

By e-Mail/FAX

GOVERNMENT OF ODISHA
REVENUE AND DISASTER MANAGEMENT DEPARTMENT

No. RDM-DILRMP-MISC-0011-2018 42773 /R&DM dated 19 NOV 2018

From

Sangram Keshari Mohapatra
Additional Secretary to Government

To

CE, ORSAC

Sub: Nomination of nodal officers to attend the OSDI training to be held at Hotel New Marion, Bhubaneswar from 18.12.2018 to 22.12.2018

Ref: Your Organization letter No. 3854 dated 01.11.2018

Sir,

In inviting a reference to your letter on the subject cited above, I am directed to say that as desired by Principal Secretary to Government, Revenue & DM Department the following Officers of Revenue & DM Department have been nominated as the nodal officers for attending the meeting regarding Odisha State Spatial Data Infrastructure (OSDI) on coordinated preparation of High-Resolution National Foundation Spatial Data (NFSD) for Gram- Panchayats and ward level mapping.

1. Ashok Kumar Naik, Special Secretary to Government
2. Sailendra Dwivedi, Additional Secretary to Government
3. Sangram Keshari Mohapatra, Additional Secretary to Government
4. Abhaya Kumar Nayak, Additional Secretary to Government
5. Sailendra Kumar Samal, Joint Secretary to Government
6. Dr. Usharani Sahoo, Joint Secretary to Government

Yours faithfully,

Sangram
19.11.18

Additional Secretary to Government

Memo No.

42774

dtd.

19 NOV 2018

Copy along with copy of the training Schedule forwarded to Ashok Kumar Naik, Special Secretary to Government/ Sailendra Dwivedi, Additional Secretary to Government/ Abhaya Kumar Nayak, Additional Secretary to Government/ Sailendra Kumar Samal, Joint Secretary to Government/ Dr. Usharani Sahoo, Joint Secretary to Government for kind information and necessary action.

They are requested to attend the training programme one day each as per the enclosed schedule.

Sangram
19.11.18

Additional Secretary to Government



ODISHA SPACE APPLICATIONS CENTRE (ORSAC)
Department of Science & Technology, Government of Odisha

No.: 3654(4) Date: 1/11/18

Dr. Sandeep Tripathi, IAS
Chief Executive

To

**The Principal Secretary to Govt.,
Revenue & Disaster Management Department,
Govt. of Odisha, Bhubaneswar**

*As done by
Pratik Sankar
minutes all
of his
12-11-18*

Sub: Nomination of one Departmental Nodal Officer identified for Odisha State Spatial Data Infrastructure (OSDI) for a five Day Training organized by ORSAC on "Coordinated Preparation of High-Resolution National Foundation Spatial Data (NFSD) for Gram-Panchayat and Ward Level Mapping" organized during December 18-22, 2018.

Sir,

In inviting a reference to the subject mentioned above, it is to inform, you that Department of Science & Technology, Govt. of India is initiating a Project to generate High-Resolution National Foundation Spatial Data (NFSD) in 2D as well as 3D format which would be used as a set of reference Spatial Datasets for the Gram-Panchayat and Wards Level Mapping precisely with high locational accuracy in the Cadastral Scale. The NFSD data sets will be uploaded in the State Spatial Data Infrastructure and will be shared to all the Departments of Government of Odisha as well as other interested Institutions as web-services (WMS, WFS, WCS, CSW etc) depending on application requirements. Initially, the Projects are being taken up on Pilot mode. ORSAC has submitted Bhubaneswar Municipality (BMC) and Himgir Block, Sundargarh District for generation of NFSD data sets on pilot mode to Department of Science & Technology (DST), Govt. of India. DST, Govt. of India desires that the State Govt. Departments and other user organizations shall be appraised about NFSD datasets and its utilization for the developmental planning of Ward and Gram Panchayats levels through workshops/training before initiating the Projects. The NFSD data sets generated under the Pilot Project will be uploaded at Odisha State Spatial Data Infrastructure (OSDI) and the same will be shared as web-services for the 2D and 3D applications.

