

OFFICE OF THE CHIEF ENGINEER
LOCAL SELF GOVERNMENT DEPARTMENT
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No.DB4/281/09/CE/LSGD

Dated : 07.12.2013

CIRCULAR

The Engineers (Assistant Engineers, Assistant Executive Engineers, Executive Engineer, Superintending Engineers) of LSGD can participate in the workshop & Technical Exhibition on "Recent Trends in Pavement Condition Evaluation & Construction" conducted by College of Engineering, Trivandrum (CET) between 17th to 19th December 2013, at CET Campus. The interested persons may directly apply with a recommendation of their superiors to the coordinator, CET. A copy of the same may be submitted to the Chief Engineer, LSGD. Those who participated in the workshop held on November 21-23 at PWD, Rest House are not advised to participate in this program.

No accommodation will be provided to the participants. But participants are eligible for TA/DA as per rules. The brochure of the workshop is attached along with this.


Chief Engineer

Declaration

The information furnished above is true to the best of my knowledge. I agree to abide by the rules and regulations governing the symposium. If selected, I shall attend the symposium completely. I also undertake the responsibility to inform the co-ordinator sufficiently in advance, in case I am unable to attend the symposium.

Place:

Date:

Applicant's Signature

Resource Persons

Prof. A .Veeraragavan, Professor in Civil Engineering, IIT Madras

Sh. U K Guru Vittal, Sr. Principal Scientist,
CSIR-Central Road Research Institute, New Delhi

Sh. K Sitaram Anjanyelu, Sr. Principal Scientist,
CSIR-Central Road Research Institute, New Delhi

Talks from various industries

How to Apply

Registration for the Workshop is free of cost. Applications in the attached form or duly recommended by the Head of the Organisation should reach the coordinators on or before **December 13th 2013**. Number of Participants is limited to 150. Registration will be confirmed based on the first come first serve basis.

Workshop and Technical Exhibition

on

“Recent Trends in Pavement Condition Evaluation and Construction”

17th – 19th December 2013



Organized by

Transportation Research Center

Department of Civil Engineering

College of Engineering

Trivandrum

in association with

Kerala Highway Research Institute

Details of Coordinators

Dr. R. Priya

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Introduction

The College of Engineering, Trivandrum was established in 1939 as the first Engineering College in the then Travancore State. The institution has achieved a steadfast growth over the years and acquired the status of premiere technical institution in Kerala. In order to give research activities in the field of transportation engineering, Transport Research Center was established.

About TRC

The Transport Engineering Research Centre (TRC) was instituted at the Transportation Division, Dept. of Civil Engineering, College of Engineering, Trivandrum in March 2012 with the intention of contributing its academic and research output to offer 'better roads for the public of Kerala'. It aspires at joining hand in hand with the practicing engineers for planning, designing and building better roads and managing it efficiently throughout the service life.

About the Training Programme

Rapid industrialization and technological progress have led to the unprecedented growth and development in the equipments for testing, mix designs, pavement construction, maintenance, quality control and condition

assessment. The quality and extends the lifetime of our pavement systems can be obtained through effective testing, design, construction and maintenance. Hence, the pavement engineer should be able to

- Ensure the quality and sustainability of your pavement systems
- Avoid disastrous consequences from discontinuities, cracks or low skid resistance by implementing the correct design and materials
- Design and maintain flexible and rigid pavements – including streets and highways – through our advanced pavement engineering techniques

The growing amount of equipments in this field has triggered the need for selecting the appropriate one for the best management practices for the pavement construction industry. The training programme cum technical exhibition is meant to disseminate the recent advancements testing and construction equipment in the field pavement construction and maintain and quality assurance during construction.

Theme of Technical exhibition and technical talks are scheduled to be in six sessions which cover the following themes

- Trends in sub – grade soil property testing and improvement
- Pavement material- HMA testing and inspection equipments
- Pavement construction and quality control techniques
- Equipments for asset management and performance measures
- Traffic engineering – safety systems
- Data collection and transfer technologies

Resource Persons

Resources persons include renowned experts in Pavement Engineering from Technical Education Sector and experts from industry or manufactures

Objectives

- ❖ Familiarize recent equipments for determining bitumen properties and aggregate testing
- ❖ Effective management of transportation assets
- ❖ To introduce new technologies in pavement evaluation and assessment of pavement condition
- ❖ To study the need and techniques for pavement preservation

Expected Audience

- Administrators at all levels of state and highway agencies
- Pavement and asset management professionals
- Organizations that construct and maintain pavements and those who provide services for collecting and analyzing data
- Educators in the transportation field/academic institutions
- Researchers/specialists

1. Name:

2. (a) Date of Birth: (b) Gender: M / F

3. Designation:

4. Institution/Department:

5. Address for Communication:

6. Phone: (O) (R)

Mobile No.:

7. E-mail address:

8. Educational Qualifications:

9. Area of Specialization/interest:

10. Years of experience:

Teaching: Industry:

Date:

Place : Applicant's Signature

Recent Trends in Pavement condition evaluation and construction									
Day 1 17/12/2013									
9.00-10.30	10.30-11.00	11.00-11.45	11.50-12.30	12.30 - 1.45	1.45-2.45	2.45-3.05	3.10-3.30	3.30-3.50	3.50-4.50
Inauguration	Tea break	Geotechnical Engineering Aspects of Highway Construction) Sh. U.K. Guru Vittal Sr.Principal Scientist CRRI	Ground modification for highway application Dr. K Balan	Lunch Break/(for lunch & to visit the technical exhibition stall)	– Recent case Studies Sh. U.K. Guru Vittal Sr. Principal Scientist CRRI	Tech Fab Application of Geo textiles in soil stabilization	RBI-81- Industries subgrade soil stabilization	Tea break	Recycling of asphalt pavements for sustainable Infrastructure development Prof. A.Veeraragavan IIT, Madras

Day 2 18/12/2013

9.00-10.00	10.00-10.30	10.30-10.45	10.50-11.10	11.10 - 11.30	11.40 - 12.45	12.45-2.00	2.00-2.30	2.30-3.00	3.00-3.20	3.20-3.40	3.40-4.00	4.00-4.20	4.30 - 5.00
Recent Pavement Construction and Maintenance Techniques Sh.Sitharaman CRRI	Hot mix asphalt plants and Road paver finisher (appollo industries)	Application of Coir Geotextiles in Pavement Construction Coir Board	Tea Break	Warm mix asphalt (Sasobit) KPL International, New Delhi	Pavement Quality Control Sh.Sitharaman CRRI	Lunch Break/(for lunch & to visit the technical exhibition stall)	Quality measures on concrete technology and types of equipments used for quality tests by Er. Anil Kumar Pillai Ramco cements	Ultra thin white Topping	Brookfield Viscometer	Tea break	Terrazyme Soil stabilisation	AIMIL Not responded	

Day 3 19/12/2013

9.00-10.00	10.00-10.30	10.30-10.50	10.50-11.10	11.10-11.40	11.40-12.45	12.45-2.00	2.00-2.30	2.30-3.00	3.00-3.20	Valedictory 3.20-4.30
Importance of drainage in pavement (Surface and sub surface drainage)	Construction of Drains	Traffic Safety devices-3M	Tea Break	Equipment For pavement condition evaluation - Teisei International	Talk PWD	Lunch Break/(for lunch & to visit the technical exhibition stall)	MoRTH specifications	Professional ethics	Tea break	