परियोजना विवरण :— मा० मुख्यमंत्री घोषणा सं० 1789/2015 के अन्तगत जनपद अल्मोड़ा के विधान सभा क्षेत्र रानीखेत के अर्न्तगत सिनार मोटर मार्ग से बहेड़ा रहणधार चौनिया से दलमोड़ी तक मोटर मार्ग का नव निर्माण कार्य।

## Task Force Certificate

- $\Xi$ Lay out of the Land-be followed as far as possible
- (ii)Heavy cutting/filling be avoided-as far as possible. The technology of cut and fill 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.
- $(\Xi)$ to the hill roads Broadly the measures to be taken have been identified as :engineer during the process of road construction for minimized ecological disturbance of planning the road alignment, effective steps are also required to be taken by ground and the alignment involving minimum erosion risks be preferred. Apart from the stage Comparison of various possible alignments with reference to erosion potential be made
- $\Xi$ cutting is to be avoided Box cutting is to be avoided to the extent possible. Cut and fill method to be adopted while excavating for road formation and heavy earth
- $\Xi$ the blasting process. chock waves, so that minimum disturbance is caused to the rock stratum as a result of delay detonators in large scale basting work is to be made for anaoline dispersion of taken to avoid activating slide zones or widening fissures and cracks in road. Use of existence of joints Controlled blasting should be repeated using low charge and care be for blasting is to be planned keeping in view the line of least resistance and the Blasting by explosives is to be restricted to the minimum. Lay out of holes to be drilled
- $\Xi$ simple vegetative turning seems to be the most appropriate preventive measure in many excavation is made. turning, bitumen muck treatment and slide treatment by jute netting coir netting of these by CRRI. Several techniques have been sponsored by CRRI. like simple vegetative with suitable correction measures by using one or the other of the techniques developed All cut slopes, unusable hill side and slide prone crosion prone areas are to be provided This should be established in the denuded slopes immediately after the
- (iv) purpose of establishing the slips Growth vegetative cover is to be stimulated in the disturbed hill slops above the road level by planting suitable fast growing shrubs and drains, longitudinal drains/culverts, breast walls, retaining walls are to be provided for Adequate drainage measures and protective structures like intercepting catch water
- (v) Over the past few years the roads wing of the Ministry of Shipping and transport has issued control for the guidance and follow up action by engineers of state 'PWD' Border Roads construction projects which provide an inbuilt mechanism of tackling land slides/erosion Organization and others engaged in construction of hill roads. these should be observed. instruction laying down broad guidelines and check list of the preparation of road

संस्तुतियाँ का परियोजना के निर्माण के दौरान अनुपालन सुनिष्टिचत किया जायेगा हैं। प्रमाणित किया जाता है कि योजना आयोग द्वारा गठित टास्क फोर्स द्वारा प्रदत्त उक्त

निर्माण खण्ड, लो०नि०वि० अभियन्ता

निर्माण खण्ड, लो०नि०वि० अधिशासाँ है रानीखेत ( अभियन्ता

रानीखेत Lata/Dynahesh sir/ Vinod Sir-Land tranefer Proplgal Reheddhaar (Mr. Vi**byg**m S.)