



## State-level Sensitization Workshop on “Enhancing Capability to Address Climate Change in Integrated Water Resources Management (IWRM) in Uttarakhand State”

**7<sup>th</sup> December 2021 (In-person as well virtual)**

### Workshop Background

India Water Partnership (IWP) is a non-profit organization with the goal of promoting Integrated Water Resources Management (IWRM) in India. The IWP serves as an independent voice on water management issues and is working on various disciplines of water and allied sectors across India.

IWP is undertaking the assignment “**Enhancing Capability to Address Climate Change in Integrated Water Resources Management (IWRM) in Uttarakhand State**”. The assignment will sensitize and build capacities of officials of water resources and other relevant departments and institutions of Government of Uttarakhand to implement and mainstream adaptation actions into Integrated Water Resource Management (IWRM). The climate responsive approach to IWRM will help the State Government to ensure efficient and effective planning for water use with a view to meet the needs of all the sectors considering the recent challenges.

Towards end of the assignment, a one-day workshop is being organized by IWP in collaboration with Indian National Committee for Intergovernmental Hydrological Programme (INC-IHP), UNESCO and National Institute of Hydrology (NIH), Roorkee at NIH, Roorkee campus on **7<sup>th</sup> December 2021** to seek inputs and sensitize the state government officials on the theme of “**Integrated Water Resources Management in Uttarakhand**”.

### The Agenda

**Meet and Greet with Tea / Coffee / Snacks from 10.30 AM**

**Inaugural Session will begin at 11 AM**

INAUGURAL SESSION		
Time	Speaker	Theme
11.00-11.10 AM	<b>Dr Veena Khanduri</b> Executive Secretary-cum-Country Coordinator, India Water Partnership, GWP-India	Welcome Address & Context Setting.
11.10-11.20 AM	<b>Shri Mukesh Mohan</b> Engineer- in- Chief Department of Irrigation, Government of Uttarakhand	Presentation/Talk on Current highlights and work in the state related to IWRM
11.20-11.30 AM	<b>Shri A K Dinkar</b> Secretary, Central Board of Irrigation and Power & Former Engineer-in-Chief, Department of Irrigation, Government of Uttarakhand	Presentation/Talk on Journey of Uttarakhand related to IWRM
11.30-11.40 AM	<b>Dr Rajendra Dobhal</b> Director General, Uttarakhand State Council of Science and Technology & Chairman, Rural Development and Migration Commission of Uttarakhand	Address by Chief Guest
11.40-11.50 AM	<b>Shri A B Pandya</b> Secretary General, International Commission on Irrigation and Drainage & Former Chairman, Central Water Commission, Ministry of Jal Shakti, Government of India.	Address by Chief Guest
11.50-12.00 PM	<b>Dr Jyoti P Patil</b> Scientist “D” National Institute of Hydrology, Roorkee	Vote of Thanks
<b>Close of Inaugural Session (Tea/Coffee Break 12.00 PM to 12.05 PM) (IWRM Video 1 in the background)</b>		



### TECHNICAL SESSION-I:

#### IWRM – National and International Perspectives

Chair – Shri Mukesh Mohan, Engineer-in-Chief, Irrigation Department, Government of Uttarakhand

Time	Speaker	Theme
12.05- 12.20 PM	<b>Dr V C Goyal</b> Scientist “G”, National Institute of Hydrology, Roorkee & Member Secretary, INC-IHP, UNESCO	IWRM Concepts; their applications; vision; inclusion in policies and planning.
12.20-12.35 PM	<b>Shri Sunil Kumar</b> Director, Basin Planning-I Central Water Commission, Ministry of Jal Shakti, Government of India.	India’s Journey, Policies, National IWRM Plan.
12.35-12.50 PM	<b>Dr Lior Asaf</b> Water Attache, Israeli Embassy, New Delhi	International perspectives of IWRM; Incorporating learnings from other countries in Indian scenarios.
12.50 - 01.15 PM	<b>Laurent-Charles Tremblay-Lévesque</b> IWRM & Knowledge Management Specialist, Global Water Partnership (GWP), Stockholm, Sweden & <b>Ms. Gergana Majercakova</b> Senior Learning Specialist Global Water Partnership (GWP), Stockholm, Sweden	Sharing Knowledge about IWRM Toolbox. (Virtual Session)
01.15 – 01.25 PM	<b>Interaction/Question &amp; Answers. Closing remarks by the Chair.</b>	
<b>Close of Technical Session – I (Lunch Break 01.25 PM to 02.00 PM)</b>		

