officials of Sri Lanka Forest Department

The participants in the field

FOREST FIRE NEW DEVELOPMENTS

The active fire spots or hotspots are the locations of fires irrespective of forest or agricultural land. From year 2012, the time duration between satellite pass and the time of dissemination of forest fire signals by FSI has been reduced to nearly 2 hours, thus making the mechanism of signal reception, processing and dissemination on a real time mode and from 2016, FSI has been generating semi-automation model for real time monitoring of forest fire. It has further reduced processing time. In coming fire session i.e. from February to June 2017, FSI will be using

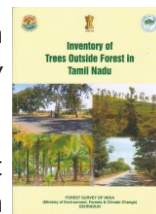
Moderate Resolution Imaging Spectro-radiometer (MODIS) data having on-board Terra and Aqua satellites (1km x 1km) and (SNPP) Suomi National Polar-orbiting Partnership (375mx375m) for dissemination of fire alerts. The system is being made more robust and FSI is planning to disseminate fire alerts upto beat level for at least 10 states whose boundary information has been received by FSI. FSI is also working on Pre-fire alerts and it is expected that pre-fire alerts would be sent to more number of states as compared to the precious year.

INVENTORY REPORT ON TREES OUTSIDE FORESTS OF TAMIL NADU

Trees Outside Forests (TOF), play an important role in the rural economy as a major proportion of timber, fuel wood and small wood being used by the people are coming from outside the forest areas. TOF exist in the form of small woodlots and block plantations, trees along linear features such as roads, canals,

bunds, etc. and scattered trees on farmlands, homesteads, community lands and urban areas.

Based on the request from the forest department, Govt. of Tamil Nadu in



December 2013, FSI carried out this study. The estimates of growing stocks for Tamil Nadu state were generated on the basis of information available for 20 inventoried districts of Tamil Nadu by FSI. The estimates have been generated according to agro-climatic zones provided by Tamil Nadu forest department. The species-wise state level estimates of stems, volume and their yields have also been generated. The report reveals that total estimated

stems in the TOF of Tamil Nadu is 200 million with estimated volume of 65.05 million cum.

The information provided in the report would help the State Forest Department and other stakeholders to chalk out appropriate policy for establishment of wood based industries in the state and also understand the production and supply position of timber, small wood and fuelwood.

TRAINING COURSES

FSI imparts training to forestry personnels working at various levels in State Forest Departments to sensitize them with the latest advancements in application of Remote Sensing & GIS for preparation of Working Plans, GPS Applications in Forest Survey and Demarcation, Application of GIS in Forest Resource Management etc. The following courses were conducted during the period September, 2016 - December, 2016.



The participants of training course for IFS Officers

Theme	Duration	Participants No	Level
Forest Resources/Carbon inventory for Preparation of Working Plan	05.09.2016 to 09.09.2016	09	WPO/ACF/RFO
New Tools Techniques for Preparation of Working Plan for Integrated Forest & Biodiversity Management & its implementation Decision Supporting System	26.09.2016 to 30.09.2016	23	IFS Officers
Forest Resources/Carbon Inventory for Preparation of Working Plan	24.10.2016 to 28.10.2016	17	WPO/ACF/RFO
Sensitization course on Forest Resource Monitoring by FSI	19.10.2016 to 20.10.2016	09	Sr. IFS Officers
DSS & e-Green Watch	07.11.2016 to 11.11.2016	20	ACF/DCF/CF
Environmental & Forest Statistics	15.11.2016 to 18.11.2016	10	ISS Probationers
Application of RS/GIS in Preparation of Working Plan	05.12.2016 to 09.12.2016	09	WPO/ACF/RFO
Five Days Training Programme on Data Processing	26.12.2016 to 30.12.2016	14	Delegates from Sri Lanka

VISITORS TO FSI

The activities of the organisation have always generated interest among foresters, scientists, academicians etc. It invariably figures in the itinerary of professional foresters visiting Dehradun.

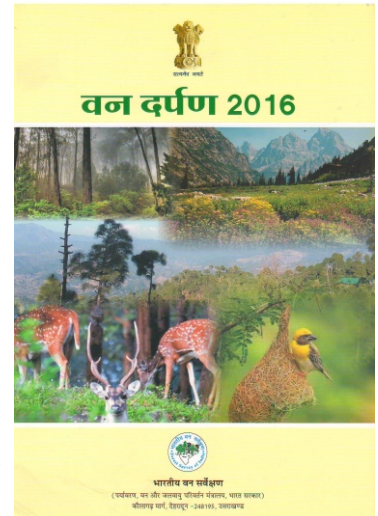
Scientists, researchers and students of forestry have always been among the regular visitors. Such visits have always been mutually rewarding. A list of groups who visited FSI during this period is given below:

