



WORLD WATER DAY- 2022

Theme: *"Groundwater: making the invisible visible"*

WEBINAR REPORT

	
World Water Day Tuesday, 22 March 2022 Theme: <i>"Groundwater: Making the Invisible Visible"</i>	
WEBINAR Under the Government of India initiative, "Ek Bharat Shrestha Bharat" to be jointly conducted by Rajasthan and Assam.	
SPEAKERS	
 Dr. R.K. Goyal Principal Scientist Land & Water Management Engineering ICAR-Central Arid Zone Research Institute Jodhpur- 342003	 Professor Krishna Gopal Bhattacharyya Former HoD, Department of Chemistry and the Former Dean, Faculty of Science, Gauhati University
TIMING Tuesday, March 22, 2022 10.30 AM to 11.30 AM Join Zoom Meeting: https://zoom.us/j/91898712220? pwd=Vi9ydEt1c00veGVVOUdMYlRTU3c3dz09 Meeting ID: 918 9871 2220 Passcode: 220322	Organised by: ENVIS RP ON COMBATING DESERTIFICATION ICAR- Central Arid Zone Research Institute Jodhpur (Rajasthan) - 342 003 & ENVIS HUB ASSAM Assam Science Technology & Environment Council Dept. of Science Technology & Climate Change, Govt. of Assam

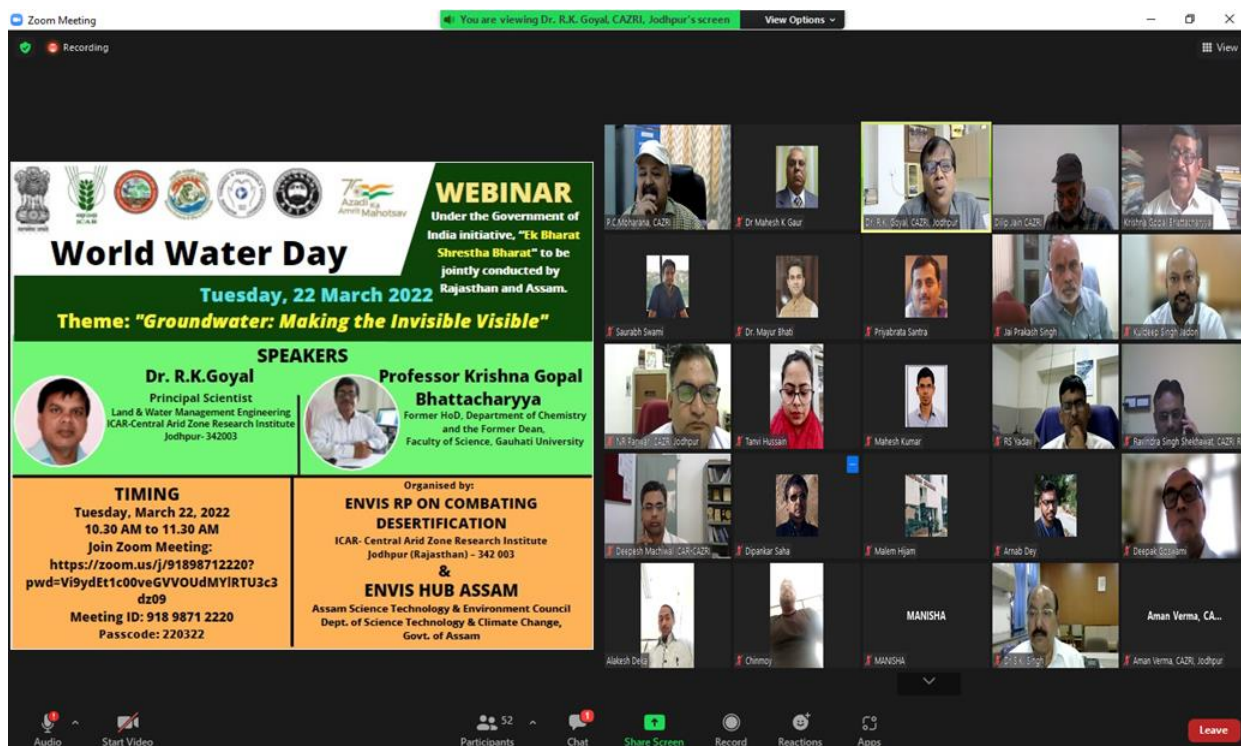
Organized by

ICAR- Central Arid Zone Research Institute &
ENVIS RP on Combating Desertification
Jodhpur (Rajasthan)- 342008

March 22, 2022

ENVIS RP on Combating Desertification at ICAR – Central Arid Zone Research Institute, and ENVIS Hub, Assam Science Technology & Environment Council, Department of Science & Technology, Govt. Of Assam jointly organized a webinar on World Water Day, 22nd March, 2022 under the initiative “ Ek Bharat Shresth Bharat” and also as a part of Azadi ka Amrit Mahotsav on this year’s theme “*Groundwater: making the invisible visible*”.

The webinar was inaugurated by Dr. P.C.Moharana, Principal Scientist & ENVIS Coordinator, ENVIS RP, ICAR-CAZRI, Jodhpur. He welcomed the Director of ICAR-CAZRI, the Guest Speakers from Rajasthan and Assam and all the colleagues from both the states. He highlighted the significance and value of water in arid regions of Rajasthan where the severity is below the normal value.



