



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

संख्या: 05/89/2017-प्रशि./6633-6778

दिनांक 11/10/2017


परिपत्र

विषय: Training course on "Durability of Concrete under Aggressive Chemical Environment" during 2nd and 3rd November-2017 held at CSMRS, New Delhi -reg.

Please find enclosed herewith a copy of the letter/ brochure on the above subject. It is requested that suitable nominations if any, may be forwarded to this office with the approval of the Concerned Member/ Chief Engineer (HRM) in respect of HRM/ Chief Engineer, NWA, CWC, Pune in respect of NWA Unit positively by **24/10/2017**. 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stipulated date will not be considered and also nominations once approved by Chairman, CWC, will not be allowed to be withdrawn.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


10.10.2017
(रमेश कुमार)

निदेशक (प्रशिक्षण)

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

Address for Correspondence:**Coordinator:**

Smt Beena Anand Scientist C

Training Course on "Durability of Concrete under Aggressive Chemical Environment"
Central Soil & Materials Research Station,
Olof Palme Marg, Near IIT Hostels,
Hauz Khas, New Delhi-110016

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For further details, please contact

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

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Fax: 011-26853108

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CSMRS Location Map**Target Group**

The course is primarily meant for the officers of the rank of Dy. Manager/Assistant Engineer or equivalent from Central/ State Government Departments, Research Institutions, Public and Private Sector Undertakings engaged in construction materials survey, quality control/assurance, design, construction and monitoring of dams.

Course fee

Course fee amounting to Rs.5000/-per participant shall be charged. The fee shall be paid through A/c payee Cheque/Bank Draft drawn 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)

The number of participants is **limited to 25** on first come first served basis.

Accommodation:

Participants may avail the CSMRS hostel facilities. CSMRS hostel is located within the CSMRS campus and has single/double bed rooms. Meals are also available on payment in the hostel. For trainees, the special rate for room is Rs.150/- per head per day on twin sharing basis. Request may be forwarded to the coordinator. However, the payment for booking can be made while checking in. The room shall be allotted on first come first served basis

**Information Bulletin****Training Course**

On

**Durability of Concrete under
Aggressive Chemical Environment
2-3 November 2017**

Organized by

**Central Soil and Materials Research Station
New Delhi-110016**

Announcement

Water plays a very crucial role in concrete from the very initial stage of making of concrete to its entire life span. Structural deterioration of several concrete components due to the usage of improper quality of water both in construction works as well as for curing purposes are observed worldwide. Failure of many structural members is also reported due to constant contact of contaminated water with the concrete structures.

In the Himalayan belt many water resources projects are proposed or under consideration. Geological surprises in this region are a known fact. In the last decade, numerous concrete dams had to face adverse environmental conditions by way of hot water, thermal-springs, acidic water, sulphatic water etc. Each one of these problems has posed a challenge to concrete professionals. A lot of money is spent every year on the repairs/ rehabilitation/ restoration of the concrete structures due to various reasons.

Therefore, it is the need of the hour that the problem of durability of concrete should be tackled in a holistic manner. Innovative remedial measures specifically suited for a particular problem need to be evolved. Before arriving at any specific remedial measure, there is a need to define the problem using methods specified in various National and International Codes and Practices. Central Soil & Materials Research Station has gained experience in this area over the last two decades in not only appropriate characterization of the problem, but also in arriving at suitable remedial measures.

CSMRS, New Delhi is conducting a two days course **Durability of Concrete under Aggressive Chemical Environment** on 2-3 November 2017 on its premises. The objective of this course is to impart training to the participating professional on the aspects of Water Quality and its Effect on Durability of Concrete with specific reference to water resources projects

Focus Area

The course is intended to cover the following topics with specific reference to water resources sector:

- Durability of concrete under aggressive environment
- Role of mineral admixtures in concrete
- Alkali-silica reaction
- Remedial measures
- Laboratory visit

Course Faculty

Eminent practicing experts involved in design/ execution/ quality control/ assurance of the hydro-electric projects are likely to share their experiences and knowledge with the participants so as to enable better appreciation in respect of construction materials investigations and quality control works etc.

The participants shall have the benefit of faculty members of CSMRS and experts from outside and shall be encouraged to share their experience/ problems, thereby making the course interactive. They will be taken around different laboratories and other testing facilities of the research station.

Venue and Dates

Course shall be held at CSMRS, adjacent to IIT Hostels Olof Palme Marg, Hauz Khas, New Delhi-110016 from 2-3 November 2017.

Registration Form For

Durability of Concrete under Aggressive Chemical Environment 2-3 November 2017

Separate form is to be filled by each delegate: photocopy of this form may be used.

Name:-----
Designation:-----
Organization:-----
Address for Communication _____

Phone:-----E- mail:-----

Fax:-----

Educational Background:

Age:

Accommodation required: Yes/No

I am enclosing a crossed DD No. _____
Dated _____

for Rs. **5,000.00/-** drawn in favour of Pay and Accounts Officer, CSMRS, New Delhi payable at New Delhi towards registration fee, or

I have sent an amount of Rs. **5,000.00/-** through E-payment in Challan Account PAO, CSMRS, State Bank of India, R.K.Puram, New Delhi (IFSCCode:SBIN0001076, Account No. 10933100681, MICR code :110002106) towards registration fee vide transaction ref. No.: _____.

Date:

Signature