AS PER MoEF &CC GUIDELINE NO 7-69/2011-FC (Pt), Date-01.08.2017

TABLE - B

ESTIMATION OF COST OF FOREST DIVERSION

Sl. No.	Parameters	Amount in Lakhs
1	Ecosystem services losses due to proposed forest diversion (NPV) @ 30.469 Ha Rs. 7.30 lakhs per Hectare.	222.427
2	Loss of Animal Husbandry productivity including Loss of fodder (over hectare(10% of NPV)	22.242
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.	-
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).	66.727
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)	111.212
7	Suffering of Oustees	-
8	Cost of compensatory Afforestation and soil & moisture conservation cost Ha @ Rs. 1, 65, 000/ Ha over 62.00 Ha	102.30
	Total Loss (1-8)	**524.905**

(Antaryami Behera)

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	327.279
2	Benefit to Economy due to the specific project	32.728
3	No. of population benefited from the specific project	150000nos
4	Economic benefits due to of direct and indirect Employment due to the project (1000nos X Rs. 315.00 X 365)	1149.750
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 Afforastation i.e. Present value X $(1+I)^N$ $=102.30X(1+0.04)^{50}$ (i= interest, N=Time)	727.014
	Grand Total (Sl. No1 to 5)	**2236.771**

Cost Benefit Ratio: - 1:4.261

(Antaryami Behera)