

NATIONAL WATER ACADEMY, PUNE

Training Program on

**Water Quality Assessment and Monitoring**

27-30 November 2017

**REGISTRATION FORM**

Name (in capitals): \_\_\_\_\_

Designation: \_\_\_\_\_

Organization: \_\_\_\_\_

Responsibilities (in brief): \_\_\_\_\_

\_\_\_\_\_

Full Postal Address: \_\_\_\_\_

\_\_\_\_\_

Tel Nos. (with STD Code) : \_\_\_\_\_

Fax No: \_\_\_\_\_ Mobile : \_\_\_\_\_

E-mail: \_\_\_\_\_

Whether lodging & boarding at NWA needed (PI tick): Yes / No

**Date** (Signature of the participant)

**SPONSORING AUTHORITY**

Full Postal Address: \_\_\_\_\_

\_\_\_\_\_

Tel Nos. (with STD Code) : \_\_\_\_\_

Fax No: \_\_\_\_\_ Mobile : \_\_\_\_\_

E-mail: \_\_\_\_\_

**Date** (Signature and Seal)

*Completed Registration Form may be sent by  
Fax to: 020-24380110*



Government of India  
**Ministry of Water Resources, RD & GR**  
Central Water Commission

Training Program on  
**Water Quality Assessment and Monitoring**  
27-30 November 2017



Organized by & at  
**National Water Academy**  
Pune

## Introduction

A specific quality of water is essential for human and animal health, agriculture, industry, recreation, etc. Without water of adequate quantity and quality sustainable development will not be possible. Earlier, "Water Crisis" used to be viewed as mainly a 'quantity' problem, but now, water quality is increasingly being acknowledged as an important factor for this water crisis scenario.

Today the major causes of quality degradation of surface water resources and various groundwater reserves are discharge of biological & chemical toxics, over-pumping of aquifers, long range atmospheric transport of pollutants and contamination of water bodies with substances that promote algal growth. When toxic substances enter surface and ground water sources, it results in pollution of water affecting the whole aquatic ecosystems. As a result, it does not only affect humans but also the aquatic and riparian ecosystems constituting the biosphere of plants, animals, fish, and birds. The present scenario is increasingly becoming challenging. To overcome these challenges, the need of the hour is assessment and monitoring of water quality and its proper management. This program intends to build/enhance capacity to address these issues.

## Objectives

- Understand the significance of Water Quality Monitoring in Water Quality Management;
- Improve technical skills on various practical aspects of water quality monitoring and management;
- Impart the knowledge of advanced instrumentation techniques in the area of water quality analysis and monitoring;
- Expose the participants to water quality monitoring laboratory setup, some state-of-the-art instruments, maintenance of instrument, analytical quality control etc;
- Familiarization with governance framework available for prevention of water pollution.

## Program Contents

This program will attempt to cover following aspects:

- Water quality challenges and perspectives
- Water Quality Monitoring Planning
- Water Quality Management
- Water Pollution Prevention Laws and Acts
- Analytical Quality Control and Data Validation
- Real Time Water Quality Monitoring
- Statistical Tools in Water Quality Data Analysis
- Water Quality Status of Rivers In India
- Advanced Instrumentation in Water Quality Analysis
- Microbiological Lab Setup and Analysis
- NABL Accreditation of Laboratory

## Duration

04 days; 27-30 November 2017

## Venue

National Water Academy, Khadakwasla, Sinhagad Road, Pune-411 024.  
(for more info on NWA, visit <http://nwa.mah.nic.in>)

## Program Fee

There is **no program fee** for participants from **Central and State Govt. departments**. Charges for participants from other agencies are:

| Category | Description   | Fee in Rs. (per participant) |
|----------|---|------------------------------|
| A        | Central/State Government/Departments including their autonomous bodies:   | Nil                          |
| B        | PSUs/SPVs of State governments which are <i>Not-for-profit</i> organizations/ authorities/ bodies of state governments, even if they have "Corporation" or "Limited" in their name, <b>only if they certify</b> that they are "not for profit" organizations. | Nil                          |
| C        | Recognized academic institutions, NGOs  | Rs. 1200/-                   |
| D        | PSUs of MoWR, Govt of India   | Rs. 4000/-                   |
| E        | Central and State PSUs ( <i>other than Category B &amp; D</i> )   | Rs. 8000/-                   |
| F        | Private Companies, Individuals  | Rs. 12000/-                  |

Payment may be made by Demand Draft drawn in favour of **Deputy Director (A&C), NWA**, Pune, prior to start of the program. For multiple nominations, discount on participation fee is available as mentioned on our web site.

## Target Group

Middle and junior level officers engaged in works related to assessment, monitoring and surveillance of water quality from Central/State Government Departments, Academic/Research institutes, NGOs, Private companies, etc.

## Participation

Nomination of officers fitting the target profile may be sent to the Program Coordinator latest **by 06 November 2017**. The accepted nominations would be posted on our web site (<http://nwa.mah.nic.in>) under the link "*Upcoming Events*" **by 08 November 2017**.

## Local Hospitality

NWA has a self-contained residential campus where all out-station participants would be provided with lodging and boarding. Charges for lodging and boarding are to be borne by participants themselves. Local pickup/drop will have to be arranged by the participants.

## Weather

During the month of November, Pune normally experiences pleasant weather with average temperature generally around 25°C. In the evening, need for light woollens may be felt.

## Contact

For sending nominations or for any information with regard to this Program, please contact:

### Shri Sushil Kumar

Director & Program Coordinator  
National Water Academy, CWC,  
Khadakwasla, Sinhagad Road, Pune – 411 024

Tel: 020 - 24380144, Fax: 020-24380110/24380224

**e-mail: [sushilkumar\\_cwc@yahoo.co.in](mailto:sushilkumar_cwc@yahoo.co.in) / [nwa.mah@nic.in](mailto:nwa.mah@nic.in)**

Website: <http://nwa.mah.nic.in>