

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

**66 KV SAMARDONG TO MAMRING (NAMTHANG) TRANSMISSION LINE ON DOUBLE 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 & Nagi. | Passing by the side of the Namthang, Nagi & Karek. | Passing by the side of the Namthang, Nagi & Karek. |
| 04 | Forest involvement & tree involvement in Forest | Minimum Forest Land- 4.2613 Ha, | More than Alt-I Forest Land- 4.305 Ha approx. | More than Alt-I& Alt-II Forest land- 4.90 Ha approx. |
| 05 | Number of trees actually to be felled out of enumerated trees (considering hills) | No. of Trees -1000 Nos (including 200 Poles) 775 Nos. Approx. 77% (as most of the forest land fall in valley) | No. of Trees – 1000 Nos (including 200 Poles) 850 Nos. Approx. 85% (as ½ of the forest land fall near hill top) | No. of Trees- 850 Nos. (including 150 Poles) 930 Nos. Approx. 93% (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
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