

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	2858	2500	0.7145
	(B) Fuel Wood/Shrub	315	500	0.01575
2	Loss of Animal Husbandry, productivity	0	0	0
3	Loss of Fodder	0	0	0
4	Loss of Human Resettlement			63.9
5	Loss of Public Facility & Administrative Infrastructure etc. (Roads, Buildings, School, Utility)			21.3
6	Environmental Loss (Soil Erosion, Effect on Hydrological Cycle, Wildlife Habitat, Micro climate change etc.)			
	A) Moderate Dense Forest	8.82	1043000	0.9202389
	B) Open Forest	24.17	730000	1.764045
	C) Degraded Forest	27.62	730000	2.016041
7	Project Cost			426
TOTAL				516.6305749

BENEFITS (Evaluation of Benefits)

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)	417891.2564		4178.912564
2	Benefits on vehicle operation & maintenance cost due to improvement of the project Road	220.48 cr. X 30		6614.4
3	Employment Potential - Construction			
	Skilled Labour	200 x 600 x 365 x 3	131400000	13.14
	Semi-skilled Labour	120 x 350 x 365 x 3	45990000	4.599
	Technical People	30 x 2000 x 365 x 3	65700000	6.57
4	Employment Potential - Maintenance			
	Skilled Labour	40 x 600 x 365 x 30	262800000	26.28
	Semi-skilled Labour	15 x 350 x 365 x 30	57487500	5.74875
	Technical People	5 x 2000 x 365 x 30	109500000	10.95
TOTAL				10860.60031
COST BENEFITS RATIO:			516.6305749	10860.60031
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