



तल्लु कुमल आमला  
प्रमुल, सुचल, सगुल एवं प्रल्ललल

T.K. Amla  
Head, Information, Liaison, Training

सीएसआईआर-केंद्रीय सड़क अनुसंधान संस्थान

( वैज्ञानिक एवं औद्योगिक अनुसंधान परिषद )

पी.ओ. सीआरआरआई, मथुरा रोड, नई दिल्ली 110025 ( भारत )

CSIR-Central Road Research Institute

(Council of Scientific & Industrial Research)

Po. CRRI. Delhi-Mathura Road, New Delhi-110025 (India)

Website: www.crridom.gov.in

GSP/HRP/01/1(A)

April 8, 2013

Chief Engineer,  
R&B & IT, Kerala PWD,  
Public Office Buildings,  
THIRUVANANTHAPURAM-695033

Sub: CSIR-CRRI Training Programmes for the period from June, 2013 to Sept.,  
2013 – Nomination regarding

Dear Sir / Madam,

CSIR-Central Road Research Institute is organizing following four refresher courses/training programmes during the period from June, 2013 to Sept., 2013 for the in-service highway and transportation engineers and planners.

Sl. No.	Course	Duration	Course Fees
1.	Bridge Diagnostics, Performance Evaluation and Rehabilitation	17 - 21 June, 2013	Rs. 8000/- + 12.36% S.T.
2.	Transport Planning & Economics	01 - 05 July, 2013	Rs. 8000/- + 12.36% S.T.
3.	Traffic Engineering & Road Safety Audit	22 - 26 July, 2013	Rs. 10,000/- + 12.36% S.T.
4.	Design, Construction and Maintenance of Flexible Pavements	02 - 06 Sept., 2013	Rs. 8,000/- + 12.36% S.T.

A copy of Training Brochure giving detailed information i.e. broad course content, duration, course fee etc. on each of the above training course is enclosed herewith. You are requested to nominate suitable 3-4 officers from your organization to attend these programmes. The nomination may be send at the earliest along with course fee.

A copy of the training calendar for the year 2013-14 is also enclosed for your information.

Thanking you,

Yours faithfully,

(T.K. Amla)

Encls: as above



**TRAINING PROGRAMME ON  
BRIDGE DIAGNOSTICS, PERFORMANCE,  
EVALUATION AND REHABILITATION**

**DURATION :** June 17 - 21, 2013 (5 days)

**OBJECTIVES :**

The course is designed to impart specialized training in the techniques of performance monitoring of bridges, condition assessment of bridges, repair and rehabilitation of distressed bridges and the bridge management system to the policy makers and the practicing civil engineers. The course is useful for planning, maintenance and up keep of bridge infrastructure in the country through judicious allocation of funds for various activities in the bridge management system. It is also intended to make the participants fully aware of the entire spectra of know – how regarding repair and rehabilitation of bridges.

**COURSE CONTENTS:**

- \* Inspection / performance monitoring of bridges
- \* Signature analysis
- \* NDT of bridges
- \* Inventory rating of bridges
- \* Repair & rehabilitation of bridges
- \* Bridge management system

**ELIGIBILITY:**

**Qualification:** Degree / Diploma in Civil Engineering  
**Level:** Assistant Engineer and above  
**Experience:** Three years & above in policy / decision making  
in the area of repair and rehabilitation of bridges

**COURSE FEE:**

Rs.8000/- per participant + 12.36% Service Tax payable in advance by crossed Bank Draft in favour of “**Director, Central Road Research Institute**” payable at “**New Delhi**”. This includes training fee and the study material to be provided during the training.

**FACULTY:**

The Institute has got highly qualified & experienced faculty to impart training on each specific area.

**ACCOMMODATION:**

Limited Non-family hostel / guest house accommodation is available on request in advance. Institute canteen facilities are available at reasonable rates.

