



Centre for Continuing Education Services

25488-7

National Council for Cement and Building Materials

(Under Administrative control of Ministry of Commerce and Industry, Govt. of India)
NCB Bhavan, Old Bombay Road, Hyderabad – 500 008 (A.P.) INDIA
(ISO 9001 : 2008 Certified)

Phone : +91-40-23180439, 23180403, 23180400
Fax : 040-23000343 E-mail : hyd2_ncbhrc@bsnl.in

The Principal Secretary
Public Works Department
South Fordwitech Block
Thiruvananthapuram 695 001 Kerala

STC-23/ H /2012
01-10-2012

CALL FOR NOMINATIONS

Dear Sir

3-Day Non Residential Training Programme

'CORROSION IN RCC STRUCTURES: PREVENTION, REPAIR AND REHABILITATION'
20-22 NOVEMBER 2012 at NCB-Hyderabad

-0-

Corrosion of reinforcement has been established as the predominant factor causing widespread premature deterioration of concrete construction worldwide, especially of the structures located in the coastal marine environment. The most important causes of the corrosion initiation of reinforcing steel are the ingress of chloride ions and carbon dioxide to the steel surface. After initiation of the corrosion process, the corrosion products (iron oxides and hydroxides) are usually deposited in the restricted space in the concrete around steel setting up expansive stresses, which crack and spall the concrete cover resulting in progressive deterioration of the concrete. Despite implementation of good construction design and procedures, adequate concrete cover depth, corrosion-inhibiting admixture, and low-permeability concrete, failures in the structures do still occur as a result of premature reinforcement corrosion. The maintenance and repair of bridges, buildings and other structures for their safety and durability requires effective inspection and monitoring techniques for assessing the reinforcement corrosion before it becomes serious. For effective implementation and to obtain proper results, thorough knowledge of repair materials/ techniques, skilled manpower and experienced interpretation is required. Keeping these in view and to provide a forum for exchange of views, NCB is organizing a 3-Day training programme on "Corrosion in RCC Structures: Prevention, Repair and Rehabilitation" from 20 to 22 November 2012 at NCB-Hyderabad.

Experienced Technologists from Construction Industry and NCB are taking part in the technical deliberations and case studies presentation. A copy containing details of programme is enclosed for your perusal. We are hopeful that you will find the programme useful and like to avail the benefit by the participation of officials from your organisation. The nominations may be sent by returning the filled in enrolment forms at the earliest. Looking forward to the pleasure of receiving large participation from your end.

Thanking you

Yours faithfully

for National Council for Cement and Building Materials

Kalyani

K V Kalyani
Joint Director

CORROSION IN RCC STRUCTURES: PREVENTION, REPAIR AND REHABILITATION

Course Reference

STC-23 /Conc/H/2012

Intended For

The training programme is of interest and value to Civil Construction/ Structural Engineers, Resident Engineers, Architects, Consultants, Maintenance Engineers, Design Engineers, Site Supervisors, QA/QC Personnel, Facility Engineers, Clerk-of-Works & Testing personnel.

Objective

The course aims at equipping the participants with required "know-how" on corrosion in reinforced concrete structures and techniques for corrosion protection and repair of corrosion damaged structures.

Course Contents

- Good construction practices for durable concrete structures
- Mechanism of corrosion of reinforcement in concrete
- Monitoring and assessment of corrosion
- Repair materials and repair of corrosion damaged structure
- Cracks due to corrosion and treatment
- Modern techniques for corrosion protection
- Protective coatings for R. C. Structures
- Electrochemical corrosion mitigation technologies for rebars in R.C. Structures
- Technical visit and case studies

Duration

3 days (Tuesday 20 to Thursday 22 November 2012)

Course Fee (Non residential)

Rs.10,000/- (Ten thousand only) per participant + **Service Tax 12.36%**
(Total fee Rs 11,236/-) per participant.

Discount on Course fee:

A discount of 10% and 15% in course fee will be extended if an organization nominates 3-4 and 5 or more participants respectively for the course.

(To be remitted by Demand Draft favouring National Council for Cement and Building Materials payable at Hyderabad.)

Venue & Communication Address

National Council for Cement and Building Materials
NCB Bhawan, Old Bombay Road,
Near New Raidurg Police Station

Hyderabad-500 008, Andhra Pradesh, INDIA

Tel : +91-40 -2318 0439, 2318 0415 and 2318 0400,

Mobile: 96035 64549

Fax : +91-40- 2300 0343, 23006739

Email : hyd2_ncbhrc@bsnl.in, cceh@ncbindia.com



National Council for Cement and Building Materials
Hyderabad

NOMINATION FORM

for participation in NCB training programme on
CORROSION IN RCC STRUCTURES: PREVENTION, REPAIR AND REHABILITATION

Course Ref : STC-23 / H / 2010 (From 20 to 22 November 2012) Venue : NCB-HYDERABAD

TO BE FILLED IN BY THE NOMINEE

Name of Nominee
(in Block Letters)

Qualifications

Position / Designation

Organisation

& Address

.....

.....

..... PIN

--	--	--	--	--	--

Tel / Cell Fax E-mail

Signature of the Nominee

TO BE FILLED IN BY THE SPONSOR

Name of Sponsoring Official

& Designation

Address

.....

..... PIN

--	--	--	--	--	--

Tel/Cell Fax E-mail

DD / Cheque No. Dated for Rs.

Date :

Signature of the Sponsor
with stamp of organisation