

WORKSHEET FOR CALCULATION OF COST BENEFIT RATIO

COST (Evaluation of loss of Forest)

Sl. No.	Parameters	Quantity	Rate	Amount (Rs. Cr.)
1	Loss of Value of Timber, Fuel Wood and Minor Forest Produce on an annual basis including loss of man hour per annum of people who derived livelihood and wages from harvest (A) Trees as per Inventory (B) Fuel Wood/Shrub	807 100	2500 500	0.20175 0.005
2	Loss of Animal Husbandry, productivity	0	0	0
3	Loss of Fodder	0	0	0
4	Loss of Human Resettlement			6.24
5	Loss of Public Facility & Administrative Infrastructure etc. (Roads, Buildings, School, Utility)			1.8
6	Environmental Loss (Soil Erosion, Effect on Hydrological Cycle, Wildlife Habitat, Micro climate change etc.) A) Moderate Dense Forest B) Open Forest C) Degraded Forest	0.00 6.55 0.00	1043000 1043000 730000	0 0.6833736 0
7	Project Cost			29.71
TOTAL				38.6701236

BENEFITS (Evaluation of Benefits)

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Sl. No.	Parameters	Details of Calculations		Amount (Rs. Cr.)
1	Economic Improvement in the Project districts considering 15% enhanced growth rate in the GDP against normal benefit will be for 5 years at enhanced rate of 15% and growth rate due to the project. This 10 years for enhanced 5% rate (Current GDP of the state @ 14,000 Crore / annum in 2014-15)	96436.44379		964.3644379
2	Benefits on vehicle operation & maintenance cost due to improvement of the project Road	0.2 cr. x 30		6
3	Employment Potential - Construction			
	Skilled Labour	30 x 600 x 365 x 1	6570000	0.657
	Semi-skilled Labour	70 x 350 x 365 x 1	8942500	0.89425
	Technical People	10 x 2000 x 365 x 1	7300000	0.73
4	Employment Potential - Maintenance			
	Skilled Labour	3 x 600 x 365 x 30	19710000	1.971
	Semi-skilled Labour	5 x 350 x 365 x 30	19162500	1.91625
	Technical People	2 x 2000 x 365 x 30	43800000	4.38
		TOTAL		980.9129379
		COST BENEFITS RATIO:		38.6701236 / 980.9129379
				1 / 25.36617023

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