



COST EFFECTIVE TECHNOLOGY IN DESIGN OF PAVEMENTS FOR LOW TRAFFICKED ROADS

¹ Ashish Kumar Agrawal, ² Ajit Singh

¹ Research Scholar, Department of Civil Engineering, CBS Group of Institutions

² Assistant Professor, Department of Civil Engineering, CBS Group of Institutions

ABSTRACT: Rajasthan, area wise (342,239 sq. km) is the biggest state of the country. It has a population of 68.6 million and located in the Western region. Rajasthan is lagging in many key socio-economic indicators and is one of the low income states. Rajasthan stands at 17th place out of 29 states of the country in terms of the Human Development Index. About 75 percent of the state's population is rural and mainly depends on agriculture for its livelihood. The state has good potential for growth in agriculture and agro-based industries, mining, minerals processing, tourism, handicrafts and cottage industries. The state's potential is underutilized due to inadequate road infrastructure and market linkages. The need for high quality road infrastructure is recognized to exploit the state's potential and resources. Rajasthan has a state road network of 193,017 km including 7,260 km National Highways (NH), 10,953 km State Highways (SH), 9,900 km Major District Roads (MDR), 25,033 km Other District Roads (ODR) and 139,871 km village roads (VR).

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In recent years Rajasthan has made remarkable progress with developing its rural roads under PMGSY. The eligible criteria in PMGSY are to connect habitation of population up to 500 and for desert and tribal areas to connect habitation population up to 250. Initially the Rajasthan has adopted village as habitation due lack of population survey of each habitation of base year 2001. According to village connectivity the Rajasthan has achieved about 80% of total village as per census of 2001. As part of Innovative initiative In PMGSY, GoR selected 11 villages roads in 5 districts for construction of roads using new / Cost Effective Technology (CET), local available materials and environment friendly.

To meet the objective, the latest research work available in India and practices being followed

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