Sl.No.	Name of organization	No. of officers	Date
1.	Training Workshop Officers Participant from CASFOS Dehradun	28	01.09.2016
2.	College of Agriculture Information Technology, Anand Agriculture University, Gujarat	23	09.09.2016
3.	Officers Class from FRI Dehradun	40	21.09.2016
4.	Undergraduate Students Group, Zakir Hussain Delhi College, University of Delhi	55	22.09.2016
5.	Training Course Participants from CASFOS Dehradun	44	24.11.2016
6.	IFS Officers Class from IGNFA	24	01.12.2016
7.	B.Sc. Forestry Students from College & Research Institute TNAU, Tamil Nadu.	46	05.12.2016

PROMOTION OF HINDI

संस्थान में राजभाषा हिंदी का प्रचार-प्रसार एवं कार्यान्वयन उत्तरोत्तर रूप से हो रहा है। महानिदेशक महोदय की अध्यक्षता में, हिंदी की तिमाही प्रगति रिपोर्ट की समीक्षा करने हेतु राजभाषा कार्यान्वयन समिति की बैठक दिनांक 02 दिसम्बर, 2016 को आयोजित की गई। बैठक में मुख्यालय सहित चारों आंचलिक कार्यालयों से प्राप्त तिमाही प्रगति रिपोर्ट की समीक्षा की गई। 30 सितम्बर, 2016 को समाप्त तिमाही में 'क', 'ख' एवं 'ग' क्षेत्रों को मूल रूप से हिंदी में किए गए पत्राचार का प्रतिशत क्रमशः 88.98%, 90.05% एवं 85.31% रहा। संस्थान में 22 दिसम्बर, 2016 को, लिपिक वर्गीय/ गैर लिपिक वर्गीय कर्मचारियों हेतु एक राजभाषा कार्यशाला का आयोजन किया गया। दिनांक 09 सितम्बर, 2016 से दिनांक 16 सितम्बर, 2016 तक 'हिंदी सप्ताह' का आयोजन किया गया। संस्थान में कार्यरत समस्त अधिकारी एवं कर्मचारी अपना अधिकांश शासकीय कार्य हिंदी में कर रहे हैं। सेवा पंजिकाओं में प्रविष्टियां अधिकतम हिंदी में की जा रही है।

सभी नामपट्ट एवं मोहरें द्विभाषिक हैं। दिनांक 16 सितम्बर, 2016 को 'हिंदी सप्ताह' समापन समारोह के अवसर पर, महानिदेशक महोदय के कर कमलों द्वारा संस्थान की वार्षिक राजभाषा पत्रिका 'वन दर्पण' का विमोचन किया गया एवं 'हिंदी सप्ताह' के दौरान संस्थान में आयोजित विभिन्न प्रतियोगिताओं के विजेताओं को पुरस्कार प्रदान किए गए। इस अवसर पर संस्थान में एक काव्य-गोष्ठी का भी आयोजन किया गया जिसमें नगर के प्रतिष्ठित कवियों ने अपनी कविताओं का पाठ किया।



हिंदी सप्ताह के दौरान काव्य गोष्ठी का उद्घाटन करते हुए महानिदेशक महोदय



भारतीय वन सर्वेक्षण की वार्षिक राजभाषा पत्रिका 'वन दर्पण' का विमोचन करते हुए महानिदेशक महोदय तथा अन्य अधिकारी

PARTICIPATION IN WORKSHOP, SEMINARS, EXCHANGE PROGRAMS, MEETINGS ETC.

1. Shri B.D. Suyal, IFS, Regional Director, NZ, Shimla attended One Week Compulsory Training Course on 'Financial Management and Audit Specialization' held at Institute of Rural Management Anand (IRMA) Gujarat from 3rd - 7th October, 2016.
2. Shri B.D. Suyal, IFS, Regional Director, NZ, Shimla attended 2 day's Senior Foresters workshop for IFS officers on completion of 30 years of service at IGNFA, Dehradun from 20th - 21st October, 2016.
3. Shri Nada Tadi, JTA, CZ, Nagpur, Shri S. Sampath, STA, SZ, Bengaluru, Shri S.S. Kumbhare, STA, SZ, Bengaluru and Shri S.S. Jhingta, STA, NZ, Shimla were part of the FSI team which visited Sri Lanka from 16th - 22nd October, 2016 as part of FSI Outreach Programme to train officials of Sri Lankan Forest Department on National Forest Inventory System under UN-REDD Programme.
4. FSI, Eastern Zone, Kolkata participated in workshop organised by State Forest Department, Arunachal Pradesh on Forest Conservation Act and related issues on 25th & 26th November, 2016. Team of FSI, EZ demonstrated the implementation of Decision Support System (DSS), e-Green Watch and New Inventory Design to the participants of SFD, Arunachal Pradesh and clarified their doubts on several matters. Shri Ajaya Kr. Naik, IFS, Regional Director, Shri Ashok Kumar Biswal, IFS, Sr. Deputy Director and Shri Anupam Ghosh, Sr.Tech. Associate participated from the zone.
5. A meeting of all the Regional Directors was convened by the Director General, FSI on 9th December, 2016 to discuss various issues relating to budgetary allocation for the current financial year, field work under new NFI design and other issues.
6. Shri A.K. Biswal, Sr. Deputy Director participated in one week compulsory training for IFS officers on "Integrated Approach for Sustainable Development of Fragile Desert Eco-System" at Arid Forest Research Institute, Jodhpur, Rajasthan, from 19th-23rd December, 2016.

