

केन्द्रीय जल आयोग
अभिकल्प एवं अनुसंधान समन्वय निदेशालय

पूर्व पृष्ठ के पत्र की एक प्रति (संलग्नक सहित) सूचनार्थ एवं उचित कार्रवाई हेतु अगमागित की जाती है।
संलग्नक उपरोक्त।

ए. के. नायक 15.5.12
(ए. के. नायक)
निदेशक

नोडल निदेशक, फाटक (उ. एवं प.) / एच. सी. डी. (उ.प. एवं द.) / एच. सी. डी. (पू. एवं उ. पू.) /
ज. वि. (मध्य) / सरदार सरोवर (विद्युत गृह) / बांध मुक्ता प्रबोधन निदेशालय, केन्द्रीय जल आयोग।

पत्र सं 13/5/2012/ अभि. एवं अनु. सम. / 225-30

दिनांक 15. 5. 2012

लोकेन्द्र 15.5.12
उपनिदेशक कृपया फॉर चारलट कर।
आ. शा. 15/5/12

डा. अ. ना. निदेशक
डा. अ. ना. निदेशक
दिनांक 16/5/12

केन्द्रीय जल आयोग
बांध मुक्ता प्रबोधन निदेशालय

जल से एक नई संलग्नक सुचना एवं उपरि का पत्र
है।

21/5/12
16/05/2012

(राहुल कुमार)
(सहायक निदेशक)

निदेशक - पत्र। सा. प्र. नौ. के. सं. नि. नि. बा. मु. प्र. के. प्र. जल आयोग
13/12/12/ 13/12/2012/ 237-240/12 व. 16.5.12

May 16/12/12
13/05/12
AD-4



No. 3/139/2012-NWA/ 1138-1375

Dated : 27 April 2012

To,
The Member (D&R)
Central Water Commission
Room No. 410 (S)
Sewa Bhawan, R K Puram
New Delhi

Sub: Short Term Training Programs on :

- 1) Project Planning and Investigation of Water Resources Projects during 9-13 July 2012
 - 2) Economic, Social and Environmental Aspects of Water Resources Projects during 21-24 August 2012.
- to be conducted at National Water Academy, Pune

Sir/Mam,

Following two short term training programs namely :

- 1) Project Planning and Investigation of Water Resources Projects during 9-13 July 2012
- 2) Economic, Social and Environmental Aspects of Water Resources Projects during 21-24 August 2012

are proposed to be organized by National Water Academy, Pune during the above mentioned period. The programs are intended to benefit the officers at the level of AE/AEE/EE or equivalent working in the field of Water Resources Development and Management Projects in various State and Central Govt. Depts. The program has been designed to present an overview of the subject and help the trainees in obtaining sufficient knowledge on the above aspects of Water Resources.

It is therefore, requested to kindly nominate few officers at the level of AE/AEE/EE or equivalent as per details given in the bulletins for the two programs. The acceptance of nomination for the course would be intimated as per the dates given in the bulletin of each training program. To facilitate the same, kindly fill up the registration form enclosed herewith giving your detailed address for correspondence alongwith with telephone number, fax number and e-mail address.

Information bulletin giving details of the program is enclosed for kind information. For more information about the program, kindly visit NWA website <http://nwa.mah.nic.in>. The accepted nominations would be posted on our web site (<http://nwa.mah.nic.in>) as per the dates given in the Information bulletin to enable selected participants to make their travel arrangements.

Encl : Program Bulletin

Yours faithfully,

राजीव सिंहल

Rajeev Singhal
Director

Khadakwasla, Pune -Sinhgad Road, Pune-411 024

TEL : 020-24380476, EPABX No. 24380392, 24381517 Ext.: 108, FAX : 020-24380110/24380224

Web : <http://wrmin.nic.in> <http://cwc.gov.in> <http://nwa.mah.nic.in> E-mail : nwa.mah@nic.in

22/5/12
17/5/12
Htupel
10.5.12
ADP

2
Sd/-

REGISTRATION FORM

Name (in capitals): _____
Designation: _____
Date of Birth: _____
Organization: _____
Responsibilities (in brief): _____

Full Postal Address: _____

Telephone Nos.(with STD Code) : _____
Fax No.(with STD Code): _____
Mobile: _____
E-mail: _____

Date (Signature of the participant)

SPONSORING AUTHORITY

Full Postal Address: _____

Telephone Nos: _____
(with STD Code)
Fax No.(with STD Code): _____
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
CENTRAL WATER COMMISSION



TRAINING PROGRAM ON
Project Planning & Investigation of
Water Resources Projects

(9-13 July 2012)

Organised by
NATIONAL WATER ACADEMY

at
NWA Complex
Khadakwasla, Sinhagad Road, Pune-24

INTRODUCTION AND OBJECTIVE

India has made tremendous progress in river valley engineering and ranks as one of the front-runners in this discipline. Tall dams, long dams, concrete dams, earth and rockfill dams, dams in seismic areas, tunnels, underground surge shaft and penstock, powerhouse caverns including underground switch yards, large irrigation canals, aqueducts, etc. have been designed and successfully constructed by Indian engineers entirely on their own.

