

Table-A: Cases under which a cost-benefit analysis for forest diversion is required

Sl. No	Nature of proposal	Applicable/ not applicable	Remarks
1	All categories of proposals involving forest land up to 20 hectares in plains and up to 5 hectare in hills	Not applicable	NA
2	Proposal for defense installation purposes and oil prospecting (prospecting only)	Not applicable	NA
3	Habitation, establishment of industrial units, tourist lodges complex and other building construction.	Not applicable	NA
4	All other proposals involving forestland more than 20 hectares in plains and more than 5 hectares in hills including roads, transmission lines, minor, medium and major irrigation projects, hydro projects, mining activity, railway lines, location specific installations like micro-wave stations, auto repeater centres, TV towers etc.	Applicable	Yes, applicable. Accordingly, CBA is submitted


 General Manager
 Yellandu Area, SCCL


ANNEXURE VIII


COST - BENEFIT ANALYSIS FOR PROJECTS INVOLVING FOREST LAND

APPLICATION FOR DIVERSION OF 694.159 Ha. OF FOREST LAND for KOCP III

I. Estimation of Costs

Sl No.	Parameters	Value in Rs lakhs	Remarks
1	Ecosystem Services losses due to proposed forest diversion	5574.10	NPV OF 694.159 Ha. OF FOREST LAND @ Rs 8.03 Lakhs/Ha
2	Loss of Animal Husbandry productivity, including loss of fodder	557.41	10% of NPV
3	Cost of Human Resettlement	8100.00	As per the prevailing R&R Package towards 375 Nos of PDFs @ Rs 20.00 Lakhs / PDF and a total of Rs 6.00 Crores towards 200 Nos of Structures
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 are no public facilities in the proposed area
5	Possession Value of forest land diverted	1672.23	30% of NPV
6	Cost of Suffering to Oustees	1057.22	1.5 times of two years wage cost of PDFs as per Minimum Wages
7	Habitat Fragmentation Cost	2787.05	50% of NPV
8	Compensatory afforestation and soil & moisture conservation cost	9024.07	Cost of compensatory afforestation and soil & moisture conservation @ Rs 6.5 Lakhs per Ha for twice the forest land involved
	TOTAL COSTS	28772.07	


Forest Division Officer
Kothagudem Division


General Manager
Singareni Collieries Company Limited,
Yellandu Area

PTO...

ANNEXURE IX


COST - BENEFIT ANALYSIS FOR PROJECTS INVOLVING FOREST LAND

APPLICATION FOR DIVERSION OF 694.159 Ha. OF FOREST LAND for KOCP III

II. Estimation of Benefits

Sl No.	Parameters	Value in Rs. lakhs	Remarks
1	Increase in productivity attributable to the specific project	39291.10	NPV of Project net cashflow at 100% performance level @ 10% discount rate
2	Benefits to economy due to the specific project	245404.77	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	620 Nos.	Project Manpower (Departmental + Outsourcing if any)
4	Economic benefits due to the direct and indirect employment due to the project	48822.63	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	451.20	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	333969.70	

TOTAL BENEFITS	333969.70
TOTAL LOSSES	25301.27
COST : BENEFIT RATIO	1 : 13.20


Forest Division Officer
Kothagudem Division


General Manager
Singareni Collieries Company limited,
Yellandu Area