Annexoure - 11

COST - BENEFIT ANALYSIS FOR PROJECTS INVOLVING FOREST LAND

ANNEXURE VIII

Table - A: Cases under which a cost benefit analysis for forest diversion are required APPLICATION FOR DIVERSION OF 929.29 Ha. (914.11 Ha UG Rights & 15.18 Ha Surface Rights) OF FOREST LAND for INDARAM MINING LEASE

	3 Habitatio complex	2 Proposal for defer (prospecting only)	· 1 All categorian plains a	No. Nature o
complex and other building construction	a assaultishmans of in Line 1. I had a south of a days	Proposal for defence installation purposes and oil prospecting (prospecting only)	All categories of proposals involving forest land upto 20 hectares in plains and upto 5 hectares in hills	Nature of Proposal
Not Applicable		Not Applicable	Not Applicable	Applicable / Not Applicable
These activities being detrimental to protection and conservation of forest, as a matter of policy, such proposals would be rarely entertained.		In view of the national Priority accorded to these sectors, the proposals would be critically assessed to help ascertain that the utmost minimum forest land is diverted for non-forest use	These proposals may be considered on a case to case basis and value judgement.	Remarks
Not Applicable		Not Applicable	Not Applicable	Applicability of present proposal

ore Forest Division Office | O

General Manager Srirampur Area

Singareni Collieries Company limited, General Manager

Srirampur Area,
The Singareni Collieries Company Limited
PO: Srirampur Colony,
Pist: Mancherial- 504 303
Telangana State.

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COST - BENEFIT ANALYSIS FOR PROJECTS INVOLVING FOREST LAND

			T				100
0		* 7 5 5			2	-	SI No.
Cost of Suffering to Oustees	Possession Value of forest land diverted	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.	Cost of Human Resettlement	nosbanary productivity, including loss of fodder	occof Animal Buckership and the second secon	ccusystem services losses due to proposed forest diversion	SI No. Parameters
0.00	895.37	0.00	0.00	298.46	123.41	2861.16	Value in Rs Lakhs
There is no involvement of R&R	30% of NPV	There are no public facilities in the proposed area	There is no R&R involved in this Forest Land	10% of NPV	NPV OF 15.18 Ha. OF FOREST LAND @ Rs 8.13 Lakhs/Ha	NPV OF 914.11 Ha. OF FOREST LAND @ Rs 3.13 Lakhs/Ha	Description of Estimation
	30% of environmental costs (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	To be quantified and expressed in monetary terms on actual cost basis at the time of diversio.	To be quantified and expressed in monetary terms as	To be quantified and expressed in monetary terms or 10% of NPV applicable whichever is maximum	Note: In case of National Parks, the NPV shall be ten (10) times the normal NPV and in case of Wildlife Sanctuary the NPV shall be five (5) times the normal NPV or otherwise Prescribed by the ministry or any other competent	Economic value of loss of eco-system services due to diversion of forests shall be the net present value (NPV) of the forest land being diverted as prescribed by the Central Government (MoEF&CC).	Guidelines for Estimation

FOREST FORSE TO PRINCIPLE OF THE COSTS NOT T

cost

Compensatory afforestation and soil & moisture conservation

121.44

Cost of compensatory afforestation and soil & moisture conservation @ Rs 4 Lakhs per Ha for twice the forest land

future at present discounted value.

The actual cost of compensatory afforestation and soil and moisture conservation and its maintenance in

pegged at 50% of NPV applicable as a thumb rule.

simplicity the cost due to fragmentation has been

While the relationship between fragmentation and forest goods and services is complex, for the sake of

shifted.

have earned in two years had he /she not been

The social cost of rehabilitation of oustees (in addition to the cost likely to be incurred in providing residence, occupation and social services as per R&R Plan) be

worked out as 1.50 times of what oustees should

involved

Habitat Fragmentation Cost

1492.29

50% of NPV

General Manager Strirampur Area

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Seirampur Area,
The Singareni Collieri

The Singareni Collieries Company Umited O. Srirampur Colony,

COST - BENEFIT ANALYSIS FOR PROJECTS INVOLVING FOREST LAND

APPLICATION FOR DIVERSION OF 929.29 Ha. (914.11 Ha UG Rights & 15.18 Ha Surface Rights) OF FOREST LAND for INDARAM MINING LEASE

Table - C: Existing guidelines for estimating benefits of forest diversion in CBA

	6.	388072.56 5792.14	TOTAL BENEFITS TOTAL LOSSES	
	6	388072.56	TOTAL BENEFITS	
penefits from such compensatory afforestation accruing over next 50 years monetised and discounted to the present value should be included as benefits of compensatory afforestation. *For benefits of CA the guidelines of the Ministry for NPV estimation may be consulted.	9.87 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	9.8	Economic benefits due to compensatory afforestation	S
As per Detailed Project Report	346058.42 NPV of estimated Wages for Project manpower and indirect benefits calculated for 5 times project manpower with prevailing unskilled wage rate of Telangana State.	346058.4	Economic benefits due to the direct and indirect employment due to the project	4
As per Detailed Project Report	4701 Nos Project Manpower (Departmental + Outsoucing if any)	4701 No	No of population benefited due to specific project	ω
	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			
The incremental economic benefit in monetary terms due to the activities attributed to the specific project	42004.27 NPV of benefits to economy over project life @ 10% discount rate	42004.2	Benefits to economy due to the specific project	2
To be quantified & expres	0.00 NPV of Project net cashflow at 100% performance level @ 10% To be quantified & expressed in monetary terms discount rate	0.0	Increase in productivity attributable to the specific project	н
Guidelines for Estimation	is Remarks	Value in Rs lakhs	Parameters	SI No.

COST : BENEFIT RATIO

1:67.00

Srirampur Area

The Singareni Collieries Company Limited PO: Srirampur Colony, Pist: Mancherial- 504 303 Srirampur Area, Csingareni Collieries Company limited,