

**NATIONAL WATER ACADEMY, PUNE**

**Training Program on  
“Ground Water Management & Modeling”  
(22 - 23 March 2018)**

**REGISTRATION FORM**

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

Designation \_\_\_\_\_

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

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

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

Tel No. (With STD Code): \_\_\_\_\_

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

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

Whether require accommodation at NWA complex ? YES / NO

Date \_\_\_\_\_ (Signature of the participant)

**SPONSORING AUTHORITY**

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

Tel No. (With STD Code): \_\_\_\_\_

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

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

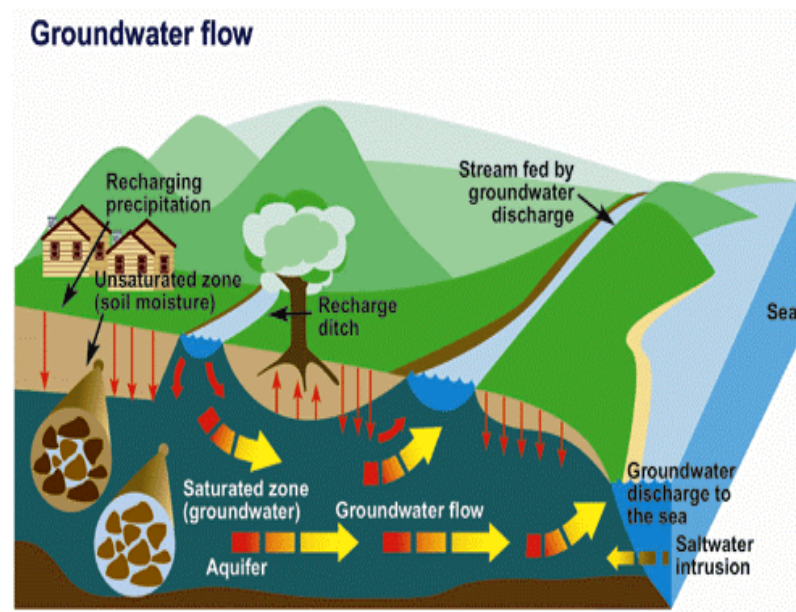
Date \_\_\_\_\_ (Signature and Seal)

*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  
GROUND WATER MANAGEMENT &  
MODELING  
(22 - 23 March 2018)**



*Organized by  
National Water Academy, Pune*

## INTRODUCTION AND OBJECTIVE

Ground water is the common pool resource used by millions of farmers in the country and remains the predominant drinking water source for rural water supply. It also supports industrial usages. The scarcity of water resources and ever increasing demand of these vital resources require identification, quantification and management of ground water in a way that prevents overexploitation and consequent economic and environmental damage, while satisfying demand for water supply of competing sectors.

Groundwater Modelling is an efficient tool for groundwater management and remediation. Models are a simplification of reality to investigate certain phenomena or to predict future behaviour. The challenge is to simplify reality in a way that does not adversely influence the accuracy and ability of the model output to meet the intended objectives. Despite their efficiency, models can be complicated and produce wrong results if they are not properly designed and interpreted. To help selecting the proper model, modelling objectives should be clear and well identified. If the conceptual model is not properly designed, all modelling processes will be a waste of time and effort. To build a proper conceptual model, hydrogeological data should be sufficient and reliable. Calibration and verification are the last steps in modelling before writing the final model report.

This training programme aims to encompass the various aspects related to groundwater management, groundwater pollution along with Ground water modeling with hands on. Groundwater modeling shall contain brief description of different types of models and different types of solutions. In addition, special difficulties and common mistakes in modelling shall be discussed.

## PROGRAM CONTENTS

- Overview of Groundwater Management
- Conjunctive Use of SW & GW.
- Ground Water Contamination
- Sea Water Intrusion
- Ground Water Modeling overview
- Hands on

## PROGRAM FEE

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

Category	Description	Fee in Rs. (per participant per day)
A	Central / State Government / Departments including their autonomous bodies	NIL
B	PSUs/ SPVs of State Governments which are <i>not-for-profit</i> Organization / Authorities / Bodies of State Governments, even if they have "Corporation" or "Limited" in their names, <b>only if they certify</b> that they are " <i>not for profit</i> " organizations	NIL
C	Recognized Academic Institutions, NGOs	300/-
D	PSUs of MoWR, RD & GR, Govt. of India	1000/-
E	Central & State PSUs (other than Category B & D)	2000/-
F	Private Companies, Individuals	3000/-

Discounts applicable: (a) For PSUs of MoWR, RD & GR i.e. WAPCOS & NPCC (no group discount); (b) For others 20% discount for 3-4 participants; 30% discount for 5 or more participants from the same organization.

Payment may be made by Demand Draft drawn in favour of Deputy Director (A&C), NWA, Pune, prior to start of the program.

## DURATION

Two days training program from 22 & 23 March 2018. The participants are expected to reach NWA by the evening of 21<sup>st</sup> March 2018 and should plan to leave only after 1800 Hrs. of 23<sup>rd</sup> March 2018.

## VENUE

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

## TARGET GROUP

The program intends to focus on the Junior, Middle and Senior level officers of Central and State Govt. Departments, PSU's, Private Organizations, Academic Institutions and NGOs and provides a forum to facilitate discussions on various crucial issues associated with Ground Water Management & Modeling Aspects.

## PARTICIPATION

The nomination of the officers fitting the target profile may be sent to the Program Coordinator **latest by 09<sup>th</sup> March 2018**. **The nominated officers are requested to start for the program only after acceptance of their nomination**. The accepted nominations will be displayed on NWA's website on **12<sup>th</sup> March 2018**.

## LOCAL HOSPITALITY

NWA has a self-contained residential campus, and out-station participants would be provided with accommodation in the NWA Hostel (as per the availability). **Boarding and Lodging charges will have to be borne by participants**. Airport/Railway station pickup/drop will also have to be arranged by the participants themselves.

## WEATHER

During the month of March the average temperature of Pune may be around 25 - 35°C.

## CONTACT

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

**Sh Sidhartha Mitra**  
Director & Program Coordinator  
National Water Academy, CWC,  
Khadakwasla, Sinhagad Road,  
Pune- 411024

**Sh Deepak Chandra Bhatt**  
Dy. Director & Co-Coordinator  
National Water Academy, CWC,  
Khadakwasla, Sinhagad Road,  
Pune-411024

Tel: 020 - 24380528, Fax: 020-24380110, Mobile: 7507088332, 9862594047

**E-mail:** [sidhartha\\_mitra@yahoo.com](mailto:sidhartha_mitra@yahoo.com); [nwa.mah@nic.in](mailto:nwa.mah@nic.in), [deepakchandrabhatt@rediffmail.com](mailto:deepakchandrabhatt@rediffmail.com)

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