

DHOLERA SPECIAL INVESTMENT REGIONAL DEVELOPMENT AUTHORITY

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ANNEXURE-9

The new rail line of length 32 kilometres is proposed between Bhimnath and Dholera Special Investment Region in Gujarat. The rail line will start from existing station named Bhimnath in Polarpur village in Barwala taluka in Botad District. The rail line terminates at Logistic Hub in Dholera Special Investment Region in Ahmedabad District. The rail line of 2.785 km length passes through protected forest i.e. revenue survey no 284 in Otariya village in Ahmedabad district/ It requires diversion of 15.5 Ha of forest area. The justification of the route selected is explained in detail as below:

JUSTIFICATION FOR ROUTE SELECTION

In consideration of the requirements of Environmental Parameters, construction methodologies to be adopted for different terrain encountered en-route, design and engineering factors, availability of logistic support during construction, operation and maintenance of new railway line from Bhimnath to Dholera Special Investment Region (DSIR), various feasible routes were identified by Consultant M/s. Aarvee Associates Architects Engineers & Consultant Pvt. Ltd. , based on the desk study conducted on Google Earth, relevant topo-sheets of Survey of India.

The study was subsequently supplemented with field reconnaissance and data collection along the feasible routes. Finally the optimum route was arrived after conducting the Multi Criteria Analysis to compare the various parameters based on their relative importance index

Essential key parameters that differentiate the performance of alignment options have been identified and assessed in a consistent and objective manner. The key parameters considered for assessment have further been categorized as cost incurred and DSIR compatible parameters.

Regarding finalization of connectivity route, the following points have been noted while finalizing the route: -

- Rail route has been finalised in such a way that minimum forest land will be utilised as well as tree cutting will be avoided.
- Compliance with environmental regulations
- Safety of people and property
- Shortest possible route length

- Avoiding of mining protected and reserved forest archaeological and other sensitive areas.
 - Minimizing road, rail, rivers and flood prone areas.
 - Minimum route distance to meet existing railway network of Western Railways (WR) outside of Dholera SIR.
 - Minimum changes in the Corridors designated for Railways within Dholera SIR in line with TP Scheme of DSIR.
 - Latest guidelines of Indian Railways in respect of design criteria.
 - Route crossing minimum no. of roads and water bodies/streams.
 - Constructability and maintainability by limiting heights of embankments and depths of cuttings.
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- Based on the above, detailed route survey has been carried out to finalise the exact corridor for new railway line from Bhimnath to Dholera Special Investment Region(DSIR)

Place: Gandhinagar

Date:

