

Cast benefit analysis:

A) **Cost of the project:** Rs. 2057 Cr. for the Palatana-Bongaigaon 400 KV D/C Transmission line.

B) **Monetary value of impact on Forest:**

Sl. No.	Parameters	Monetary value
1	Loss of value of timber, fuel-wood and minor forest produce on an annual basis, including loss of man-hours per annum of people who are deprived livelihood and wages from the harvest of these commodities.	The monetary value of 1500 Nos. trees with 1050 cum volume amounts to Rs. 29,46,300/- (@ Rs. 2806 per cum.)
2	Loss of animal husbandry productivity, including loss of fodder.	NIL
3	Cost of human resettlement	NIL
4	Loss of public facilities and administrative infrastructure (Roads, buildings, schools, dispensaries, electric lines, railways etc.) on forest land, or which would require forest land if these facilities were diverted due to the project.	NIL
5	Environmental losses: (Soil erosion, effect on hydrological cycle, wildlife habitat, microclimate, upsetting of ecological balance).	Environmental losses calculated @ Rs. 126.74 lakh for a period of 50 years for 11.04 ha of forest land under 0.6 density class amounts to Rs. 839.52 lakh.
6	Suffering to oustees	NIL
	Total Cost	868.98 lakh

C) **Benefit of the project:** The transmission system facilitates power evacuation from the 726.6 MW Gas Based Combine Cycle Power Project being established at Palatana, Tripura to the beneficiary states of North Eastern Region which in turn help over all social and industrial development of the region in general. The annual revenue earning for the entire Palatana-Bongaigaon 400 KV D/C Transmission is Rs. 305 Cr. based on the average levelised transmission tariff.


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