

# JUSTIFICATION OF SELECTING THE ROUTE AFTER EXAMINING ALL THE ALTERNATIVES

## 132 KV D/C Dikchupool-Perbing Transmission Line

Sl. No	Criteria	Alternative-I	Alternative-II	Alternative-III
01	Approach Road & Accessibility	Approx. 1 kms walking needed to reach line	Approx. 4 kms walking needed to reach line	Approx. 0.8 kms walking needed to reach line
02	Stability of the Area	Stable	Less Stable ( extremely hilly terrain)	Stable
03	Vicinity to Towns	Passing by the side of the Upper Luing and Perbing.	Passing by the side of the Upper Luing and Perbing.	Passing by the side of the Upper Luing and Perbing.
04	Forest involvement & tree involvement in Forest	Minimum Forest (Khasmal) Land- 2.6622 Ha Wildlife Sanctuary- 5.7179 Ha	More than Alt-I Forest Land- 3.2 Ha (Khasmal) + 8.5 Ha (Wildlife) approx.	Involves densely inhabited area of native people causing huge displacement of their settlements.
05	Number of trees actually to be felled out of enumerated trees (considering hills)	No. of Trees: 206+164+15=385 nos. No. of Poles: 639+104=743 nos. Small mixed Plants= 1500 nos bamboos + considerable bushes & shrubs.	No. of Trees: 540 approx. nos. No. of Poles: 1000 approx. nos. Small mixed Plants= 2000 approx. nos.	Private Land (Comparatively lesser trees/poles involved but huge dismantling of house structures)
06	Wildlife Sanctuary	Yes (5.7179 Ha- Fambonglho Wildlife Sanctuary)	Yes (8.5 Ha approx- Fambonglho Wildlife Sanctuary)	Yes (3.2 Ha approx.)
07	Rich Crop in the Corridor	Less	Moderate	Moderate
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 considering the settlements of people and their basic living incomes.

(SELECTED)

Additional Chief Engineer (Transmission)  
Power Department  
Govt. of Sikkim