


Justification for locating the proposed 220 KV transmission line in forest land

Damodar Valley has undertaken the construction of work of 220 KV double circuit transmission line, which would originate from our Parulia Substation and would terminate at our Burdwan Substation, in order to cope up with manifold progressive load demand in the lower Damodar Valley region. The construction of this transmission line is of immense importance in light of strengthening of our 220 KV eastern grid to have more stable and quality power supply to Railways, SAIL, CIL and many other beneficiaries of Parulia, Durgapur, Bardhaman and also down the valley region.


In this regard, originally the route of transmission line was mapped such that there was no involvement of forest land. However due to the proximity of the line with Indian Air Force Base at Panagarh, the route has to be altered considering the National security in mind.

Although thereafter, several alternatives have been explored to avoid the forest land. Since the forest land could not be avoided, hence utmost care has been taken in order to minimize the forest land. It shall be noted that in the other route, there would have been involvement of Protected Forest Land and while carrying the preliminary survey it has been found that the present route has no major trees involved with paddy cultivation going on. Hence after a thorough survey to lay the aforementioned transmission line, the present route has been found to be optimum/minimum from the prospective of Forest Land used since it involves on 2.131 hectare of Forest Land with no major tree cutting involvement in it, in comparison to other routes which would have involved 20.72 Hectare & 10.045 Hectare respectively of forest land.

Hence, the present route is proposed with minimum forest land involvement for construction of 220 KV Double Circuit Transmission Line from Parulia Substation to Burdwan Substation of DVC.


अधीक्षणे अभियंता (विद्युत)
SUPERINTENDING ENGINEER (E)
टी.एस.सी.-१, दाघानि, दुर्गापुर-७१३२०१
TSC-I, DVC, Durgapur-713207

Sl.No	Items	Route-1 Final Route	Route-2	Route-3
1	Bee Line	65.90KM	65.90KM	65.90KM
2	Route length	101.5419 km	92.732	94.659
3	No. of Angle Points(excluding Tapping Point & dead end)	113 Nos	107 Nos	109 Nos
4	Line length passing through Forest Area(Approx)	0.609km	5.92km	2.87km
5	Involved forest arae (in Hectare)	2.131	20.72	10.045
6	Tough Hilly Terrain	Nil	Nil	Nil
7	Power Line Crossing :			
	400 KV Transmission Line	4 Nos	4 Nos	4 Nos
	220 KV Transmission Line	3 nos	3 nos	3 nos
	132 KV Transmission Line	6 nos	5 nos	5 nos
	33 KV Transmission Line	17 nos	16 nos	13 nos
	11 KV Transmission Line	49 nos	45 nos	42 nos
8	Trolley Line(ropeway)			
9	Railway Line Crossing	2 nos	2 nos	2 nos
10	Major River Crossing (DVC Canal) or Nala	6 nos	2 nos	2 nos
11	National Highway			
12	State Highway	2 nos	2 nos	2 nos
13	Defence Area	Nil	Nil	Nil
14	Transportation & Maintenance	Good Accessibility	Moderate Accessibility	Moderate Accessibility


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