

## Training Program on Preparation of Detailed Project Report

### **Introduction and Objective**

India is supporting 16% of the world's human population and 18% of the cattle population with just 4% of water resources. Even this 4% water resource is received with a large variability in time and space, resulting in floods and droughts in various parts of the country. This necessitates engineering interventions in the river valleys for storage of water, for diversion of water to where it is required, for generation of electricity, and for flood control.

India has made tremendous progress in river valley engineering and ranks as one of the frontrunners 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.

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. However, while designs and construction management are considered specialized disciplines worthy of full fledged Masters level programs, preparation of DPR has not received the attention it deserves. Consequently, deficient DPRs continued to be received by the Central agencies. With the increased and exhaustive scrutiny of the projects proposals by the civil society, it has now become all the more necessary to ensure that the DPRs are prepared to exacting standards. The training program on preparation of detail project reports is aimed at addressing this requirement.

In spite of the significant role of Irrigation in our development, the major and medium irrigation sector is subjected to adverse criticism from time to time. Interstate issues, multi-disciplinary approach, sociological aspects environmental impact assessment, complexities of the future projects and challenges for their Planning and Design are some of the areas which should be addressed in the DPR. This training program aims to lay emphasis on various aspects of preparation of DPR & empower the future investigation and DPR consultations to equip themselves with the multidisciplinary aspect and methodology of DPR preparation addressing it in the most scientific manner.

### **Program Content**

The program will comprise of technical sessions, case studies, hands-on sessions, field visit. Participants in the program will learn about the basic structure of the DPR as required for its approval by the various central agencies; various field investigations required; and of his analysis of the data for preparation of various chapters of the DPR. Main components of the program are :

- ❖ DPR preparation over view
- ❖ Chapters of DPR
- ❖ Project Planning
- ❖ Field work required for DPR preparation
- ❖ Project Hydrology
- ❖ Topographical Survey
- ❖ Practical Training on Topographical Survey
- ❖ Engineering Geology
- ❖ Construction material Survey and testing of material
- ❖ Environmental Impact Assessment

- ❖ Rehabilitation & Resettlement
- ❖ Irrigation Planning
- ❖ Inter-state aspect
- ❖ Design of various components
- ❖ Construction machines, man power and equipment planning
- ❖ Hydrological Surveys
- ❖ Estimation & costing

#### Visits to-

- ❖ CW&PRS
- ❖ S.O.I

#### Resource Persons

The resource persons for the program would be subject experts from:

- ❖ Central Water commission
- ❖ Central Soil and Material Research Station
- ❖ Central Water and Power research Station
- ❖ Geological Survey of India
- ❖ Survey of India
- ❖ Central Electricity Authority

#### Duration

17 – 28 Jan 2011

The participants should reach NWA by the evening of 16<sup>th</sup> January 2011 and should plan to leave only after 1800 Hrs. on 28<sup>th</sup> of January.

#### Target Group

Graduates in relevant discipline(s) of engineering with some years of work experience in the field of planning of construction water resources structures.

#### Venue

**National Water Academy**, Khadakwasla, Sinhagad Road, Pune-411 024.

#### Program Fee

The Program Fee for various categories of participants is given below:

Category	Participants from	Fee in Indian Rupees (per participant)
A.	Central/State Government/Departments including their autonomous bodies	Nil
B.	Recognized academic institutions, NGOs	₹ 3,600/-
C.	Central and State Public Sector Undertakings	₹ 24,000/-
D.	Private Companies, individuals, foreign nationals	₹ 36,000/-

The program fee **covers** training material, training kit, transport for any local field visit, and tea/coffee and working lunch during the program. It **does not cover** expenditure towards travel to NWA and return, airport/railway station pickup and drop, travel cost for any field visit that involves air/rail journey, and lodging & boarding, which are to be borne by the participants themselves.

For modalities in respect of payment of fee, please refer to our website or contact the Program Director. In case of participants from any country other than India, the program fee of ₹ 36,000/- (Indian rupees thirty six thousand only) will be accepted in Indian rupees only.

### **How to Participate**

The **nomination** may be sent in the prescribed '**Registration Form**' to the Program Director latest **by 20<sup>th</sup> Dec 2010**.

The nominated officers are requested to start for the program only after confirmation of their nomination. The accepted nominations will be displayed on NWA's website on **28<sup>th</sup> Dec 2010**.

