



Engineer-in-Chief PWD, GNCTD <pwdhqdelhi@gmail.com>

CSIR-CRRI Training Programme on Quality Assurance, Health Assessment and Rehabilitation of Bridges, to be organized at CRRI, New Delhi

Sanjay Singh Gaharwar <ssg.cri@nic.in>
To: pwdhqdelhi@gmail.com

Thu, Jun 14, 2018 at 1:26 PM

Kind Attn.: Shri R.K. Agrawal, Engineer-in-Chief, PWD, Delhi

Dear Sir,

Please find enclosed herewith the detailed information on the CSIR-CRRI Training Programme on Quality Assurance, Health Assessment and Rehabilitation of Bridges, to be organized at CRRI, New Delhi, from 25th-29th June 2018, as an attachment to this mail for your kind information and needful. You are hereby requested to depute the officers of your organization for participation in this Training Programme in large nos. It is needless to mention here that participation of your Field Engineers in this Training Programme will provide them the opportunity to have exposure to the state of the art provisions / practices in the field of Quality Assurance, Health Assessment and Rehabilitation of Bridges to improve their professional skills and update their knowledge for professional purposes.

Thanks & Best Regards.

-SS Gaharwar
Sr. Pr. Scientist & Former Head, Bridge Engineering & Structures Division
CSIR-Central Road Research Institute, New Delhi - 110025
[M]: 09818580918

Encl.: As above.

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JTC
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A meeting with
for operations of
EOS/AEB/RO
15/6
AAO
18/6/18

CSIR-CRRI TRAINING PROGRAMMES FOR THE YEAR 2018-19

TITLE OF THE COURSE	DURATION WITH DATES	COURSE FEE (PER PARTICIPANT) + 18% GST	COURSE COORDINATOR
PAVEMENT ENGINEERING & MATERIALS			
Design, Construction and Quality Control in Flexible Pavements	06-10 Aug. 2018	18,000/-	Sh. Manoj Kr. Shukla
Design, Construction, Quality Control and Maintenance of Rigid Pavements	10-14 Sept. 2018	18,000/-	Sh. Binod Kumar
Pavement Evaluation Techniques and their applications for Maintenance and Rehabilitation	29 Oct. - 02 Nov. 2018	18,000/-	Sh. Pradeep Kumar
ROAD DEVELOPMENT PLANNING & MANAGEMENT			
International Course on Dissemination of HDM-4	26 Nov. - 07 Dec. 2018	40,000/-	Dr. Devesh Tiwari
GEOTECHNICAL ENGINEERING			
Landslide Mitigation and Detailed Project Report (DPR) Preparation	27-29 Aug. 2018	18,000/-	Dr. Pankaj Gupta
Geotechnical and Landslide Investigations for Highway Projects	07-11 Jan. 2019	18,000/-	Dr. P.S. Prasad
BRIDGES & STRUCTURES			
Quality Assurance, Health Assessment and Rehabilitation of Bridges	25-29 June 2018	18,000/-	Sh. S.S. Gaharwar
Design of Bridge Structure and Foundation	08-12 Oct. 2018	18,000/-	Dr. P. Lakshmy
TRAFFIC & TRANSPORTATION PLANNING			
Planning for Sustainable Transportation System	04-08 Feb. 2019	18,000/-	Dr. E. Madhu
Traffic Engineering & Road Safety Audit	16-20 July 2018	18,000/-	Dr. S. Velmurugan

CUSTOMIZED TAILOR MADE PROGRAMMES

In addition to the above, CRRI also organises customized tailor made programmes as per the clients requirements.

COURSE FEES :

The Course fee is to be sent in advance through e-transfer to CRRI Bank Account as per the details given below alongwith GST details of sponsoring organisation.

Name of the Bank	: State Bank of India
Branch Address	: Central Road Research Institute, P.O. : CRRI, Delhi Mathura Road, New Delhi
Account Number	: 30268867237
Bank IFSC Code	: SBI N0010442
CRRI TAN	: DELC00127B
CRRI PAN (CSIR)	: AAATC2716R
GST No. (CSIR)	: 07AAATC2716R1ZH

FOR FURTHER INFORMATION OR SENDING NOMINATIONS, PLEASE CONTACT :

DR. NEELAM J. GUPTA, PRINCIPAL SCIENTIST
COURSE ORGANISER & HEAD
INFORMATION, LIAISON & TRAINING
 CSIR - Central Road Research Institute
 P.O. CRRI, Delhi-Mathura Road
 NEW DELHI - 110 025, INDIA

