TABLE-B

ESTIMATION OF COST OF FOREST DIVERSION

Eco-Class Value – II

Density - Below 0.4

Sl. No	Parameters	Amount Rs. in Lakhs
1	Ecosystem services losses due to proposed forest diversion (NPV) 29.939 Ha X Rs. 11, 16, 900.00 Lakhs	334.389
2	Loss of Animal Husbandry productivity including Loss of fodder (over 29.939 Hectares (10% of NPV)	33.439
3	Cost of human re-settlement	NIL
4	Loss of Public facilities and administrative infrastructures (roads, buildings, schools, dispensaries, electric lines, railways etc) on forest or which would require forest land, if these facilities were diverted due to the project.	NIL
5	Possession value of Forest land Diverted (30% of environmental cost (NPV) due to loss of forest or circle rate of adjoining area in the district should be added as a cost component as possession value of forest land whichever is maximum).	100.317
6	Habitat Fragmentation Cost (While the relationship between fragmentation and forest goods and services is complex, for the sake of simplicity the cost due to fragmentation has been pegged at 50% of NPV applicable as a thumb rule)	167.195
7	Suffering of Oustees	Nil
8	Cost of compensatory afforestation and soil &moisture conservation cost	324.719
	Total Loss (1-8)	**960.059**

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TABLE-C

ESTIMATE BENEFITS OF FOREST DIVERSION IN CBA

Sl. No.	Parameters	Compliance in lakhs
1	Increase in productivity as attribute to the specific project	4069.540
2	Benefit to Economy due to the specific project	720.000
3	No. of population benefited from the specific project	50,000
4	Economic benefits due to of direct and indirect Employment due to the project	5000
5	Economic benefits due to Compensatory afforestation. (The benefit from such compensatory afforestation accruing over next 50 years monetized and discounted to the present value should be included as benefit by compensatory afforastation) FOR NEXT 50 YEARS. The estimated cost of NPV for present value is taken as benefit by compensatory aforastation i.e. Present value X $(1+i)^N$ =324.719 $X(1+0.04)^{50}$ (i= interest, N=Time)	2307.675
	Grand Total (SL.No1 to 5)	**7097.215**

Cost Benefit Ratio: - 1:7.39

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