

# TRAINING PROGRAM OF “BRIDGE INSPECTORS”

## 2nd Batch

**Course Director: Er. N. K. Sinha, an eminent expert in the field. He is the former D.G. (Roads) in Ministry of Road Transport & Highways.** He will be joined by other eminent experts in the field of Bridge Engineering, including **Dr. (Mrs.) Lakshmy P., CSIR-CRRI; Er. Ajit Kumar Mishra, IRSE, Dedicated Freight Corridor Corporation of India; Er. G.K. Sahu, CSIR-CRRI & Er. S.S. Gaharwar, CSIR-CRRI.**

LEVEL 1 (Online) 14<sup>th</sup> to 16<sup>th</sup> July 2022, (10.00 hrs to 13.00 hrs & 14.00 to 17.00 hrs )

### **DAY Course Content**

1. Importance of Bridge Inspection , Role of a Bridge Inspector and their responsibilities, Inspection types. IRC guidelines. General Aptitude and motivation
2. Introduction to Inspection System for Railway Bridges
3. Types of Bridge Construction, Utilities, Lighting, Signage, drainage, culvert, underpass, subway, Retaining walls, river training and protection works
4. Structural Forms, Span Arrangement, Bridge Elements- Primary and Secondary, Construction Materials – concrete, reinforced concrete, prestressed concrete- pretensioned and post-tensioned steel, steel-concrete composite, masonry. Introduction to the Bearings, Expansion Joints, Wearing Coat, Railings & Crash Barriers

ASSIMILATION EXERCISE to be given to all participants.

This would be a set of questions & exercises. You have to respond to / answer them & send by a date to be specified. This is aimed at helping you to revise the course on your own. **It is not compulsory.**

*Please Note:* Participation Certificate would be given to all participants who have attended 60% of the course in terms of number of hours attended. This is irrespective of whether you answer the ASSIMILATION EXERCISE or not. In case you attempt & return the Assimilation Exercise, you would be given a special Star rating in the Certificate. The rating would depend on score achieved. An additional commendation letter would be given by Course Director to the top 3 scorers

**Fees : Indian— Rs. 4,130/- (Rs.3,500/- + GST @18%), Foreign 82.6 USD (70 USD + GST 18%)**

**For participants who had registered in First Batch: Free. Please quote your Registration Number while registering & in all correspondence.**

Registration (for new participants only): Please click on the link given below for online Registration to the training program.

[https://docs.google.com/forms/d/e/1FAIpQLSfGhNbeVok5wQDFAO2A55IIQ6SbeMv2jho1hKMBYDWXWDSagA/viewform?usp=sf\\_link](https://docs.google.com/forms/d/e/1FAIpQLSfGhNbeVok5wQDFAO2A55IIQ6SbeMv2jho1hKMBYDWXWDSagA/viewform?usp=sf_link)

- Who should attend:
1. Engineers in govt. departments.
  2. Engineers in highway companies with 1 or 2 years of experience
  3. Faculty of colleges/ Universities trained under PARAKH
  4. Professional engineers registered with Engineering Council of India.
  5. Students in final year or studying further.
  6. Others (Please specify)

\* CPD Points will be applicable for Engineers registered with ECI (Engineering Council of India)

For Clarification kindly communicate to:

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Mrs. Adesh Kumari, Cell: +91 9999935755 Email: cidcindia@gmail.com