PHONE: 91-11-26921939,
 FAX: 91-11-26845943, 26830480
 E-mail : headilt.crri@gmail.com, headilt.crri@nic.in
 neelamjn19.crri@nic.in
<http://www.crridom.gov.in/training-events>

नामांकन प्रोफार्मा/NOMINATION PROFORMA

प्रशिक्षण कार्यक्रम का शीर्षक/ Title of Training Programme : _____

अवधि/ Duration : _____

आवेदनकर्ता का नाम/ Name of the Candidate: _____

पद/ Designation : _____

कार्यालय का पूरा डाक पता/ Complete Postal Address of Office: _____

संपर्क नं./ Contact No. : _____ ई-मेल पता/ Email ID : _____

आधार नं./ Aadhar No. : _____

प्रशिक्षण के दौरान सीआरआरआई गेस्ट हाउस में आवास की आवश्यकता : हां / नहीं
Accommodation Required in CRRI Guest House During Training : Yes / No

प्रायोजक संगठन का विवरण/ Details of Sponsoring Organisation :

नाम/ Name : _____

डाक पता/ Postal Address : _____

जीएसटी नं. (यदि प्रायोजित हैं तो)/ GST No. (In case of sponsored) : _____

ईमेल पता/ Email ID. : _____

भुगतान का विवरण (पाठ्यक्रम शुल्क)/ Details of Payment (Course fee) :

1. लेनदेन संदर्भ संख्या/ Transaction Ref. No. : _____

2. लेनदेन की तिथि/ Date of Transaction : _____

3. पाठ्यक्रम शुल्क की राशि/ Amount of Course Fee : _____

दिनांक/ Date : _____

आवेदनकर्ता के हस्ताक्षर/ Signature of Candidate

प्रायोजक संगठन के हस्ताक्षर एवं मोहर
Signature & Seal of Sponsoring Authority

QUALITY ASSURANCE, HEALTH ASSESSMENT AND REHABILITATION OF BRIDGE

Course Coordinator : Shri S. S. Gaharwar

Course Fee : Rs.18000/- + 18% GST per participant

Duration : 25-29 June 2018 (5 days)

Course 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 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.

Broad Course Contents

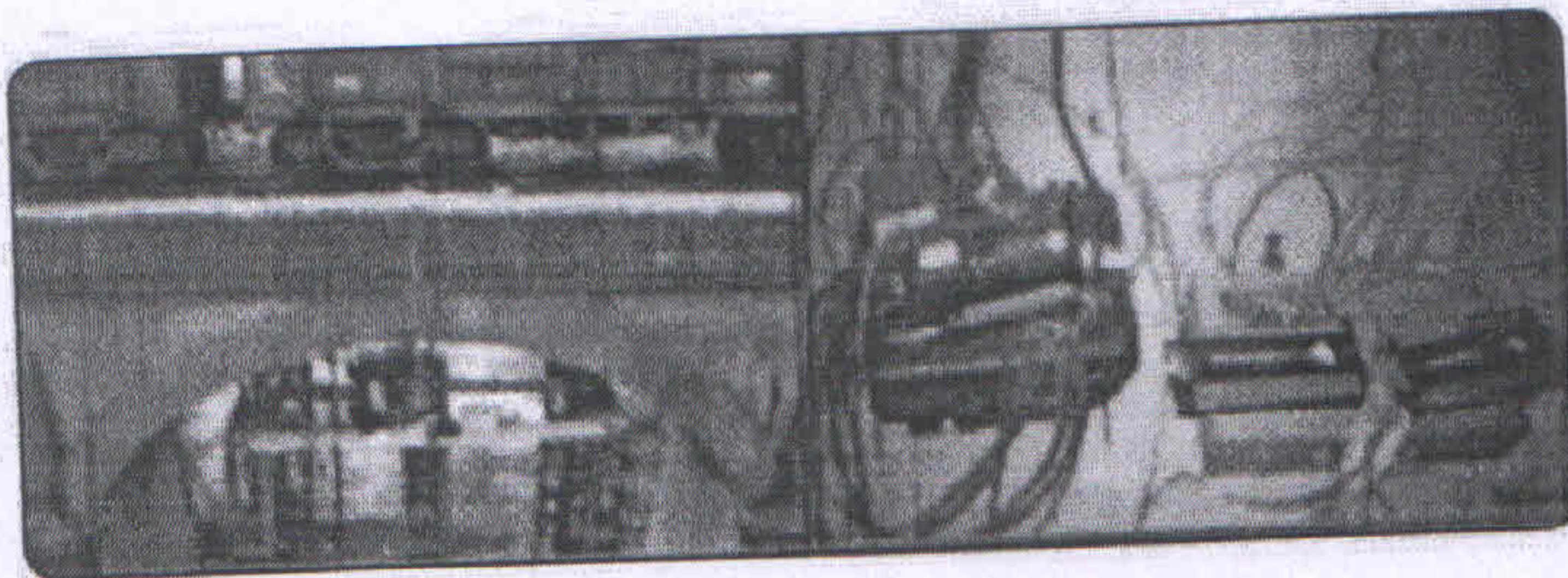
- Elements of quality assurance system
- Inspection and Inventory of bridges using MBIU
- Non-destructive testing of bridges
- Health monitoring of bridges using instrumentation
- Signature analysis of bridges using vibration monitoring
- Load testing and rating of bridges
- Rehabilitation of bridges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