Thus, on the back ground ORSAC is organizing a five-day Training Programme from December 18-22, 2018 at Hotel New Marrion, Bhubaneswar. The Resource Persons from Indian Space Resource Organization (ISRO), Department of Space (DOS), Indian Institute of Technology (IIT), Department of Science & Technology (DST), Survey of India (SOI), Geospatial Industries, Chilika Development Authorities (CDA) and Odisha Space Applications Centre (ORSAC) are being invited to deliver lectures and conduct practical's during the training period.



ODISHA SPACE APPLICATIONS CENTRE (ORSAC)
Department of Science & Technology, Government of Odisha

No.:

Date :

Therefore, it is requested to nominate one Nodal Officer of your Department to get acquainted with NFSD data sets and its utilization aspects for the Department. The nomination shall reach at ORSAC at the earliest. The training schedule is enclosed for the reference.

Encl: As above

Thanking you.

Yours faithfully,

CHIEF EXECUTIVE

- Copy to: 1. Principal Secretary to Govt., Science & Technology, Govt. of Odisha, Bhubaneswar for information
2. Dr. P. S. Acharya, Head & Chief Executive Officer, National Spatial Data Infrastructure (NSDI), Department of Science & Technology, Government of India, Technology Bhawan, New Mehrauli Road, New Delhi - 110 016 for information.
3. ✓ Joint Secretary, Revenue & Disaster Management Department, Govt. of Odisha

NSDI Training Programme

ON

"COORDINATED PREPARATION OF HIGH RESOLUTION NATIONAL FOUNDATION SPATIAL DATA (NFSD)

FOR

GRAM-PANCHAYAT AND WARD LEVEL MAPPING"

(18th -22nd December, 2018)

(Venue: Hotel The New Marrion, 6, Janpath, Bhubaneswar, 751001)

Date	Timings	Venue	Subject	Resource Person	Remarks
18.12.2018 (Tuesday)	1000 to 1100 Hrs	Hotel, The New Marrion,6, Janpath, Bhubaneswar	Registration		
	1100 to 1200 Hrs	Hotel, The New Marrion,6, Janpath, Bhubaneswar	Inauguration.		
	1200 to 1230 Hrs	Hotel The New Marrion,6, Janpath, Bhubaneswar	Tea Break		
	1230 to 1330 Hrs	Hotel, The New Marrion,6, Janpath, Bhubaneswar	Overview of NSDI and State SDIs - Towards Preparation of High Resolution National Foundation Spatial Data (NFSD).	P. S. Acharya, CEO, NSDI, DST, New Delhi.	
	1330 to 1430		Lunch		

	1430 to 1530 Hrs	Hotel, The New Marrison,6, Janpath, Bhubaneswar	High Resolution Data Capture for NFSD Preparation and their Representation in Different Scales.	Sh. R.N. Nanda, NSDI, New Delhi.	
	1530 to 1600 Hrs	Hotel, The New Marrison,6, Janpath, Bhubaneswar	Tea break		
	1600 to 1730 Hrs	Hotel, The New Marrison,6, Janpath, Bhubaneswar	High-Resolution Data Sets acquisition through Satellite, Aerial, UAS/UAV, LiDAR and In Situ Sensors.	Dr. P.L. N. Raju, Director, North Eastern Space Application Centre, Umiam, Meghalaya.	
19.12.2018 (Wednesday)	1000 to 1130 Hrs	Hotel, The New Marrison,6, Janpath, Bhubaneswar	Data Capturing for Resource Map Generation using High Resolution Remote Sensing Data.	Dr. D. Mishra, Scientist, ORSAC	
	1130 to 1145 Hrs	Hotel, The New Marrison,6, Janpath, Bhubaneswar	Tea Break		
	1145 to 1330 Hrs	ORSAC Laboratory	Hands on Practical on Data Capturing Using High Resolution Data.	Dr. D. Mishra, Scientist, ORSAC Sri D. K. Rout, Scientist, ORSAC Dr. P. Mishra, Scientist, ORSAC Dr. P. Kumar, Scientist, ORSAC Dr. Sumali Moharana, Scientist, ORSAC Sri R. R. Mohanty, Scientist, ORSAC Smt. Binita Tripathy, Scientist, ORSAC Sri Manoj Kumar	

