

## ANNEXURE VII(a)

**COST - BENEFIT ANALYSIS FOR PROJECTS INVOLVING FOREST LAND**

APPLICATION FOR DIVERSION OF 151.8519 Ha. OF FOREST LAND for JK OC MINE

**I. Estimation of Costs**

SI No.	Parameters	Value in Rs lakhs	Remarks
1	Ecosystem Services losses due to proposed forest diversion	1219.37	NPV OF 151.8519 Ha. OF FOREST LAND @ Rs 8.03 Lakhs/Ha
2	Loss of Animal Husbandry productivity, including loss of fodder	121.94	10% of NPV
3	Cost of Human Resettlement	0.00	There is no R&R involved
4	Loss of Public facilities and administrative infrastructure (Roads, buildings, schools, dispensaries, electric lines, railways, etc) on forest land, which would require forest land if these facilities were diverted due to the project.	0.00	There is no loss of public facilities
5	Possession Value of forest land diverted	365.81	30% of NPV
6	Cost of Suffering to Oustees	0.00	There are no oustees
7	Habitat Fragmentation Cost	609.69	50% of NPV
8	Compensatory afforestation and soil & moisture conservation cost	1974.07	Cost of compensatory afforestation and soil & moisture conservation @ Rs 6.5 Lakhs per Ha for twice the forest land involved
	<b>TOTAL COSTS</b>	<b>4290.88</b>	

Forest Division Officer  
Yellandu Division

General Manager  
Singareni Collieries Company limited,  
Yellandu Area

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GENERAL MANAGER  
The Singareni Collieries Co.Ltd  
YELLANDU AREA

ANNEXURE VII(b)

**COST - BENEFIT ANALYSIS FOR PROJECTS INVOLVING FOREST LAND**

APPLICATION FOR DIVERSION OF 151.8519 Ha. OF FOREST LAND for JK OC MINE

**II. Estimation of Benefits**

Sl No.	Parameters	Value in Rs lakhs	Remarks
1	Increase in productivity attributable to the specific project	11218.26	NPV of Project net cashflow at 100% performance level @ 10% discount rate
2	Benefits to economy due to the specific project	76333.23	NPV of benefits to economy over project life @ 10% discount rate Royalty @ 14% of Basic ROM Price 2% on Royalty for National Mineral Exploration Trust 30% on Royalty for District Mineral Foundation Trust GST Compensation Cess @ Rs 400/T GST 5%
3	No of population benefited due to specific project	500 Nos.	Project Manpower (Departmental 200 + Outsourcing 300)
4	Economic benefits due to the direct and indirect employment due to the project	57056.59	NPV of estimated Wages for Project manpower and indirect benefits calculated for 5 times project manpower with prevailing unskilled wage rate of Telangana State.
5	Economic benefits due to compensatory afforestation	98.70	Calculated as per Standard Compensatory Afforestation Restoration Factor (SCARF) Adjustment Rate of Rs 0.65 Lakhs per ha for Dry Deciduous Forest Land for the proposed forest area to be diverted (based on Study Report by IIFM Bhopal)
TOTAL BENEFITS		144706.78	

TOTAL BENEFITS

144706.78

TOTAL LOSSES

4290.88

COST : BENEFIT RATIO

1 : 33.72

Forest Division Officer  
Yellandu Division

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 General Manager  
Singareni Collieries Company limited,  
Yellandu Area

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YELLANDU AREA