



NEWS LETTER

MARCH, 2018 - SEPTEMBER, 2018
VOLUME 1 | ISSUE 7



FOREST SURVEY OF INDIA
(Ministry of Environment, Forest and Climate Change)
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FROM THE DIRECTOR GENERAL'S PEN....

I feel delighted to present the 7th issue of Forest Survey of India's News Letter to the esteemed audience of this prestigious institution. I feel privileged to join this great institution as Director General on 15th June, 2018. This being my third tenure in this organization I feel like coming back to my turf.

Forest Survey of India continues its glorious journey in meeting the forest resources information needs of the country. While forestry sector of the country is facing new challenges in terms of increasing pressures on forests for diverse material and eco-system services needs of the society, increasing requirement of forest land for developmental activities, danger of shrinking biodiversity and on top of that threat of climate change is looming large on forests. The multi-faceted challenges in sustainably managing forests require strategies based on scientific data, close monitoring and technology based decision support systems. FSI has equipped itself to play an important role in this scenario. Methodologies of its premier nationwide activities i.e. Forest Cover Mapping and National Forest Inventory have been refined in tune with the emerging technologies and further modernization and value addition is under implementation, revision of the previous Forest Type Mapping with latest inputs is underway, satellite data based near real time forest fire detection has been further strengthened and a protocol for an early warning alert based on weather data, forest fuel, topography etc. has also been standardized, assessment of bamboo, availability of wood from trees outside forests for setting up industries, monitoring of plantations, use of Radar data in biomass mapping of the country are among the numerous projects wherein FSI is engaged with the institutions and diverse stakeholders including State Forest Departments.

I look forward to your valued feedback on the activities and output of the organization for enabling us in serving the country better.

(Dr. Subhash Ashutosh)

STUDY VISIT OF PARLIAMENTARY STANDING COMMITTEE ON SCIENCE AND TECHNOLOGY, ENVIRONMENT AND FORESTS TO FOREST SURVEY OF INDIA, DEHRADUN ON 31ST MAY, 2018.

The parliamentary standing committee on Science and Technology, Environment and Forests under the chairmanship of Shri Anand Sharma, MP visited Forest Survey of India, Dehradun on 31st May, 2018. The hon'ble chairman inaugurated the meeting with a brief note on the objective of the visit to Forest Survey of India, Dehradun.

Shri Saibal Dasgupta, ADG (FC) and the then In-charge of Director General, Forest Survey of India, Dehradun gave a

detailed presentation on the activities of Forest Survey of India followed by the discussion on the questions raised by the members of the parliamentary standing committee on forest fires and forest cover mapping followed by discussions on draft National Forest Policy.

This meeting was attended by the senior officials of Forest Survey of India, representatives of Uttarakhand Forest Department and MoEF&CC, New Delhi.



The Forest Survey of India has made a notable contribution in mapping the country's forest cover. The institute has evolved over the years and has embraced new technologies and satellite mapping, which helps in higher accuracy. Best wishes.

Remarks made by Shri Anand Sharma, MP on visitor's book of FSI.

RELEASE OF 'MANUAL FOR FOREST COVER MAPPING' 2018

Forest Survey of India has been keeping pace with the changing Technology in order to take maximum advantage of Scientific and Technical Development. The Forest Cover Mapping methodology was recently updated to include NDVI based masking of non forest areas and vector based change documentation approach. To incorporate these two major changes the version 1.2 of the Forest Cover Mapping Manual was prepared by Forest Geo-informatics Division. This Manual was released by Secretary, Environment, Forest & Climate Change, Govt. of India Sh. C.K. Mishra during his visit to FSI on 16th August, 2018.



SUB REGIONAL WORKSHOP FOR SOUTH AND CENTRAL ASIA ON GLOBAL FOREST RESOURCES ASSESSMENT 2020 (FRA 2020)

Sub-regional workshop for South and Central Asian Countries on Global Forest Resource Assessment 2020 (FRA 2020) to discuss the objectives, Strengthening FRA 2020 on-line platform was held during 24th to 27th July 2018 at FSI, Dehradun. The workshop was attended by participants including representatives from FAO, FRA and delegates from 10 South Asian countries. During the workshop, discussion and deliberation was held on filling of country report for FRA 2020. Shri Siddhanta Das, Director General of Forests & Special Secretary graced the occasion by chairing a technical session on the 2nd day of the workshop.

The workshop was attended by participants including representatives from FAO, FRA Ms. Monica Garzuglia, Forestry Officer & Mr. Örjan Jonsson, Forestry Officer, Mr. MD Zaheer Iqbal, Dy. Conservator of Forests (Bangladesh Forest Department), Mr. Dorji Lobzang, Chief Forestry Officer (Ministry of Agriculture & Forest, Forest Resources Development Division, Department of Forest & Park Services), Bhutan, Mr. Deepak Kumar Kharal, Director General, Ministry of Forest & Soil Conservation, Department of Forest Research & Survey), Nepal, Mr. Hassan Ibrahim, Dy. Director (National Parks Board, National Biodiversity Center/ Terrestrial), Singapore, Mr. K.T. Premakantha, Regional Dy. Conservator of Forest Department, Forest Management and Silviculture Division, Sri Lanka, Dr. Subhash Ashutosh, Director General & Mr. Prakash Chandra Lakhchaura, Dy. Director Forest Survey of India (MoEF&CC), India.



