



A Five Day Training Programme

on

**QUALITY ASSURANCE, HEALTH ASSESSMENT
AND REHABILITATION OF BRIDGE**

18-11-2024 to 22-11-2024

Call for Registration and Participation

Training Organizer:

Dr. Ravindra Kumar

Chief Scientist & Head
(Information Liaison and Training)

Training Coordinator:

Sh. G.K. Sahu

Chief Scientist (Bridge
Engineering and Structures)

Organised by:



**सीएसआईआर-के द्रीय सड़क अनुसंधान संस्थान
CSIR-CENTRAL ROAD RESEARCH INSTITUTE
(Council of Scientific and Industrial Research)
DELHI - MATHURA ROAD, NEW DELHI - 110025, INDIA**

CSIR-CRRI TRAINING PROGRAMME ON QUALITY ASSURANCE, HEALTH ASSESSMENT AND REHABILITATION OF BRIDGE

DURATION : 18-22 Nov. 2024 (05 days)

OBJECTIVES:

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 thus adversely affecting their performance. Under this scenario, the subject training 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 training 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 training through active participation.

TRAINING CONTENTS:

The training 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 Training 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:

Elements of quality assurance system

- 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

FACULTY:

The Institute has got highly qualified & experienced faculties to impart training on each specific area.

ELIGIBILITY CRITERION:

Qualification: Diploma/ Degree in Civil Engg.

Level : Junior Engineer / Asst. Engineer & above.

Experience : Desirable three years of field / working experience

HOW TO APPLY:

Application for nomination to a programme should be made in the prescribed application form given on our website. A separate application form should be used for each training programme. Nominations may also be sent through email.

SELECTION OF PARTICIPANTS AND INTIMATION:

Generally, The selection will be on first come first served basis among eligible applicants. The confirmation will be sent after receiving complete details of participant. The selected applicant will be informed about his/her selection through e-mail. For other queries contact to Dr. Ravindra Kumar, Training Organizer (as given below) or email headilt.crri@nic.in/headilt.crri@gmail.com.

TRAINING FEE:

The training fee is as given below:

Offline Mode	Online Mode
For Indian Participant: ₹ 20,000/- + 18% GST	For Indian Participant: ₹ 12,000/- + 18% GST
For SAARC Participant: US \$ 500/- + 18% GST	For SAARC Participant: ₹ 20,000/- + 18% GST (Equivalent US \$)
For Other Countries : US \$ 600/- + 18% GST	For Other Participant: ₹ 25,000/- + 18% GST (Equivalent US \$)
For Students (5 slots only) 25% of above cost, if MoU exists between CSIR-CRRI and the concern Institute/ organization) (Minimum Qualification B. Tech. Civil.)	

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 during the training.

Name of the Bank	: State Bank of India		
Branch Address	: Central Road Research Institute, P.O.: CRRI, Mathura Road, Delhi		
Account Number	: 30268867237	CRRI TAN No	: DELC00127B
Bank IFSC Code	: SBI N0010442	GST No. (CSIR)	: 07AAATC2716R1ZH

ACCOMMODATION:

Limited Guest house/hostel accommodation within the campus is available (on payment basis) for outstation participants on request. Institute canteen facilities are available at reasonable rates. The Guest house/hostel charges for trainees are as given below:

- ₹ 600/- per person per day for Indian Nationals;
- ₹ 2,000/- per person per day for participants from SAARC countries;
- ₹ 3000/- per person per day for participants from other countries.

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 customised & regular training programmes. Over the years, more than 25,000 engineers have availed the training facilities. Presently, CRRI is conducting 11 regular training programmes of varying duration to suit the requirements of different levels of engineers. Participants to these training programmes are drawn 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 regular training programme, customized training programmes are also being organised on request to cater the needs of user organizations.

For more information Contact :

Training Organizer:

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