Call for Registration and Participation

QUALITY ASSURANCE, HEALTH ASSESSMENT AND REHABILITATION OF BRIDGES

Online Training
28-30 October 2020

Organised by:

CSIR-CENTRAL ROAD RESEARCH INSTITUTE
(Council of Scientific and Industrial Research)

सीएसआईआर-केंद्रीय सड़क अनुसंधान संस्थान

DELHI – MATHURA ROAD, NEW DELHI – 110025, INDIA
BACKGROUND:
Properly designed bridges during their design life period may suffer from various distresses on account of poor construction practices, overloading, inadequate maintenance, adverse service environment and occurrence of Force majeure events like flood, earthquake, etc. The observed distresses cause significant weakening of bridges and thus adversely affecting their performance. Under this scenario, the subject course is designed to cover the topics related to quality assurance, structural condition assessment using NDT and other instrumentation techniques, rehabilitation and management system of bridges. The course is useful for preparing and implementing the Quality Assurance Plan (QAP) and developing SOP for rehabilitation and maintenance management of bridge infrastructure in the country. Various stakeholders including academicians, researchers, field engineers, consultants and contractors can get benefited by the subject course through active participation.

ONLINE FORMAT:
The lectures will be taught over a three day period with live on-line forenoon sessions. Upon the completion of the training program, participants will be awarded a participation certificate verifying their successful completion of the course. Learning material will also be provided after the live event.

COURSE CONTENTS:
The course is designed to impart specialized training in the techniques of performance monitoring of bridges, condition assessment of bridges, repair and rehabilitation of distressed bridges and the bridge management system to the policy makers and the practicing civil engineers. The course is useful for planning, maintenance and up keep of bridge infrastructure in the country through judicious allocation of funds for various activities in the bridge management system. It is also intended to make the participants fully aware of the entire spectra of know – how regarding repair and rehabilitation of bridges.

This training on Quality Assurance, Health Assessment and Rehabilitation of Bridge will include:

- Inspection and Inventory of bridges using MBIU
- Non-destructive testing of bridges
- Health monitoring of bridges using instrumentation
- Signature analysis of bridges using vibration monitoring
- Load testing and rating of bridges
Rehabilitation of bridges and their appurtenances including bearings and expansion joints
Bridge management system

TARGET AUDIENCE:

✓ Highway Engineers from Central / State PWD's
✓ Public & Private Undertakings connected with road construction sector
✓ R&D Personnel, faculty from engineering college/Universities/IIT’s/Consultant/Supervisory agencies
✓ Engineers of Municipal Corporations and Town Planning Organisations
✓ Engineers from Border Roads Organization
✓ Highway engineers from Military Engineering Services
✓ Students from engineering colleges and institutes
✓ Equipment manufacturers
✓ Contractors

HOW TO APPLY:

Weblink: https://www.crridom.gov.in/training-events
Nomination: Fill the Nomination Proforma with payment details and send through mail.

SYSTEM REQUIREMENTS FOR ONLINE TRAINING LIVE EVENT:

Supported Operating Systems: Windows 7 and later (32-bit and 64-bit), Macros X 10.10 and later
Supported mobile operating systems: Android 4.4 and later, iOS 10 and later
Supported web browsers: Chrome (last 3 versions), Edge RS2 and later, Firefox (last 3 versions), Internet Explorer 11, Safari

COURSE FEE:
The training fee for online training is ₹5,000/- + 18% GST for Indian participant, 75 USD + 18% GST for SAARC Countries and 100USD + 18% GST for other Countries.
All payments are to be made in advance through e-transfer to the bank account details given below. This includes training registration fee and the study material to be provided after the completion of online training.

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<td>Branch Address</td>
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ABOUT CRRI:
The Central Road Research Institute, New Delhi, established in 1952 as a constituent laboratory of CSIR, is engaged in research and development work on roads, bridges and transportation engineering and related areas. The Institute provides technical support to large number of users organisations in the country.

One of the priority areas of the activities of CRRI has been to disseminate R&D results and innovations to the in-service engineers and other professionals in the field of highway engineering through a number of customized & regular training programmes. Over the years, more than 27,000 engineers have availed the training facilities. In the current COVID 19 pandemic condition, CRRI is organising online and few regular training programmes of varying duration to suit the requirements of different levels of engineers. Targeted participants to these training programmes will be from MoRTH, PWD, CPWD, BRO, Public Sector Undertakings, Town Planning, Traffic Engineering Agencies, Commercial Units, Traffic Police Department, Private Consultants and Individuals.

SPECIAL PROGRAMME:
Besides online regular training programmes, online customized training programmes are also being organized on request to cater the needs of user organizations.

FOR MORE INFORMATION CONTACT:

Course Organizer:  
Dr. Neelam J Gupta  
Senior Principal Scientist and Head  
Information, Liaison & Training Division  
CSIR - Central Road Research Institute  
Delhi - Mathura Road, P.O.- CRRI  
New Delhi – 110025  
Telephone : 011 + 26921939 (O), 9868676881 (M)  
EPABX : 011 + 26832173, 26832427, 26832325  
: Ext. 514  
Email : headilt.crri@gmail.com; headilt.crri@nic.in;  
Website : http://www.crridom.gov.in/training-events

Course Coordinator:  
Sh. G. K. Sahu  
Senior Principal Scientist  
Bridge Engineering and Structures Division  
Tele: 09717829201 (M)  
E-mail: gksahu1865@gmail.com