

**NATIONAL WATER ACADEMY, PUNE**

Training Program on  
**Water Budgeting**  
16-19 January 2018  
**REGISTRATION FORM**

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

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

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

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

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

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

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

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

**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**



सत्यमेव जयते

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



Training Program on  
**Water Budgeting**  
**16-19 January 2018**

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

## Introduction and Objectives

Water budgeting is an comprehensive process involving assessment of available water resource, losses due to various reasons, present consumption pattern & demand from all water use sectors. A water budget reflects the relationship between input and output of water through a region. The region can be a village, a watershed, sub basin, basin or a Project. Though it is advisable to use perform water budgeting for a Hydrologic unit, however it can be applied to an administrative unit as well e.g. District or state.

Water audit improves the knowledge and documentation of the distribution system, problem and risk areas and a better understanding of what is happening to the water after it leaves the source point. It is thus an effective management tool for minimizing losses, optimizing various uses and thus enabling considerable conservation of water. It helps in correct diagnosis of the problems faced in order to suggest optimum solutions. It is also an effective tool for realistic understanding and assessment of the present performance level and efficiency of the service and the adaptability of the system for future expansion & rectification of faults during modernization.

In order to groom trainers on Water Budgeting, NWA is organizing a Training program on Water Budgeting for all stakeholders who are involved in Water Management.

## Program Contents

The program will be conducted in the “TRAINING OF TRAINERS” mode. This program will cover following aspects:

- Introduction to water Budget, Requirement of Data for Water Budgeting
- Methodology of Water Budgeting adopted
- Assessing the Water Availability and different sources of Water
- Existing Storage Capacity – Surface/Ground Water
- Water Demand : Domestic/Crop Water/Livestock/Industrial/Power/ Total demand, Changing Trend of Water Demands
- Irrigation Water Management : Cropping Pattern/Estimation of Crop Water Requirement /Irrigation scheduling/ methods of irrigation used/Types of soil etc., Use of Advanced Irrigation Techniques to increase WUE
- Conjunctive Use of Surface and Groundwater, Estimation of Water Losses for various sectors
- Application of Modelling Tools for Water Budgeting and estimating crop water requirement
- Role of Community / Stakeholders
- Case Study

## 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)
A.	Central/State/Local Government Depts. including their autonomous bodies:	Nil
B.	'Not for Profit' Central and State PSUs	Nil
C.	Recognized academic institutions, NGOs	1,200/-
D.	Central and State Public Sector Undertakings	8,000/-
E.	Private Companies, individuals	12,000/-

- Discounts applicable : (a) 50% for PSUs of MoWR 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.

For modalities in respect of payment of fee, please refer to our website or contact the Program Coordinator.

## Duration

04 days; 16-19 January 2018

## Venue

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

## Target Group

Graduate Officers, of the rank of AE/AEE/EE/SE or equivalent and working in Water Resources Department, Irrigation Departments, WALMIs/IMTIs etc.

## Participation

Nomination of officers fitting the target profile may be sent to the Program Coordinator latest by 08th January 2018 The accepted nominations would be posted on our web site (<http://nwa.mah.nic.in>) under the link “Upcoming Events” by 09th January 2018.

## 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.

## Contact

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

### Shri D S CHASKAR

Director-Designs & Program Coordinator  
National Water Academy, CWC,  
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