

Cost Benefit Analysis in respect of diversion of 36.734 Ha. Forest Land of Bangwar UG Mine of Sohagpur Area, SECL (F/P/MP/MIN/29264/2017)

dated - 01.08.2017 issued by MoEF & CC, Govt. of India, New Delhi)
487.806 Ha.

(As per guideline
Project Area =

Table -B : Estimation of cost of forest diversion

S.No.	Parameters	Remarks	Cost (in Rs.)
1	Ecosystem services losses due to proposed forest diversion	Economic value of ecosystem services due to diversion of forests-NPV amount	2,41,35,000.00
2	Loss of animal husbandary productivity, including loss of fodder	Taken as 10% of NPV amount	24,13,000.00
3	Cost of human settlement	As per provision in Project Report, No human settlement required	—
4	Loss of public facilities and administrative infrastructure (Roads, building, School, dispensaries, electric lines, railways etc.,)	No such public facilities and administrative infrastructure such as roads, building, School, dispensaries, electric lines etc are available in the proposed forest land for diversion, thus no loss will be occurred due to the proposed diversion.	—
5	Possession value of forest land diverted	It is a case of proposal for diversion, thus possession value of forest land diverted is taken as 30% of NPV	72,40,000.00
6	Cost of suffering to outtees	—	—
7	Habitat fragmentation cost	Cost due to fragmentation (50% of NPV)	1,20,67,500.00
8	Compensatory Afforestation and soil & moisture conservation cost	Approve cost of compensatory afforestation at present discounted value	3,67,34,000.00
		Soil & moisture conservation cost 25% of the CA cost	91,83,500.00
		TOTAL =	91,77,30,000.00

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Table 'C : Estimation of cost of forest diversion

S.No.	Parameters	Remarks	Cost (in Rs.)
1	Increase in productively attribute to the specific project	Quantified and expressed in monetary terms avoiding double counting	—
2	Benefit to economy due to the specific project	Calculated on the basis of incremental economic benefit in monetary terms due to the activities attributed to the specific project. (As per project report) Estimated cost : Rs. 1630.38 X 532000 Te. = Rs. 867362160.00 (As per provisional cost sheet of may 2018)	86,73,62,160.00
3	No. of population benefitted due to specific project	As per project Report	Direct Employment : 895 Indirect Employment : 200 (Deployment of existing manpower)
4	Economic benefits due to direct and indirect employment due to the project	As per project Report	Direct Employment : Existing departmental manpower will continue to get all benefit including salary. Indirect Employment : There is scope of spontaneous economic stimulus in the area to the project. Indirect employment opportunity will be generated in associated and ancillary activities.
5	Economic benefits due to Compensatory afforestation	Benefit from such compensatory afforestation accruing over next 50 years monetized and discounted to the present value should be included as benefits of compensatory afforestation @ 600000/ Ha. X applied x average forest density = 600000 x 36.734 x 0.5	1,10,20,200.00
TOTAL			87,88,82,360.00
Cost Benefit Ratio			1:1.04

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