

Cost Benefit Analysis
Cost benefit analysis in respect of diversion of 206.826 Ha. Forest land underground coal mining in

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

S.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 hectares in hills.	Not applicable			
2	Proposal for defence installation purposes and oil prospecting (prospecting only).	Not applicable			
3	Habitation, establishment of industrial units, tourist lodges complex and other building construction.	Not applicable			
4	All other proposals involving forest land 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-waves stations, auto repeate centers, TV towers etc.		The proposed project is for diversion of 206.826 Ha. Forest Land (protected forest) for Underground coal mining at Tandsi Mine, Kanhan Area, Western Coalfields Limited, Tehsil Junnardeo, Dist. Chhindwara, Madhyapradesh,480555		

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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.	Loss of animal husbandry productivity, including loss of fodder.		Ecosystems services losses due to proposed forest diversion.	S.NO. Parameters
No such diversion is envolved.	no human resettlement is envolved.	It is Underground so no loss of animal husbandry productivity		Economic value of loss of ecosystem services due to proposed diversion of Forest NPV amount of forest land being diverted as prescribed by Central Government (MOEF&CC)	Remarks.
	Nill	pandry productivity. Nill	= Rs. 6,35,26,088.80/- (Approx) The cost will be decided by Foresthe same amount as per direction of Forest Dept.	rsion of Forest shall be Rs. 12,2 as forest as per Handbook prescribed by Central G Underground Mining he Total forest area = 206 Environment loss = 206	Cost in Rs.
			= Rs. 6,35,26,088.80/- (Approx) The cost will be decided by Forest Dept., User agency is committed to deposit the same amount as per direction of Forest Dept.	s of ecosystem Services due to proposed diversion of 8,590/- Ha. (NPV rate as per ECO value of Class III(c) Guideline of MOEF & CC, Gol dated 08(01/2002) As overnment (MOEF & CC) Since the project is for nce NPV value is considered at 25% & 5%. 826 ha. 1.826 Rs. 12,28,590 X 25 %	

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compensatory Afforestation and soil & moisture conservation cost.		Habitat Fragmentation Cost.	Cost of suffering to oustees.	Possession value of forest land diverted.
not applicable	Nill	No fragmentation is involved	No rehabilitation or shifting is involved in this project	The project is an underground mine whole forest land will be handed to Nill forest dept.

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Total cost sl no 01 to 08 Rs. 6,35,26,088.80/-/-

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Economic benefits due to Compensatory Afforestation.	Economic benefits due to of direct and indirect employment due to the project.	No. of population benefited due to specific project.	Benefits to economy due to the specific project.	Increase in productively attribute to the specific project.	Parameters	Table- C - Existing guideling
Benefits from such compensatory Afforestation accruing over next 50years monetized and discounted to the present value should be included as benefits of compensator Afforestation.			various statutory levies have been considered	total 3.36 MT coal expected.	Remarks Remarks	The for oating to
of compensatory afforestation.	Direct = 682x Rs. 191972.82 x 120 (month) = Rs. 15711055588.80/- Indirect = 1500x Rs. 20000 x (120 month) = Rs. 3,00,00,000/- Total = Rs. 15741055588.8/-	Direct = 682 Nos. Indirect = 200 Nos. Employment generated on non forest land in Afforestation programme. Local people will have income opportunity in various ancillary work & other activities.	APPROXIMAte 15 % sale value = 1699358400	Benefits (in Rs.) 33,36,000 Tes @ Rs 3396.00/Te. (WG-IV) = Rs.	of forest-diversion in MCR	á



Total benefits due to diversion of forest land for non forest activity = 28769469989.00- COST BENEFIT

ANALYSIS 1- Total benefit to the society: Rs. 28769469989/- 2- Total cost to the society

3- Cost Benefit Ratio Rs.63526088.80/-

452.876

Tondor Mine Suirveyor 18/23

Rs. 28769469989/- f Rs.63526088.80/-

TSA Agent 28-10-22

Kanhan Aprea

Area Planning officer

Area General Manager
W.C.L. Kanhan Area