

## PROJECT REPORT

**Name of Project:** Construction of Bear Bhag to Kanhal via Shiva.

**Authority** Hon'ble MLA Doda's letter No.

### **History and Necessity:**

Kanhal Shiva area is vast mountains area located 11 kms towards North West side of Distt. H.Q. Doda on the upper reaches of right side of River Chenab. The area spread at the top of mountain from Bijarni Nallah upto village Bhagwah. The nearest all weather road head is Doda Desa road and the area falls some 05 kms away through bridle path.

The area is rich in agriculture, horticulture, sheep and wool, milk and dairy, & forest products. The marketable surplus of these products has to be carried manually to the nearby markets rendering it economically non viable. By the construction of this road the marketable surplus can be easily carried to nearby market thereby increasing the economic standard of the people. Further the people of the area will have easy access to the Medical and Educational facilities at the District Headquarter. The Labour class and the employees can reach easily to their job sites without the wastage of time. With the construction of this road there shall be over all socio-economic development of the area.

**ALIGNMENT:** The proposed road shall take off from Doda Beoli Road in km 5<sup>th</sup> RD (250-300) near Bear Bhag and shall move in upwards direction to village Shiva and Kanhal. The alignment has been fixed so as to connect maximum number of villages and the local people have been fully involved in the fixation of alignment. The alignment is passing through safe zones with minimum number of CD works. The Right of way equal to 10.0 mts is available. The road has been proposed up to B.T. Status.

### **PHYSICAL DETAILS & TECHNICAL SPECIFICATIONS:**

The proposed Road shall have length of 10.750 Kms. The road shall be constructed mostly by way of Earthwork in cutting. The overall formation width shall be 6.0 Mts. with 3.0 mtrs. as carriage way width. The walling has been proposed at Valley and curves points to improve the geometrics of the Road. The road has been proposed in rising gradient with maximum grade of 5 to 8%.

Proper super-elevation, cross-slope Camber has been proposed as per IRC specifications. The back slope of the cutting shall range from 1 in 6 to 1 in 1.2 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, requisite number of  $\frac{3}{4}$  drainage works has been proposed in the shape of RCC culverts/HP 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 consist of WBM G-I = 100 mm, WBM Grade-II = 75mm, WBM Grade-III = 75mm with 20 mm thick bituminous premix carpets as wearing surface. The semi cool Parapets shall be constructed at curve points and vulnerable spots. The necessary Road signals shall be installed all along the road.

**LAND:** Most of the land coming under the alignment is Private/State / Forest land. The private land coming in the alignment shall be acquired and the clearance obtained for the forest land.

**ESTIMATED COST OF THE PROJECT & TIME OF COMPLETION:**

The estimated cost of the Project is Rs. 1008.85 lacs with Rs. 93.84 lacs as average cost/Km and if sanctioned, it shall take three years to complete the Project.

  
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