

Table C: Estimation of Cost of Forests Diversion Taking age of the Road = 50 years.

S.N	Parameters	Estimated cost
1	2	3
1	Increase in Productvity attributable to the Specific Project	Vagetable and Fruits = 80 Qttl @ 1200.00 = 96000.00 For 50 years = 96000x50=48.00 lack
2	Benefits to economy due to the Specific Project	about Rs 2.00 lakhs due to milk production, Vagetable and Fruits, tourism and other mining winesal materials
3	No. of Population benefited due to the Specific Project	249 peoples.
4	Ecomic benefits due to direct and Indirect Employment due the Project	 (i) 200 temprary labours in this projet will get employment to local youth, their social, economic, cultural, emotional life that will be 200 x 300 x 365 x 2 = 438.00 lack (ii) Making development = 10 shops as establised after constation of road taking minimum benift for per shop per day Rs 250 for 10 shops@month = 10x30x250x12 = 9.00 lack (iii) Tourism activities will be increaed by atlent deat 5 people benifit. For 50 yrs = 100000x5x50 = 250.00 lack
5	Cost of aquirition of facility on non forest land neheraer fearable.	Total nap land = 425 x 9.00 = 3825 = 0.383 ha. @ Rate 2200000.00 = 8.42 lack
	Total benefits derived from the project	Rs. 753.42 lack
	Total serients derived from the project	No. 733.42 ldCK

Benefit Cost Ratio = 75342602.00/16875170.00 = 4.4647.00

It is clear from above analysis that construction of Masrana kimoi Motar Road is more k than Environmental losses.

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Bachan Singh Letter 2013



COST BENEFIT ANALYSIS

(As per MOEF & CC guideline no. 7-69/2011-FC(pt.) dated 1st August 2017)

Table B: Estimation of Forests Diversion

S.NO	Parameters	Estimated cost		
1	2	3		
Proposed of ecosystem services) of the		The estimated NPV (Economic value of losee of ecosystem services) of the 5.3025 ha. Forest land is Rs. 4979048.00 Lakhs.		
2	Loss of Animals husbandry productivity Including loss of fodder	10% of NPV = Rs. 497905.00		
3	Cost of human resettlement	There is no displacement due to the project. There fore the cost of human settlement is Rs. 0.00		
4	Loss of public facilities and administrative Infrastructure (Roads Buildings Schools Dispensaries Electric lines Railways etc.) On which would require forest land if These facilities were diverted due to the Project.	No loss of public facilities and administrative infrastructure due to the project. Therefore loss is Rs. 0.00		
5	Possession value of Forests Land diverted	30 % of NPV = Rs. 1493715.00 lakhs.		
6	Cost of suffering to oustees	No suffering of oustees. Therefore the cost of surffering to oustees is Rs. 0.00		
7	Habitat fragmentation cost	50% of the NPV = Rs. 2489524.00		
8	Compensatory afforestation and soil & Moisture Conservation cost	The estimated cost for raising the C.a 10.605 ha. Is Rs 2686586.00 lakhs for 10 years. Considering discounting rate 12% for future 50 years the present value is Rs. 4728392 lakhs.		
	Total Environmental Loss	Rs. 16875170.00		

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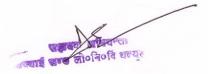
Cost Benefit Ratio Chart

Name of Project :- मसराना से किमोई में मोटर मार्ग का निर्माण

Block :- जौनपुर

Disti:- टिहरी गढवाल

S.N0.	Particulars	Amount	Remark	
1	Total cost (Investment incred)	1000	लााख	
(A)	Construction cost of Project	102.00		
(B)	N.P.V. Amount to be disposed @9.20 lak/	20046	alct	
	Hactare= . \$ 3025 x 9120	1	04129	
(C)	Substitule/Alternation Planlation Cost to be	2104	ct 104	
	Disposed :-	3:06	MIGT	
	Total	127.56	critar	
2	Bebefits:-	रो मिक्स	गता की थातान पर्यान भवार	DA O
	Bebefit from (Taking Age of Rpad As 50		माकी में दि	
	Years)	6 100	2 3/100/110	1000
(A)	Economics Benefits-Market Development	4 100 8	रोभगा धारे प	272
	Taking	東北京	व्यानाथ प्रवास	अरो।
(B)	Direct Employment of Labours-		न्ता जीवी न	
(C)	Employment Generation Due to other	मार्य से प्रदेश	ही राजमंत्र मार	राव
	activities	रहराक्ष्म पर	ज्या से भागत	nu
Note	Therefore construction of Economically	(13(31)	1	
	Viable and social beneficial.			



Executive Engineer Temporary Division P.W.D.