

TRAINING PROGRAM OF “BRIDGE INSPECTORS”

LEVEL-1

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) (18 hrs. course)

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.

Fees : Indian— Rs. 5,900/- (Rs.5,000/- + GST @18%), Foreign 118 USD (100 USD + GST 18%).

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/1FAIpQLSf1wXONCb-DvssPkY4ir0BhFxm1DviMI_9WZvxVuaPhudWGA/viewform?usp=share_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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