FAO-TCP PROJECT

On Completion of the FAO-TCP project FSI organized a terminal workshop on 17th March, 2018 at Forest Survey of India. During the workshop, Synthesis Report of the project was released and deliberations were held on “Outcomes of the project and way forward”. A website

has been created by FSI on FAO TCP project which gives all relevant details of the project, proceedings of the workshop, reports of all the consultants and synthesis report. The website was also launched during the workshop.



VISIT OF SH. LAHKMEN RYMBUI, HON'BLE MINISTER OF FOREST & ENVIRONMENT, GOVT. OF MEGHALAYA

Sh. Lahkmen Rymbui, Honorable Minister of Forest & Environment Govt. of Meghalaya visited Forest Survey of India on 24th August, 2018 to understand the various kinds of projects being carried out by FSI and also to identify areas of cooperation between the State of Meghalaya and Forest Survey of India. Joint Director welcome the Honorable Minister which is followed by a

presentation of various activities of FSI. During his speech the Honorable Minister emphasised on the rich biodiversity and forest wealth of Meghalaya and the need for the application of advance technologies for the forest management. The meeting concluded with the thanks by the Joint Director Meenakshi Joshi and a visit to various labs of FSI.



THREE DAYS TRAINING COURSE ON SAR DATA PROCESSING AND APPLICATIONS

A three days training from 29th to 31st August, 2018 on the SAR data processing & its application is organised at FSI with the collaboration with SAC, Ahmedabad. In this training Dr. C.P. Patnaik & Dr. Anup Das scientist from

SAC gave valuable information on basics of SAR, and interpretation of SAR data for biomass estimation with the help of field inventory data.



APPLICATIONS OF DRONES IN FORESTRY SECTOR

Unmanned aircraft vehicles (UAVs) are aircraft systems without human pilot on board. They are often called as

Drones and its awareness is being increasing nowadays in the industrial and government sectors. The UAVs reduce

the cost of technology and enhance the value of information gathered. Drones are widely being used in Agriculture, Forestry, Mining, Railways, Industries, Power etc. FSI has started working on procurement of drones and one training programme on Application of Drones has been scheduled in November, 2018. The thrust areas where drones can be applied in forestry sector are as follows:

1. Protection of forest and wildlife

Our country has high biodiversity and our forests have some of the valuable timber species and precious wildlife. Due to increase in the demand of valuable timber species and wildlife products the existence of rare and important species is threatened.

With the day light sensors, thermal sensors (night) vulnerable forest areas/ highly important forest patches, Individual species can be monitored continuously for any illegal efforts to kill/ poach / extract and thus protecting the important and valuable resources of forest.

2. Movement of wildlife/corridors

Animals like elephants tend to move on a definite route and such routes are called as corridors. With the help of drones mounted with day light/ thermal sensors the entire movement of the herd of elephants can be monitored and studied. Moreover, solitary animals like tiger, panther etc exhibit the marking of territory, home range that can be also be monitored and studied.

3. Forest type cover monitoring

Champion and Seth (1968) has categorized the Indian forests into 06 major groups, 16 groups and 200 types. Forest Survey of India has mapped the 178 types out of 200 types in 2011. With the help of multispectral sensors, we can find out the health and extent of the forest under individual types.

4. Human animal conflict

Drones can be effectively used to mitigate the human animal conflict with the help of effective sensors. We can

monitor the moment of the man-eaters and track them and thus helping to isolate the animal. Similar exercise was carried out in Jim Corbett National Park. Drones can be also useful in tracking the moment of the elephants near the boundaries of the villages and thus the helping both the forest department and fringe villagers to act swiftly in order to prevent any economic and life loss.

5. Management and prevention of forest fires

Drones can save lots of human as well as forest lives by handling the forest fires more effectively, For example: drones can track the forest fires and keep the frontier forest personnel updated.

6. Detecting Encroachments

With the increasing population, forests lands are susceptible to more encroachments. With the help of drones the forest boundaries can be effectively monitored and any deviation can be found out immediately and steps may be taken to remove it.

7. Drones for boundary demarcation

Drones can be effectively used in demarcating the boundaries of the forest on high mappable scale which will be highly helpful in effective forest management.

8. Monitoring the diverted lands

As per the provisions of Forest Conservation Act, 1980, forest lands can be used for non-forestry purpose only after getting the approval of the Union Government. By using the drones the purpose for which the land was diverted and the extent of area can be effectively monitored.

9. Drones and mining of rivers

Indian rivers have been illegally mined for both sand and boulders which are used in construction purpose. The hon'ble Supreme Court has imposed a ban on it for regularizing the mining activities in the rivers. With the help of drone technology the rivers and their tributaries can be monitored continuously for any illegal mining.



TRAINING ON E-GREEN WATCH & HANDLING OF GPS TO MADHYA PRADESH FOREST DEPARTMENT

A five day training program on handling of GPS & e-Green watch was conducted by resource persons of FSI at Bhopal to train the officials of Madhya Pradesh Forest Department from 12th March to 16th March 2018.

The field Forester's and DEO's were given hands training on handling the GPS, transferring the data from GPS to

computer and detailed training on how to use e-Green watch portal.

A total of 172 field foresters from all divisions of Madhya Pradesh Forest Department attended the training. The training was well appreciated highly rated and it was requested to conduct similar trainings in future.



