KSCSTE - NATIONAL TRANSPORTATION PLANNING AND RESEARCH CENTRE
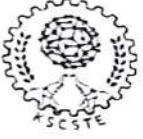
(An Institution of Kerala State Council for Science, Technology & Environment)
K. Karunakaran Transpark, Akkulam, Thuruvikkal P.O
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Website: www.natpac.kerala.gov.in, Phone: 0471 – 2779200

Prof. (Dr.) Samson Mathew
(Professor of Civil Engineering, NIT Tiruchirappalli)
Director

E-mail: director.natpac@kerala.gov.in
Phone: +91 9443176759

NATPAC/375/2022

26.04.2023

Chief Engineer
LID&EW, Local Self Government Department
5th Floor, Swaraj Bhavan
Nanthancode, Kowdiar P.O
Thiruvananthapuram

Dear Sir/Madam,

Sub: Two-Day Workshop on "Full Depth Reclamation Technology" on 4th and 5th May 2023 at Ernakulam – Invitation to participate – Reg.

Greetings from KSCSTE-NATPAC!

KSCSTE – National Transportation Planning and Research Centre (NATPAC) in association with Kerala Infrastructure Investment Fund Board (KIIFB) is organizing a Two-day Workshop on *Full Depth Reclamation Technology* on 4th and 5th May 2023 at Ernakulam.

Full Depth Reclamation (FDR) technology is a recycling method where the bituminous pavement layers and the underlying granular materials to create a new stabilized base layer. The use of FDR technology in Kerala will reduce the consumption of virgin materials, thereby making the pavement construction sustainable.

The workshop intends to provide a platform for discussion on the concepts, issues, skill development and possible innovations on FDR technology. This workshop aims to bring the best technical minds to share their expertise in the field of FDR Technology. This programme is targeted primarily for practising engineers, academicians, researchers, and industrialists.

It is requested to depute maximum number of delegates from your department (preferably not less than 25 Nos.) to attend this two-day workshop. There is no registration fee for the workshop. However, the delegates are requested to make suitable arrangements for travel and accommodation.

The delegates are requested to register through the link https://tinyurl.com/mryc5n3a. The brochure for the workshop is enclosed herewith. For further information, please feel free to contact Shri. Sanjay Kumar V.S., Principal Scientist, KSCSTE – NATPAC (9447156794).

Thanking you

DIRECTOR

Encl: Brochure for the Workshop

KSCSTE-NATPAC

National Transportation Planning and Research Centre (NATPAC), an institution under Kerala State Council for Science, Technology and Environment (KSCSTE), is a premier R & D centre in the country which works on a multi-modal system of transportation. The Centre has headquarters at Thiruvananthapuram and regional offices at Ernakulam and Kozhikode. Since its inception in 1976, the Centre has been offering solutions to the Government and handles research and consultancy projects as per the Country/States requirements in the arena of Highway Engineering, Traffic & Transportation Planning, Road Safety, Transport Economics & Management, Techno-Economic Feasibility, Public Transportation, Socioeconomic Impact Analysis, Transport Energy & Pollution, Water Transportation, Innovative Transport Systems, etc.

KIIFB

Kerala Infrastructure Investment Fund Board (KIIFB) was established as the principal funding arm of Government of Kerala on 11 November 1999 by the Kerala Infrastructure Investment Fund Act 1999. With the expanded scope and structure amended and enacted in 2016, KIIFB is now mobilizing and channeling funds for facilitating planned, hassle-free and sustainable development of both physical and social infrastructure including major land acquisition needs that are integral to development ensuring all round wellbeing and prosperity, using financial instruments approved by Securities & Exchange Board of India and Reserve Bank of India for the state of Kerala.

FULL DEPTH RECLAMATION

Pavement recycling is gaining popularity due to the various benefits associated with it, including economical savings, waste reduction, and more importantly reduced requirement of natural resources. Full-Depth Reclamation (FDR) is a type of pavement recycling method, in which the whole asphalt pavement can be restored. FDR can be defined as a recycling method where all the asphalt pavement section and a predetermined amount of underlying base material are treated to produce a stabilized base course. It is a cold mix recycling process in which different types of additives such as asphalt emulsions, cement, fly ash, lime, etc., are added to obtain the improved base course. The main steps involved in this process are pulverization, the introduction of additives, compaction and application of a surface or a wearing course. New materials can also be added to the in-place material to obtain a particular gradation of material and for keeping the desired thickness.
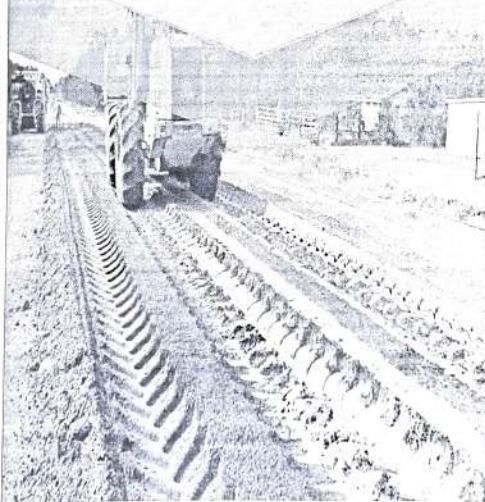
Two-Day Workshop On

