

COST BENEFIT ANALYSIS AS PER GUIDELINES FOR FOREST LAND DIVERSION – 2017

COST ESTIMATION OF FOREST DIVERSION

THE ESTIMATED NPV COST OF THE FOREST LAND : Rs. 6,26,000/- per Ha.

(Eco value class-III, Canopy density 35%)

Sl.NO.	Parameters	Remarks
1.	Ecosystem services losses due to proposed forest diversion	Rs.6,26,000/-*125.24 ha. =Rs. 78400240
2.	Loss of animal husbandry productivity, including loss of fodder	10% of NPV = Rs.7840024/-
3.	Cost of human resettlement	1853 Project Displaced Families * Rs.938000/- R&R package each =1,73,81,14,000
4.	Loss of Public facilities and administrative infrastructure (Roads, building, 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
5.	Possession value of forest land diverted	30% of NPV =Rs. 23520072/-
6.	Cost of suffering to oustees	Rs.10000000 as bench mark value of land * 696.95 ha.*1.5=Rs.1045,42,50000
7.	Habitat fragmentation cost	50% of NPV = Rs.39200120
8.	Compensatory a forestation and soil & moisture conservation cost	Rs.1,40,000/- *125.24*1.2= Rs.210,40,320
9.	Total Cost :	Rs.1236,23,64,776/-

8/12/21

Staff Officer Forest
MCL Subhada Area

8/12/21

प्रकल्प अधिकारी
Project Officer
MCL, Subhada Area
एम. सि. एल. सुभद्रा क्षेत्र

ESTIMATE BENEFITS OF FOREST DIVERSION :-

TATAL PRODUCTION CAPACITY : 25.00 MT.

YEAR OF LIFE : 36 YEARS


TOTAL COAL RESERVE : 768830000 Te.

RATE OF COAL PER TONNE : Rs. 827/-per Te.

PROFIT TO PROJECT Rs. 337.31/-per Te. taking 100%
Capacity Utilization

SI. NO.	Parameters	Remarks
1.	Increase in Productivity attributed to the specific project	768830000 te.*Rs.827/- per tones = Rs.635,82,24,10,000
2.	Benefits to economy due to the specific project	76,88,30,000 te. * Rs.337.31 = Rs.259,33,40,47,300
3.	No. of population benefitted due to specific project	16952
4.	Economic benefits due to direct and indirect employment due to the project	4238
5.	Economic benefits due to Compensatory a forestation	140800.00*125.24ha.*12%*30years = Rs.63481651/-
	Total (SI.NO.2+SI.NO.5)	Rs. 259,39,75,28,951/-


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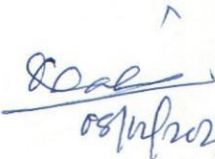
COST BENEFIT ANALYSIS RATIO

Benefit to economy :- Rs. 259397528951

Loss on Forests :- Rs. 12362364776

Cost –Benefit Ratio :- 1:20.98


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