

Abstract Details

Title: Design & Estimate for Six Laning of Gurgaon-Jaipur Section from Km 25+000 to Km 40+000

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Abstract: The National Highways are the main highways running through the length and breadth of the country connecting major parts, foreign highways, state capitals, large industrial and tourist centres etc. The National Highway no. 8 connecting the two metro cities (The Capital of India) and Mumbai (The Capital of Maharashtra) and passing through major cities like Gurgaon, Jaipur, Ajmer, Udaipur, Ahemadabad, Vadodara and Surat enroute. The Detailed design for upgrading the existing Four lane highway into Six lane highway from Km. 25+000 to Km. 40+000 (15km length) in between Gurgaon and Jaipur has been studied. The design is based on the Specification and Standard given in the “Manual for Six Laning of National Highways, IRC SP: 87-2013” other relevant IRC codes and technical, traffic data was collected to estimate the design traffic volume for use in Pavement design. The Quantity surveying is done to calculate quantities of road construction items like Earth works, Sub- base course, Base course and Bituminous items as indicated in the “Good for Construction” drawing. Estimating is done by multiplying the quantities for each item rates given in “Schedule of Rates”, PWD Haryana.

Keywords: Six Laning, Gurgaon, Jaipur.