THREE DAYS TRAINING COURSE FOR OFFICERS OF KARNATAKA FOREST DEPARTMENT ON NATIONAL WORKING PLAN CODE 2014

Three Days Training Course for Officers of Karnataka Forest Department on National Working Plan Code 2014 was held during 17th to 19th September 2018 at FSI, Dehradun. Training was dedicated towards imparting role of Remote Sensing, GIS in preparation of Working Plan as per National Working Plan Code 2014. The course covered topics related to Geomatics and Statistical techniques in Forest Resource assessment, Biomass Expansion Factor, TOF Assessment.



CELEBRATION OF WORLD ENVIRONMENT DAY 2018

World Environment Day is celebrated on the 5th of June every year. India was the global host of World Environment Day- 2018 and the theme for this year was 'Beat Plastic Pollution'.

Forest Survey of India, Dehradun celebrated the World Environment Day-2018 with full enthusiasm by organising various events and activities between 15th May, 2018 and 5th June, 2018.

The celebrations for WED 2018 began with a 'Cleanliness drive' which was carried out on 15th May, 2018 in the entire FSI office complex with the motto to make the campus a plastic-free



Lecture by Smt. Kavita Chaturvedi

zone. On 17th May, 2018, Smt. Kavita Chaturvedi, Secretary, Janki Devi Education Welfare Society, an NGO involved in producing eco-friendly products; was invited to deliver a guest lecture on "Minimizing the use of plastics and its harmful effects to the environment". To bring out innovative ideas, a seminar on the topic 'Role of Remote Sensing and GIS in Beating the Plastics' was also organised on 17th May, 2018 for the Technical Staff of FSI. A team from Forest Survey of India visited Central Academy for State Forest Service (CASFoS), Dehradun on 30th May, 2018 to get educated on city farming model for managing home-generated organic wastes.

FSI also conducted a Drawing Competition for children in the age group of 2-15 years on the theme 'Beating the Plastics' and a Poster-Video making Competition on the theme 'Forest Fires' for the FSI staff on 1st June, 2018. A team from CASFoS, Dehradun visited FSI to demonstrate the city farming model for managing organic wastes at the office campus for the FSI Personnel and families.



Managing organic wastes



Drawing Competition for children

The prize distribution ceremony was held on 5th June, 2018. The winners as well as all the participants of various competitions were honoured with prizes and certificates by the Chief Guest, Sh. Saibal Dasgupta, ADG (FC), MoEF&CC and Director General, FSI. On this occasion, FSI also banned the use of single use plastic water bottles in FSI.

NSDI WORKSHOP ON "FME DESKTOP: BASIC TRAINING COURSE" AT KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY, BENGALURU

A two days Training on 'FME Desktop: Basic Training Course' was organised by NSDI and Karnataka State Council for Science and Technology, Bengaluru from June 28th-29th, 2018. The objective of the workshop was to

make trainees familiar with the usage of FME Desktop. Participants from different Nodal agencies participated in the training and from FSI, Sh. R Arun Kumar, Dy. Director, FSI and Sh. Nirmal Singh, Sr. TA participated in the Training.

NSDI WORKSHOP ON "GEOSPATIAL CLOUD: ENABLING DATA AND APPLICATION SERVICES" AT DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, IIT KHARAGPUR

A three days Workshop on 'Geospatial Cloud: Enabling Data and Application Services' was organised by NSDI and Spatial Data Science Laboratory [SDSL], Department of Computer Science and Engineering, IIT Kharagpur from May 16th-18th, 2018. The objective of

the workshop was to share the knowledge of accessing and enabling data using Geospatial Cloud services. Participants from different Nodal agencies participated in the workshop and from FSI, Sh. Nirmal Singh and Sh. Sumit Bhatt participated in the workshop.

FOREST CARBON STOCK AND BAMBOO RESOURCES ASSESSMENT IN NAGALAND (PHASE-II)

On the request of Nagaland Forest Department, an additional report on forest carbon and bamboo resources of Nagaland is to be prepared from the data collected during the field inventory on forest resources.

Forest type and density wise Forest Carbon Stock under different carbon pools and Quality Wise Bamboo Resources in the state of Nagaland will be estimated under the project.

AVAILABILITY OF TIMBER FOR WOOD BASED INDUSTRIES IN UTTAR PRADESH

On the request of the Uttar Pradesh Forest Department, Forest Survey of India carried out exercise to assess estimation of availability of timber and yield in trees outside forest for those districts which were inventoried and agro-climatic zone wise for entire state for

establishment of wood based industry. The project was started in February, 2017 and completed in December, 2017 successfully. Final report has been submitted to Uttar Pradesh Forest Department.

RAJASTHAN PROJECT

FSI team conducted a two day training programme at Jaipur on 23rd and 24th of April 2018 to impart training on sampling design, field manual and field forms to the field staff of Rajasthan Forest Department and demo was also organised

in field to SFD officers and officials at Jaipur regarding laying out plot and collection of data. Sample point for inventory of TOF (Rural) for 8 districts has been generated and sent to Rajasthan Forest Department for inventory.

INTERNATIONAL YOGA DAY 2018

Forest Survey of India, Dehradun under the leadership of Dr. Subhash Ashutosh, Director General, Forest Survey of India, Dehradun participated in the mega event (International Yoga Day) inaugurated by our Hon'ble Prime Minister of India Shri Narendra Modi Ji on 21st June, 2018. 76 employees including officers from Forest

Survey of India, Dehradun attended the International Yoga Day and practiced asanas in the event.

