

PARAMETERS FOR EVALUATION OF LOSS OF FOREST OVER 124.313 HA. FOREST AREA REQUIRED FOR DIVERSION FOR NON-FORESTRY USE FOR BOLANI ORE MINES (6.90 SQ. MILES) OF M/S STEEL AUTHORITY OF INDIA LTD.

01.	Loss of value of timber, fuel wood Minor forest produce on annul basis including loss of man-hours per annum of people who derived livelihood and wages for the harvest of these commodities.		
a.	Loss of value of timber as per enumeration (1250.12 units) @ Rs. 9260/- per unit as per nearest coupe Karo Reserved Forest unit value for the year 2016-17.	Rs.	1,15,76,111.00
b.	Value of firewood 130 T.L.s @ 20000/-	Rs.	26,00,000.00
c.	Loss of Minor Forest Produce on lump sum.	Rs.	5,00,000.00
02.	Loss of animal husbandry productivity including loss of fodder	Rs.	Nil
03.	Cost of human settlement	Rs.	Nil.
04.	Loss of public facility an administrative infrastructure (road, school, dispensary, electric line and railway etc.) on forest land or which should require forest land if their facilities are diverted to the project.	Rs.	Nil
05.	Environmental losses (Soil erosion, effect on hydrological cycle, wildlife habitat, micro climatic upsetting of ecological balance)		
As per thumb rule prescribed, Environmental loss due to loss of Forest over 124.313 ha of Forest area of density 0.3 for forest land to acquire over a period of 50 years.			
126.74 lakhs x 0.3 x 124.313 ha = Rs. 47,26,62,889/-			
Loss per Annum			
		Rs.	94,53,258.00
Total loss:			
		Rs.	2,41,29,369.00
06.	Suffering to oustees	Rs.	Nil


Divisional Forest Officer,
Keonjhar Division.

SUMMARY OF COST BENEFIT ANALYSIS.

Total loss per annum due to loss of Timber,
Firewood and Minor Forest Produce and
Environmental loss due to loss of Forests.

Per Annum


Rs. 2,41,29,369.00

Total benefit to the economy due to annual
production of Iron Ore over the applied area of
124.313 ha. (Proportionate value of total annual
production value of the lease hold area of
1586.36 ha).

Rs. 26,77,83,711.00

Hence the cost benefit ratio of the Mining
Project is

1 : 11.09


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