Table B- Estimation of cost of forest diversion (as per MoEF & CC Guideline dated 1st Aug 2017 related to cost benefit analysis)

Sl. No.	Parameters	Remarks (Rupees in lakhs)
1	Ecosystem Services losses due to proposed forest diversion. NPV of the forest land being diverted i.e. (Eco class value-III Tropical Dry Deciduous Open Forest) Forest land 67.352 ha @ Rs. 9,57,780 lakhs	Rs. 6450.84
2	Loss of animal husbandry productivity including loss of fodder (10% of NPV)	645.084
3	Coat of human resettlement.	No R & R is involved
4	Loss of public facilities & administration infrastructure (Roads, building, school, dispensary, electric lines, railway etc.) on forest land.	Not applicable, since these facilities are not available inside the forest area for proposed diversion.
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).	1935.252
6	Cost of suffering of oustees	Not applicable since there will be no displacement of peoples.
7	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)	3225.42
8	Compensatory Afforestation and Soil & Moisture Conservation Cost	65540.00
Total Loss (Against the proposed forest land diversion)		**Rs. 77796.596**

Table C- Estimation of Benefit of Forest Diversion in Cost Benefit Analysis (as per MoEF & CC Guideline dated 1st Aug 2017 related to cost benefit analysis)

Sl. No.	Parameters	Remarks (Rupees in lakhs)
1	Increase in Productivity attribute to the specific project	4200.00
2	Benefit to economy due to the specific project	420.00
3	No of population benefited due to specific project	50000
4	Economic benefit due to direct and indirect employment due to the project	Direct: 551 (Approx) Indirect: 1000 (Approx)
5	Economic benefits due to Compensatory Afforestation. (The benefit from such Compensatory Afforestation accruing over next 50 years magnetized and discounted to the present value should be included as benefit by Compensatory Afforestation). For next 50 years the estimated cost of NPV for present value is taken as benefit by Compensatory Afforestation i.e. Present value x $(i + i)^N$ = **65540.00x $(1+0.04)^{50}$ (i = interest, N=Time)**	465772.03
	Grand Total	**Rs. 470392.03**

COST BENEFIT RATIO OF THE PROJECT

Benefit - 470392.03

Loss - 77796.596

Ratio - 1:6.046

M/s. Chandi Prasad -

Holder

Authorised Signatory

COUNTERSIGNED

COUNTERSIGNED

Divisional Forest Officer

Divisional Forest Officer

Bonai Forest Division