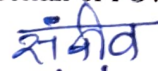


TABLE-1

Comparative Statement of Three Alternative Routes for Construction of 132KV D/C Roing-Chapakhowa Transmission Line from Location No AP 1/0 to Location no AP 44/0 in the state of Assam and Arunachal Pradesh.

SL No.	Description	Route-1	Route-2	Route-3	Remarks
A.	Route Particulars				
1	Line Length(KM.)	37.070	33.434	32.838	
2	Bee line Length(KM.)	27.782	27.667	27.782	
3	Total no. of Angle Points	43	44	48	
4	Near by Townships	Roing, Kunduli, Shantipur, Padum Pukhuri, Chapakhowa	Roing, Kunduli, Shantipur, Padum Pukhuri, Chapakhowa	Roing, Kunduli, Shantipur, Padum Pukhuri, Chapakhowa	
5	District	Tinsukia(Assam), Lower Dibang Valley(Arunachal Pradesh)	Tinsukia(Assam), Lower Dibang Valley(Arunachal Pradesh)	Tinsukia(Assam), Lower Dibang Valley(Arunachal Pradesh)	
6	State	Assam, Arunachal Pradesh	Assam, Arunachal Pradesh	Assam, Arunachal Pradesh	
B.	Terrain				
1	Plain Length (KM)	37.070	33.434	32.838	
2	Hill Length (KM)	Nil	Nil	Nil	
C.	Crossing				
1	NH Crossing	1	1	1	
2	SH Crossing	Nil	Nil	Nil	
3	Railway Crossing	Nil	Nil	Nil	
4	Power line crossing	1	1	1	
5	House & Hut inside corridor	Nil	Nil	Nil	
6	Major Crops	Nil	Nil	Nil	
7	River Crossing				
i)	Major	Nil	Nil	Nil	
ii)	Minor	Nil	Nil	Nil	
8	Pile Foundation	Nil	Nil	Nil	
9	Forest (in km)	13.437	5.568	5.568	
10	Approachability to the Line	Approachable	Approachable	Approachable	
11	Advantage	1.Public land is minimum. 2. Lowest AP. Number. 3. Minimum ROW problem.	1.Public land is Less than R-3. 2. Nos of APs are less than R-3. 3. ROW problem would be less than R-3.	1.Shortest route length.	
12	Disadvantage	1.Route length is more than R-2 and 3. 2. Forest area is maximum.	2. Probability of ROW problem would be huge.	2. Probability of ROW problem would be Maximum among all options .	Route 2:- Technically & economically most feasible route.
13	Anticipated O&M problem	As usual	As usual	Maximum	

For & on behalf of POWERGRID


11/11/2021

(Sanjib Kumar Saikia)
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