

**COST BENEFIT ANALYSIS DUE TO FOREST DIVERSION MEASURING 90.50 HECTARES OF RESERVE FOREST LAND IN RESPECT OF GORUMAHISANI IRON ORE BLOCK OVER 349.50 HECTARES (ROR)/349.702 HECTARES (DGPS) AREA LOCATED IN VILLAGES KULEISILA, BADAMOUDA, SANAMOUDA, BALITANGRI, SUNDHAL AND GORUMAHISANI R.F. ETC IN MAYURBHANJ DISTRICT, ODISHA**

REF: GUIDLINE NO 7-69/2011-FC (Pt). Date-01.08.2017 OF  
MINISTRY OF ENVIRONMENT, FORESTS AND CLIMATE CHANGE,  
GOVERNMENT OF INDIA

TABLE - B  
ESTIMATION OF COST OF FOREST DIVERSION

SL.NO.	PARAMETERS	AMOUNT IN LAKHS
1	Ecosystem service losses due to proposed forest diversion (NPV) @Rs.7.5 Lakhs per hectares considering the density of forest 0.1 and class of forest Eco-Value class. I	678.75
2	Loss of animal husbandry productivity, including loss of fodder (10% of NPV)	67.875
3	Cost of human resettlement	0.00
4	Loss of public facilities and administrative infrastructure (Roads, building, schools, dispensaries, electric lines, railway, etc.) on forest land, which would require forest land if these facilities were diverted due to the project	0.00
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)	203.625
6	Cost of suffering to oustees	0.00
7	Habitat Fragmentation Cost (While the relationship between fragmentation and forest goods and service is complex, for the sake simplicity the cost due to fragmentation has been pegged at 50% of the NPV applicable as a thumb rule)	339.375
8	Compensatory Afforestation and soil & moisture conservation cost	After completion of CA details
	<b>Total Loss (1-8)</b>	<b>1289.625</b>

TABLE - C

ESTIMATION OF COST OF FOREST DIVERSION

SL.NO.	PARAMETERS	AMOUNT IN LAKHS
1	Increase in productivity as-attribute to the specific project	12000.00
2	Benefit to Economy due to the specific project	
3	Numbers of population benefited from the specific project	1000.00
4	Economic benefits due to of direct and indirect Employment due the project	1375.00
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 Afforestation). For next 50 years the estimated cost of NPV for the present value is taken as benefit by Compensatory Afforestation i.e. Present value	Will be finalized after preparation of Scheme
<b>TOTAL</b>		<b>14375.00</b>

**Cost Benefit Ratio: - 1:11**

Date: 06.10.2020

Place: Gorumahisani

For Ghanashyam Misra &amp; Sons (P) Ltd



*Binod*  
(Binod Kumar Misra)  
Director