



Construction Industry Development Council

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Emerging opportunities in Bridge Inspections

Sub: Special Training program of “Bridge Inspectors” - Level 1 (Online) from 9th to 11th June, 2022
By **Shri N. K. Sinha, former D.G. (Roads) in MoRT&H**

Greetings,

A major upcoming area with vast opportunities is Health Assessment of Bridges & structures on Roads & Highways in India. There are around 38 Lakh bridges & structures on the Roads in India, many **over 40 years old and needing repairs & maintenance**. At present this responsibility is that of serving departmental engineers. However, due to high pressures in many other departmental works, their focus on inspection of bridges becomes very limited and that leaves a demand gap in the cadre of “Bridge Inspectors”. **In recent years the task is being offloaded to the Private Sector too.** The estimated number is a need for 2 lakh bridge inspectors & numerous consultancies & contracts for R&R.

Bridge inspectors evaluate bridge conditions to ensure public safety. Inspectors look for bridge deterioration and damage, and they make recommendations about necessary repairs. Besides, bridge inspection needs specialized knowledge about distress conditions and the use of specialized tools for testing & evaluation. As a part of CIDC’s mandate to provide skilling and up-skilling in the field of construction/ infrastructure and looking at the huge manpower requirement in health assessment of bridges, CIDC has launched a three-module (3 levels) training program for “Bridge Inspectors”.

We are pleased to announce that Level 1 (online program) of this **course shall commence from 9th to 11th June, 2022**. Level 1 shall cover General Features of Bridge Inspection. **We invite you to join this program and also encourage your colleagues and associates to join.** Engineers registered in National Register of PEs in ECI would earn CPD Points as applicable.

Course Director: Shri 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 experts in the field of Bridge Engineering.

For any queries, please contact Mr. Sunil Mahajan, ADG (Cell: +91 9711106001) / Ms. Adesh Kumari GM (Cell: +91 9999935755) and/ or email: cidcindia@gmail.com.

With kind regards
Yours sincerely

Dr. P. R Swarup
Director General, CIDC

Encl: Brochure

About CIDC: Construction Industry Development Council (CIDC), as the apex body of construction in India was formed by Govt. of India together with Industry under the aegis of the then Planning Commission, to introduce structural reforms and to take up necessary initiatives needed for development of the Industry. Please see (www.cidc.in) for details.

TRAINING PROGRAM OF “BRIDGE INSPECTORS”

Course Director: Shri 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 experts in the field of Bridge Engineering.

LEVEL 1 (ON – LINE) 9th to 11th June 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. 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, Types of Bridge Construction, Utilities, Lighting, Signage, drainage, culvert, underpass, subway, Retaining walls, river training and protection works**
- 3. Major defects, locations and their causes
- in concrete, steel and masonry components,
- in bearings, expansion joints, railings, crash barrier**

ASSIMILATION EXERCISE to be given to all participants.

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

Please Note:

1. Participation Certificate would be given to all participants who have attended 70% of the course in terms of number of hours attended. This is irrespective of whether you answer the ASSIMILATION EXERCISE or not.

2. 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%)**

Early Bird Discount

Fees Received upto 18th May - Indian—Rs. 3,245/- (Rs. 2,750 + GST.),

Fees Received upto 18th May - Foreign - 73.2 USD (62 USD + GST 18%)

Fees Received upto 30th May - Indian—Rs. 3,540/- (Rs. 3,000 + GST.),

Fees Received upto 18th May - Foreign - 77.9 USD (66 USD + GST 18%)

Registration : Please click on the link given below for online Registration to the training program.

https://docs.google.com/forms/d/e/1FAIpQLSfGhNbeV0k5wQDFAO2A55IIQ6SbeMv2jho1hKMBYDWXWDSagA/viewform?usp=sf_link

Who can 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.

* 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, Mob.: +91 9999935755 Email: cidcindia@gmail.com