



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

संख्या 5/05/2018- प्रशिक्षण/६०५-६५०

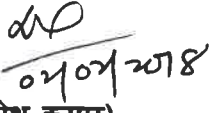
दिनांक ०२ फरवरी, 2018

**विषय: 2 days training course on "Construction and Quality Control for Concrete hydraulic structures" at CSMRS New Delhi during 15-16 Feb, 2018-reg.**

कृपया उपरोक्त विषय से संबंधित पत्र/विवरणिका की प्रति संलग्न पायें। अनुरोध है कि यदि कोई नामांकन हो तो दिनांक **07/02/2018** तक निश्चित रूप से सदस्य/मुख्य अभियन्ता, मा.सं. प्र.(मा. सं. प्र. से संबंधित.)/ मुख्य अभियन्ता रा. ज. अ. (रा. ज. अ. से संबंधित) अनुमोदन के पश्चात भेजने की कृपा करें। साथ में नामित अधिकारियों के जीवन वृत्त भी संलग्न करें, जिसमें उनके द्वारा अब तक के सेवा काल के दौरान भाग लिए गए विभिन्न कार्यक्रमों का ब्यौरा दर्शाया गया हो।

यह भी सूचित किया जाता है कि नामित अधिकारी के नामांकन दर्शाई गई तिथि के उपरान्त प्राप्त होने पर विचार नहीं किया जाएगा साथ ही अध्यक्ष की स्वीकृत होने के पश्चात नाम वापस लेने की अनुमति नहीं दी जाएगी।

**सलग्नक :- यथावत**

  
(रमेश कुमार)  
निदेशक (प्रशिक्षण)

1. अध्यक्ष केन्द्रीय जल आयोग के निजी सचिव, नई दिल्ली।
2. सदस्य जल आयोजन एवं परियोजन / अभिकल्प एवं अनुसंधान / नदी प्रबंध के निजी सचिव, केन्द्रीय जल आयोग, नई दिल्ली
3. सभी मुख्य अभियंता केन्द्रीय जल आयोग
4. निदेशक समन्वय, आयोजन एवं परियोजन / अभिकल्प एवं अनुसंधान / नदी प्रबंध के निजी सचिव केन्द्रीय जल आयोग, नई दिल्ली
5. सचिव/निदेशक (तकनीकी समन्वय) केन्द्रीय जल आयोग, नई दिल्ली
6. सभी निदेशक/ अधीक्षण अभियंता, केन्द्रीय जल आयोग, नई दिल्ली
7. कनिष्ठ अभियंता, प्रशिक्षण निदेशालय, कृपया परिपत्र को केन्द्रीय जल आयोग के वेब साइट पर अपलोड करें



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No. 5/05/2018-Trg/605-750


Dated 2<sup>nd</sup> February, 2018.

**Sub: - Training Course on "Construction and Quality Control for Concrete hydraulic structures" at CSRMS, New Delhi during 15<sup>th</sup> & 16<sup>th</sup> February, 2018.-reg.**

Please find enclosed herewith a copy of the letter/ brochure on the above subject. It is requested that nomination 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 07.02.2018**. 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 nomination received after the stipulated date will not be considered and also nominations once approved by Chairman, CWC, will not be allowed to be withdrawn.

**Encl:-As above.**

  
(Ramesh Kumar)  
Director (Training)

1. PPS to Chairman, CWC, New Delhi.
2. PPS to Member D&R/RM/WP&P, CWC, New Delhi.
3. All Chief Engineer, 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.

### Contact details

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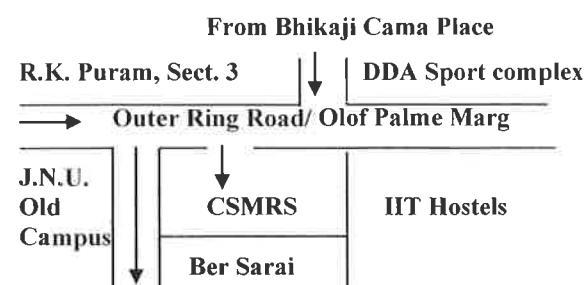
Central Soil & Materials Research Station,  
Olof Palme Marg, Near IIT Hostels,  
Hauz Khas, New Delhi - 110 016  
Fax: 91 11 2685 3108

Web: www.csmrs.gov.in

### For further details, contact

Director,  
Central Soil & Materials Research Station,  
Olof Palme Marg, Near IIT Hostels,  
Hauz Khas, New Delhi - 110 016  
Telephone: 011- 26967985, 26961894  
Fax: 91 11 2685 3108  
E-mail: director-csmrs@nic.in

### Location Map of CSMRS



### Course Fee

Course fee of ₹ 5000/- per participant shall be charged. The fee shall be paid through A/c payee Bank Draft drawn in favour of "PAO, CSMRS" payable at New Delhi / through E- payment in Account PAO, CSMRS, State Bank of India, R.K Puram, New Delhi (IFSC code: SBIN0001076, Account No 10933100681, MICR code 110002106).