In the first five decades after independence most of the easily accessible sites located at the foothills have been developed. The task ahead is therefore to develop more difficult projects, which are located deep in the hilly region involving difficult approach to mobilize the resources and geologically challenging field conditions.

One of the important phases of development of any Water resources scheme is the planning stage, which involve collection of essential input data for conceiving and planning the scheme. A well formulated project report is essential as inadequate investigation is a major contributing factor for cost and time overruns during the construction stage. Preparation of a detail project report (DPR) is the first step in taking up a river valley project. A deficient DPR results not only in approval of the project, but inaccurate estimation of various project components results in time and cost overruns.

This training programme aims to lay emphasis on various aspects of Project planning and investigation of a Water Resources Project and equip the officers with the multidisciplinary approach and methodology of Project Planning & Investigation addressing it in the most scientific manner.

PROGRAM CONTENTS

- ❖ Field work required for layout setting & planning
- ❖ Survey & Investigations
- ❖ Feasibility report
- ❖ Topographical, Geo-Technical Survey
- ❖ Construction material Survey
- ❖ Preparation of DPR
- ❖ Power potential studies
- ❖ Planning for Hydel Civil structures
- ❖ Rate analysis

FACULTY

The course faculty will be drawn from the core faculty of NWA, CWC, Survey of India, CSMRS, GoM, CWRPS and experts of the relevant topics.

TARGET GROUP

The training course is intended to benefit the young officers in the rank of AE/AEE/EE or equivalent and working in State and Central Govt. agencies involved in the Water Resources Development and Management.

VENUE

The course will be conducted at NWA Campus, Pune. The NWA is located at a distance of about 18 Kms from Pune Railway Station and about 30 Kms from Pune Airport on the Pune-Sinhagad road at Khadakwasla. Please refer the map given in the website of NWA.

WEATHER

During the month of July, it is normally monsoon season and the average temperature of Pune may be around 25°C varying from around 20°C to around 30°C. An umbrella/raincoat will be an useful accessory during this season.

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.	Recognized academic institutions, NGOs	1,500/-
C.	Central and State Public Sector Undertakings	10,000/-
D.	Private Companies, individuals	15,000/-

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

PROGRAM DURATION

9 – 13 July 2012
Registration at 0930 hrs. on 9 July 2012

LOCAL HOSPITALITY

NWA has a self-contained residential campus, and all out-station participants would be provided with accommodation in the NWA Hostel. No separate fees will be charged for boarding and lodging for category-A. However, for category B, C & D, standard rates will apply for boarding and lodging. Airport/Railway station pickup/drop will have to be arranged by the participants. The participants may avail the services of prepaid taxi/auto.

PARTICIPATION

The nomination of the officers fitting the target profile may be sent to the following address latest by 12 June 2012. Confirmation on acceptance of nominations will be only on NWA's website by 14th June 2012. No separate letter will be issued. The nominated officers are requested to start for the program only after getting confirmation/ acceptance of their nomination.

CERTIFICATE

The NWA awards certificate to participants on successful completion of the training.

CONTACT

For sending nominations or for any information about this Program, please contact :

Rajeev Singhal

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

Tel: 020 – 24380476 (o); Fax: 020-24380110
E-mail: nwa.mah@nic.in/singhal_rajeev@yahoo.com
Website: <http://nwa.mah.nic.in>

NATIONAL WATER ACADEMY, PUNE
Training Program Economic, Social and Environmental Aspects
(21-24 August 2012)

REGISTRATION FORM

Name (in capitals): _____
Designation: _____
Date of Birth: _____
Organization: _____
Responsibilities (in brief): _____
Full Postal Address: _____
Telephone Nos(with STD Code) : _____
Fax No(with STD Code): _____
Mobile: _____
E-mail: _____

Date (Signature of the participant)

SPONSORING AUTHORITY

Full Postal Address: _____
Telephone Nos: _____
(with STD Code)
Fax-No. (with STD Code): _____
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
CENTRAL WATER COMMISSION



Training Program
on
Economic, Social and Environmental Aspects of
Water Resources Projects