NEWS FROM ZONES

Central Zone, Nagpur

New NFI Design: Regular field work as per new NFI design commenced from mid-September, 2016 with deployment of 10 field parties, 3 in Maharashtra, 4 in Madhya Pradesh and 3 in Chhattisgarh. In the month of November, 2016, field parties were reconstituted with a view to commence the field inventory in

Gujarat State also. By the end of December, 2016, a total of 797 forest inventory plots, 1005 TOF (Rural) and 61 TF (Urban) have been inventoried.

Forest Cover Mapping: Work of forest cover mapping of five states allotted to this zone has been continuing smoothly as per the schedule.

Southern Zone, Bengaluru

Forest Cover Mapping: Rectification and classification of satellite imageries of Karnataka & Tamil Nadu states for the 15th cycle were completed by the end of December, 2016 and the ground truthing of change areas will be started in the month of January, 2017.

Training:

1. Two days training programme on "Tree Identification" was conducted for the technical staff of FSI, SZ on 26th & 27th September, 2016. Various techniques on identification of important tree species during the field visit to Bisle Forest

(Western Ghats), Hassan on 27th September, 2016 were discussed.

2. To make our technical persons more familiar to the newly included parameters, two days training programme was organized for the technical staff of FSI, SZ on “Pests and Diseases of Trees” at Bengaluru. Dr.Raja Muthukrishnan, Retired Entomologist & Dr. Nagaveni, Retired pathologist from Indian Wood Science and Technology, Bengaluru took a guest

lecture on 29th September, 2016 and took them for field visits on 30th September, 2016.

Hindi: Hindi week was organized in this office from 14th-20th September, 2016 and many competitions were organized for the staff to understand and to promote Hindi.

One day Hindi Workshop was organized on 29th December, 2016. Shri Ajay Kumar Srivastava, Assistant Director, Hindi Training Section, Bengaluru delivered a guest lecture on “Hindi word sequence”.

Eastern Zone, Kolkata

Forest Inventory: FSI, Eastern Zone has completed the data entry and checking of the Forest & TOF (R&U) Inventory data of the district of Sonitpur (Assam), Wokha (Nagaland), Palamu (Jharkhand) and Bardhaman (West Bengal) and sent the finalised data to the Headquarter the month of November, 2016. Hence, the target for 2015-16 under the old Inventory design has been completed. The Inventory work under new NFI design is under progress in the state of West Bengal, Assam, Odisha and Arunachal Pradesh simultaneously.

Sunderban Kristi Mela: FSI, Eastern zone, participated in the “Sunderban Kristi Mela o Loko-Sanskriti Utsab” held during 20th-29th December, 2016. The zone showcased its activities and overall activities of FSI at country level, achievements through posters, hoardings and exhibition of publications and also distributed brochures containing brief introduction about FSI. A memento to FSI has been awarded by the Mela Authority for the presentations and participation.

Visit of Director General, FSI to EZ, Kolkata: Director General, FSI visited EZ, Kolkata on 26th December, 2016 and discussed about the assigned targets, achievements, constraints and other official activities. He also visited the exhibition stall of FSI in “Sunderban Kristi Mela” on 27th December, 2016 and applauded the

entire effort by FSI, Eastern Zone team. Subsequently, he inspected the inventory work in Sunderban Forest area along with the Regional Director and Sr. Deputy Director and had a discussion about the progress and constraints with RD and Sr.DD.

इस कार्यालय में हिन्दी पखवाडा का आयोजन दिनांक 14 से 28 सितम्बर, 2016 तक आयोजित किया गया। इस दौरान कई कार्यक्रम व प्रतियोगिताएँ आयोजित की गई एवं विजेता प्रतिभागियों को पुरस्कार वितरण किए गए। राजभाषा कार्यन्वयन समिति की तिमाही बैठक क्रमशः दिनांक 30 सितम्बर 2016 से 30 दिसम्बर 2016 को आयोजित की गई। इन बैठकों में हिन्दी के प्रगामी प्रयोग से संबंधित विषय पर चर्चा की गई तथा हिन्दी के अधिकाधिक प्रयोग पर बल दिया गया।



Participation of FSI in “Sunderban Kristi Mela”

Northern Zone, Shimla

Forest Inventory/Data Processing: During the period under report, Forest Inventory was carried out in Himachal Pradesh, Uttar Pradesh and Rajasthan with the survey of 397 FI grids, 1229 Rural grids and 101 Urban grids.

