



CSIR
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An ISO 9001:2008 Institution

A Five Day Training Programme

on



DESIGN OF BRIDGE STRUCTURE AND FOUNDATION

19-12-2022 to 23-12-2022

Call for Registration and Participation

Course Organizer:

Dr. Neelam J Gupta

Sr. Principal Scientist & Head
(Information Liaison and Training)

Course Coordinator:

Dr. Rajeev Goel

Chief Scientist & Head
(Bridge Engineering and Structures)

Organised by:



सीएसआईआर-केंद्रीय सड़क अनुसंधान संस्थान

CSIR-CENTRAL ROAD RESEARCH INSTITUTE

(वैज्ञानिक और औद्योगिक अनुसंधान परिषद)

(Council of Scientific and Industrial Research)

दिल्ली - मथुरा रोड, नई दिल्ली - 110025, भारत

DELHI - MATHURA ROAD, NEW DELHI - 110025, INDIA

CSIR-CRRI TRAINING PROGRAMME ON

DESIGN OF BRIDGE STRUCTURE AND FOUNDATION

DURATION : 19-23 December 2022 (05 days)

OBJECTIVES:

During the past two decades, tremendous advancement in the field of Bridge Engineering has taken place. This has led to the development of new structural forms, new materials and computer aided analysis and design of bridges. After the introduction of LIMIT STATE DESIGN there have been improvements in design codes IRC: 5, IRC: 6 and IRC: 112, IRC: 78, IRC: 83, IRC-22, IRC 24 and so on. This course is designed to impart training on recent developments in planning, analysis and design of durable and economical road bridges.

COURSE CONTENTS:

This training on Design of Bridge Structure and Foundation will include:

- Planning and project report preparation
- Basis of design
- Material properties and their design values
- Loads and load combinations
- Analysis of bridges
- Limit states for design of bridge superstructure, substructure and foundation
- Detailing requirements including ductile detailing
- Bridge Design Example

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 : Asst. Engineer & above.

Experience : Two years & above in planning and design of bridges

HOW TO APPLY:

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

SELECTION OF PARTICIPANTS AND INTIMATION:

Generally, CRRI accept nominations of 30 participants only. 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. Neelam J. Gupta, Course Organizer (as given below) or email headilt.crri@nic.in/headilt.crri@gmail.com.

COURSE FEE:

The training fee for on-campus trainings is as given below:

For Indian Participant: ₹ 18,000/- + 18% GST

For SAARC Countries : US \$ 450 /- + 18% GST

For Other Countries : US \$ 550/- + 18% GST

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:

- ₹ 300/- per person per day for Indian Nationals;
- ₹ 1,000/- per person per day for participants from SAARC countries;
- ₹ 1,500/- per person per day for participants from other countries.

ABOUT CRRI:

The Central Road Research Institute (CRRI), New Delhi is located on Delhi-Mathura Road after Sukhdev Vihar Depot and before Apollo Hospital.

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 10 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 :

Course Organizer:

Dr. Neelam J Gupta

Senior Principal Scientist and Head
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: Ext. 514

Email : headilt.crri@gmail.com; headilt.crri@nic.in;

Website : <http://www.crridom.gov.in/training-events>

Course Coordinator:

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