(21-24 August 2012)

Organised by
NATIONAL WATER ACADEMY

at
NWA Complex
Khadakwasla, Sinhagad Road, Pune-24

INTRODUCTION AND OBJECTIVE

Water Resources is one of the key areas which directly contribute to the economic development of our country. With the impetus given to the water resources sector, we have been able to increase our foodgrain production from 51 million tons in 1951 to about 232 million tons in recent years. The hydropower generation has increased from an installed capacity of 500 MW in 1947 to about 28000 MW. But the population of our country which is expected to stabilize at around 150 to 170 crore by 2050, demands more water for food, drinking, energy, industrial and other requirements. To meet these demands we need to fully exploit the available water resources, which means creation of

Any investment in a sector or a project needs to be analysed and evaluated on economic as well as social parameters before taking final decision. In this context, the economic analysis of investment plays a key role in the decision making process. At the same time, social benefits or repercussions also need to be evaluated and taken into consideration.

Any developmental activity interferes with the natural ecosystem and water resources development is not an exception. Several environmental issues come to the fore when we implement these new schemes. The human beings are considered to be at the centre of ecosystem and their survival is necessary to protect the environment. Hence it becomes imminent to undertake developmental activities and at the same time take steps to safeguard the ecological balance. The Environmental Impact Assessment is to be carried out before any water resources development project is taken up for implementation.

The training programme intends to focus on socio-economic analysis and issues associated with environmental management of water resources projects and intends to provide training for the middle level officers of Central and State Govt. Departments.

PROGRAM CONTENTS

- ☛ Engineering economics
- ☛ Cost and benefit concepts in WR Projects
- ☛ Estimation of Net Present Value, Benefit Cost Ratio and Internal Rate of Return.
- ☛ Social issues in Irrigation Projects
- ☛ Socio-Economic Survey – need, methodology and utility
- ☛ Impact of WRD Projects on Flora & Fauna
- ☛ Environmental Management for WRD Projects- An Overview
- ☛ Environmental Acts & Legal framework for clearance of WRD Projects
- ☛ Preparation of EIA Reports
- ☛ Resettlement and Rehabilitation issues
- ☛ Parameters of Environmental Safeguard and Monitoring of Environmental Management of Water Resources Projects
- ☛ Tackling the problems of water logging and salinity in a WRD Projects
- ☛ Role of NGOs in the development of WR Project with specific reference to contribution in environmental management.

FACULTY

The course faculty will be drawn from the core faculty of NWA, CWC, CGWB, University of Pune, MITCON, and experts of the relevant topics.

TARGET GROUP

The training course is intended to benefit the young officers in the rank of AE/AEE/EE or equivalent and working in State and Central Govt. agencies involved in the Water Resources Development and Management.

VENUE

The course will be conducted at NWA Campus, Pune. The NWA is located at a distance of about 18 Kms from Pune Railway Station and about 30 Kms from Pune Airport on the Pune-Sinhagad road at Khadakwasla. Please refer the map given in the website of NWA.

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.	Recognized academic institutions, NGOs	1200/-
C.	Central and State Public Sector Undertakings	8000/-
D.	Private Companies, individuals	12000/-

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

Registration at 0930 hrs. on 21 August 2012

LOCAL HOSPITALITY

NWA has a self-contained residential campus, and all out-station participants would be provided with accommodation in the NWA Hostel. No separate fees will be charged for boarding and lodging for category-A. However, for category B, C & D, standard rates will apply for boarding and lodging. Airport/Railway station pickup/drop will have to be arranged by the participants. The participants may avail the services of prepaid taxi/auto.

WEATHER

During the month of August, it is normally monsoon season and the average temperature of Pune, may be around 25°C varying from around 20°C to around 30°C. An umbrella/raincoat will be an useful accessory during this season.

PARTICIPATION

The nomination of the officers fitting the target profile may be sent to the following address latest by 23 July 2012. Confirmation on acceptance of nominations will be Confirmation on acceptance of nominations will be only on NWA's website by 25th July, 2012. No separate letter will be issued. The nominated officers are requested to start for the program only after getting confirmation/ acceptance of their nomination.

CERTIFICATE

The NWA awards certificate to participants on successful completion of the training.

CONTACT DETAILS

For sending nominations or for any information of this Program, please contact :

Rajeev Singhal

Director
National Water Academy, CWC,
Khadakwasla, Sinhagad Road,
Pune - 411 024

Tel: 020 - 24380476 (o); Fax: 020-24380110
E-mail: nwa.mah@nic.in/singhal_rajeev@yahoo.com
Website: <http://nwa.mah.nic.in>