## **NOMINATION:**

Maximum intake is 25 participants. Nominations in the Nomination Form duly signed by the appropriate authority may be sent to **Sh. T. K. Amla, Head, Information, Liaison and Training Division**, Central Road Research Institute, New Delhi - 110 025 along with the course fee. Nominations are accepted on first come first served basis.

## **ABOUT CRRRI:**

The Central Road Research Institute (CRRRI), New Delhi is located on Delhi-Mathura Road after Okhla DTC Bus Depot - II, 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 CRRRI 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 training programmes and refresher courses. Over the years, more than 10,000 engineers have availed the training facilities. Presently, CRRRI is conducting 11 regular training programmes of varying duration to suit the requirements of different levels of engineers. Participants to these training programmes are drawn from MOSRT & H, PWD, CPWD, E-in-Branch, BRO, Public Sector Undertakings, Town Planning, Traffic Engineering Agencies and Commercial Units, Traffic Police Department, Private Consultants and Individuals.

## **SPECIAL PROGRAMME:**

Besides, regular training programmes tailor made short-terms courses on demand are also organised to cater to the needs of user organisations.

## **Address for mailing the nomination form:**

**To :**

**T. K. Amla**  
Head & Course Organiser  
Information, Liaison & Training  
**CENTRAL ROAD RESEARCH INSTITUTE,**  
**DELHI MATHURA ROAD, P.O. CRRRI,**  
**NEW DELHI - 110025**

Telephone : 011+26921939, (O)  
22117332 (R), 9810295281 (M)  
EPABX : 011+ 26832173, 26832427, 26832325  
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Fax : 011+2 6845943  
: 011+ 26830480  
Tele Fax : 011+26921939  
Email : tkamla.crrri@nic.in  
mkmeena.crrri@nic.in

**Course Coordinator :**

**Dr. Lakshmy P.**  
Sr. Principal Scientists  
Bridge and Structures  
Ph. No.011-26314424 (O)  
9810274002 (M)

**Dr. Rajeev Garg**  
Head  
Bridge and Structure  
Tele: 9868111558 (M)  
Ext. 400  
E-mail: rajeev.crrri@nic.in

TRAINING PROGRAMME ON  
**TRAFFIC PLANNING & ECONOMICS**

**DURATION :** July 01 - 05, 2013 (5 days)

**OBJECTIVES :**

To impart working knowledge in various aspects of traffic system management for urban areas, transport planning process including various transport and land use models. The Course will cover the issues relating to various components of road user cost economic evaluation of transport system and methodology on the quantification of user charges specifically with regard to congestion. In addition to above the latest development in traffic engineering, transport planning and ITS (Intelligent Transport System) will be covered with case studies.

**COURSE CONTENTS:**

- \* Design and management of Intersections and Interchanges
- \* Parking policies and regulatory measures
- \* Traffic safety devices and equipment
- \* Geometric design of urban roads
- \* Planning and design of transport terminals and Interchanges
- \* Travel demand estimation and management
- \* Comprehensive traffic and transportation studies
- \* GIS application in transport planning
- \* Non-Motorized transport models
- \* Intelligent transport system
- \* Transport planning software
- \* Land-use transport model

**ELIGIBILITY:**

**Qualification:** Diploma/Degree/Post Graduate in Civil Engg./Transportation/  
Traffic/Highway Engg. /Architecture  
**Level:** Assistant Engineer and above  
**Experience:** Five years & above in the field of traffic management, transportation  
planning / safety

**COURSE FEE:**

Rs.8000/- per participant + 12.36% Service Tax payable in advance by crossed Bank Draft in favour of "Director, Central Road Research Institute" payable at "New Delhi". This includes training fee and the study material to be provided during the training.

**FACULTY:**

The Institute has got highly qualified & experienced faculty to impart training on each specific area.

## ACCOMMODATION

Limited Non-family hostel / guest house accommodation is available on request in advance. Institute canteen facilities are available at reasonable rates.

