

**NATIONAL WATER ACADEMY, PUNE**

**Training Program on  
“RIVER MORPHOLOGY AND SEDIMENT MANAGEMENT”  
(29<sup>th</sup> January – 2<sup>nd</sup> February 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: \_\_\_\_\_

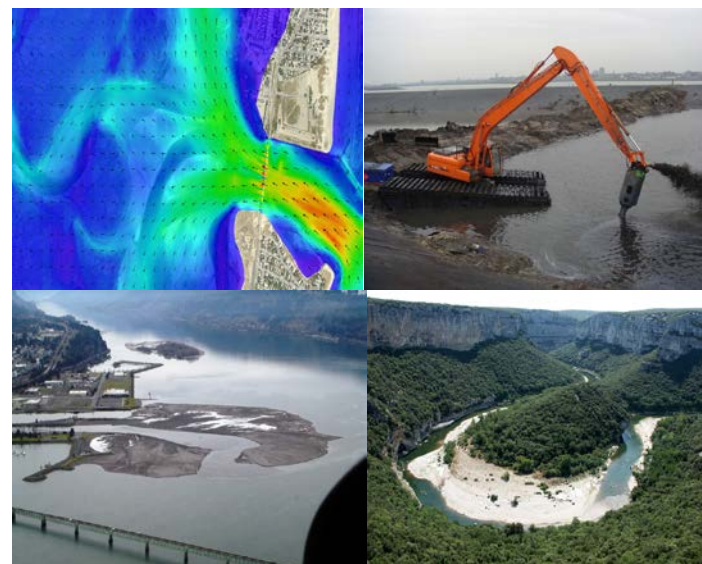
Date \_\_\_\_\_ (Signature and Seal)

*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  
RIVER MORPHOLOGY AND SEDIMENT  
MANAGEMENT  
(29<sup>th</sup> January – 2<sup>nd</sup> February 2018)**



*Organized by  
National Water Academy, Pune*

## INTRODUCTION AND OBJECTIVE

India with nearly 5000 large dams and a large number of Medium/Small dams has a live storage capacity of 253 billion cum. More than half of the large dams are more than twenty five years old and siltation of these storages has been a matter of great concern. Soil erosion, transportation and its deposition in reservoirs is a universal phenomenon. Siltation in some of them has impacted their storage capacity, thus limiting economic benefits of these investments. Despite decades of research, sedimentation still probably is a serious technical problem faced by dam engineers.

Problems confronting the project-planner are to estimate the rate of sedimentation and period of time before the sediment will interfere with useful functions of the reservoir. Sufficient provision need to be made for sediment storage in the reservoir at the time of design so as not to impair reservoir functions during the designed life of the project. It is therefore, essential to monitor the capacity of existing reservoirs at regular intervals and take suitable measures for controlling the sedimentation rate and utilize the findings in the planning of future reservoirs. Timely remedial measures are required to be taken to reduce the siltation and to remove silt deposited in order to prolong the useful life of the reservoir. River morphology and sediment transportation in rivers is also a very important and relevant area of interest & concern. Both River Morphology and Reservoir Sedimentation are integrally connected and should not be dealt with separately, although there are other factors influencing the process of erosion, transportation and deposition of sediments. This training program aims at dealing with the aspects of sedimentation and its control all along the river course and its catchment in a holistic manner.

## PROGRAM CONTENTS

- River Morphology
- River Morphological Studies
- River Training Works and Sediment Management
- Reservoir Sedimentation Studies
- Bathymetry & Remote Sensing Methods in Sedimentation Studies
- Sediment Management in Reservoirs
- Application of Sediment Transport Modeling Tools
- Physical Model of siltation in rivers/reservoirs
- Case Study & Field Visit

## 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.<br>(per participant<br>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

One week 29<sup>th</sup> January to 2<sup>nd</sup> February 2018. The participants are expected to reach NWA by the evening of 28<sup>th</sup> January 2018 and should plan to leave only after 1800 Hrs. of 2<sup>nd</sup> February 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 middle level 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 River Morphology & Reservoir Sediment Management in water resources projects.

## PARTICIPATION

The nomination of the officers fitting the target profile may be sent to the Program Coordinator **latest by 18<sup>th</sup> January 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 **19<sup>th</sup> January 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 end January-February the average temperature of Pune may be around 22°C with pleasant climate.

## CONTACT

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

### Sh Sidhartha Mitra

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National Water Academy, CWC,  
Khadakwasla, Sinhagad Road,  
Pune- 411024

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

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