

CSIR DIAMOND JUBILEE CELEBRATIONS

**One Day Workshop
on
ADVANCES IN CORROSION IN
CONCRETE STRUCTURES – SCIENCE,
PREVENTION AND REPAIR**

**at
CSIR-CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI
on
24 April, 2017**

Information Brochure



Organized by



**CSIR-CENTRAL ROAD RESEARCH INSTITUTE
NEW DELHI**

PREAMBLE

Corrosion of metals is a perennial problem and India loses about Rs. 2 Lash Crores per annum due to corrosion of infrastructure, industrial equipment and other vital installations. Corrosion of steel is identified as a major cause of deterioration of reinforced concrete structures such as bridges, buildings etc., resulting in loss of integrity and reduced service life. An estimate by MORTH pegs the losses at about Rs. 36,000 crores per annum due to corrosion in India. The subject has been in wide study for many decades all over the world. Many practices are in vogue to control the steel corrosion in concrete, such as use of new reinforcement materials, adoption of improved construction methodologies, use of different materials, cathodic protection technique for repair corrosion affected concrete structures, etc. IS: 456-2000, IRC: SP-80-2010, and IRC: 112-2011 have suggested various methods to be followed / materials to be used during construction to control the steel reinforcement corrosion in concrete structures.

To create awareness about corrosion, 24th of April is designated as Corrosion Awareness Day by The World Corrosion Organisation. This workshop aims to disseminate and discuss current knowledge in the field of steel corrosion in concrete structures, its delay / prevention and repair methodologies, and field studies.

THEMES OF WORKSHOP

- Corrosion of steel reinforcement in Concrete
- Codal provisions / specifications
- Current construction practices
- Repair materials & methodologies
- Field Studies (Investigation and Repair)

REGISTRATION

The intending participants can register by filling and mailing the attached registration form along with registration fee to be paid online. The intending participants can also register themselves through e-mail/ post to Dr. V.V.L. Kanta Rao, Senior Principal Scientist, BES Division, and Organising Secretary along with proof of online payment. The registration fee is as follows:

Delegates	Rs.2,000*
Students	Rs. 500*

SPONSORSHIP

Organisations involved in manufacturing of equipments / sensors, etc, consultancy and / or related to repair of concrete structures are invited to sponsor this important workshop. The logo and details of the sponsors will be duly acknowledged and displayed at the workshop venue and in final brochure to become a part of Workshop Proceedings. The details of sponsorship category, sponsorship fee, and entitlement of number of free delegates are as follows:

Category	Sponsorship Fee	Free Delegates
Diamond	Rs.75,000*	4
Gold	Rs. 50,000*	3
Silver	Rs.25,000*	2

TECHNICAL EXHIBITION

An exhibition of new products and equipment is envisaged at the Workshop venue covering the current developments in all aspects of the corrosion investigation and repair. Interested firms may install stalls (3 x 2 m) to display their products and equipments @ Rs. 15,000* (No presentation time)

* inclusive of service tax

Interested firms may also sponsor morning tea (after inaugural session), lunch, afternoon tea or evening high tea (after concluding session).

ABOUT CSIR-CENTRAL ROAD RESEARCH INSTITUTE

CSIR-Central Road Research Institute (CSIR-CRRI) is a premier Institute, under Council of Scientific and Industrial Research (CSIR), actively engaged in research activities pertaining to Bridges and Structures, Pavements, Geo-technical Engineering, Traffic and Transportation, and Environmental Sciences.

The Bridge Engineering and Structures (BES) Division of CSIR-CRRI has been involved in research related to durability of concrete structures, use of new materials in concrete, design of bridges, testing of elastomeric bearings and expansion joints and, quality control during construction, non-destructive testing and load testing of bridges all over India. The division had carried out research study on relative performance of protective coatings on steel reinforcement, protective coatings on concrete members and sacrificial anode based cathodic protection of corrosion affected concrete members. The Scientists of the BES Division have contributed significantly for the development of many BIS and IRC specifications.

Chief Guest

Er. Nalinikant Pradhan
Engineer-in-Chief cum Secretary
Govt. of Odisha
and
President, Indian Roads Congress

Guest of Honour

Er. R.K. Pandey
Member (Technical)
National Highways Authority of India (NHAI)

ORGANISING COMMITTEE

Prof. Satish Chandra
Chairman & Director, CSIR-CRRI

Dr. V.V.L. Kanta Rao
Organising Secretary & Senior Principal Scientist,
CSIR-CRRI, New Delhi

Prof. B. Bhattacharjee, IIT Delhi, New Delhi

Prof. Radhakrishna G Pillai, IIT, Madras, Chennai

Prof. Santosh Kapuria, Director, CSIR-SERC

Dr. N. Gopalakrishnan, Director, CSIR-CBRI

Mr. S.S. Gaharwar, HOD (BES), CSIR-CRRI, New Delhi

Dr. Lakshmy, P, CSIR-CRRI, New Delhi

Dr. Rajeev Garg, CSIR-CRRI, New Delhi

Dr. Rajeev Goel, CSIR-CRRI, New Delhi
& Vice-President (North), Indian Concrete
Institute

Mr. G.K. Sahu, CSIR-CRRI, New Delhi

Mr. A.K. Dhal, CSIR-CRRI, New Delhi

Mr. G. Durgaprasad, CSIR-CRRI, New
Delhi

ADDRESS FOR COMMUNICATION

Dr. V.V.L. Kanta Rao

Organising Secretary &
Senior Principal Scientist
Bridge Engineering and Structures Division
CSIR-Central Road Research Institute
Mathura Road, New Delhi - 110025

Mobile: +91-9899059885

Fax: 011-26845943

Email: vvlkrao.crri@gov.in or vvlkrao.crri@gmail.com

REGISTRATION FORM

**One day Workshop on Advances in Corrosion in Concrete Structures –
Science, Prevention and Repair**

at

CSIR-Central Road Research Institute, New Delhi

on

24th April, 2017

1. Name: _____

2. Designation: _____

3. Organisation: _____

Ph: _____

Mobile: _____

Fax: _____

Email: _____

4. Wish to Sponsor : Yes/No

If Yes, give details on separate sheet

5. Payment Particulars:

Payment may be made online through ECS/NEFT/RTGS in saving A/c No. 30268867237 of 'Director, Central Road Research Institute, New Delhi' with State Bank of India, branch CRR (IFSC Code SBIN0010442), New Delhi. Receipt/proof of online payment is to be attached.

Date: _____

Signature: _____