

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

66 KV S/C KHAMDONG – TEMI TRANSMISSION LINE

| 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 Temi & Khamdong. | Passing by the side of the Temi & Khamdong. | Passing by the side of the Temi & Khamdong. |
| 04 | Forest involvement & tree involvement in Forest | Minimum Forest Land-4.4412 Ha, | More than Alt-I Forest Land 4.79 Ha approx. | More than Alt-I& Alt-II Forest land-approx. 4.98 Ha. |
| 05 | Number of trees actually to be felled out of enumerated trees (considering hills) | No. of Trees-1430 Nos (including 600 Poles) 1188 Nos Approx.-83% (as most of the forest land fall in valley) | No. of Trees - 1430 Nos (including 600 Poles) 1287 Nos. Approx. 90% (as ½ of the forest land fall near hilltop) | No.of Trees-1430 Nos (including 600 Poles) 1358 Nos. Approx. 95% (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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