

JUSTIFICATION OF SELECTING THE ROUTE AFTER EXAMINING ALL THE ALTERNATIVES

220 KV D/C Singhik-Chungthang Transmission Line

Sl. No	Criteria	Proposed route	Alternative-I	Alternative-II
01	Approach Road & Accessibility	Approx. 0.5 kms walking needed to reach line	Approx. 1 kms walking needed to reach line	Approx. 1.25 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 Menshithang, Chungthang	Passing by the side of the Menshithang	Passing by the side of the Menshithang
04	Forest involvement & tree involvement in Forest	Minimum Khasmal/RF/RR Land- 16.4 Ha Minimum KBR land – 10.427 Ha	More than Alt-I Khasmal/RF/RR Land- 16.4 Ha KNP Core zone involved 18.3 Ha	More than Alt-I& Alt-II RF/RR/Khasmal Land involved = 22 Ha
05	Number of trees actually to be felled out of enumerated trees (considering hills)	Tree enumeration enclosed. Minimum nos of trees/poles/shurbs involved than other two alternatives.	Involving high flora & fauna Ecological zone due to involvement of core KNP.	High altitude steep hill terrain. Tower footing not feasible and permissible.
06	Wildlife Sanctuary	Nil	Nil	Nil
07	Rich Crop in the Corridor	Less	High	Moderate
08	Right of Way resistance	Less	Comparatively more	More than proposed and Alt-I
09	Suitability from O&M point of view	Most suitable	Proposal rejected by SBWL on 23 rd board meeting due to involvement of core zone of KNP.	Less Suitable

(SELECTED)

07/08/22
 Chief Engineer-cum-SNO (IPDS)
 Power Department
 Government of Sikkim