The common protocol of yoga circulated by the Ministry of AYUSH which includes basic asanas, pranayama and meditation was performed by all our participants at the International Yoga Day.



TRAINING COURSES

FSI imparts trainings to forestry personnel 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 March, 2018 June, 2018.

Theme	Duration	Participants No	Level
Sampling Design & Field Manual	23.04.2018 to 24.04.2018		Rajasthan Forest Dept.
Forest & Environment Statistics	01.05.2018 to 04.05.2018	26	ISS Probationers
New National Forest Inventory Design	16.07.2018 to 20.07.2018	20	Zonal Staff of FSI
New National Forest Inventory Design	06.08.2018 to 10.08.2018	22	Zonal Staff of FSI
Application of RS/GIS in Preparation of Working Plan	03.09.2018 to 07.09.2018	10	WPO/ACF/RFO
National Working Plan Code 2014	17.09.2018 to 19.09.2018	20	Karnataka Forest Dept.
Application of RS/GIS & Inventory in Effective Forest Planning & Management	24.09.2018 to 28.09.2018	18	IFS officers

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:

S.No.	Name of organization	No. of participants	Dates
1.	Kashmir Forest Training School	22	07.03.2018
2.	C.S. Azad University Kanpur	47	27.03.2018
3.	CASFOS Dehradun	44	12.04.2018
4.	Karnataka Forest Academy Gungargatti Mummigatti Dharwad	44	27.04.2018
5.	Rani Laxmi Bai Central Agricultural University	14	16.05.2018
6.	Karnataka Forest Academy, Dharwad	40	24.05.2018
7.	IIRS, ISRO Dehradun	6	30.05.2018
8.	FRO's Unit from Telangana Forest Acedemy, Hyderabad	67	01.06.2018
9.	FRO's Haldwani	29	11.06.2018
10.	FRO Trainees Kundal Forest Academy Sangli, Maharashtra	34	04.07.2018
11.	Tamil Nadu Forest Academy Coimbatore, Tamil Nadu	32	10.09.2018
12.	Forest Training Institute (HP)	48	14.09.2018
13.	Uttarakhand Forestry Training Academy, Haldwani	29	18.09.2018
14.	Central Academy for State Forest Service, Assam	32	25.09.2018

PROMOTION OF HINDI

संस्थान में राजभाषा हिंदी का प्रचार-प्रसार एवं कार्यान्वयन उत्तरोत्तर रूप से हो रहा है। भारतीय वन सर्वेक्षण, देहरादून में महानिदेशक महोदय की अध्यक्षता में राजभाषा कार्यान्वयन समिति गठित की गई है।

हिंदी के प्रगामी से संबंधित तिमाही प्रगति रिपोर्ट की समीक्षा समीक्षा करने हेतु राजभाषा कार्यान्वयन समिति की बैठक दिनांक 29 जून, 2018 को आयोजित की गई। बैठक में मुख्यालय सहित चारों



आंचलिक कार्यालयों से प्राप्त तिमाही प्रगति रिपोर्ट की समीक्षा की गई। तिमाही के दौरान 'क', 'ख' एवं 'ग' क्षेत्रों को मूल रूप से हिंदी में किए गए पत्राचार का प्रतिशत क्रमशः 90.25%, 93.39% एवं 88.09% रहा। संस्थान में 12 जून, 2018 को, राजभाषा कार्यशाला का आयोजन किया गया जिसमें समस्त लिपिक वर्गीय कर्मचारियों ने भाग लिया। साथ ही 30 सितम्बर, 2018 को समाप्त तिमाही में 30 जुलाई, 2018 को राजभाषा कार्यान्वयन समिति की बैठक आयोजित की गई तथा 9 अगस्त, 2018 को राजभाषा कार्यशाला का आयोजन किया गया।

भारतीय वन सर्वेक्षण, देहरादून में 4 सितम्बर, 2018 से दिनांक 14 सितम्बर, 2018 तक 'हिंदी पखवाड़ा' का आयोजन किया गया। दिनांक 4 सितम्बर, 2018 को महानिदेशक महोदय ने 'हिंदी पखवाड़ा' समारोह का विधिवत् उद्घाटन किया। इस अवसर पर हिंदी कविता पाठ प्रतियोगिता का भी आयोजन किया गया। हिंदी सप्ताह के दौरान संस्थान में निबंध लेखन, टंकण, वाद-विवाद, टिप्पण/प्रारूप एवं अनुवाद तथा प्रश्न-मंच जैसी ज्ञानवर्धक एवं रोचक प्रतियोगिताओं का आयोजन किया गया, जिसमें संस्थान के सभी अधिकारियों एवं कर्मचारियों ने उत्साह पूर्वक बढ़-चढ़कर भाग लिया।

दिनांक 14 सितम्बर, 2018 को 'हिंदी पखवाड़ा' समापन समारोह का आयोजन किया गया। इस अवसर पर डॉ. सुभाष आशुतोष, महानिदेशक, भारतीय वन सर्वेक्षण ने दीप प्रज्वलित कर समारोह का विधिवत् शुभारम्भ किया एवं सभागार में उपस्थित सभी गणमान्य अतिथियों एवं संस्थान के सभी अधिकारियों एवं कर्मचारियों को संबोधित किया।