FULL DEPTH RECLAMATION TECHNOLOGY
May 4-5, 2023

Organized by

KSCSTE - National Transportation Planning and Research Centre (NATPAC)

natpac
KSCSTE - NATPAC

In association with
Kerala Infrastructure Investment Fund Board (KIIFB)

KIIFB

ABOUT THE WORKSHOP

The Two-Day Workshop on "Full-Depth Reclamation" provides a forum for discussion on Full-Depth Reclamation (FDR), concepts, issues, skill development and possible innovations in the road construction sector. The Two-Day event provides a forum for discussion on Full Depth Reclamation (FDR) Technology and its concepts, issues, skill development and possible innovations in the road construction sector for practicing engineers. The workshop aims at bringing the best technical minds working in the field of FDR technology onto a common platform to share their expertise, experience, and challenges for the development of infrastructure in the country.

RESOURCE PERSONS

The professionals from IITs/NITs, Central and State Government Departments and Industries who have expertise in FDR technology are the resource persons for this programme.

PARTICIPANTS

The programme is designed primarily for practicing engineers, academicians, researchers and postgraduate students working in the area of pavement design and construction

REGISTRATION

Registration is free for all the participants.

LODGING AND BOARDING

Participants are requested to arrange their own suitable lodging facilities.

CALL FOR SPONSORS

The workshop provides an opportunity for interaction among various stakeholders including, policymakers, academicians, professionals, government agencies, educational institutions, industries, etc. Sponsorship with the following tariff is invited:

Type of Sponsor	Sponsorship (INR)	Benefits
Platinum	2,00,000	Exhibition stall (3m*3m – 2 Units), Presentation slot for 20 minutes and registration for 5 delegates
Diamond	1,00,000	Exhibition stall (3m*3m), Presentation slot for 10 minutes and registration for 3 delegates
Gold	50,000	Exhibition stall (3m*3m) and registration for 2 delegates
Silver	25,000	Exhibition stall (2m*2m) and registration for 2 delegates

RESOURCE PERSONS

1. Prof. (Dr.) A. Veeraragavan, IIT Madras,

2. Dr. I. K. Pateriya, NRIDA

3. Shri U. K. Guruvittal, CSIR-CRRI

4. Dr. Syam Nair, IIT Kanpur

5. Dr. Anjan Kumar S, IIT Guwahati

6. Dr. Mrs. Ambika Behl, CSIR – CRRI

7. Dr. Vishnu R, NIT Warangal

COURSE CONTENTS

- Introduction to FDR Technology
- Mix Design and Economics
- Role of Additives in FDR
- Construction and Quality Control
- Introduction to FDR Equipment
- Implementation Issues & Lessons Learnt
- FDR for Low-Volume Roads
- Evaluation and Performance Prediction
- Issues and Challenges
- Open Forum

ADDRESS FOR CORRESPONDENCE

Director
KSCSTE - NATPAC
K.Karunakaran Transpark, Akkulam, Thuruvikkal (PO), Thiruvananthapuram, 695 011, Kerala.
Phone: + 91 471 – 2779200
E- mail: contactus.natpac@kerala.gov.in

Endt. No: E14/4513/2018 (DBS)/CE/LID &EW dt 28/4/23.

ടി. കത്തിൽ പരാമർശിക്കപ്പെട്ടിട്ടുള്ള Two-day Workshop-ൽ വങ്കെടുക്കാൻ താത്പര്യമുള്ള എഞ്ചിനീയർമാർ, കത്തിൽ നൽകിയിട്ടുള്ള Link മുഖേന രജിസ്റ്റർ ചെയ്യേണ്ടതും. ചീഫ് എഞ്ചിനീയറുടെ വെബ്സൈറ്റിൽ പ്രസിദ്ധീകരിച്ചിട്ടുള്ള പ്രൊഫോർമ F-1221, 3ദിവസത്തിനകം പൂരിപ്പിച്ച് സമർപ്പിക്കോണ്ടതുമാണ്. [മെയ് 4,5 തിയതികളിൽ ശുചിത്വമിഷന്റെ നേതൃത്വത്തിൽ തൃശൂർ കിലയിൽ വച്ച് നടത്തപ്പെടുന്ന പരിശീലനപരി-പാടിയിലേക്ക് select ചെയ്യപ്പെട്ടവർ ഈ workshop-ന് രജിസ്റ്റർ ചെയ്യേണ്ടതില്ല] സമീപജില്ലകളിലുള്ളവർക്ക് മുൻഗണന നൽകുന്നതാണ്.

ചീഫ് എഞ്ചിനീയർ.

Pro-forma F-1221