

## BRIEF PROJECT REPORT

Sikkim, the 22<sup>nd</sup> state of India, born in 1975 is a land of tranquility. It has a unique distinction of being bounded by three sovereign nations, China in the North, Bhutan in the East and Nepal in the West, sharing its Southern border with the state of West Bengal. With an area of 7069 sq.Km. It is located between 27.5 degree and 28.1 degree North and 88.4 degree to 88.58 degree East. Being land of monumental mountains along with some pockets in the South district having level just ascending from 400mtrs, above mean sea level, its climate varies from dry arctic in its North to sultry tropical in its South, with temperature measure of as high as 35 degree Celsius in its South to below the freezing point in the North. The main river of Sikkim is Teesta river, which originates from Chola. Its tributaries are Rangeet, Ramam, Rangpo. The state is divided into four Districts namely North, South, East, West. The proposed road starts from SPWD Road to Dipawali Upper Tumin Via Ramakrishna Mandir. Proposed road will pass by the side of a Cardamom garden, cultivation field and it ends at Upper Tumin with an all weather road so that the villagers could avoid difficult foot tracks. The total habitation served by the proposed road in all round is 350.

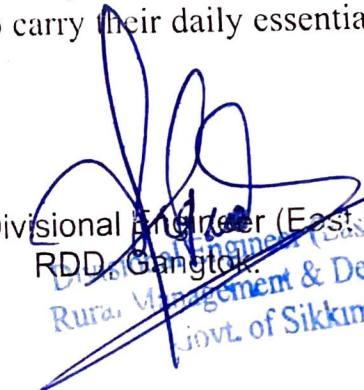
During selection of the alignment as well as considering the final location survey, thorough study has been made on the parameters which influence the environment impact in surrounding project zone. It is seen that thus project alignment passes through some agricultural land and follows existing track way. No adverse environment impact will be occurred for construction of this road.

As, the proposed formation width of the road is 6.00m. The existing track way have to be cut in hill side or fill in valley side. For the purpose of filling at valley side retaining wall are to be constructed at many location. Moreover, at sharp curve location and at hair pin bend the extra widening require some additional cutting of formation. For the purpose of this extra widening, retaining walls are to be proposed for Random Rubble Masonry (RRM) or Sausage Wall. Bond stone with pre-cast cement block are used for bond layer of retaining wall and breast wall. The type of retaining wall is proposed considering the height of the wall.

Implementation of this project would greatly facilitate the general local public of Namrang, tumin and other nearby villages to carry their daily essential commodities through this PMGSY road.

  
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