'हिंदी पखवाड़ा' समापन समारोह के अवसर पर, महानिदेशक महोदय के कर कमलों द्वारा संस्थान की वार्षिक राजभाषा पत्रिका 'वन दर्पण' का भी विमोचन किया गया एवं 'हिंदी पखवाड़ा' के दौरान संस्थान में आयोजित विभिन्न प्रतियोगिताओं के विजेताओं को प्रथम, द्वितीय, तृतीय एवं सांत्वना पुरस्कार प्रदान किए गए। इस अवसर पर संस्थान में एक काव्य गोष्ठी का भी 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। पुस्तकालय में पर्याप्त मात्रा में हिंदी साहित्य उपलब्ध है।

NEWS FROM ZONES

Central Zone, Nagpur

INTERNATIONAL BIO-DIVERSITY DAY

International Bio-diversity Day was observed on 22nd May, 2018. Various programmes were organized at the Zonal Office to create awareness on this occasion. The zonal staff actively participated in Extempore Speech Competition, Essay writing, Identification of flora and fauna species and paintings were invited from the wards of officials of this office. Prizes were distributed to the winners in all the events.

WORLD ENVIRONMENT DAY

World Environment Day was also observed in a befitting manner on 5th June, 2018 in the zonal office. Sh. Suryakant S. Dhoke, Sr. Technical Director, NIC, Nagpur was invited as Chief Guest on the occasion. A video clip was screened on the occasion highlighting the manner in which plastic is polluting our environment. An exhibition of photographs captured by the staff during field visits was organized and the winners were decided by the Chief Guest and the Regional Director. Winners of competitions conducted on the International Biodiversity Day as well as the World Environment Day were given prizes by the Chief Guest. The winners of the photography competition

were as under :

- Sh. Prashant Pimpale, JTA;
- Sh. Rajesh Dhanawade, JTA;
- Sh. Anil Biala, Ex. AD & Consultant.

MEETING/TRAINING

- Shri P. Subramanyam, IFS, Regional Director, FSI, CZ, Nagpur, attended a meeting of Jharkhand Forest Department at Ranchi on 11th April, 2018 to apprise and train the State Forest Officers in various aspects of forest resource mapping, inventory and assessment.
- Shri B.H. Naik, Assistant Director, of this zone attended a training programme sponsored by USAID on 'Forest Fires Management' from 16th to 20th April, 2018 at Missoula Montana, USA.
- Shri P. Subramanyam, IFS, Regional Director, FSI, CZ, Nagpur, attended the 2nd National Dialogue on Evaluation of Coastal and Marine Ecosystem Services at Tirupati on 16th July, 2018.
- Shri P. Subramanyam, IFS, Regional Director, FSI, CZ, Nagpur attended 3rd Indo-Japan Joint Working Group Meeting under MOC Compliance to the MoEF&CC at New Delhi on 23rd July, 2018.

- Shri P. Subramanyam, IFS, Regional Director and Shri B.H. Naik, Assistant Director, FSI, CZ, Nagpur attended a Brainstorming Workshop on Ecosystem Services Improvement Project at Bilaspur, Chhattisgarh on 8th August, 2018.
- Shri P. Subramanyam, IFS, Regional Director, FSI, CZ,

Nagpur attended Regional Director's meeting at FSI Hqrs. Dehradun from 6th to 7th September, 2018.

- Shri P. Subramanyam, IFS, Regional Director, FSI, CZ, Nagpur visited Sidhi from 15th to 19th September, 2018 in connection with inspection of Amelia Coal Blocks.

Southern Zone, Bengaluru

VISIT OF ADG (FC), MOEF&CC

Shri Saibal Dasgupta, IFS, ADGF(FC) & the former Director General of Forest Survey of India visited this office on 29th March 2018 to discuss with regard to the ongoing field inventory works with the Regional Director, Senior Deputy Director and other officers. The former DG, FSI has also inspected the field inventory work done by FSI, Bengaluru in the state of Karnataka on 30th and 31st March 2018.

WORLD ENVIRONMENT DAY

The Regional Director shared the chair on the eve of celebration of World Environment Day organised by MOEF & CC at Kendriya Sadana, Bengaluru with a slogan "BEAT PLASTIC POLLUTION" on 5th June 2018. The Senior Deputy Director and all other staff of this zone have also attended the event.



WORKSHOP/TRAINING/MEETING

- Shri Suresha, JTA of this zone has conducted one day training programme for the Deputy Range Forest Officers and



Forest Guards of Karnataka Forest Department regarding the NFIS, GPS and other ongoing works of FSI, Bengaluru at Bukkapatna of Tumkur Division on 20th May 2018.

