

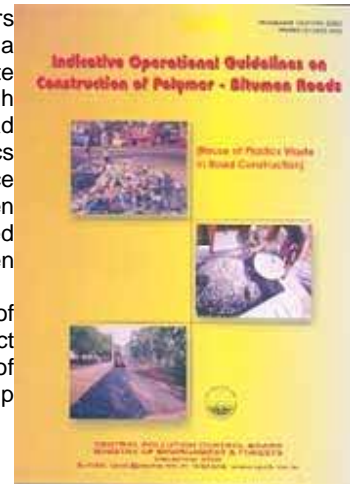
Indicative Operational Guidelines On Construction Of Polymer - Bitumen Roads

Foreword

Waste plastics are available in plenty. It is observed that these polymers undergo softening between 100 to 140°C. The softened plastic has a binding property. When the molten plastics are mixed with granite aggregate and compacted, they form a hard mass with very high compressive and flexural strength. Use of these materials in flexible road construction can help in many ways including easy disposal of plastics waste, better road strength, prevention of pollution and bitumen resource conservation. Thiagarajar College of Engineering, Madurai has undertaken this collaborative study for compilation of the information and prepared "Indicative Operational Guidelines on Construction of Polymer -Bitumen Roads".

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