## NOMINATION:

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Information, Liaison & Training  
**CENTRAL ROAD RESEARCH INSTITUTE,**  
**DELHI MATHURA ROAD, P.O. CRRI,**  
**NEW DELHI – 110025**

**Course Coordinator :**

**Dr. Purnima Parida**  
Head,  
Transportation Planning

Telephone : 011+26921939, (O)  
22117332 (R), 9810295281 (M)

EPABX : 011+ 26832173, 26832427, 26832325  
: Ext. 320, 321 & 326

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Tele Fax : 011+26921939

Email : tkamla.crri@nic.in  
mkmeena.crri@nic.in

Ph. No. 011-26312268 (O)

**TRAINING PROGRAMME ON  
TRAFFIC ENGINEERING & ROAD SAFETY AUDIT**

**DURATION**      July 22 - 26, 2013 (5 days)

**OBJECTIVES :**

The main objective of the course is to teach **Road Safety Audit** methodology at different stages of the road project i.e. feasibility, planning, designing, construction, pre-opening and for existing roads. The course content is so designed as to make the participants aware of the **road safety audit process and to apply it practically for the road projects. As the road safety audit is now becoming mandatory to apply for all the major road projects and for all PPP Projects also, the course is aimed at decision makers, engineers, consultants R&D Personnel working at national, state or local level.**

**COURSE CONTENTS:**

***Theory***

- \* Road Safety in India – An overview
- \* Planning for network, land use and road environment for safety
- \* Designing for safety, Road Link designs, junctions
- \* Road Safety Audit process
- \* Design stage Road Safety Audit
- \* Road safety audit in road works & pre-opening safety audit
- \* Safety Audit of existing roads
- \* Road safety Audit checklists

***Practical***

- \* Detailed Design Audit – In office audit of Example Design
- \* Audit of construction site
- \* Audit of Existing Road

**ELIGIBILITY:**

**Qualification:** Diploma / Degree / Post graduate in Civil Engg. / Transportation Engg.

**Level:** Junior Engineer and above

**Experience:** Five years & above in the field of traffic management and safety

**COURSE FEE:**

Rs.10,000/- per participant + 12.36% Service Tax payable in advance by crossed Bank Draft in favour of "**Director, Central Road Research Institute**" payable at "**New Delhi**". This includes training fee and the study material to be provided during the training.

**FACULTY:**

The Institute has got highly qualified & experienced faculty to impart training on each specific area.

**ACCOMMODATION:**

Limited Non family hostel / guest house accommodation is available on request in the Institute canteen facilities are available at reasonable rates.

**NOMINATION:**

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mkmeena.crri@nic.in

**Course Coordinator :**

**Dr. Nishi Mittal**  
Chief Scientist  
Traffic Engineering & Safety

Ph. No.011-26921829 (O)  
9811639727 (M)

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**Dr. S. Velumurgan**  
Head  
Traffic Engineering & Safety

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9868856522(M)

Ext.: 640

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**TRAINING PROGRAMME ON  
DESIGN, CONSTRUCTION AND MAINTENANCE  
OF FLEXIBLE PAVEMENT**

**DURATION :** September 02-06, 2013 (5 days)

**OBJECTIVES :**

The programme covers construction materials, pavement design, overlay design, mix design, construction techniques, execution, quality control aspects related to flexible pavements and its maintenance.

**COURSE CONTENTS:**

- \* Pavement types and design factors
- \* Analysis of flexible pavements and design inputs
- \* Flexible pavement design
- \* Structural evaluation of Flexible Pavements
- \* Flexible pavement overlay design
- \* Construction techniques & New Materials
- \* Sub grade evaluation for pavement design
- \* Conventional asphalt mix design
- \* Modern concepts in mix design
- \* Maintenance of Flexible Pavements
- \* Quality control and quality assurance
- \* Pavement Materials and associated desirable properties
- \* Testing procedures for road aggregates
- \* Testing procedures for bitumen

**ELIGIBILITY:**

**Qualification:** Degree / Diploma in Civil Engineering  
**Level:** Assistant Engineer and above  
**Experience:** Working experience in construction and maintenance of bituminous roads

**COURSE FEE:**

Rs.8000/- per participant + 12.36% Service Tax payable in advance by crossed Bank Draft in favour of "Director, Central Road Research Institute" payable at "New Delhi". This includes training fee and the study material to be provided during the training.

