

Technology Initiative Guidelines

Srl No	Product & Manufacturer	Name of Technology	Name of Project/Road
1	Rubber Mats M/s Eco-Flex Recycled Rubber Solution	It is recycled Rubber solution for making Roads in difficult areas. It is a sort of rubber mat of thickness around 0.5 to 1.5 inches and comes in different sizes to be laid directly on the subgrade or sinking or difficult terrain and vehicles and equipment can be directly passed over it . It can be transported and laid directly .It can be used for airfield and helipad. It is ideal for strengthening of gravel road.	NCNC Trial carried out in Project Deepak, R/Tunnel & Beacon. Performance found satisfactory.MDEG Board of Officer has been approved.A Multi Disciplinary Expert Group (MDEG) proposed to introduce Recycled Rubber Pads in Project Beacon
2	ZeoCrete Technology M/s. LongYea E-solution Pvt. Ltd.	Zeo Crete Soil Stabilizer is a Cementitious Binder Powder Admixture.	Trial Carried out on Manali-Sarchu Road. Performance found satisfactory.MDEG Board of Officer has been approved.A Multi Disciplinary Expert Group (MDEG) proposed to introduce ZeoCrete Soil Stabilizer in Project Dantak. The materials is now under use on Road Damchu-Chukha in Bhutan Project Dantak.
3	Maccaferri Environmental Solution Pvt Ltd	Use of "Geogrid slope protectio and Reinforced Earthen Wall" inBRO by Maccaferri Enviornmental Solution Pvt Ltd	NCNC Trial carried out in Project Rohtang Tunnel. Performance found satisfactory.MDEG Board of Officer has been approved Multidisciplinary Expert Group (MDEG) proposed to introduce Product in Project Rohtang Tunnel.Trial under process
4	Genesys Lidar Solutions	Use of Lidar Technology for Survey and preparation of DPR in BRO byGenesys Lidar Solutions	NCNC Trial carried out in Project Dantak. Performance found satisfactory. MDEG Board of Officer has been approved.A Multidisciplinary Expert Group (MDEG) proposed to introduce Product in Project Dantak.
5	A R Thermosets Pvt Ltd	Use of "Cold mix Technology with tailor made high performance polymer modified bitumen emulsion" in BRO byA R Thermosets Pvt Ltd	NCNC Trial carried out in Project Himank. Performance found satisfactory. MDEG Board of Officer has been approved. A Multi disciplinary Expert Group (MDEG) proposed to introduce Product in Project Himank.
6	Power Cem Soil Stabilizer M/s Power Cem Technology	Stabilizes all types of soil : clay ,peat, sand and sludge. Increases strength and create flexible cement bond materials	Convening order for trial by MDEG ordered on 06 May 2015 vide No 10434/CO/DGBR/116/Coord E. A Multi Disciplinary Expert Group (MDEG) proposed to introduce Power Cem soil Stabilizer in Project Vartak.Trial under process.

7	RBI- Grade 81 M/s. Alchemist Technology Ltd	The firm deals in the product RBI grade 81 which is a soil stabilizer . It is an environment friendly , inorganic, hydration activated powder based stabilizer that reacts with soil particles to create layers that are interconnected through a complex interparticle framework. The clay, silt and sand can be stabilized by using this product.	Convening order for trial by MDEG ordered on 06 May 2015 vide No 10434/CO/DGBR/117/Coord E.Trial Carried out in Project Sampark & Pushpak. A Multidisciplinary Expert Group (MDEG) proposed to introduce RBI-81 Soil stabilizer in Project Swastik.Trial under process
8	Zydex Soil Stabilizer M/s Zydex Industries.	TerraSil a Organo - Silane Nano technology additive. TerraSil is water-soluble, ultra violet and heat stable, reactive soil modifier with the ability to retain strength of Road bases and resistance to deformation.TerraSil can reduction in water permeability and soil expansivity.TerraSil Soil Stabilization and Moisture Resistance with Multilayer Waterproofing.The soil modifier technology enhance service life of Roads and cost effective in areas having poor soil, longer leads of aggregates.	Convening order for trial by MDEG ordered on 06 May 2015 vide No 10434/CO/DGBR/118/Coord E.A Multidisciplinary Expert Group (MDEG) proposed to introduce Zydex Soil Stabilizer in Project Pushpak.Trial under process
9	EvoCrete Soil Stabilizer Infracrete Soil tech Private Limited	The Evocrete soil stabilization and cement modification system modifies the interactions between water , cement and soil and /or construction waste. It creates Physical changes allowing the soil and / or concrete waste to be compacted so that densities increase and moisture decreases	Convening order for trial by MDEG ordered on 06 May 2015 vide No 10434/CO/DGBR/119/Coord E.A Multi Disciplinary Expert Group (MDEG) proposed to introduce EvoCrete Soil stabilizer in Project Deepak.Trial under process
10	Enviro Base soils	Enviro Base soils a proven unique patented blend of organic and inorganic compounds . Uses water as a carrier to evenly spread and bond soil particles forming a durable , exceptionally strong road bases for both paved and unpaved roads	Convening order for trial by MDEG ordered on 06 May 2015 vide No 10434/CO/DGBR/120/Coord E.A Multi Disciplinary Expert Group (MDEG) proposed to introduce Enviro Base soils in Project Shivalik.Trial under process
11	Road stabs Soil Stabilizer M/S Road Stab Technologies Pvt . Ltd.	Road stab is in liquid form which helps to make homogeneous mix . It is developed and meant for Harsh Russian climate with heavy rain fall. This just a repetition of Physical -Chemical process of formation of Rock naturally	Convening order for trial by MDEG ordered on 06 May 2015 vide No 10434/CO/DGBR/121/Coord E.A Multidisciplinary Expert Group (MDEG) proposed to introduce Road stabs Soil Stabilizer in Project Beacon.Trial under process
12	M/s Enzyme Infra Pvt Ltd	EN-1 Used for extensive roads rehabilitation as well as new roads construction , EN-2 for Low Cost Housing EN-3 solution for Recycling of waste materials including fly ash , quarry waste product etc , EN-1000 cold asphalt based polymer modified bitumen EN-2000 Asphalt rejuventing -top layer Seal coating	Convening order for trial by MDEG ordered on 06 May 2015 vide No 10434/CO/DGBR/113/Coord E. A Multidisciplinary Expert Group (MDEG) proposed to introduce Product in Project Himank.Trial under process.