

Construction of proposed 8-lane of Bangalore-Chennai Expressway (BCE) Phase-II from Km 71.000 near N.G.Hulkur Village, Bangarpet Taluqa, Kolar District, Karnataka and ends at km 156.000 near 190.Ramapuram Village, Gudipala mandal,Chittoor District, Andhra Pradesh

Salient Features

- The proposed project is a new 8-Lane Expressway connecting Bangalore to Chennai. The proposed Phase-II of 8 lane Bangalore Chennai Expressway starts from Km 71.000 near N.G.Hulkur Village, Bangarpet Taluqa, Kolar District, Karnataka and ends at km 156.000 near 190.Ramapuram Village, Gudipala mandal, Chittoor District, Andhra Pradesh of Proposed BCE. The total length of proposed Bangalore Chennai Expressway (Phase-II) is 85.0 Km. The project stretch falls in the state of Karnataka and Andhra Pradesh. The proposed ROW width is 90 m throughout the project length.
- The major settlements along the alignment are Bethamangala, Venkatgirikota, Palamaner.
- The land use pattern on 10 Km either side of the project road is predominantly agriculture followed by habitation, Forest area.
- The Proposed project road section from Km 115.288 to Km 122.310, for a length of 7.02 Km , passes through Rayala Elephant Reserve, Palamaner Range, Chittoor West Forest Division in the state of Andhra Pradesh and proposed the diversion of 63. 7 ha of land from this reserve forest. The outer North Eastern boundary of the Kaundinya Wild life Sanctuary is situated nearest at a distance of 2.2 Km from the Project.The proposed alignment of Bangalore-Chennai Expressway Phase-II from Km 86.500 to Km 135.500 coming within 10 Km distance (Eco sensitive Zone) from boundary of the Kaundinya Wild life Sanctuary.
- The proposed land acquisition for the proposed alignment is 810.592 ha.
- The Proposed Right of way will be 90 m of the paved carriageway shall be 37.50 meters wide including edge strip.
- The Proposed road will have 12 nos. of Major bridges, 30 nos. of Minor bridges, 79 nos. of Culverts, 16 nos. of Vehicular Underpasses, 11 nos. Light Vehicular Underpasses, 8 nos Vehicular Overpasses, 2 nos. of Flyover, 2 nos. interchange with toll plaza, 2 nos.elevated crossing.
- There is provision of 2 nos. Truck lay byes, 2 nos. of Rest areas, High mast lights have been proposed along the project Expressway locations like Interchange locations, Rest Area, Toll Plaza Locations and Check Post locations.
- Safety measures will be provided as per NHA Safety Manual and IRC: SP 88 and Expressway Manual IRC: SP 99). Safety Measures , as provided in NHA Safety Manual i.e. Unit-3 (pertaining to Traffic Safety , such as traffic control zone , advance warning zones, traffic control devices, regulatory & warning signs cylindrical cones , drums, flagman, Barricades , Pedestrian Safety , speed control etc) and other safety guidelines & measures suggested in Unit -4 (Construction Zone Safety) , Unit 5 (Temporary Structures Safety) , Unit-6 (Workers & Work Zone Safety) , Unit-7 (Electrical & Mechanical Safety) will be strictly implemented . All required illustrative plans for safety at construction sites keeping in view all situations highlighted IRC: SP: 55 and in NHA Safety Manual will be prepared and strictly implemented.
- About 24,800 trees are likely to be affected due to proposed ROW of 90 m. Efforts will be made to minimize the trees loss by restricting tree cutting within formation width. Avenue plantation shall be carried out as per IRC SP: 21:2009 on available ROW apart from statutory requirements. The

enumerations (tree inventories) of total trees and trees to be affected will be prepared during detailed EIA study and the preparation of Forest Clearance proposals, in local & scientific names and girth range specific manner.

- Materials requirements are aggregate (53,81,000 cum), Bitumen (3,000 MT), Earth (4,45,94,000 cum), Sand (9,27,000 cum) , Steel (1,65,000 MT) , Cement (12,92,000 MT) ,Brick (2,26,55,000 Pieces).
- The total requirement of water for construction is estimated to 17400 KL/day.
- A total number of 607 structures will be affected due to proposed Road. The NHAI shall compensate the affected title holder as per NHAI Act, 1956.
- The total estimated Project Civil Cost is approximately Rs. 4354.61 crores.