

Table C: Estimation of Cost of Forests Diversion

Taking age of the Road = 50 Years

S. No.	Parameters	Estimated Cost
1	2	3
1	Increase in Productivity attributable of the Specific Project	Vegetable and Fruits = 100 Qttl @ 1500.00 = 150000 For 50 Years = 150000x50 = 75.00 Lack
2	Benefits to economy due to the Specific Project	About Rs. 6.25 Lack due to milk production Vegetable and Fruits, Tourism and other mining mineral materials
3	No. of Population benefited due to the Specific Project	2503 Peoples.
4	Economic benefits due to direct and indirect Employment due the Project	(i) 250 temporary labours in this project will get employment to local youth, their social, economic, cultural, emotional life that will be ----- 250x300x365x2 = 547.50 lack (ii) Making development = 12 shops as established after construction of road taking minimum benefit for per shop per day Rs 250 for 120 shops @ month = 12x30x25x120 = 10.80 lack (iii) Tourism activities will be increased by atleast 5 people benefit. For 50 years = 100000x5x50 = 250.00 lack
5	Cost of acquisition of facility on non forest land neither a fearable	Total nap land = 1074x9.00 = 9666 = 1.074 @ Rate 2200000.00 = 23.62
	Total benefits derived from the project	913.17 Lack

Benefit Cost Ratio = 91317000/2763851.60 = 3.304

It is clear from above analysis that construction of Kyari-Masras Motor Road is more than Environmental losses.

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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
1	Ecosystem services Losses due to proposed Forest diversion	The estimated NPV (Economic value of loss of ecosystem services) of the 12.222 Forest land is Rs. 9814266.00 Lack.
2	Loss of Animals husbandry productivity including loss of fodder	10% of NPV= Rs. 981426.60
3	Cost of human resettlement	There is no displacement due to the project. Therefore 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. 2944279.80
6	Cost of suffering to oustees	No suffering of oustees. Therefore the cost of suffering to oustees is Rs. 0.00
7	Habitat fragmentation cost	50% of the NPV= Rs. 4907133.00
8	Compensatory afforestation and soil & Moisture Conservation cost	The estimated cost for raising the C.a 24.444 ha. Is Rs. 7492844.00 lacks for 10 years. Considering discounting rate 12% for future 50 years the present value is Rs. 8991412.80 Lacks.
	Total Environmental Loss	Rs. 27638517.60


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