- Shri Ashutosh, IFS Regional Director, and Sri. Rajesh S Kallaje, IFS, Sr. Deputy Director, Forest Survey Of India, SZ Bengaluru were on official visit to Dehradun to attend RD's meeting from 14th to 18th June, 2018.
- Shri Vinod M. Lambodari, UDC of this office has attended Unicode based one hour duration long term 'Hindi typing on a computer' from February 2018 to July 2018 at Kendriya Sadan, Bengaluru.
- Sri. Rajesh S Kallaje, IFS, Senior Deputy Director, Forest Survey Of India, SZ Bengaluru has attended one week training programme at Singapore under DFFT program of DoPT from 13-17th August, 2018.
- One week training programme was conducted for the technical staff of Forest Survey of India, Central Zone, Nagpur and Southern Zone, Bengaluru on "Forest Inventory, Tree Outside Forest Inventory and Permanent Observation Plot" in Karnataka and Tamilnadu states from 20-26th August, 2018.
- Sri. Ashutosh, IFS Regional Director, Forest Survey of India, SZ, Bengaluru has attended two-day's workshop on "Forestry for Posterity and Prosperity through Capacity Building A Sustainable Development Strategy" on 26th and 27th September, 2018 at IGNFA, Dehradun.

PROMOTION OF HINDI

- Hindi Day was celebrated in this office on 14th September 2018.
- One week programme on Hindi was organized in this office from 3rd-7th September, 2018. During this period many competitions on Hindi were held and the prizes were distributed for the winners.
- Hindi workshop was organized in the premises of this office on 30th July 2018.
- A meeting was held on official language implementation in the chamber of Regional Director on 20th September 2018.



Eastern Zone, Kolkata

GEOMATICS WING

- Forest Cover Mapping work of 16th cycle for the six states namely Bihar, Jharkhand, Meghalaya, Sikkim, Odisha & West Bengal has been initiated. Classification work pertains to the 3rd year rural inventory sample point generation of Jharkhand state has been initiated.
- Geo-rectification of the satellite data for both the cycles has been completed and classification of current cycle data has been initiated for Forest Cover Mapping work of 16th Cycle for all the six states namely Bihar, Jharkhand, Meghalaya, Sikkim, Odisha & West Bengal.
- Generation of remaining inventory points and preparation of Base Map for Jharkhand, Tripura, Meghalaya, Assam & Mizoram state has been done. Allotment and distribution for the same is also completed.
- A training programme was conducted by Geomatics Lab for the Senior Scientific officers of NSSO, Ministry of Statistics and Programme Implementation on GIS, GPS and use of open source software for map making. Two days training with hands on session imparted from 18th-19th July, 2018.
- FSI, Eastern Zone, Kolkata was invited to provide a presentation on recent development of e-Green Watch portal and also on uploading the data on the portal specific to CAMPA work. The meeting was chaired by PCCF & HoFF, West Bengal. Shri A. K Naik, Regional Director, Shri A K Biswal, Sr. Deputy Director, and Shri Anupam Ghosh, Sr. Technical Associate presented a power point presentation on the meeting held on 28th August, 2018 at Aranya Bhavan, Kolkata.



WEST BENGAL FOREST & BIODIVERSITY CONSERVATION PROJECT (ASSISTED BY JICA)

A Training Programme has been arranged by FSI, EZ for West Bengal State Forest Department (Coochbehar, Jalpaiguri and Darjeeling districts) on Baseline Survey of Forest Growing Stock under the West Bengal Forest & Biodiversity Conservation Project under JICA on 10.04.2018, 12.04.2018, 25.04.2018 & 26.04.2018. The methodology for baseline survey and field



demonstration has been given by Shri Imtijongshi, JTA, Shri Durgesh Kr. Nagar, JTA, Shri Abhishek Kumar, FM and Shri Koushik Kundu, FTA. The Regional Director and Sr. Deputy Director conducted the training programme.

The training for data entry application software for the above project has been arranged for the West Bengal State Forest Department by Shri A.K. Thakur, Project Scientist and Shri H.S. Negi, Sr. TA of FSI Headquarter, Dehradun.

During data entry of the inventory work under JICA project, some technical difficulties has been faced by the West Bengal State Forest Department. For this, Regional Director along with DPAs of FSI EZ visited the office of JICA as and when required during this quarter. According to the directions of the DPAs, the field crew under JICA project has been contacted and the discrepancies regarding data inconsistency were sorted out.

TRAININGS UNDERGONE

- Mr. Subrata Majumder, Sr. Draughtsman, Mr. Anupam Ghosh, Mrs. Debangana Basu & Mr. Tapan



Dhar, Sr. Technical Associate were attended the workshop on FCM methodology 16th cycle at Head Quarter, Dehradun.

- A training programme was conducted by Geomatics Lab for the Audit Officers of West Bengal on Use of Geoinformatics for plantation monitoring on March 23rd, 2018.
- A training programme was imparted by Geomatics Lab to the Conservator of Forests of West Bengal State Forest Department on the procedure of analysing polygons on DSS for diversion proposal concerned to the WBSEDCL power project.
- Sri Debendra Dalai, IFS (AGMUT : 1999), Sr. Deputy Director attended the Indian Forest Service Officers one-week compulsory training course on "Art of Interacting with Print and Electronic Media" held at Xavier Institute of management (XIM), Bhubaneswar from 06th-10th August, 2018.
- Mr. Subrata Majumder, Sr. Draughtsman, Mr. Anupam Ghosh, Mrs Debangana Basu, Mr. Tapan Dhar, Sr. Technical Associate & Mr. Somnath Maiti, Technical Associate attended the two days follow up workshop on FCM methodology for 16th cycle at Head Quarter, Dehradun from 10th-11th September, 2018.
- Sri Ashok Kumar Biswal, IFS (AGMUT : 1992), Sr. Deputy Director attended the Indian Forest Officers one-week Compulsory Training Course on "

Conservation and Development of Medicinal Plants and Benefit Sharing with Local Communities" at Himalayan Forest Research Institute (HFRI), Shimla from 10th-14th September, 2018.

