

**JUSTIFICATION OF SELECTING THE ROUTE IN SOUTH TERRITORIAL AFTER EXAMINING
ALL THE ALTERNATIVES**

66 KV SAMARDONG TO MAMRING TRANSMISSION LINE ON SINGLE CIRCUIT TOWER

Sl. No	Criteria	Alternative-I	Alternative-II	Alternative-III
01	Approach Road & Accessibility	Approx. 1.0 kms walking needed to reach line	Approx. 1.5 kms walking needed to reach line	Approx. 1.85 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 Namthang & Mamring.	Passing by the side of the Namthang & Mamring.	Passing by the side of the Namthang & Mamring.
04	Forest involvement & tree involvement in Forest	Minimum Forest Land- 3.532 Ha,	More than Alt-I Forest Land- 3.90 Ha approx.	More than Alt-I& Alt-II Forest land- approx. 4.40 Ha.
05	Number of trees actually to be felled out of enumerated trees (considering hills)	No. of Trees- 640 Nos (including 260 Poles) 513 Nos Approx. 80% (as most of the forest land fall in valley)	No. of Trees - 640 Nos (including 260 Pole) 563 Approx. 87% (as ½ of the forest land fall near hill top)	No. of Trees- 640 Nos. (including 260 Poles) 590 Approx. 92% (as most of the forest land fall around hill top)
06	Wildlife Sanctuary	Nil	Nil	Nil
07	Rich Crop in the Corridor	Less	Moderate	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)

Additional Chief Engineer
Energy & Power Department
Government of Sikkim
Gangtok