### **Local Hospitality**

NWA has a self-contained residential campus with comfortable lodging and boarding facilities and other amenities. Details in this regard are available at our web site on the '*campus*' page. Participants are accommodated one-in-a-room (no sharing, single occupancy) basis. Out-station participants may like to avail this facility which is provided on first-come-first basis as per the availability. The lodging and boarding charges amount to approximately ₹ 250/- per person per day (Indian rupee two hundred fifty only per person per day) will have to be borne by the participants. Alternatively, the participants may make their own lodging and boarding arrangements.

Airport/Railway station pickup/drop will have to be arranged by the participants themselves.

### **Weather**

During the month of February the average temperature of Pune may be around 20°C varying from around 15°C to around 30°C, with occasional nominal rain.

### **Nearest International Airport**

The nearest international airport is Chhatrapati Shivaji International Airport at Mumbai which is approximately 250 kms from Pune. Mumbai-Pune is connected by air as well as by an expressway, and rail. Air-conditioned taxis, buses and trains ply at regular intervals.

After your travel to a port of arrival in India is confirmed, you may contact NWA helpdesk < nwa.mah@nic.in > for further guidance.

### **Program Director**

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

#### **Pradeep Kumar**

Director

National Water Academy, CWC,

Khadakwasla, Sinhagad Road,

Pune - 411 024

Tel: 020 - 24380528, Fax: 020-24380110

E-mail: nwa.mah@nic.in

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

**NATIONAL WATER ACADEMY, PUNE**

**Registration Form for Foreign Nationals**

**For office use only :**  
**Registration\_\_\_\_\_**

**Affix Photo**

1. I wish to enroll in the training program on **"Preparation of Detailed Project Report"** scheduled during 17-28 January 2011 at NWA, Pune, India.

**2. Personal Details**

Name : (Mr./Dr./Mrs./Ms.).....

*(Write in block letters as in your passport)*

Date, place and country of birth:.....

Age..... Gender: Female/Male

Country of Origin:..... Citizenship of :.....

Profession :.....

**3. Passport Details**

Passport No.:..... Place of issue:.....

Date of Issue:..... Date of Expiry:.....

The name of the Indian Mission abroad where visa will be applied .....

**4. Present Professional Employment**

Job Title:.....

Company/organization :.....

Department/Division:.....

Type of Organisation : Government/Semi-government/Private: .....

Duties and responsibilities :.....

Mailing Address:.....

Phone (with country and area code) : Office .....

Phone (with country and area code) : Residence .....  
Fax (with country and area code) :.....  
E-mail :.....

5. **Brief Professional Experience (on separate sheet):**.....

6. **Education Background:**

Degree/Diploma	Year	Institution	Field of Study

7. **English language proficiency:** (fair F; good G; excellent E)

Read F G E      write F G E      speak F G E      understand F G E

8. **What is the source of finance for your stay and other expenses in India during the course of stay?**

9. **Accommodation required in the Academy guest house: Yes / No.**

10. **Payment Information : Demand Draft No. : \_\_\_\_\_ dated : \_\_\_\_\_**

(Payment to be made in Indian Rupee Only. Demand Draft to be drawn on favour of "Deputy Director (A&C), National Water Academy, Pune" payable at Pune, India,)

11. **Likely plan of Arrival and Departure :**

12. **Name and address, Tel Number, Mobile Number, E-mail ID of a person who is to be contacted in case of an emergency:**.....  
.....

Date:

Signature of the participant

## Declaration

I hereby declare that the information furnished in the Registration Form is complete and accurate. I also agree that the Academy has the right to cancel my candidature, if it finds that any information provided therein is incorrect, incomplete, misleading, or ineligibility being noticed before or after the admission in the program (s)

I will abide by all rules and regulations as applicable in India to an International Trainee and not indulge in any activity other than the mandate of training.

A letter from sponsoring agency of my participation in the above program as required for nomination and support of travel cost will be furnished.

Date:

Signature of the participant

**Sponsoring Authority**  
(if applicable)

Mr/Ms ..... of .....  
(agency/organization) is hereby sponsored for attending the training program on Preparation of Detailed Project Report at National Water Academy, Central Water Commission, Khadakwasla, Sinhagad Road, Pune - 411 024

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

Tel Nos.(with are and country code) : \_\_\_\_\_

Fax No: \_\_\_\_\_ Mobile : \_\_\_\_\_  
(with are and country code)

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

Date

(Signature and Seal)