

Project Note

Name of the Project: Diversion of 4.0122 Ha. Mangrove forest land for construction of proposed Ghansoli to Airoli Creek Bridge by Navi Mumbai Municipal Corporation (NMMC).

Project Description:

Navi Mumbai Municipal Corporation has identified requirement of construction of bridge (approx. 3.05 km) connecting Ghansoli and Airoli along the Thane creek considering traffic congestion scenario on major roads in the region. The proposed bridge will connect the Vashi Road which is originating from Sion-Panvel Expressway and ends at Varista Junction. This will provide an alternate route parallel to Thane-Belapur Road and Palm Beach Road. This will ease off the traffic in these two roads.

The proposed project is located in Ghansoli, Talavali & dive villages of Thane District of Maharashtra State in India and involves construction of 6 lane road on embankments (2 Nos.), bridge, 4 lane fly over with sleep road, 4 lane & additional ramp, interchange with provision of RHS 2 lane ramp up, RHS 2 lane ramp down, 2 lane flyover, LHS 2 lane ramp down & LHS 2 lane U loop ramp.

Presently Palm Beach Marg and Thane-Belapur Roads are two Major arterial roads which is the regional connectivity for JNPT, upcoming Navi Mumbai International Airport (NMIA) to Thane, Mulund. The Thane-Belapur Road was widened recently on ASIDE scheme to provide an outlay for development of export infrastructure in the region. This has led to increase in the local traffic movement and with the development of nearby regions the regional traffic will also escalate. The present V/C ratio of Thane-Belapur Road is 1.22 and thus Level of Service is F. Thus, as an there is a requirement of alternate parallel route plying along Thane-Belapur Road. The proposed linking road will provide alternate connectivity parallel to Ghansoli node to Airoli connecting Vashi-Koparkhairane Road to Mulund Airoli Bridge and proposed Airoli-Katai Naka connectivity. Also there has been a demand for this alternate Bridge cum road from the local residents and fishermen of Airoli, Ghansoli, etc. area and was brought up to NMMC.

In Navi Mumbai area, as per UDCPR Sanctioned on Dec.2020 for the Residential, Industrial and Commercial zones FSI is increasing from 0.5 to 4-5, escalating the influx and outflux of population in the area. This will increase the local traffic.

Project benefits:

- The project will go a long way in solving the problems of traffic movement which is likely to increase due to the development of Special Economic zones, Navi Mumbai provision of 6-lane Bridge, the operational LOS would be C and the projected traffic which it would serve is 5766 PCUs/Hr during the peak hours for the horizon year.
- Better Linking of Sion-Panvel Expressway to the IT hubs in Airoli, Ghansoli, Vashi etc.
- The travel time as compared to the distance travel on Thane-Belapur Road to the proposed Missing link get reduced from 16 minutes to 6 minutes during the peak hours which is approx. 180% reduction in travel time.
- Saving in Vehicle Operating Cost (VOC) for vehicle users due to improved operating conditions

Network Connectivity:

With its completion, it will connect the two important nodes of Navi Mumbai i.e. Ghansoli and Airoli which will for a regional connectivity in the area. By connecting Ghansoli -Airoli Bridge to Airoli -Katai Naka elevated corridor, it will connect Mumbai. Thane and other important places via Airoli Mulund Bridge and Airoli-Katai Naka elevated corridor.

Date: 08/06/2021
Place: Navi Mumbai.


(Sanjay Desai)
City Engineer
Navi Mumbai Municipal Corporation

