

NOTICE

Online training on **Plant and Machinery for Roads & Bridges and** **Innovative Construction Practices for Sustainable** **Future**

01.03.2021 to 05.03-2021

- An online training on Plant and Machinery has been scheduled for the Engineers of Roads and Bridges wing of PWD .
- The training has been arranged through Institution of Engineers (India) on Google meet platform as five Half Day sessions from 1st to 5th March 2021, (Time:10.00 AM - 1.30 PM).
- All the interested Engineers of PWD may please email their details (Name, Designation, Office Address, PEN , Email id and mob. no.) through controlling officer to HRD Cell.
- **Email id: pwdhrd@gmail.com**
- **Last date : 20.02.2021**
- Copy of Schedule attached.

Chief Engineer
Admn.

Copy to

- **IT Cell, to publish in the website.**
- **All Roads/NH / Bridges Circle offices/ KSTP /RM/RI&QC/Buildings- for circulation.**
- **Preference will be given for Field Engineers working in Road and Bridge sectors,Engineers working in QC.**

IEI- PWD- Training Programme

Plant and Machinery – Roads and Bridges

5 Day (1/2 Day) Program

1st to 5th March 2021

Daily Program Timings (1/2 Day Program)

- 9:45 am Online platform opens.
- **Session 1:** - 10:00 to 11:30 am (1.5 hour)
- 11.30 to 11:40 - interim break for 10 minutes
- **Session 2:** - 11:40 am to 1 :10 pm (1.5 Hour)
- 01:10 Pm to 1 :30 pm – Interaction
- Program Complete for the day

Day 1: (March 1st 2021 Monday) - Speaker - Mr. P Arjunraj, Technical Innovation and VAVE Consultant, Bangalore

Plant and Machineries - Roads and Bridges (By IEI)	Time(min)
Integrated Stone Crusher(Jaw and Cone type)	15
Dozer	10
Hydraulic Excavator	10
Front end loader/Back Hoe	10
Tippers	10
Water Tanker	5
Tractor Trolley ,Ripper, Rotovator	5
Jack Hammer	5
Air Compressor	10
Generator	10
Smooth Wheeled Roller	15
Vibratory Roller	15
Pneumatic Roller	5
Tandem Roller	15
Sheep foot Rollers	5
Other Rollers	5
Mini Tandem Roller	5
Other Minor Plant and Machines	10
Interaction	15
Total	180

Day 2: (March 2nd 2021 Tuesday) – Speakers – A Team of Professional Experts headed by Mr. Cherian Varkey

Plant and Machineries - Roads and Bridges (By IEI)	Time(min)
Mechanical Broom	5
Bitumen/Emulsion Pressure Distributor	5
Bitumen Boiler (Oil fed)	5

Mobile Slurry Seal Equipment	5
GSB Plant	5
Wet Mix Plant&Motor Grader	10
Hot Mix Plant (Drum & Batch mix type)	35
Paver finisher (Mechanical and Sensor types). Pavement construction machinery & prefabricated vertical drain installing equipments-PVD Driving machine	20
Mastic Cooker	5
Pot Hole Repairing Machine	5
Road Marking Machine	5
Milling Machine	5
Cold in Situ recycling of bitumen's pavement with foam bitumen technology	15
In situ stabilisation of WMM/GSB/Sub grade	10
Cement spreader	5
Mobile cold recycling mixing plant	10
Hot in place recycling	10
Pre heater unit for hot in place recycling	5
Interaction	15
Total	180

Day 3: (March 3rd 2021 Wednesday) – Dr. Anil Joseph, MD, Geo Structurals Pvt Ltd, Kochi

Plant and Machineries - Roads and Bridges (By IEI)	Time(min)
Concrete Mixer	10
Concrete Batching and Mixing Plant	20
Mobile Concrete Batching and Mixing Plant	5
Bar Bending and cutting Machines	5
Joint Cutting Machines	5
Sawing and Planing Machines	5
Concrete curing (all types) and texturing machines	10
Transit Mixers	10
Fixed Form and Slip Form Pavers	25
Dumbers	5
Plate and Surface Compactors	10
Needle, Screed and other type Vibrators	10
Grouting Machines	5
Shotcrete machines	5
Epoxy Injection Gun	5
Kerb Casting Machines	5
Sand blasting equipment's	5
Welding equipment's	5
Painting guns	5
Plate Shearing Machine	5
Different fork type lifting machines	5
Interaction	15
	180

Day 4 (March 4th 2021 Thursday) - Speakers – A Team of Professional Experts headed by Mr. Cherian Varkey

Plant and Machineries - Roads and Bridges (By IEI)	Time(min)
Cranes (All types)	20
Rotating Telehandlers	5
Pumps and Concrete pumps	15
Concrete buckets, Tremie pipes etc	10
Strands roller and cutting machinery	5
Prestressing Jack, Pump and Accessories	20
Vibratory Pile driving machines	15
Piling Rigs with bentonite pump of all types	25
Pile breakers	5
Hydraulic Rock bolt drill	5
Different boom hydraulic drill jumbo	10
Suction jetting machine	5
Other Minor Plant and Machines	10
Well sinking equipment's	15
Interaction	15
Total	180

Day 5: (March 5th 2021 Friday) – Mr. Sankar Menon, SEED Academy, Kochi

Infrastructure Development & Buildings (By SEED)	Time(min)
Basic principles of sustainable energy efficient design Related to Construction Industry	120
Total	120