Training: The following trainings were organised for H.P. State Forest Department Range Officers, Dy. Rangers, Beat Officers and Forest Guards by FSI-NZ, Shimla.

Topic	Venue	Date	Trainer	No. of Trainees
Forest Resource Assessment	FTI- Sundernagar (H.P.)	17.11.2016 to 18.11.2016	Shri Ashwani Kumar and Shri Ajay Kumar, STA	23
Forest Resource Assessment	FTI- Sundernagar) (H.P.)	22.11.2016 to 23.11.2016	Shri Ashwani Kumar and Shri Ajay Kumar, STA	19
Forest Resource Assessment	HFRI	24.11.2016	Regional Director (North Zone, Shimla)	29

REPATRIATION / RETIREMENT / JOINING

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| <p>Shri N.K. Roy, Driver, Grade-I, FSI, EZ, Kolkata retired on VRS from service on 1st September, 2016.</p> <p>Shri S.S. Kataik, IFS, Deputy Director, NZ, Shimla repatriated to their parent department on 30th September, 2016 on completion of central deputation.</p> <p>Shri E. Vikram, IFS has joined as Deputy Director in FSI, Headquarter, Dehradun w.e.f. 30th September, 2016.</p> <p>Smt. Ravinder Kaur, Sr. PS, FSI (Headquarter), Dehradun retired from service on superannuation on 30th September, 2016.</p> <p>Shri H.K. Tripathi, DPA Grade 'B', FSI (Headquarter), Dehradun retired from service on superannuation on 30th September, 2016.</p> <p>Shri Besar Dutt, Deputy Ranger, NZ, Shimla retired on his superannuation on 30th September, 2016.</p> <p>Shri Amit Ravi, JTA relieved from NZ, Shimla on 21st October, 2016 due to his new appointment in other department.</p> <p>Shri B.N. Roy, STA, Eastern Zone, Kolkata retired from service on superannuation on 31st October, 2016.</p> <p>Shri D.S. Gulkari, Sr. Draughtsman, Central Zone, Nagpur retired from service on superannuation on 31st October, 2016.</p> | <p>Km. Karuna Saini has joined as DPA Grade 'A' in FSI, Headquarter, Dehradun w.e.f. 11th November, 2016.</p> <p>Shri Yogesh Kumar has joined as DPA Grade 'A' in FSI, Headquarter, Dehradun w.e.f. 18th November, 2016.</p> <p>Shri Ganesh Shanker Baurai, Superintendent, FSI (Headquarter), Dehradun retired from service on superannuation on 30th November, 2016.</p> <p>Shri Kamaljeet Singh, IFS was transferred to Regional Office, MoEF&CC, FRI Campus, Dehradun w.e.f. 30th November, 2016</p> <p>Shri V.N. Ambade, IFS, Regional Director, FSI, Central Zone, Nagpur was relieved on 13th December, 2016. Shri Ashutosh, IFS, Regional Director, FSI, SZ, Bangaluru took over the charge of this zone from Shri V.N. Ambade on 13th December, 2016</p> <p>Shri Sunil Kumar M. has joined as Driver at FSI, SZ, Bangaluru on 15th December, 2016.</p> <p>Shri N.S. Mathur, Assistant Director, FSI (Headquarter), Dehradun retired from service on superannuation on 31st December, 2016.</p> <p>Shri G.S. Rautela, STA, FSI (Headquarter), Dehradun retired from service on superannuation on 31st December, 2016.</p> <p>Shri Shyam Lal, Deputy Ranger, FSI (Headquarter), Dehradun retired from service on superannuation on 31st December, 2016.</p> |
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“आज व आने वाले कल का समय रिमोर्ट सेंसिंग से संसार को समझने व संचालित करने का है। यह संस्थान मंत्रालय व देश के लिए उत्तम परिश्रम पूर्वक कार्य कर रहा है। कार्य में लगे सभी सदस्यों का बधाई व शुभकामनाएँ।

**अनिल माधव दवे, माननीय राज्य मंत्री (स्वतंत्र प्रभार)
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार**

“I am impressed by the quality of data and analysis having done by FSI through its systems and labs. A pioneering and outstanding work indeed. FSI team and leadership needs to be complimented. A very valuable work that should be supported and scaled up.”

**R.R. Rashmi
Special Secretary, Ministry of Environment, Forests & Climate Change**

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