PROMOTION OF HINDI

क्षेत्रीय निदेशक की अध्यक्षता में राजभाषा कार्यान्वयन समिति की तिमाही बैठक 28.03.2017, 26.06.2018 एवं 28.9.2018 को आयोजित की गई। बैठक में हिन्दी के प्रगामी प्रयोग से संबंधित विषय पर विस्तारपूर्वक चर्चा एवं समीक्षा की गई तथा हिन्दी के पत्राचार को बढ़ाने पर बल दिया गया। इस कार्यालय में दिनांक 12.09.2018 से 26.09.2018 तक हिन्दी पखवाड़ा का आयोजन किया गया, जिसमें कर्मचारियों की प्रतिभागिता काफी सराहनीय रही तथा इस दौरान कई प्रतियोगिताएं जैसे कविता पाठ, निबन्ध, टिप्पण एवं आलेखन, वाद-विवाद आदि का आयोजन किया गया तथा विजेता प्रतिभागियों को पुरस्कार वितरण किए गए।

FOREIGN TOUR

- Sri Durgesh Kumar Nagar, Jr. Technical Assistant visited Bangladesh to participate in the Regional Workshop on National Forest Monitoring and Assessment from 06th -12th May, 2018, sponsored by United States Agency for International Development.
- Sri Ajaya Kumar Naik, I.F.S, Regional Director, FSI, Kolkata and Shri Rajesh Kumar, DDG, FSI, Dehradun visited China to attend Global Assessment of Bamboo & Rattan workshop for development of assessment methodologies and attended the Global Bamboo and Rattan Congress at Beijing from 19th 28th June, 2018, sponsored by INBAR, Beijing.

Northern Zone, Shimla

Sh. B.D. Suyal, IFS, Regional Director repatriated to his parent cadre on 30th June, 2018. The additional charge of the Regional Director, North Zone, Shimla is being looked after by Shri Sushant Sharma, IFS, Joint Director, FSI.

SWACH BHARAT ABHIYAN

Under Swachh Bharat Abhiyan the Regional Office organized one day Safai Abhiyan on 20.04.2018 within the office complex.

TRAININGS

- Organized two days training programme regarding Administration and Account issues for newly recruited staffs under the Incharge of Establishment and Accounts Section.



newly recruited officials under the supervision of the Incharge official language.

- Under the Incharge of the GIS and Drg. Section two days training programme was organised regarding Map preparation and Map reading for newly recruited officials from 06th to 07th June, 2018.

IN HOUSE TRAINING

A in house training has been organised for newly recruited field staff on Forest Inventory in field and in the office of the Northern Zone, Shimla.



राजभाषा संबंधी गतिविधियां

उत्तरी अंचल, शिमला में 4 सितम्बर से 7 सितम्बर, 2018 तक हिंदी सप्ताह का आयोजन किया गया, जिसमें कुल छः प्रतियोगिताएं आयोजित की गईं। इन प्रतियोगिताओं में कर्मचारियों ने उत्साहपूर्वक भाग लिया।

उत्तरी अंचल, शिमला में नराकास, शिमला के सौजन्य से हिंदी निबंध प्रतियोगिता का आयोजन किया गया, जिसमें शिमला स्थित केन्द्रीय सरकार के विभिन्न कार्यालयों के 25 प्रतिभागियों ने भाग लिया।

