A Five Day Training Programme

on

GEOTECHNICAL AND LANDSLIDE INVESTIGATIONS
FOR HIGHWAY PROJECTS

17-08-2020 to 21-08-2020

Call for Registration and Participation

Course Organizer:
Dr. Neelam J Gupta
Principal Scientist & Head
(Information Liaison and Training)

Course Coordinator:
Dr. P.S. Prasad
Sr. Principal Scientist & Head
(Geotechnical Engineering Division)

Organised by:

सीएसआईआर-केंद्रीय सड़क अनुसंधान संस्थान
CSIR-CENTRAL ROAD RESEARCH INSTITUTE
(वैज्ञानिक और औद्योगिक अनुसंधान परिषद)
(Council of Scientific and Industrial Research)
दिल्ली - मथुरा रोड, नई दिल्ली – 110025, भारत
DELHI – MATHURA ROAD, NEW DELHI – 110025, INDIA
CSIR-CRRI TRAINING PROGRAMME ON

GEOTECHNICAL AND LANDSLIDE INVESTIGATIONS
FOR HIGHWAY PROJECTS

DURATION: 17 – 21 August 2020 (5 days)

OBJECTIVES:
Training course will cover the introduction to landslide classification, impact of landslide with
specific focus upon properties of rock & soil types involved in mass movement, role of
geological discontinuities, landslide investigation, GIS application, use of software in landslide
analysis, stability analysis and designing of remedial / control measures, landslide
instrumentation, visit to lab and demonstration of lab testing.

COURSE CONTENTS:
The course will cover basic geotechnical properties of soil, quality control aspects of
embankment fill materials, the use of software in the analysis of slopes, utility of geo-
synthetic materials, reinforced earth wall and soil nailing, ground improvement
techniques and investigation, monitoring of landslides and remedial measures. Following themes will be covered in this training programme:

* Compaction ,Consolidation & Shear Strength characteristics of soils
* Earthwork for embankments, quality control specifications for subgrade, sub base
  and base construction
* Slope stability analysis
* Geosynthetics and soil reinforcement
* Sub-soil exploration and in-situ testing
* Ground improvement techniques
* Geological, Geotechnical and Geomorphological investigation of land slides
* Landslide hazard potential analysis
* Correction methods for landslides and other mass movements
* Rockfall mitigation & management
* Forensic Geotechnical Case Studies

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

ELIGIBILITY CRITERION:
Qualification: Degree / Diploma in Engineering
Level: Assistant Engineer and above
Experience: Two years and above in Road Construction activities

HOW TO APPLY:
Application for nomination to a course should be made in the prescribed application
form given on our website. A separate application form should be used for each training
courses. Nominations may also be sent through email.
SELECTION OF PARTICIPANTS AND INTIMATION:
Generally, CRRI accept nominations of 30 participants only. The selection will be on first come first served basis among eligible applicants. The confirmation will be sent after receiving complete details of participant. The selected applicant will be informed about his/her selection through e-mail. For other queries contact to Dr. Neelam J. Gupta, Course Organizer (as given below) or email headlit.crri@gmail.com.

COURSE FEE:
The training fee for on-campus trainings is Rs.18,000/- + 18% GST per participant. All payments are to be made in advance through e-transfer to the bank account details given below. This includes training registration fee and the study material to be provided during the training.

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ACCOMMODATION:
Limited Guest house/hostel accommodation within the campus is available (on payment basis) for outstation participants on request. Institute canteen facilities are available at reasonable rates. The Guest house/hostel charges for trainees are as given below:

- Rs. 300/- per person per day for Indian Nationals;
- Rs. 1,000/- per person per day for participants from SAARC countries;
- Rs. 1,500/- per person per day for participants from other countries.

ABOUT CRRI:
The Central Road Research Institute (CRRI), New Delhi is located on Delhi-Mathura Road after Sukhdev Vihar Depot 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 CRRI 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 customised & regular training programmes. Over the years, more than 25,000 engineers have availed the training facilities. Presently, CRRI is conducting 10 regular training programmes of varying duration to suit the requirements of different levels of engineers. Participants to these training programmes are drawn from MoRTH, PWD, CPWD, BRO, Public Sector Undertakings, Town Planning, Traffic Engineering Agencies, Commercial Units, Traffic Police Department, Private Consultants and Individuals.
SPECIAL PROGRAMME:
Besides regular training programme, customized training programmes are also being organised on request to cater the needs of user organizations.

FOR MORE INFORMATION CONTACT:

Course Organizer:
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