

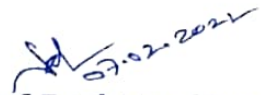
Justification for locating the project in forest area:

Railway Board has sanctioned the Doubling of Koraput-Rayagada project in the year 2015-16.

Accordingly, after considering the techno economic grounds, ground feasibility and operational point of view, it was decided by the competent authority that for the proposed doubling line final location survey has been done adjacent to the existing Koraput-Singapur Road Railway line keeping into mind for minimum extent of forest land to be diverted for this doubling project. The existing infrastructure facilities of railway stations and approach roads & forest lands have been taken into consideration during finalization of double line.

The terrain between Koraput and Singapur road is accommodative technically and financially feasible based on techno economic grounds and environmental considerations to lay doubling line parallel to existing line. This doubling alignment Parallel to the existing line involves minimum extent of forest land by avoiding presence of high hills, deep valleys, involving number of Tunnels, Major bridges and other execution problems. Further, to have a most feasible alignment from engineering consideration with due consideration to cost, parallel alignment was finalized. This Line will play a vital role in improvement of transport infrastructure paving the way to industrial development of this economically backward area. Cargo facilities will be augmented and will relieve the pressure on road traffic.

Moreover, Gradient has been limited to 1 in 100 in ghat section and the curvature has been limited to 5.3 degree at ghat section, same as of existing single line. Track center for the proposed doubling alignment running parallel to the existing line is kept at 6.50m except at the location of Major bridges and Tunnels. The alignment is approachable through roads, National Highway/State Highway and fair weather village roads. In the proposed doubling alignment, only 34 tunnels are proposed as compared to 36 nos. in the existing line. Effort has also been made to minimize the earth work requirements in both cutting and embankment. It will also enhance the socio-economic conditions of these two districts i.e. Koraput & Rayagada. It will also enhance the socio-economic conditions of these districts. During the course of construction of the project, it will render employment opportunities to the people of the relevant districts through which the alignment will pass from Koraput-Singapur Road Doubling Project.


**Dy. Chief Engineer (Con)/II,
E.Co.Railway, Visakhapatnam**