

No. WQ-11016/1/2014-WQ  
Government of India  
Ministry of Drinking water and Sanitation  
(Water Quality Section)

4th Floor, Paryavaran Bhawan  
CGO Complex, Lodhi Road  
New Delhi - 110 003.  
Dated the 6<sup>th</sup> July 2015.

Principal Secretary/Secretary  
In-charge of Rural Water Supply  
(All States/UTs).

Subject: Training to a team of Engineers/Officers of Ministry of DWS, State Governments and UTs in NRSC Campus, Hyderabad on Remote Sensing Based on Feasibility Evaluation of Water Supply Pipeline Grid.

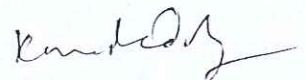
Sir,

It has been decided to organize a two sessions of training programme for two days each for 22<sup>nd</sup> & 23 Jul 2015 and 26<sup>th</sup> & 27 Aug 2015 for imparting training to Engineers of State Governments, UTs and officers of Ministry of Drinking Water and Sanitation on Remote Sensing Based on Feasibility Evaluation of Water Supply Pipeline Grid in the campus of National Remote Sensing Centre/ISRO, Hyderabad. The training schedule for 20 participants in each session is attached (**Appendix-A**).

2. The officers of Ministry of DWS, Chief Engineers and Executive Engineers of States and UTs who are involved in planning and design of water supply projects are eligible to participate in the above training.

3. The nominations of eligible officers of State Governments, UTs and Min of MDWS not more than 02(two) participants may be forwarded to Director, National Remote Sensing Centre, (Deptt. of Space), Balanagar, Hyderabad-500625 under intimation to this Ministry before 10 days from the date of commencement of the training to complete the mandatory formalities on the prororma as given below:-

Sl. No.	Name and Designation	Name of the Deptt. Organization	Contact Details with address and mobile no.	Email. Id



4. The details of the Course Coordinators for the above training are as follows:-

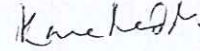
Name	Designation	E-Mail ID	Tele No.
Mr. Priyom Roy	Scientist-SD	<a href="mailto:priyom_roy@nrsc.gov.in">priyom_roy@nrsc.gov.in</a>	040-23884604
Mr. J Chandra Mohan	Scientist-SD	<a href="mailto:chandramohan_i@nrsc.gov.in">chandramohan_i@nrsc.gov.in</a>	040-23884603

5. The accommodation during the period of training will be provided by NRSC, Hyderabad at NRSC Guest House 1 and 2, Balanagar, Hyderabad.

6. The TA/DA in respect of the officer nominated for the above training shall be borne by the respective State Government and UT from 5% Support funds.

7. National Remote Sensing Centre/ISRO, Hyderabad will select 20 participants for each session of training from the officers nominated for the training and communicate the Nominations to the participants well in time to enable them to attend the training.

8. The campus of NRSC/ISRO is restricted area from the security point of view. Therefore, the details of the participants as asked for in para 3 above may be provided to avoid any<sup>in</sup> convenience.



(K. Narayana Reddy)

Under Secretary to the Govt of India

Copy to:-

(1) The Director, National Remote Sensing Centre, (Deptt. of Space), Balanagar, Hyderabad-500625: for finalization of nominations of participants for the subject training and making necessary arrangements.

Appendix 'A'

**TRAINING SCHEDULE : REMOTE SENSING BASED FEASIBILITY EVALUATION OF WATER SUPPLY  
PIPELINE GRIDS**

Batch I: 22<sup>nd</sup> & 23<sup>rd</sup> July, 2015.

Batch II: 26<sup>th</sup> & 27<sup>th</sup> August, 2015.  
NRSC/ISRO Hyderabad

Venue: Training Division:

**Schedule: Day 1**

Topic	Timing
Registration (Training Division Foyer).	09:30 to 10:00
Opening Remarks by Director/DD, RSA (Training Division Conference Hall).	10:00 to 10:30
<b>Training Division Lecture Hall</b>	
Introduction to Remote sensing based Feasibility Evaluation of Water Supply Pipeline Grids.	10:30 to 11:30
Overview of Ground Water prospect maps.	11:30 to 12:15
Overview of LULC & NGLM data.	12:15 to 13:00
<b>Lunch (1300-1400 hrs)</b>	
Overview of Carto DEM	14:00 to 15:00
Introduction to QGIS, Digital mapping	15:00 to 16:00
Bhuvan demonstration.	16:00 to 17:00

**Schedule: Day 2**

Demonstration of Pipeline Optimisation (Training Division Lab).	10:00 to 11:00
Hands-on Training(Training Division Lab).	11:00 to 13:30
<b>Lunch (1330-1430hrs)</b>	
Hands on Training – continued (Training Division Lab).	14:30 to 16:00
Discussion & Feedback (Training Division Conference Hall).	16:00 to 17:00

Note 1: 20 Participants in each batch;

Note 2: Accommodation in NRSC House I & II, Balanagar, Hyderabad;