

## TECHNICAL REPORT

**Name of Project:** Construction of link Road from Barshalla to Bhalwana Via sisool (under CRF).

**Authority:-** Hon'ble Minister of state for public works department (R&B) .

**History and Necessity:** Bhalwana-Bakhna area is located towards the eastern side of Distt. HQ Doda at a distance of 40-50 Kms. The area is located on the upper reaches of hills on the right side of river Chenab opposite Tehsil H.Q-Thathri, the nearest Road head. The area is scattered over a no. of villages viz Sisool, Gujar Basti, Bhalwana with a population of more than 5000 people. In absence of vehicular link, the entire area has remained most backward, neglected, and deprived of basic amenities. The population is very poor living below poverty line. With the construction of motorable bridge over river Chenab at Thathri, the construction of road from Thathri to Barshalla( L=5.20 Kms ) has been completed upto fair weather status. The road to village Bhalwana has been proposed to take off from Barshalla . At present the people have to traverse on foot distance of 8.0 kms to reach to nearest head.

The area is rich in Agriculture ,Horticulture, Forest products which gets wasted without giving any returns. Moreover the labour class has to traverse a large distance to reach the nearest market for earning their livelihood. The school going children & patients are badly affected in absence of road connectivity.

The people of the area have been demanding the vehicular link for a long time. The Hon'ble Minister of state for public works department (R&B) has been kind enough to give his accent for the preparation of DPR and accordingly the DPR of the proposed road has been prepared.

**Take off/Alignment:** The proposed road shall take off from the Thathri-Barshalla Road km 5<sup>th</sup> RD (750) and the alignment shall run in rising grade and with a no. of zigs shall culminate at Bhalwana with length=13.00 Kms. Every effect has been taken to benefit max. population of the area connecting villages viz Sisool, Gujar Basti, on the way .

**LAND :** The Land involved in the constt. of road is largely State/ Pvt. Land/ Forest land (in stretches) is involved. Every effort has been taken to avoid slips zones and to minimize the no. of major X-Drainages.

### Physical Details & Technical:

**Specifications:-** The proposed road shall have a length of 13.00 Kms .The road shall be constructed mostly by cutting. The overall formation width shall be 6.0 mts with 3.00 mts as carriage way width. The walling has been proposed at valley and curve point to improve the geometric of the road. The road has been proposed in rising gradient with ruling gradient of 6% with exceptional gradient up to 8% in smaller stretches . Proper radii of zigs, super elevation, cross slope/camber has been proposed as per I R C specifications. The back slope of earth cutting shall range from 1 in 6 to 1 in 12 as per terrain classification.

A longitudinal kacha drain has been proposed towards uphill side all-along the road. To drain off water from nallah and road surface, the requisite number of X-drainage works

have been proposed in shape of RCC Culverts & Hume Pipe Culverts. Semi Pucca B/walls have been proposed to protect the private houses/land and to retain the back slope wherever necessary.

The pavement of the road shall consists of two layers of 100 mm thick WBM-I and one layer of 75 mm thick WBM G-II. 50mm thick Bituminous Macadam & 25mm Bituminous concrete shall be laid as wearing surface.

**Estimated cost of the project and time of completion :** The estimated cost of the project is 1800.00 lacs as per abstract of cost and if sanctioned it shall take 18 months to complete the project.

  
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