

ALTERNATIVE ANALYSIS

The project road starts from KA/TN border on NH-209 (Existing Km 266.530) to Near Attagulipura (Existing Km 287.520). The existing length of the project road is 20.990 kms. The existing road alignment mainly passes through Sathyamangalam Tiger Reserve.

The proposed alignment follows existing road without compromising the safety and technical aspects and in Sathyamangalam Tiger Reserve as shown in figure below. Any other alternative chosen for the project shall involve acquisition of more private, government lands causing more environmental impacts.

Table : Alternative Analysis

Parameters	Through Existing	Alternate Option (Partly Existing & Partly Realignment)
Length of Alignment (Km)	24.26	22.351
Utilizing Existing Length (Km)	24.26	13.951
Length of Greenfield (Km)	Nil	8.400
Terrain	Rolling and Mountainous	Rolling and Mountainous
Speed	25-40 kmph	40-100 kmph
No of curves	116	64
Proposed ROW (m)	12	12m ROW for length of 13.951 Km and 45 m ROW for 8.40 Km
Elephant Underpass/Overpass	8 EUP	5 EUP
Land Acquisition	Nil	44.060 Ha
Social Impact	Moderate - As the alignment passes partially through built-up location.	Low - As the alignment passes through agricultural land and partial built-up
Environmental Impact	Severe	Moderate
Forest Land Diversion cost	26.50 Cr	12.78 Cr
Construction Civil cost	192.96 Cr	181.32 Cr
Total Project Cost	232.71 Cr	230.37 Cr
Recommendations	Not Recommended	Recommended


Project Director
PIU, NHAI
Ramanagara

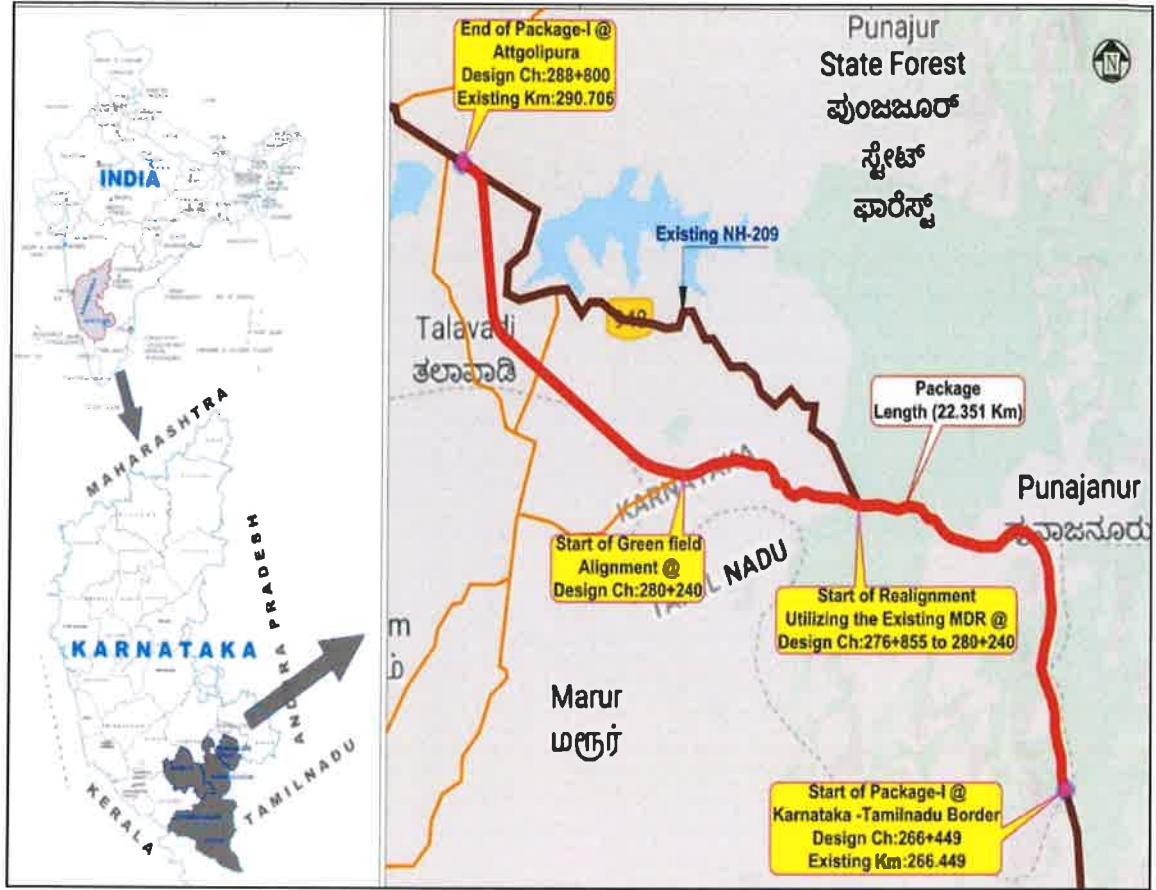


Figure : Map showing Existing and Proposed Road of NH-209

As per above analysis and under consideration of all parameters, the re-alignment is proposed through green field.

(B.L.Sridhara)
Project Director
General Manager
(Technical) cum Project
Director

PIU - Ramanagara