

NATIONAL WATER ACADEMY, PUNE

Training Program on
Coastal Erosion and Protection
16-20 July 2018
REGISTRATION FORM



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

Training Program on
Coastal Erosion and Protection
16-20 July 2018

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*



Organized by & at
National Water Academy
Pune

Introduction and Objectives

India's coastline of about 7500 kms along the Arabian sea, Indian ocean and Bay of Bengal spread across several states and union territories are facing the problem of erosion and deposition of sediment, leading to deterioration in coastal ecosystems. It is more extensive and severe in some states, while in others it is observed in varying intensities at isolated stretches.

A sea coast is eroded when material being removed by the wave breaking at its shore, for deposition elsewhere, exceeds the rate of supply. Coastal erosion is a natural process even in pristine environments, however due to haphazard developmental activities in the coastal areas it gets aggravated. It is becoming increasingly apparent that successful management of these coastal problems must be integrated - that is, all aspects of multiple problems must be addressed together. Engineering measures being adopted for protecting the coast from erosion include hard measures like sea walls, bulkheads, revetments, groynes, offshore breakwaters etc and soft measures like beach nourishment, conservation of ecology etc.

Coastal protection is a specialized field in itself and more so an inter-disciplinary task. Sustainable Engineering measures for Coastal protection based on sound scientific principles taking into account the vulnerability of the coast to natural hazards and man-made developmental activities, sustainable livelihood security for local communities, and conservation of ecologically and culturally significant coastal resources is necessary for effective management of coastal stretches.

This program is conceived to impart training on different facets of coastal protection. The purpose is not only to create awareness about the extent of coastal erosion problem in our country and its protection measures, but also to utilize the latest technical know-how for the coastal zone management through a series of expert deliberations. The program has been framed keeping these objectives in mind.

Program Contents

This program will attempt to cover following aspects:

- ❖ Overview of coastal erosion problems and protection measures
- ❖ Wave Hydrodynamics
- ❖ Tidal Hydrodynamics
- ❖ Coastal Processes
- ❖ Coastal sedimentation concepts
- ❖ Shore protection measures – types, design & construction principles
- ❖ Hydraulic modelling techniques for coastal erosion mitigation
- ❖ Coastal Morphology and Shoreline Evolution
- ❖ Field data collection and analysis for coastal protection works
- ❖ Remote Sensing Application in Coastal Engineering
- ❖ Innovative methods of coastal protection
- ❖ Integrated Coastal Zone Management

Program Fee

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

<i>Category</i>	<i>Description</i>	<i>Fee in Rs. (per participant)</i>
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, only if they certify that they are "not for profit" organizations.	Nil
C	Recognized academic institutions, NGOs	1500/-
D	PSUs of MoWR, Govt of India	5,000/-
E	Central and State PSUs (<i>other than Category B & D</i>)	10,000/-
F	Private Companies, Individuals	15000/-

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.

Duration

05 days; 16-20 July 2018

Venue

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

Target Group

Graduate Engineers, professionals with preferably two years of experience in the related field, of the levels of Director/SE/Dy. Director/EE/AEE/AE from Central/State Govt organizations, PSUs, Private Organizations etc.

Participation

Nomination of officers fitting the target profile may be sent to the Program Coordinator latest by **29th June 2018**. The accepted nominations would be posted on our web site (<http://nwa.mah.nic.in>) under the link "*Upcoming Events*" by **3rd July 2018**.

Local Hospitality

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

Weather

During the month of July at Pune, the monsoon is expected to set in fully. So rain gears may be required. The temperature in July is generally around 22-28°C.

Contact

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

Shri Sushil Kumar

Director & Program Coordinator
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e-mail: sushilkumar_cwc@yahoo.co.in

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