

220 KV D/C Ulihari Chaibasa -Gua Transmission line

Jharkhand Urjha Sancharan Nigam Limited

Justification for Selection of Route-1 is based on Comparative Statement of The Alternative Routes

S.No.	Description	Unit	Route-1 (Final Route)	Route-2	Route-3
1	Bee Line	Km	64.605	64.605	64.605
2	Length of the line	Km	84.165	88.068	93.025
3	Forest	Km	14.647	40.824	17.308
4	National Highway Crossings	Nos.	1	1	1
5	State Highway Crossings	Nos.	3	3	7
6	Major River Crossings	Nos.	2	4	1
7	132 kV Crossings	Nos.	1	1	1
8	220kV Crossings	Nos.	2	2	5
9	400 kV Crossings	Nos.	2	2	1

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Electrical Superintending Engineer
Transmission Circle, Chaibasa


PROPOSED 220 KV D/C ULIJHARI, CHAIBASA TO GUA TRANSMISSION LINE

Conclusion & Recommendation:

After careful examination of all the above mentioned three alternative routes following conclusion can be drawn:

- Route 1 involves lesser length than Route-2 & Route-3. Considering the above construction & maintenance of the Transmission Line.
- Route 1 involvement of the forest stretches is 14.647 KM, whereas in Route-2 is 40.824 KM and Route-3 is 17.308 KM.
- Route 1 is not passing any wild life/Bird Sanctuary.
- Route 1 is not passing from any mining zone.
- As far as the approachability and general strata concerned, Route-1 appears to be best as it is well approachable, the route is most feasible not only from the view point of construction but for trouble and hassle free O&M of the proposed transmission line in future.

Keeping the above factors in mind, we propose Route-1 as the final Route.


Electrical Superintending Engineer
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