### TECHNICAL SESSION-II:

#### TECHNICAL UNDERSTANDINGS – CASE STUDIES

Chair – Dr Veena Khanduri, Executive Secretary-cum-Country Coordinator,  
India Water Partnership, GWP-India

Time	Speaker	Theme
02.00 – 02.15 PM	<b>Dr Swapnamita Vaideswaran</b> Scientist D, Associate Professor Wadia Institute of Himalayan Geology, Dehradun	How to understand local Geology, incorporating Himalayan Geology into planning
02.15 – 02.30 PM	<b>Dr Shobhan Singh</b> Scientist E, National Institute of Hydrology, Roorkee	Understanding Springs and their importance in the river systems – safeguarding them.
02.30 – 02.45 PM	<b>Mr Dharm Singh Meena (IFS)</b> Divisional Forest Officer, Narendra Nagar Division	Rejuvenating Heval River
02.45 - 03.00 PM	<b>Dr Debashish Sen</b> Director, People’s Science Institute, Dehradun	Case studies and including communities in IWRM
03.00 - 03.15 PM	<b>Mr. Anshuman Shukla</b> Chief Executive Officer, Retrota Technology (P) Limited, Dehradun	An Entrepreneur’s vision for Water Resources Development in Uttarakhand
03.15 – 03.25 PM	<b>Interaction/Question &amp; Answers. Closing remarks by the Chair.</b>	
<b>Close of Technical Session – II (Tea/Coffee Break 03.25 PM to 03.35 PM) IWRM Video 2 (Heval River rejuvenation video) in the background</b>		



<b>TECHNICAL SESSION-III: GROUP EXERCISE</b> <b>Chair – Dr V C Goyal, Scientist “G”</b> <b>National Institute of Hydrology, Roorkee &amp; Member Secretary, INC-IHP, UNESCO</b> <b>Support Team: Dr Jyoti P Patil, Scientist “D”, NIH &amp; Ms. Aditi Tallu, Consultant, IWP</b>	
<b>Time</b>	<b>Details</b>
03.35 – 04.15 PM	<ul style="list-style-type: none"><li>- Participants will be divided into groups of 6 persons each.</li><li>- There will be three scenarios given to the participant (one after the other).</li><li>- 5 minutes will be provided for each scenario</li><li>- Participants would be asked to develop comprehensive solutions for the three scenarios</li><li>- 15 minutes for presentation (In total) (2 mins for each presentation)</li></ul>
04.15 – 04.25 PM	<b>Summing up of the Group Exercise by the Chair.</b>

<b>TECHNICAL SESSION-IV: WAY FORWARD &amp; CONCLUDING REMARKS</b>		
<b>Time</b>	<b>Speaker</b>	<b>Theme</b>
04.25 - 04.40 PM	<b>Shri Kesar Singh</b> Editor, India Water Portal Hindi & <b>Mrs. Minakshi Arora (Advocate)</b> Founder and Managing Trustee for TREE & Manager, India Water Portal, Hindi	Stakeholders’ perspective and solution-based experience from the ground on IWRM.
04.40 – 04.45 PM	Summing up of the Workshop by Dr VC Goyal, Scientist “G”, NIH and Dr Veena Khanduri, Executive Secretary-cum-Country Coordinator, IWP	
04.45 – 04.50 PM	Vote of Thanks by Ms. Aditi Tallu Kaul, Consultant, IWP	
<b>Close of Workshop</b> <b>Tea / Coffee and snacks (Networking with guests and participants – 04.50 PM to 05.00 PM)</b>		

### **Workshop Coordination and Management Team:**

#### **National Institute of Hydrology (NIH) Team**

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#### **India Water Partnership (IWP) Team**

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