REPATRIATION / RETIREMENT / JOINING

- Dr. Subhash Ashutosh, IFS, joined as Director General, Forest Survey of India, Hqrs. Dehradun on 15th June, 2018.
- Shri Vijay Kumar Gupta, joined as LDC on 7th March, 2018 in FSI, EZ, Kolkata.
- Shri Vinit, has joined as Lower Division Clerk on 13th March, 2018 in FSI, SZ, Bangalore.
- Shri Vinod Meena, has joined as Lower Division Clerk on 13th March, 2018 in FSI, SZ, Bangalore.
- Shri Peeli Sekar, has joined as Deputy Ranger on 13th March, 2018 in FSI, SZ, Bangalore.
- Shri Subhash Kumar Pal, Fieldman, got relieved from FSI, NZ, Shimla on 14th March, 2018 due to his appointment on the post of Deputy Ranger at FSI, EZ, Kolkata.
- Shri Subhash Kumar Pal joined as Deputy Ranger on 19th March, 2018 in FSI, EZ, Kolkata.
- Kum. Arti Udaiyan, has joined as Data Entry Operator in Forest Survey of India, Hqrs. Dehradun on 26th March, 2018.
- Shri Sanjay, joined as Deputy Ranger on 26th March, 2018 in FSI, EZ, Kolkata.
- Shri Salman Khan has joined as Deputy Ranger on 26th March, 2018 in FSI, CZ, Nagpur.
- Shri Susanto Pal, joined as Deputy Ranger on 9th April, 2018 in FSI, EZ, Kolkata.
- Shri K.C. Katheria, Stenographer Grade-I was transferred on deputation to Regional Office (NCZ) of MoEF&CC, Dehradun on 16th April, 2018 from FSI, SZ, Bangalore.
- Shri Sajjan Singh, has joined as Data Entry Operator in Forest Survey of India, Hqrs. Dehradun on 26th April, 2018.
- Shri Somdutt, has joined as Multi Tasking Staff in Forest Survey of India, Hqrs. Dehradun on 8th May, 2018.
- Ms. Pooja Thakur joined as Junior Technical Assistant on 16th May, 2018 in FSI, NZ, Shimla.
- Shri Arun Sharma has joined as LDC on 16th May, 2018 in FSI, CZ, Nagpur.
- Shri Perumal. M has joined as Fieldman on 18th May, 2018 in FSI, SZ, Bangalore.
- Shri Devendra Ambar Gharpinde has joined as Junior Technical Assistant on 21st May, 2018 in FSI, CZ, Nagpur.
- Shri Rahul Chauhan has joined as Junior Technical Assistant on 21st May, 2018 in FSI, CZ, Nagpur.
- Shri Vikas Singh has joined as Junior Technical Assistant on 24th May, 2018 in FSI, CZ, Nagpur.
- Shri Abhishek Kumar Singh has joined as Junior Technical Assistant on 30th May, 2018 in FSI, CZ, Nagpur.
- Shri Vikas Singla joined as Junior Technical Assistant on 31st May, 2018 in FSI, NZ, Shimla.
- Shri Kuldeep Meena joined as Junior Technical Assistant on 31st May, 2018 in FSI, NZ, Shimla.
- Shri L. Eswarappa, Deputy Ranger, FSI, SZ, Bangalore retired from service on attaining superannuation on 31st May, 2018.
- Shri Mahesh Baburao Sutar has joined as Junior Technical Assistant on 4th June, 2018 in FSI, CZ, Nagpur.
- Shri Prince Lal Jangid joined as Junior Technical Assistant on 11th June, 2018 in FSI, NZ, Shimla.
- Shri Prasant Kumar has joined as Junior Technical Assistant on 18th June, 2018 in FSI, SZ, Bangalore.
- Shri Vinay Sharma joined as Junior Technical Assistant on 19th June, 2018 in FSI, NZ, Shimla.
- Shri Anil Ramesh has joined as Junior Technical Assistant on 21st June, 2018 in FSI, SZ, Bangalore.
- Shri Gowdappagowda N Melinamani has joined as Junior Technical Assistant on 25th June, 2018 in FSI, SZ, Bangalore.
- Ms. Jyoti joined as Deputy Ranger on 29th June, 2018 in FSI, NZ, Shimla.
- Shri B.D. Suyal, IFS, Regional Director, got relieved from FSI, NZ, Shimla on 29th June, 2018 due to repatriation to his parent department.
- Shri Chandra Ballab Joshi, Deputy Ranger, FSI, SZ, Bangalore retired from service on attaining superannuation on 30th June, 2018.
- Shri Naresh Kumar Bharti joined as Junior Technical Assistant on 5th July, 2018 in FSI, NZ Shimla.
- Shri Pradeep Kumar joined as Junior Technical Assistant on 9th July, 2018 in FSI, NZ Shimla.
- Shri Rupesh Kumar Das, joined as Lower Division Clerk on 17th July, 2018 in Forest Survey of India, Hqrs. Dehradun.
- Shri Anubhav Kumar Singh, Fieldman, FSI, EZ, Kolkata relieved on 24th July, 2018 on Technical Resignation to join in the O/o Pr. A. G. (A&E), Bhubaneswar as Data Entry Operator.
- Shri Chander Mohan joined as Deputy Ranger on 1st August, 2018 in FSI, NZ Shimla.
- Shri Nitesh Kumar, has joined as Multi Tasking Staff in FSI, SZ, Bengaluru on 9th August, 2018.
- Shri Debendra Dalai, IFS (AGMUT:1999), Deputy Director, FSI, EZ, Kolkata relieved on 13th August, 2018 to report his parent cadre on pre-mature repatriation.
- Km. Kusha Goyal, Deputy Ranger has been transferred from FSI, NZ, Shimla to Hqrs. Dehradun and joined on 14th August, 2018.
- Shri Amol Gupta, joined as Lower Division Clerk on 16th August, 2018 in Forest Survey of India, Hqrs. Dehradun.
- Shri Mukesh Prasad joined as Deputy Ranger on 18th August, 2018 in FSI, NZ Shimla.
- Km. Arti Udaiyan, DEO 'A' has resigned from FSI on 10th September, 2018 due to her selection in other department.
- Shri Rajesh S. Kallaje, IFS Senior Deputy Director, FSI, SZ, Bengaluru was relieved on 18th September, 2018 on his repatriation to his home cadre Chhattisgarh.
- Shri Navin Kumar Nishad, joined as Lower Division Clerk on 24th September, 2018 in Forest Survey of India, Hqrs. Dehradun.
- Four JTAs, Shri Rahul Chauhan, Shri Devendra A. Gharpinde, Shri Abhishek Kumar Singh and Shri Mahesh Babu Sutar were transferred from FSI, CZ, Nagpur to FSI, EZ, Kolkata on 25th September, 2018 for six months.
- Shri Vikas Singh, JTA was transferred from FSI, CZ, Nagpur to FSI Hqrs. Dehradun on 25th September, 2018.
- Shri Susanto Pal, Deputy Ranger, FSI, EZ, Kolkata relieved on 28th September, 2018 on Technical Resignation to join in the Directorate of Census Operation (DCO) under the R.G.I as Geographer.

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