

## Application Form

1. Name:
2. Gender: Male/Female
3. Qualification
4. Economic Category : APL or BPL(Tick Appropriately)
5. If Yes for BPL in Above, Type of Proof Enclosed:
  
6. Address for Correspondence:  
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7. E-mail:
8. Phone:
9. Payment\* Details:
  - i) Demand Draft No/UTR No.;
  - ii) Date:
  - iii) Bank:
  - iv) Amount:

Signature

\* Payment may be made through a Demand Draft payable at Delhi in favour of 'Central Road Research Institute, Delhi'. Otherwise, ECS/NEFT/RTGS transfers are also acceptable on 'Central Road Research Institute, Delhi' with saving account No. 30268867237 of SBI,CRRI(IFSC Code: SBIN0010442)

### For Sponsored Candidates Only

10. Designation/Department:
11. Institution:
12. Experience:

- **Quality:** Work meeting standards and requirements
- **Responsiveness:** Coordination with awarding authority and ability to find win-win situations
- **Reputation:** Establishing market reputation and perception
- **Experience and Skills:** Adequate level of experience and skills suitable for work
- **Capacity:** Resources and organisation capacity augmentation with variety and size of work

### Management and Faculty

Faculty for the course is drawn from vast pool of experts available at CSIR-CRRI and from industry. CSIR-CRRI has a well knit management structure to handle such courses.

### Learning Outcome

At the end of the module, a candidate would have knowledge and exposure on the following aspects

- ▶ Overview of Flexible and Rigid Pavements
- ▶ Quality Management System for Roads
- ▶ Testing of materials and evaluation
- ▶ Equipment and machinery and their calibration
- ▶ Quality control during constructions.

### Highlights of the Training

- ▶ Equal Weightage to Theory and Practical session as per the course curriculum.
- ▶ Tutorials (personal attention)
- ▶ Guest lecturers from industrial experts and multimedia aids
- ▶ Interactive sessions
- ▶ Hands-on-practical exposures on the state-of-the-art equipment
- ▶ Field visits
- ▶ Additional inputs on soft skill and personality development.
- ▶ Evaluation of candidates
- ▶ Placement guidance/ Job counselling

Authorised Signature of the Sponsoring Firm

**For further information please contact :**  
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## CSIR Integrated Skill Initiative

Quality Assurance /Quality Control in Road Construction



## Skill Development Course

On

## Quality Assurance/Quality Control in Road Construction



**August –November, 2017**

**CSIR-Central Road Research Institute**  
**New Delhi-110 025**

The present world is of advancements in building civil structures with quality structures even becoming the icon of development of a country. This answers the great importance given to construction related works and the huge demand for efficient and experienced workers in the field. QA/QC in civil engineering is a professional engineering discipline that deals with the design, construction, and maintenance of the physical and naturally built works like roads.

#### **Skill Development for Quality Control in Road Construction**

It is recognised that there is a need to develop human resource with both skilled and semi-skilled competency in order to be capable of making surveillance on the quality of assets being created at huge costs, since the quality decides the performance/level of service.

This well conceived skill development programme is designed to enhance managerial and technical skills of the participants responsible for planning, managing and supervising road construction projects for more efficient, effective and high standard of these works. It also focuses on up-to-date knowledge of quality standard and quality control issues of construction as well as work processes in all construction phases that lead to better quality of road works. Hence, the skill development programme encompasses/includes quality assurance in road works, contract management, inspection procedures and testing of construction materials.

#### **CSIR-CRRI**

CSIR-Central Road Research Institute (CRRI), a premier national laboratory established in 1952, is engaged in carrying out research and development projects in the road and road transport related fields covering planning, design, investigations, evaluation and management of roads and bridges. The institute provides technical and consultancy services to various user organizations in India and abroad. The institute has been conducting courses to disseminate the R&D finding to the masses.

#### **The Programme Objective and Features**

The primary Objective of the exercise is to impart skills requisite for carrying out various activities of quality control and quality assurance measures during road construction.

<b>Title of the Course</b>	Certificate Course in Quality Assurance /Quality Control in Road Construction
<b>Duration</b>	4 months, August-November, 2017
<b>No. of seats</b>	25-30, with a provision of 5 seats for Below Poverty Line (BPL) Candidates
<b>Educational Qualification</b>	Diploma in Civil Engineering
<b>Age group</b>	18-35 years (relaxation for SC/ST/OBC as per GOI rules)
<b>Venue</b>	CSIR-CRRI, New Delhi-110 025
<b>Course Fee</b>	Rs.25,000 per candidate. BPL candidates are however exempted from the fee
<b>Last Date for Registration</b>	July 25 <sup>th</sup> , 2017
<b>Date of Course Commencement</b>	August 1 <sup>st</sup> , 2017

The programme targets individuals who desire to acquire professional skills required at site for quality control and quality assurance for road construction. Selection mode will be decided depending upon the number of applicants. It may include entrance test and / or Interview, to judge the general aptitude of the candidate. The instruction methods include class room lectures, laboratory testing and field visits. Medium of instruction will be in English/Hindi.

Road construction department/agencies are welcome to sponsor candidates of their interest. In the selection modality, a special weightage will be given to the candidates sponsored by established industries and non-profit making organisations.

#### **Course Structure**

This non-residential skill development program has been designed to impart basic knowledge of road construction through 4 months class room lectures, laboratory testing at CRRI and hands-on training in the field.

Overall, the programme envisages to inculcate the following.

- **Timeliness:** Timeliness of tasks and reporting
- **Value for Money:** Cost justifications for the quality and work output as per market standards and best practices

<b>From</b> ..... ..... ..... ..... ..... .....	<b>To</b> Dr. Lakshmy Parameswaran, Chief Scientist CSIR-Central Road Research Institute Mathura Road, New Delhi – 110025
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