


**Cost Benefit Analysis in respect of diversion of 94.293 Ha revenue forest land of  
Gevra OC Mine of Gevra Area, SECL**  
(As per New guideline Dtd:01.08.2017 issued by MoEF&CC, Govt of India, New Delhi)  
Project Area= 4781.788 Ha.

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 (As per PR)	94293000.00
2	Loss of animal husbandry productivity, including loss of fodder	Taken as 10% of NPV amount	9429300.00
3	Cost of human settlement	As per provision in Project Report	3042482000.00
4	Loss of public facilities and administrative infrastructure (Roads, building, schools, dispensaries, electric lines, railways etc.,)	No such public facilities and administrative infrastructure such as roads, building, schools, dispensaries, electric lines etc are available in the proposed forest land for diversion, thus no loss will be occurred due to the proposed diversion.	0
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	28287900.00
6	Cost of suffering to oustees	Subsistence allowance for 7000 PAPs @ 220 x 25 x 12 calculated @ 1.5 times for two years.(As per PR)	1386000000
7	Habitat fragmentation cost	Cost due to fragmentation (50% of NPV)	47146500.00
8	Compensatory Afforestation and soil & moisture conservation cost	Actual cost of compensatory afforestation at present discounted value	136963977.05
		Soil & moisture conservation cost 25% of the CA Cost	34240994.26
		<b>Total</b>	<b>4778843671.31</b>

  
General Manager  
SECL Gevra Area


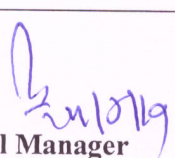
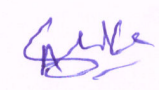
  
Nodal Officer (Envnt/Forest)  
SECL Gevra Area

Table-C:- Estimation of benefits of forest diversion:-			
S.No	Parameters	Remarks	Benefit (in Rs.)
1	Increase in productively attribute to the specific project	Quantified and expressed in monetary terms avoiding double counting	0
2	Benefits 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 profit @ Rs. 355.98/te.(As per PR) of coal production x 70MT (As per PR)	24918600000
3	No. of population benefitted due to specific project	As per EIA/EMP	Direct Employment:2677 Indirect Employment:3839
4	Economic benefits due to direct and indirect employment due to the project	As per EIA/EMP	<b>Direct Employment:</b> Compensation of land, household & other belonging of the effected people will be paid and also land plots will be allotted to all PAPs at fully developed R&R site. <b>Indirect Employment:</b> There is scope of spontaneous economic stimulus in the area to the project.Traders and private enterprises will grow in the area with this economic growth.Project will lead to development of ancillary industries and an overall economic growth of nearby towns to supplement the population of the area.
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. Standard gain x applied area x average forest density=150.50 lakhs x 94.293 x 0.4	567643860.00
	<b>Total</b>		<b>25486243860.00</b>
	<b>Cost Benefit Ratio</b>		<b>1:5.3</b>

  
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