

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

Dated : 12.12.2013

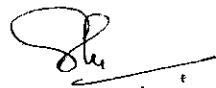
**CIRCULAR**

In continuation of the Circular No. DB4/281/2009/CE/LSGD dated 07.12.2013, College of Engineering, Thrivananthapuram (CET) has informed that only ~~few~~<sup>few</sup> applications were received for participation for the training on 17-19 December 2013. Hence those interested Engineers, including those participated ~~to~~<sup>in</sup> the previous workshop held on 17<sup>th</sup> to 19<sup>th</sup> November 2013, without affecting the office work, may apply or sent their willingness directly to CET with a copy to Chief Engineer, LSGD. The request may be sent to the following e-mail IDs.

- 1) Priya\_ajilal@yahoo.com
- 2) anilraghunathan@rediffmail.com

Sd/-  
Chief Engineer

Approved for issue



Executive 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

## **Details of Coordinators**

### **Dr. R. Priya**

Email: priyaramakrishnan0@gmail.com,

priya\_ajilal@yahoo.co.in

ph: 0471-2515619, Mob : 8547028697

Ph: 0471-2515560

### **Smt. Shemy S Babu**

shemysbabu@yahoo.co.in

Mob: 9497785545

## ***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 13<sup>th</sup> 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”**

**17<sup>th</sup> – 19<sup>th</sup> December 2013**



Organized by

**Transportation Research Center**

**Department of Civil Engineering**

**College of Engineering**

**Trivandrum**

in association with

**Kerala Highway Research Institute**

## ***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

<b>Recent Trends in Pavement condition evaluation and construction</b>									
<b>Day 1 17/12/2013</b>									
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)  <b>Sh. U.K. Guru Vittal Sr.Principal Scientist CRRI</b>	Ground modification for highway application  <b>Dr. K Balan</b>	Lunch Break/(for lunch & to visit the technical exhibition stall)	– Recent case Studies  <b>Sh. U.K. Guru Vittal Sr. Principal Scientist CRRI</b>	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  <b>Prof. A Veeraragavan IIT, Madras</b>

**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 <b>Sh.Sitharaman CRRI</b>	Hot mix asphalt plants and Road paver finisher (apollo industries)	Application of Coir Geotextiles in Pavement Construction Coir Board	Tea Break	Warm mix asphalt (Sasobit) <b>KPL International, New Delhi</b>	Pavement Quality Control  <b>Sh.Sitharaman CRRI</b>	Lunch Break/(for lunch & to visit the technical exhibition stall)	Quality measures on concrete technology and types of equipments used for quality tests <b>by Er. Anil Kumar Pillai Ramco cements</b>	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	