

**JUSTIFICATION OF SELECTING THE ROUTE AFTER EXAMINING ALL THE ALTERNATIVES**

**220 KV D/C SAMARDONG TO DIKCHU-POOL TRANSMISSION LINE**

Sl. No	Criteria	Alternative-I	Alternative-II	Alternative-III
01	Approach Accessibility	Road & 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 Singtam, Khamdong, Makha & Samdong.	Passing by the side of the Singtam, Khamdong, Makha & Samdong.	Passing by the side of the Singtam, Khamdong, Makha & Samdong.
04	Forest involvement & tree involvement in Forest	Minimum Forest Land- 16.968 Ha,	More than Alt-I Forest Land- 17.89 Ha approx.	More than Alt-I & Alt-II Forest land- 18.25 approx. Ha.
05	Number of trees actually to be felled out of enumerated trees (considering hills)	No. of Trees: 376 nos. (including 615 nos. Poles) 991 nos. Approx. 82.5 % (as most of the forest land fall in valley)	No. of Trees - 400 nos. (including 700 nos. Pole) 1100 nos. Approx. 91.66 % (as $\frac{1}{2}$ of the forest land fall near hill top)	No. of Trees- 450 nos. (including 720 nos. Poles) 1170 nos. Approx. 97.5 % (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)

*[Signature]*  
 Executive Engineer  
 Energy & Power Deptt.  
 Gangtok, Sikkim