Eligibility

Qualification : Diploma / Degree in Civil Engineering

Level : Junior Engineer / Asst. Engineer & above.

Experience : Desirable three years of field/working experience



सेतु का गुणवत्ता आश्वासन, सेवाकाल आकलन एवं पुनर्वास

- पाठ्यक्रम समन्वयक : श्री एस. एस. गहरवार
- पाठ्यक्रम शुल्क : रू. 18000/- + 18% जीएसटी प्रति प्रतिभागी
- अवधि : 25-29 जून, 2018 (5 दिन)
- पाठ्यक्रम उद्देश्य : अपने डिजाइन जीवनकाल के दौरान उचित रूप से डिजाइन किए गए सेतुओं को खराब निर्माण प्रथाओं, अतिभारण, अपर्याप्त अनुरक्षण, प्रतिकूल सेवा पर्यावरण और बाढ़, भूकंप आदि घटनाओं के कारण विभिन्न संकटों का सामना करना पड़ सकता है। पाए गए संकट सेतुओं को कमजोर करने का कारण बनते हैं इस प्रकार उनके प्रदर्शन को प्रतिकूल रूप से प्रभावित करते हैं। इस परिदृश्य के अंतर्गत, विषयों को समाहित करने के लिए पाठ्यक्रम गुणवत्ता आश्वासन, एनडीटी का उपयोग करके संरचनात्मक स्थिति मूल्यांकन एवं अन्य यंत्रीकरण तकनीकों, पुनर्वास और सेतु के प्रबंधन प्रणाली से संबंधित विषय डिजाइन किये गए हैं। पाठ्यक्रम गुणवत्ता आश्वासन योजना (क्यूएपी) को तैयार और कार्यान्वित करने के लिए तथा देश में सेतु के ढांचे के पुनर्वास और अनुरक्षण प्रबंधन के लिए एसओपी विकसित करने के लिए उपयोगी है। सक्रिय भागीदारी के माध्यम से शिक्षाविद, शोधकर्ता, क्षेत्रीय इंजीनियर, सलाहकार और ठेकेदार सहित विभिन्न हितधारक विषय पाठ्यक्रम से लाभ प्राप्त कर सकते हैं।
- व्यापक पाठ्यक्रम विषय सामग्री :
- गुणवत्ता आश्वासन प्रणाली के तत्व
 - एमबीआईयू का उपयोग करके सेतु निरीक्षण और वस्तुसूची
 - सेतुओं का अविध्वंसक परीक्षण
 - यंत्रीकरण का उपयोग कर सेतुओं की स्वास्थ्य निगरानी
 - कंपनी निगरानी का उपयोग करके सेतुओं का हस्ताक्षर विश्लेषण
 - सेतुओं का भार परीक्षण और मूल्यांकन
 - सेतुओं का पुनर्वास तथा बियरिंग और विस्तार जोड़ों सहित उनका अनुप्रयोग
 - सेतु प्रबंधन प्रणाली
- पात्रता : शैक्षणिक योग्यता : सिविल इंजीनियरी में डिप्लोमा / डिग्री
- स्तर : कनिष्ठ अभियंता / सहायक अभियंता एवं इससे ऊपर
- अनुभव : तीन वर्ष का स्थल / कार्य अनुभव वांछनीय

