



दिनांक : 24.04.2021

प्रति

**As per list attached.**

विषय: राष्ट्रीय जल अकादमी, केन्द्रीय जल आयोग, पुणे में *“Purpose Oriented Training Program through Distance Learning on “HYDRO-METROLOGICAL OBSERVATION AT SITE”* विषय पर 10<sup>th</sup> -21<sup>st</sup> May 2021 तक का प्रशिक्षण कार्यक्रम का आयोजन - नामांकन संदर्भ में।

महोदय/ महोदया,

राष्ट्रीय जल अकादमी में *“Purpose Oriented Training Program through Distance Learning on “HYDRO-METROLOGICAL OBSERVATION AT SITE”* विषय पर 10<sup>th</sup> -21<sup>st</sup> May 2021 का प्रशिक्षण कार्यक्रम का आयोजन किया जा रहा है। इस कार्यक्रमसंबंधी प्रमुख बिन्दुएँ पृष्ठांकित (*overleaf*) हैं। विस्तृत ब्योरा सहित कार्यक्रम विवरणिका (*Program Brochure*) भी संलग्न है।

अनुरोध है कि संलग्नक में दिए गए स्तर के अधिकारियों को इस कार्यक्रम से लाभ उठाने हेतु यथाशीघ्र नामित करने का कष्ट करें। केन्द्रीय एवं राज्य सरकारों के विभागों के अधिकारियों के लिए इस प्रशिक्षणकार्यक्रममें भाग लेने हेतु कोई भी प्रोग्राम शुल्क नहीं है।

भवदीय,

हरिष गिरीष उंबरजे

निदेशक एवं कार्यक्रम समन्वयक

प्रतिलिपि :

1. Director, Training Dte., CWC New Delhi – [trngdte@nic.in](mailto:trngdte@nic.in) for information pl
2. Director, RMCD Dte , CWC, New Delhi
3. Director, Software Management Dte, CWC, New Delhi – [smdte@nic.in](mailto:smdte@nic.in) with a request to upload in CWC website pl.
4. To Executive Engineer (as Per List)

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GOVERNMENT OF INDIA  
MINISTRY OF JAL SHAKTI  
DEPARTMENT OF WATER RESOURCES,  
RIVER DEVELOPMENT & GANGA REJUVENATION  
CENTRAL WATER COMMISSION



**PURPOSE ORIENTED TRAINING THROUGH  
DISTANCE LEARNING  
"HYDRO-METROLOGICAL OBSERVATION AT SITE"**

**PROGRAM DURATION  
10-21 May-2021 (2 Weeks)**



**Organized by  
NATIONAL WATER ACADEMY, CWC, PUNE**

## INTRODUCTION

Surface Water hydrometric network is a system of river gauging stations in a river basin at which river stage, discharge and water quality and sediment are observed. The network provides hydrologic data needed for the planning, design and management of conservation and utilisation of the waters and other natural resources of the river system. In flood prone areas, the network also provides data for overall flood

management. Hydro-meteorological data forms the basis of further Hydrological Analysis.

This training programme shall cover all the finer issues involved in for various purpose at field for collection of Data and to answer practical difficulty in the Method of data collection in order to improve accuracy.

## PROGRAM OBJECTIVE

The program will comprise of online classroom sessions, case studies and discussions and will cover the frequently asked question and practical problem and solutions for staff at field formation on the following topics:

- ❖ Gauge Observation
- ❖ Velocity Observation Requirement of equipment's
- ❖ Maintenance Norms of HO Stations
- ❖ Data Entry
- ❖ Setup requirement for Boat Observation
- ❖ Metrological data collection

## PROGRAM FORMAT

The Registered participants will be given the Class Code by the Academy, on entering which they will be able to access the training modules consisting of voice over presentations; Videos etc. Program contains online lecture modules and Discussions using "Google Classroom". For facilitating to join the training, the participants have to register themselves in the "Google Classroom". Participants will be required to complete an online Assessment through Multiple Choice Questions (MCQ) after completion of each module.

It is estimated that the dedication needed to successfully complete this course is a total of about 12-16 hours, or an average of about 6-8 hours/week. As this is an online course, the officials can participate in the program without taking any leave from the office and would have flexitime.

## FACULTY

The faculty will be drawn from the core faculty of NWA and experts of the relevant topics. The faculty will be

available for online and offline interaction during the program duration.

## TARGET GROUP

The DL program is intended to benefit the Officers and staff in Field formation **JE, Observer, Work Sarkar, SWA, Site Supervisors, Outsourcing Staff** working in CWC, Central and State Govt. agencies involved in Hydro metrological data collection.

## PROGRAM FEE

There is no program fee.

## PARTICIPATION

The nomination may be sent to the Program Coordinator latest by 05<sup>th</sup> May 2021 by 1700. Confirmation on acceptance of nominations will be uploaded on NWA website (<https://nwa.mah.nic.in>) under the "Upcoming Events" link by 07<sup>th</sup> May 2021/by email/through Google Form . Participants will be awarded a certificate of participation at the end of successful completion of training.

## CONTACT

For query call: WhatsApp: 8275134648

## Harish Umbarje

Director & Program Co-ordinator  
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Website: <http://nwa.mah.nic.in>

## Registration

Please click the link and fill the online google form.

<https://forms.gle/NEDr693HGbP3se1YA>



**Completed Registration Form through above online link by 05/05/2021 by 1700.**

**PURPOSE ORIENTED TRAINING THROUGH DISTANCE LEARNING ON  
HYDRO-METROLOGICAL OBSERVATION AT SITE  
10<sup>th</sup> -21<sup>st</sup> May-2021**

Date/Day	Module/Schedule Details
10/5/2021 Monday	Welcome note to all Field officer & staff Trainees. (a) Gauge Observation, Zero of Gauge, Depth Measurement. Assessment/Assignment through MCQ
11/5/2021 Tuesday	(a) Equipment and Measurement of Velocity (b) Dry and wet Correction, and Echo Sounder Assessment /Assignment through MCQ
12/5/2021 Wednesday	(a) Rain Gauges – Assessment/Assignment through MCQ
13/5/2021 Thursday	(a) Wind vane and Anemometer (b) Evaprometer Sunshine Recorder and Stopwatch Assessment/Assignment through MCQ
14/5/2021 Friday	<b>National Holiday</b>
15/5/2021 Saturday	(a) Temperature Measurement (b) Thermometers- Dry wet, Max Min, Hydrograph Thermograph Stevenson Screen Assessment/Assignment through MCQ
16/5/2021 -Sunday	
17/5/2021 Monday	(a) Display of Graphs at site Assessment/Assignment through MCQ
18/5/2021 Tuesday	(a) Maintenance norm for HO site (b) Site Code : For JE and above staff Assessment/Assignment through MCQ
19/5/2021 Wednesday	(a) Installation of MTBM and Target post Pivot Post (b) Casting of Gauge Post Assessment/Assignment through MCQ
20/5/2021 Thursday	(a) Telemetry at CWC Site (b) Snow Hydrology. Assessment/Assignment through MCQ
21/5/2021 Friday	(a) WIMS Part I (b) WIMS Part II Assessment/Assignment through MCQ Discussion Feed Back and Distribution of Certificates

Program Coordinator & Faculty: Shri Harish Umbarje, Director, NWA, # 9947243510  
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