

Task Force Certificate

Lay out of the Land-be followed as far as possible.

Heavy cutting/filling be avoided-as far as possible. The technology of cut and fill (i) method is to be adopted. Steep hill slopes also to be avoided. (ii)

Unstable/slide-prone areas to be avoided. For identifying such areas the advice of Geotechnical engineers and geologists to be taken during the survey for alignment. (iii) Comparison of various possible alignments with reference to erosion potential be

made and the alignment involving minimum erosion risks be preferred. (iv)

A part from the stage of planning the road alignment, effective steps are also required to be taken by ground engineer during the process of road construction for minimized ecological disturbance to the hill roads Broadly the measures to be taken have been identified as :-

Cut and fill method to be adopted while excavating for road formation and heavy earth cutting is to be avoided Box cutting is to be avoided to the extent possible. (i)

(ii) Blasting by explosives is to be restricted to the minimum. Lay out of holes to be drilled for blasting is to be planned keeping is view the line of least resistance and (ii) the existence of joints Controlled blasting should be repeated using low charge and care be taken to avoid activating slide zones or widening fissures and cracks in roak. Use of delay detonators in large scale basting work is to be made for anaoline dispersion of chock waves, so that minimum disturbance is caused to the rock stratum as a result of the blasting process.

(iii) All cut slopes, unusable hill side and slide prone erosion prone areas are to be provided with suitable correction measures by using one or the other of the (iii) techniques developed by CRRI. Several techniques have been sponsored by CRRI. like simple vegetative turning, bitumen much treatment and slide treatment by jute netting coir netting of these simple vegetative turning seems to be the most appropriate preventive measure in many situations. This should be established in the denuded slopes immediately after the excavation is made-

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विभाग को मान्य हैं।

प्रयोक्ता एजेन्सी

विद्युत बितरण खण्ड उत्तराखण्ड पावर कारपोरेशन लिए नई टिहरी (टिहरी गढ़वाल)