

## ANNEXURE -XXV

## PARAMETERS FOR EVALUATION OF BENEFIT NOT WITHSTANDING LOSS OF FOREST

Sl. No.	Particulars	Justification	Rate In Rs.	Quantity (MT)	Value (Crores)
1.	Increase in productivity attributed to the specified project	The lease has been obtained for mining of Iron ore for supplying to Company's Steel Plants and sister concerns. The estimated production of Iron ore from the applied area will be around 8 Million Ton per annum.			
2.	Benefit to Economy	Benefit to the economy due to the production of 8 Million Tonnes iron ore (ROM).	Rs.2491 per Ton	80,00,000MT	1637.30
3.	No of population benefitted	About 1450 persons per day.			
4.	Employment Potential	Existing working strength at Katamati Mine is 100. Further Direct employment will be 150 & Indirect employment will be 300 after the applied area is available.			
5	Losses of (a) agriculture & (b) animal husbandry production due to diversion of forest land	Not applicable since there is no agricultural land within the forestland and mining lease area.			
6.	Cost of acquisition of facility in non-forest land wherever feasible	No acquisition as far as Manganese & Iron ore mining is concerned.			
7	Cost of rehabilitating the displaced Persons as different from compensatory amounts given for displacement	Does not arise for reasons mentioned above.			

FOR AND ON BEHALF OF  
TATA STEEL LIMITED  
BY THEIR CONSTITUTED ATTORNEY

*M C Thomas*  
M. C. THOMAS

**PARAMETERS OF EVALUATION OF LOSS OF FOREST OVER 16.574 HA. OF FOREST AREA AS PER SABIK RECORDS  
REQUIRED FOR DIVERSION FOR NON-FORESTRY USE FOR MINING BY M/S. TATA STEEL LIMITED FOR JODA EAST IRON  
& MANNORA MANGANESE MINE IN KEONJHAR DISTRICT OF ORISSA.**

Sl. No.	Particulars	Quantity	Rate	Amount (Rs. Crores)
1.	Loss of value of timber, fuel wood and minor forest produce on an annual basis including loss of man-hours per annum of people who deprived livelihood and wages from the harvest of these commodities. a) Loss of value of timber as per enumeration( Units) @ Rs. Per units. Unit value for the year b) Value of firewood c) Loss of minor forest produced on lump sum			
2.	Loss of animal husbandry productivity including fodder			
3.	Cost of human settlement			
4.	Loss of public facility and administrative infrastructure (road, school, dispensary, electric line and railway etc.) on Forest and or which should require forest land if their facilities are diverted to the project.			
5.	Environment losses (soil, erosion, effect on hydrological cycle, wildlife habitat micro climate upsetting of ecological balance.) As per thumb rule prescribed, Environmental loss due to loss of forest over 383.607 ha. of forest area of density below to accure over a period of years. Lakh x 383.607 ha. x years			
	Total loss			
	Total loss per annum			
6.	Suffering of oustees			
7.	NPV @ Rs. lakh per ha.			

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M. C. THOMAS

**COST BENEFIT ANALYSIS RATIO**

<b>Description</b>	<b>Rs. In Crores</b>
Total loss/annum (due to loss of Timber, Firewood and Environmental loss due to loss of forest, including NPV, CA and Wildlife Management Cost	Rs.
The total benefit to the economy due to annual production of Iron ore	Rs. 1637.30 Crores
Hence the cost benefit ratio of the mining project	1:

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BY THEIR CONSTITUTED ATTORNEY

  
M. C. THOMAS

Divisional Forest Officer,  
Keonjhar Division