

**OFFICE OF THE EXECUTIVE ENGINEER,  
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No. NHD /Pen/PB-5/618		Date : 19.03.2021.

**Justification for locating the Project in Forest Land**

**Project Name:** "Rehabilitation and Up-gradation of existing highway to 2 lane / 4 lane with paved shoulder under configuration from Pen-Khopoli-Mahad (KM 00+000 to KM 33+328) section of NH-166 D (Pen-Khopoli-Mahad) on Engineering, Procurement & Construction (EPC) Basis in the state of Maharashtra Contract"

The ministry of Road Transport & Highways (MoRTH), government of India has decided to take up the development of Pen Khopoli Mahad section of NH 166 D in the state of Maharashtra for augmentation of capacity for safe and efficient movement of traffic by upgrading to Two Lane with paved shoulder configuration based on the traffic demand.


The existing project road predominantly has a carriage way width 7 meter of a two lane configuration with earthen shoulder 0.5 to 1.5 meter on the both sides with exception in few locations. Paved shoulder is observed at some major build ups along the project stretch. The existing width incapable to cope up with the increasing traffic. Because the highway is declared as National Highway, the project road requires minimum two-lane with paved shoulder configuration.

This stretch passes through plain terrain for entire length of highway. Horizontal geometry is straight for major portion of the highway. Vertical geometry needs substantial improvement to meet updated highway standards. Inadequate carriageway width and lack of adequate safety appurtenances markings are major causes for accident along the stretch. Absence of proper highway lighting at built-up area is another cause of concern.

The total length of the project stretch selected for up-gradation is 33.328KM in this package from which road is passing through forest area in Alibag forest division. The proposed widening requires diversion 9.6250 Ha. in Alibag forest division. Therefore the widening of this stretch requires forest clearance from Ministry of Environment, Forest and Climate change (GoI).

The diversion of forest area has been limited to the minimum that satisfies the National Highway standards. As the project road is passing through the middle of forest area, bypassing the forest area is not possible. Alternative has been examined and found that no better option is available. The widening has been limited to non-forest areas where the road is passing/ abutting the forest land only on one side of the existing road. to reduce the requirement of forest area diversion.

**DA: As above.**

  
**Executive Engineer,  
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Pen.**