Dr. Sangeeta Goyal, Programme Officer, ENVIS RP, Rajasthan coordinated the programme and gave a brief introduction of Dr. R.K.Goyal, Principal Scientist, Division of Natural Resources, ICAR-CAZRI, Jodhpur and the Guest Speaker from Rajasthan. Dr Goyal gave his presentation on “Water Resources of Arid Western Rajasthan and its Management Strategies”. He said that the rainfall is the prime source of water in western Rajasthan. He stated that overexploitation of groundwater resources not only deplete the reserve but also deteriorate the quality of groundwater and poses a potential threat to fresh water in maintaining. He concluded his lecture emphasizing on immediate requirement on harvesting the drinking water.

A model: Harvest your own drinking water

Drinking (including cooking) water requirement per day per person	= 8 Litres
Normal family size	= 6 persons
Total water requirement per day	= 48 Litres
Annual Water requirement	= 17520 Litres
Add 20% for emergency water requirement	= 3500 Litres
Total annual drinking water requirement	= 21000 Litres

Average annual rainfall (arid western Rajasthan)
 Harvestable rainfall (40% from rooftop/artificial catchments)
 Catchment area required to generate 21000 Litres of runoff
 Tanka construction cost (Approx. Rs. 4 per litres with own labour)
 Lifespan of Tanka
 Maintenance cost
 Availability of drinking water
 Dependency on other sources
 Saving in human labour (1 hr daily @ Rs. 300 per day for 365 days)
 Other benefits

- Clean & hygienic water
- Safety
- Reduction in drudgery

21000 Litres Capacity Tanka

MANISHA

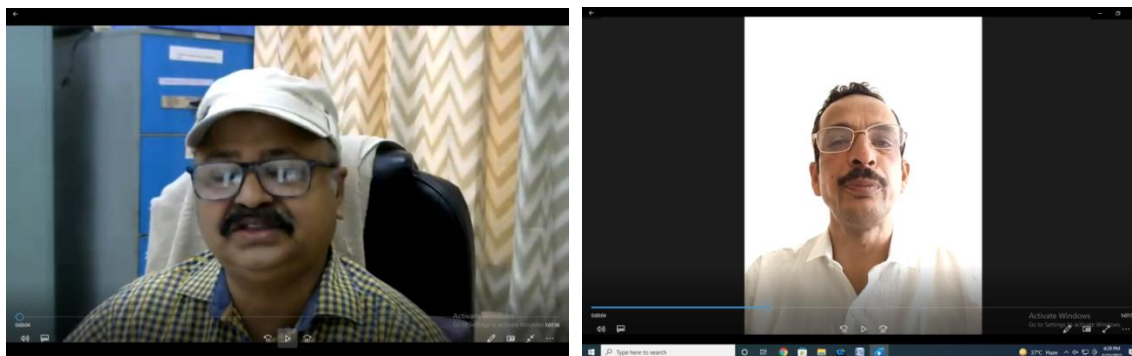
P. C. Moharana, CAZRI

Dr. R. K. Goyal, CAZRI, Jodhpur

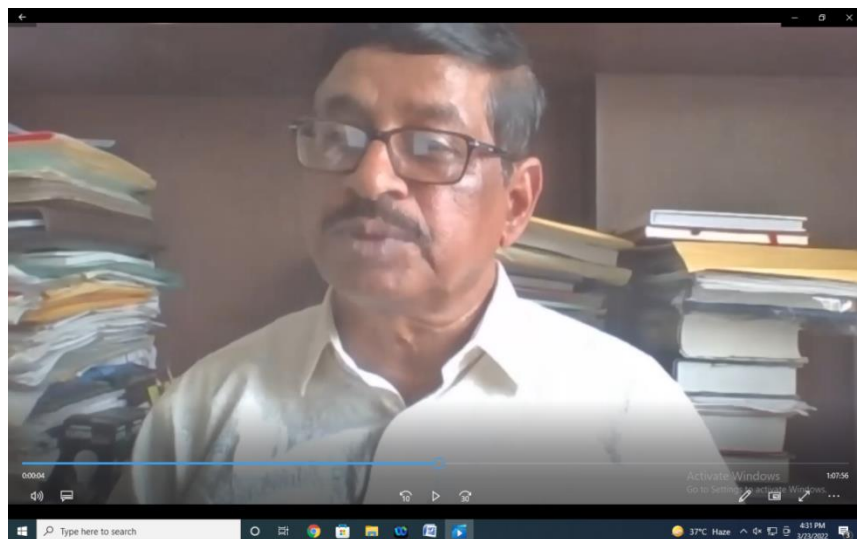
Dr. S. K. Singh

CAZRI-TSP
Tanka-21000 Litres
Year 2014-15

Dr. Jaideep Baruah, ENVIS Coordinator, Assam thanked MoEF&CC and extended their cooperation to organize such events held in collaboration with extreme corners of country which will give opportunities to understand variability.



Dr. Manisha Sarmah, Programme Officer, ENVIS Hub, Assam introduced the Guest Speaker of Assam, Prof. Krishna Gopal Bhattacharyya, Former HoD, Dept. of Chemistry, Former Dean, Faculty of Science, Guwahati University. He highlighted the water potential and groundwater status of Eastern India focusing on Guwahati region. He said that despite of surplus rain water they are unable to recharge the groundwater which is major problem in their region. Rivers are major source of water resource in eastern region but the quality is decreasing day by day. Therefore, it is an urgent need to focus on the water harvesting and its management strategies.



In the interaction session, there were good number of issues discussed by speakers and the audiences.

Vote of thanks was extended by Dr. Sangeeta Goyal, The webinar was attended by 63 scientists, officials and other participants from both the states.

