



भारत सरकार  
Government of India  
केन्द्रीय जल आयोग  
CENTRAL WATER COMMISSION  
प्रशिक्षण निदेशालय  
Training Directorate

No. 5/91/2017-Trg/7442-7642


Dt. 07.11.2017

विषय: 2 Days Training Course on "Embankment Dams –Investigations and Quality Control" at CSMRS, New Delhi during 07<sup>th</sup>-08<sup>th</sup> December, 2017- reg.

Please find enclosed herewith a copy of the letter/ brochure on the above subject. It is requested that nominations if any, may be forwarded to this office with the approval of the Concerned Member/ Chief Engineer (HRM) in respect of HRM Unit/ Chief Engineer, NWA, CWC, Pune in respect of NWA Unit positively by 20.11.2017. A copy of the Bio data of the nominated officers may also be enclosed along with the nominations indicating the number of events so far attended by them.

It is for information that nominations received after the stipulated date will not be considered and also nominations once approved by Chairman, CWC, will not be allowed to be withdrawn.

संलग्नक : यथोक्त

  
(रमेश कुमार)  
निदेशक (प्रशिक्षण)

1. PPS to Chairman, CWC, New Delhi.
2. PPS to Member D&R/RM/WP&P, CWC, New Delhi.
3. All Chief Engineers, Central Water Commission.
4. Director, D&RC, RMCD, WP&PC CWC, New Delhi.
5. Secretary/ Director (TC), CWC, New Delhi.
6. All Directors/ Superintending Engineers, Central Water Commission.
7. J.E.(Trg), CWC, New Delhi to upload this circular on CWC website [www.cwc.nic.in/intranet](http://www.cwc.nic.in/intranet) portal.

**COORDINATOR**

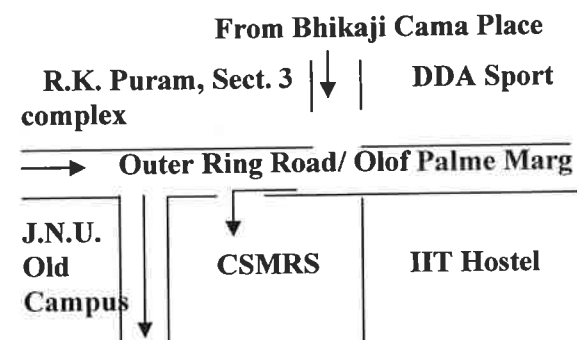
Dr. N. P. Honkandavar, Scientist 'E'  
Mahabir Dixit, Scientist 'E'

**ADDRESS FOR CORRESPONDENCE**

Mahabir Dixit, Scientist 'E'  
Central Soil and Materials Research Station,  
Olof Palme Marg, Near IIT Hostels,  
Hauz Khas, New Delhi - 110 016  
Land line 011-26581368  
Fax: 91-11-26853108  
Mobile: 09871747490  
E-mail: [mdixit@nic.in](mailto:mdixit@nic.in),

**FOR FURTHER DETAILS, CONTACT****Director,**

Central Soil and Materials Research Station,  
Olof Palme Marg, Near IIT Hostels,  
Hauz Khas, New Delhi-110016  
Telephone: 011-26967985, 26961894  
Email: [director-csmrs@nic.in](mailto:director-csmrs@nic.in)  
Web: [www.csmrs.gov.in](http://www.csmrs.gov.in)

**LOCATION MAP OF CSMRS****NOMINATIONS**

Nominations are invited from designers, field engineers/ researchers/ scientists/ academicians directly or indirectly involved or likely to be involved in design/ construction/ quality control/ assurance/dam safety of river valley projects and manufacturers of the materials/equipment used or likely to be used in such type of structures. The course will provide a forum for exchanging/sharing ideas and experiences. The nominations of the participants along with their address, mobile number and e-mail ID may be sent for enrollment to course coordinator before 1<sup>st</sup> December 2017.

**ACCOMMODATION**

Limited accommodation facility is available in Participants may avail the CSMRS hostel facilities located within the CSMRS campus. Meals are also available on payment basis in the hostel. For trainees, special rate of room is 250/- per day per participants on twin sharing basis. Request may be forwarded to the coordinator by 1<sup>st</sup> December 2017. However, the payment for booking the hostel accommodation can be made while checking in.

**Information Bulletin****2 days Training Course**

On

**"EMBANKMENT DAMS – INVESTIGATIONS  
AND QUALITY CONTROL"**

7<sup>th</sup> & 8<sup>th</sup> December, 2017

Venue

CSMRS, New Delhi

Organized by



Central Soil and Materials Research Station  
(CSMRS)

Olof Palme Marg, Hauz Khas, New Delhi-  
110016

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AD-II

## INTRODUCTION

Embankment dams are more popular as compared to rigid dams as they allow use of the locally available soils of different gradations in the appropriate zones of the dams. The design and construction of earth dams are complex but flexible for varying foundation conditions. Detailed investigations are essential for studying behaviour of borrow area material as well as foundation soil. Quality control/ Quality assurance of embankment dams ensure adoption of standard construction methods. Insufficient geotechnical investigations and poor quality control may contribute to the inappropriate design, costly construction, modifications, post construction remedial work and even failure of structures.

The training course on "Embankment Dams – Investigations and Quality Control" is being organized by Central Soil and Materials Research Station (CSMRS) to train and assist practicing engineers and technical persons involved in various hydroelectric projects to gain latest knowledge of Geotechnical Engineering for hydroelectric projects.

The faculty for this training course will be drawn from CSMRS and other leading organizations to share their experiences and expertise in the field of investigations and quality control of embankment dams. The content of training course will cover various aspect of field and laboratory investigations, quality control, stability analysis, instrumentations, and design/construction etc

## VENUE AND DATES

The course will be held at Central Soil and Materials Research Station (CSMRS), New Delhi on 7<sup>th</sup> & 8<sup>th</sup> December, 2017 from 9:30 to 17:30 hrs. daily.

## SHARING OF EXPERIENCE

The participants will be introduced to the subject through lectures and demonstration with regard to Geotechnical Engineering. The course will be interactive in nature rather than descriptive in nature.

## COURSE FEE

Course fee of Rs 5000/- shall be charged per person for the training course. The fee shall be paid through either through Cheque/Demand Draft in favour of "PAO, CSMRS" payable at New Delhi or through E-payment in Challan Account, PAO, CSMRS, State Bank of India, R.K. Puram, New Delhi (IFSC Code SBIN0001076, Account No 10933100681, MICR code:110002106).

## WHO SHOULD ATTEND

The course is meant for officers of the rank of Deputy Director/Executive Engineer/ Assistant Engineers/Researchers etc. from Central/State Government Departments, Research Institutions, Public and Private sector undertakings engaged in design, construction, and rehabilitation and monitoring of river valley projects.

Registration Form

Training Course on

## "EMBANKMENT DAMS – INVESTIGATIONS AND QUALITY CONTROL"

7<sup>th</sup> & 8<sup>th</sup> December, 2017

One form to be filled per delegate, photocopy of this form may be used for additional copies requirement

Name: .....

Designation: .....

Organization: .....

Address for Communication: .....

.....

Phone: .....

Fax: .....

Educational Background: .....

Age: .....

Accommodation required: Yes/No

I am enclosing a crossed demand draft no. ....  
Dated. for Rs. 5000/-or making E payment vide dated ..... drawn in favour of 'PAO, CSMRS, New Delhi' payable at New Delhi towards registration fee.

Date

Signature