

Central Railway



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NO: ANG/W/CN/DRG/DD-MMR/Land

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Brief Justification for De-Forestation

The Project is doubling of Railway line project of Central Railway a wing of Indian Railway. The Project is approved by Railway ministry vide Pink book item No 26/2016-17 for Rs 1875.530 Cr.

The Project is for doubling of existing Daund to Manmad single line. The line runs South to North connecting important Junction of Daund on Mumbai-Chennai route to Manmad on Mumbai-Howrah Route. There has been huge demand for additional services in this section particularly to and fro from **Shirdi** which cannot be possible without doubling of existing Daund-Manmad line.

The alignment between Ranjangaon to Sarola at kms 324/9 to km 325/7 is having continuous steep gradient coupled with sharp curves upto 5 degree. This km has been stalling prone and there has been incidents of stalling (unable to haul) of trains going from Ranjangaon to Sarola. There have been frequent incidents of skidding of wheels of locomotives resulting heavy wear of rails. There have been constraints on imposing speed restrictions for maintenance, replacement of sleepers, rails, welding etc at these kms as speed restriction increases chances of stalling. On other hand heavy wear rails lead to rail fractures requiring regular patrolling. Therefore for long term safety of trains and passengers, doubling is required to be done with compensated gradient as per Indian Railway Permanent way manual para 418. For safety of track the Long Welded rails Manual para 3.2.1 the radius of curve shall not be less than 440m. Hence alignment falls in adjoining strip of Railway land which was since been notified.

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