### Accommodation

Limited accommodation facility is available in CSMRS hostel. For trainees, the special rate for room is Rs.250/- per head per day on twin sharing basis. Meals are also available on payment basis in the hostel. Request for accommodation may be forwarded to the coordinator by 9<sup>th</sup> February, 2018. However, the payment for staying in hostel can be made at the time of check in.

The training shall be inaugurated at 1000 Hrs. on 15<sup>th</sup> February, 2018 and shall conclude by 1730 Hrs. on 16<sup>th</sup> February, 2018.

### 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/ equipments used or likely to be used in such type of structures. The course will provide a forum for exchanging/ sharing ideas and field experiences. The nominations of the participants along with their address, mobile number and e-mail ID may be sent for enrolment to course coordinator before 9<sup>th</sup> February, 2018.

### सूचना पत्रिका Information Bulletin

2 days Training Course  
On

कंक्रीट जलीय संरचनाओं का निर्माण और  
गुणवत्ता नियंत्रण

Construction and Quality Control for  
Concrete hydraulic structures

15<sup>th</sup> & 16<sup>th</sup> February, 2018

Venue  
CSMRS, New Delhi

Organized by



AN ISO 9001:2008 Certified Organisation

केन्द्रीय मृदा एवं सामग्री अनुसंधानशाला

हौज खास, नई दिल्ली - 110016

Central Soil and Materials Research Station  
Hauz Khas, New Delhi - 110016

### Introduction

The construction and quality control of concrete dam or appurtenant structures play an important role in the successful functioning of any Hydro-electric project or Irrigation system. Quality control encompasses all activities such as batching, checking concrete mixes, and conducting laboratory tests, inspections, placing and finishing to ensure that the product will meet or exceed QA specifications. Accurate QC data and adequately trained and certified QC personnel can help take well-informed decisions. It is essential for any construction engineer to understand the different factors involved in affecting the integrity and durability of the structure. If QC factors are taken care of during the design, pre-construction and construction stages itself, the safety of the structure can be ensured to a great extent and result in successful functioning of the structure over its designed life.

Keeping this in view and to provide a forum for exchange of views, this training course has been planned to impart training to engineers, professionals, researchers and academicians involved directly or indirectly in the design, quality control and maintenance of concrete structures.

### Course Content

The contents of the training course include:

- Distress in concrete structures and its rehabilitation measures
- Instrumentation of dams and monitoring
- Safety evaluation of dams
- Quality Control aspects of concrete structures
- Repair Materials and Techniques
- Laboratory Demonstrations

### Course Faculty

Eminent practising experts involved in design/ execution/ rehabilitation or quality control/ assurance of the Hydro Power projects will be sharing their knowledge and experiences with the participants that the designers and field engineers can negotiate well with different situations in the field. The faculty will be drawn from:

- Central Soil and Materials Research Station,
- Indian Institute of Technology, Delhi (IITD),
- Central Water Commission, Delhi,
- Experienced consultants from PSUs/ private organizations.

### Venue and Dates

Venue of the training course will be Central Soil and Materials Research Station, New Delhi. The training course will be inaugurated **at 10:00 AM on 15<sup>th</sup> February 2018**. The timings are 10:00 to 17:30 Hrs on 15<sup>th</sup> and 16<sup>th</sup> February, 2018 (Thursday to Friday).

### Sharing of Experiences

The participants will be introduced to the vision of the faculty members of CSMRS and other experts from outside as well as well equipped laboratories of the Research Station and shall be encouraged to share their experience/ problems, thereby making the course more interactive rather than descriptive in nature.

### Who Should Attend

The course is primarily meant for officers of the rank of Deputy Director/ Executive Engineer/ Assistant Engineer/ Junior Engineer etc. from Central/State Government Departments, Research Institutions, Public and Private Sector Undertakings engaged in design, construction, quality control and rehabilitation of Hydro Power Projects.

### Registration Form Training Course on

### Construction and Quality Control for Concrete hydraulic structures

**15<sup>th</sup> & 16<sup>th</sup> February, 2018**

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

Name:-----

Designation:-----

Organization:-----

Address for Communication -----

Phone:-----

E-mail:-----

Fax:-----

Educational Background:-----

Age: -----

Accommodation required: Yes/No

The required boarding/ lodging charges shall be deposited at reception of CSMRS Hostel in cash at the time of check out.

Date:

Signature