

Design of Flexible Pavements for Coal Mine Area

The mining industries require good road network to facilitate smooth movement of mining machines, dozers, excavators, haul trucks etc. which is essential to maximise the production with increased efficiency in handling the activities. Haul roads used for carrying overburden materials and roads for transportation of coal need to be upgraded. CRRI has the capability to design flexible pavement in mining areas which are subjected to heavy load dumpers and cranes.

The design of flexible pavement consists essentially of two steps:

- (i) Development of relationship between Equivalent single wheel load (ESWL) and depth of construction for different values of C.B.R.
- (ii) Development of CBR Curves for Design of Flexible Pavement for heavy Payload Capacity Dumpers/cranes etc.

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