				Sanabada, Scientist Miss Susmita Jena Scientist, ORSAC Scientist, ORSAC Dr. Srikanta Dash, Scientist, ORSAC	
	1330 to 1430 Hrs.	Hotel, The New Marrion,6, Janpath, Bhubaneswar	Lunch		
	1430 to 1600 Hrs	Hotel, The New Marrion,6, Janpath, Bhubaneswar	Fundamentals on Geodesy (Earth Co-ordinate System, GEOID, Ellipsoid, MSL) and Map Projections.	B. Nagarajan Visiting Professor, IIT, Kanpur. nagaraj@iitk.ac.in	
	1600 to 1730 Hrs	Hotel, The New Marrion,6, Janpath, Bhubaneswar	Fundamentals on GPS, DGPS & ETS and Data Capturing using GPS/DGPS/ETS. Use of Digital Leveling for transferring MSL Height.	Maj Gen (Retd) R. C.Padhi.	
20.12.2018 (Thursday)	0930 to 1115 Hrs	ORSAC Campus, Bhubaneswar.	Hand on Training on Use of GPS/DGPS/ETS/Digital Leveling and data Processing.	Sh. K. C. Sethi (Ret. SOI Officer) Dr. N. D. Mohanty, Scientist, ORSAC Sri A. K. Attabudhi, Eng Asst (Civil) Sri S.P. Mohanty, Eng. Asst & a team of Eng. Asst.	
	1115 to 1145 Hrs	Hotel, The New Marrion,6, Janpath, Bhubaneswar	Tea Break		
	1145 to 1300 Hrs	Hotel, The New Marrion,6, Janpath, Bhubaneswar	High Resolution Image/Photo Preparation using Photogrammetric Blocks and Preparation of DEM, DSM, Contour & Slope.	Sri Y. K. Srivastava, Scientist, Regional Remote Sensing Centre, National Remote Sensing Centre, Kolkata.	

	1300 to 1400 Hrs	Hotel The New Marrion,6, Janpath, Bhubaneswar	Lunch	
	1400 to 1500 Hrs	Hotel The New Marrion,6, Janpath, Bhubaneswar	Data Model, UML & Data sharing through Web Services and use of Cloud architecture in NSDI and preparation of Data Registry and catalogue.	Dr. S. K. Ghosh, Prof. IIT, Kharagpur
	1500 to 1515 Hrs	Hotel, The New Marrion,6, Janpath, Bhubaneswar	Tea break	
	1515 to 1530 Hrs	ORSAC Laboratory.	Hands on Practical on preparation of Data Model and generation of XML & XDS.	Dr. S. K. Ghosh & Team from IIT, Kharagpur
21.12.2018 (Friday)	1000 to 1300 Hrs	Chilika Field Station, Balugaon	In Situ Data Capturing Demonstration in the Chilika Depolment Authority, Field Office, Balugaon.	Sri Susanta Nanda, I.F.S., Chief Executive, Chilika Delopment Authority (CDA).
	1300 to 1400 Hrs	Chilika Field Station, Balugaon	Lunch	
	1400 to 1500 Hrs	Chilika Field Station, Balugaon.	Geological Data Modelling & Data Registry measurements.	Sh. S.K. Bohra Ret. DDG, GSI.
	1500 to 1600 Hrs	Chilika Field Station, Balugaon.	High Resolution Data Capturing Using UAV/UAS & LiDAR and its processing. Some Use Case Applications using the above data.	Dr. Bharat Lohani, Professor, IIT, Kanpur. blohani[AT]iitk.ac.in
	1600 to 1700 Hrs	Chilika Field Station, Balugaon.	Data Model and Spatial Database and Web services.	Dr. P. S. Acharya, CEO, NSDI.

22.12.2018 (Saturday)	1000 to 1100 Hrs	Use cases and application Development using National Data Registry on Geospatial Cloud Platform.	Dr. D. Dutta Scientist, NRDMS/NSDI
	1100 to 1115 Hrs	Tea break	
	1115 to 1300 Hrs.	Demonstration of Odisha Spatial Data Infrastructure (OSDI)	Palatia Srikanth, Avineon India Ltd., The System Integrator for OSDI.
	1300 to 1400 Hrs	Lunch	
	1400 to 1530 Hrs	Security Guidelines for spatial Data Mapping & 3D city and Essential & critical component of EOI/RFP/Tendering process	Sh. R.N. Nanda & Team from NSDI
	1530 to 1600 Hrs	Tea break	
	1600 to 1700 Hrs	Concluding Session	