

# JUSTIFICATION OF SELECTING THE ROUTE IN WEST TERRITORIAL AFTER EXAMINING ALL THE ALTERNATIVES

## 220 KV D/C NEW MELLI TO LEGSHIPPOOL LINE

Sl. No	Criteria	Alternative-I	Alternative-II	Alternative-III
01	Approach Road & Accessibility	Approx. 1.5 kms walking needed to reach line	Approx. 2.0 kms walking needed to reach line	Approx. 2.25 kms walking needed to reach line
02	Stability of the Area	Stable	Less Stable	2/3 hill slide zones found
03	Vicinity to Towns	Passing by the side of the Lower Kamling	Passing through Lower Kamling, Rishi, Village	Passing through South Sikkim
04	Forest involvement & tree involvement in Forest	Minimum Forest Land- 3.4965 Ha, No. of Trees-567 Nos (Incl 254 Pole)	More than Alt-I Forest Land - 5.21 Ha approx. No. of Trees - 549 nos (Incl 110 Pole)	More than Alt-I& Alt-II Forest land - approx. 8 ha No. of Trees - approx nos 840
05	Number of trees actually to be felled out of enumerated trees (considering hills)	317 Nos Approx. 55.9% (as most of the forest land fall in valley)	Approx. 60% (as ½ of the forest land fall near hilltop)	Approx. 75% (as most of the forest land fall around hill top)
06	Wildlife Sanctuary	Nil	Nil	Nil
07	Rich Crop in the Corridor	Less	Less	More
08	Right of Way resistance	Less	Comparatively more	More than Alt-I& Alt-II
09	Suitability from O&M point of view	Most suitable	Suitable	Less Suitable

(SELECTED)