

NATIONAL WATER ACADEMY

**Training programme on  
MONITORING OF IRRIGATION PROJECTS  
USING BHUVAN WEB SERVICES  
(30 June – 04 July 2014)**

<b>Sess I : 0930-1100</b>	<b>Sess II : 1130-1300</b>	<b>Sess III : 1400-1530</b>	<b>Sess IV : 1600-1730</b>
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**Venue: GIS Lab**

<b>Date &amp; Day</b>	<b>Session</b>	<b>Topic</b>	<b>Faculty</b>
Day-1 30 June 2014 Monday	0930-1000	Inauguration & Introduction	SKS
	I	Satellites and Sensors, Map projections, GIS lexonomy for online monitoring	RNS
	II	Monitoring Concepts	RS
	III	Remote Sensing and GIS Concepts	SK
	IV	Monitoring Irrigation Projects using GIS	RNS
Day-2 01 July 2014 Tuesday	I	Introduction to Bhuvan Web Services, functionality	MS
	II	Using Bhuvan web services, Digitization, extraction of information	MS
	III	Mobile AIBP Apps	MS
	IV	Field data acquisition using Mobile AIBP Apps	MS
Day-3 02 July 2014 Wednesday	I	Extraction of canals, roads and Linear features from CARTOSAT data	RNS+SK
	II	– Hand-on	RNS+SK
	III	Hands on	RNS+SK
	IV	Hands on	RNS+SK
Day-4 03 July 2014 Thursday	I	Practical case study of monitoring – hands-on (Shivna Takli)	RNS+RS
	II	Mapping Canal, infrastructures, etc. Hands-on	RNS+RS
	III	Preparation of maps and study reports for i) Irrigation Infrastructures ii) IP created Gap areas – Hands-on	RNS+RS
	IV	Assessment of irrigation potential created – Hands-on	RNS+RS
Day-5 04 July 2014 Friday	I	Assessment of %age of physical process & Comparing the field truth with image – Hands-on	SK+RS
	II	Auto report Generation	EG
	III	<b>Valedictory</b>	

Module Coordinator: **Dr R N Sankhua, Director**

**Faculty**

**SKS** Shri S.K. Srivastava, Chief Engineer , NWA #8380072764

**RNS** Dr R N Sankhua, Director, NWA #9420180193

**RS** Shri Rajeev Singhal, Director, NWA #8600998070

**SK** Shri Sunil Kumar, Director, NWA #8806566553

**MS** Shri M. Shankar, Scientist, National Remote Sensing Centre, Hyderabad #093933 62119

**EG** Ms Ekta Gupta, NIIT, ESRI, Pune #9764349669