**FACULTY:**

The Institute has got highly qualified & experienced faculty to impart training on each specific area.

**ACCOMMODATION:**

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Information, Liaison & Training  
**CENTRAL ROAD RESEARCH INSTITUTE,**  
**DELHI - MATHURA ROAD, P.O. CRRI,**  
**NEW DELHI - 110025**

**Course Coordinator :**

**Dr. P.K. Jain**  
Head  
Flexible Pavement Division

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mkmeena.crri@nic.in

## CSIR-CRRI TRAINING PROGRAMMES FOR THE YEAR 2013-2014

TITLE OF THE COURSE	DURATION WITH DATES	COURSE FEE + 12.36 % S.T.	COURSE COORDINATOR
<b>A. PAVEMENT ENGINEERING &amp; MATERIALS</b>			
• Design, Construction and Maintenance of Flexible Pavements	02-06 Sep., 2013	Rs. 8000/-	Dr. P.K. Jain
• Rigid Pavements: Design, Construction & Quality Control Aspects	18-22 Nov., 2013	Rs. 8000/-	Sh. J.B. Sengupta
• Pavement Evaluation Techniques and their applications for Maintenance and Rehabilitation	16-20 Dec. 2013	Rs. 8000/-	Sh. K. Sitaramanjaneyulu
<b>B. ROAD DEVELOPMENT PLANNING &amp; MANAGEMENT</b>			
• International Course on Dissemination of HDM-4	16-27 Sep. 2013	Rs.30,000/-	Dr. Divesh Tiwari
• Geo-Spatial Technology (GIS, GPS, RS etc) for Road and Transportation	06-09 Jan. 2014	Rs. 10, 000/-	Dr. C. Ravisekhar
<b>C. GEOTECHNICAL ENGINEERING</b>			
• Geotechnical and Landslide Investigations for Highway Projects	21-25 Oct. 2013	Rs. 8000/-	Dr. Kishor Kumar
<b>D. BRIDGES &amp; STRUCTURES</b>			
• Bridge Diagnostics, Performance Evaluation and Rehabilitation	17-21 June 2013	Rs. 8000/-	Dr. Lakshmy P.
• Bridge Design and Construction	25-29 Nov. 2013	Rs. 8000/-	Dr. Lakshmy P.
<b>E. TRAFFIC &amp; TRANSPORTATION PLANNING</b>			
• Transport Planning & Economics	01-05 July, 2013	Rs. 8000/-	Dr. Purnima Parida
• Traffic Engineering & Road Safety Audit	22-26 July, 2013	Rs. 10000/-	Dr. Nishi Mittal
• Environmental Impact Assessment (EIA) and Environmental Clearance Process for Road & Highway Projects	02-05 Dec., 2013	Rs. 10, 000/-	Dr. Niraj Sharma

## Customized Tailor Made Programmes

In addition to the above CRRI also organises customized tailor made programmes as per the clients requirements

**Course Fee:** The course fee as indicated above is payable in advance by crossed bank draft in favour of 'Director, Central Road Research Institute, New Delhi'.

### FOR FURTHER INFORMATION & SENDING NOMINATION CONTACT:

**Shri T.K. Amla,**  
**Head & Course Organiser**  
Information, Liaison & Training,  
Central Road Research Institute,  
P.O.CRRI, Delhi-Mathura Road,  
New Delhi – 110 025

**Phone: 91-11-26921939,**  
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