

प्रारूप-29**Cost Benefit Ratio**


कार्य का नाम — जनपद उत्तरकाशी में प्रधानमंत्री ग्राम सड़क योजना के अन्तर्गत प्रस्तावित सौड़ से ओसला मोटर मार्ग के नव निर्माण हेतु वन भूमि हस्तान्तरण प्रस्ताव.

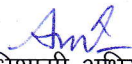
विकास खण्ड — मोरी

लम्बाई — 28.100 किमी०

Table - A

Sr.No.	Particulars	Amount (Lacs)
1	Eco system services losses due to proposed forest diversion. (as per table B)	145.96 lacs
2	Loss of animal husbandry productivity including los of fodder.(As per table B)	14.60
3	Cost of human resettlement. (as per table B)	Nil
4	Loss of public facilities and administrative infrastructure (Roads, Buildings, Schools, Dispensaries, Electric lines, Railways etc.) on forest land which would require forest land for these facilities was diverted due to the project. . (as per table B)	69.70
5	Possession value of forest land diverted. . (as per table B)	43.79
6	Cost of suffering to outees. . (as per table B)	Nil
7	Habitation Fragmentation cost. (as per table B).	72.78
8	Compensatory Afforestation and soil and moisture conservation cost. . (as per table B)	136.20
Total Cost of forest diversion (in Lacs)		483.23
Cost of Benefit of forest diversion		
1	In case in productivity attribute to the specific project. (as per table C)	180.00
2	Benefit to economy due to the specific project. . (as per table C)	1350.00
3	Economic benefits due to of direct and indirect employment due to the project. . (as per table C)	2800.00
4	Economic benefits due to compensatory Afforestation. . (as per table C)	394.95
Total Cost of Benefits of forest diversion(In lacs)		4724.95
Therefore construction of economically viable and social beneficial Benefit Cost Ratio=4724.95/483.23=9.77 i.e.>1.00		


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प्रारूप-29.1


कार्य का नाम — जनपद उत्तरकाशी में प्रधानमंत्री ग्राम सड़क योजना के अन्तर्गत प्रस्तावित सौड़ से ओसला मोटर मार्ग के नवनिर्माण हेतु वन भूमि हस्तान्तरण प्रस्ताव।


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Table - B
COST BEBENIT ANALYSIS (Estimation of cost of forest diversion)

Sr. No.	Parameters	Details
1	Eco system services losses due to proposed forest diversion.	Take N.P.V. Rs.14596240.00 or 145.96 Lacs
2	Loss of animals husbandry productivity including loss of fodder.	Rs. 1459624.00 or 14.60 Lacs (10% of N.P.V. i.e.145.96 lacs)
3	Cost of human resettlement	Nil
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.	Rs. 69.70 lacs Utility shifting & reconstruction cost proposed as per D.P.R.
5	Possession value of forest land diverted.	Rs.4378872.00 or 43.79 lacs (30% of N.P.V. i.e.145.96 lacs)
6	Cost of suffering to outeers.	N/A
7	Habitation Fragmentation cost.	Rs. 7298120.00 or 72.98 lacs (50% of N.P.V. i.e. 145.96 lacs)
8	Compensatory Afforestation and soil and moisture conservation cost.	Rs. 13620092.00 or 136.20 lacs (compensatory plantation)
	Total	483.23 lacs


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प्रारूप-29.2


कार्य का नाम :- जनपद उत्तरकाशी में प्रधानमंत्री ग्राम सड़क योजना के अन्तर्गत प्रस्तावित सौड़ से ओसला मोटर मार्ग के नव निर्माण हेतु वन भूमि हस्तान्तरण प्रस्ताव.

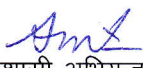
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Table - C
Estimating of benefits of forest diversion in CBA

Sr.no.	Parameters	Details
1	In case in productivity to the specific project.	Vegetables and fruits =300 Qtl. Per year @Rs. 1200.00 per Qtl.=300x1200=360000.00 Benefit for 50 year = 360000.00x50 = 18000000 or 180.00 lacs
2	Benefits to economy due to the specific project	Market development- taking 30 shops are established after construction of the road taking minimum benefit per shop per day Rs. 250.00/- For 30 shops per year:- =12x30x250x30 = Rs.2700,000.00 or 27.00 lacs Benefit for 50 year :-2700000.00x50=135,000,000.00 or 1350.00 lacs
3	No. of population benefited due to specific project.	3278
4	Economic benefits due to of direct and indirect employment due to the project.	Employment generation due to other activities like transportation, market development etc. take 35 people get per month @ Rs.5000 per month Benefit of 50 year:-35x5000x12x50=105,000,000.00 or 1050.00 lacs Tourism:-Employment growth due to tourism activities.= 50000.00 per year per man if 105 people get employment Benefit for 50 year:-50000x70x50 =Rs.175000000.00 or 1750.00 lacs
5	Economic benefits due to compensatory Afforestation.	Economic value as per guideline of ministry i.e 50%Timber@1/2x32170x44.433x50=35735240.25 50% Fuelwood@1/2x3385x44.433x50=3760142.63 Total Rs. 39495382.88 or 394.95 lacs
6	Total	4724.95 lacs


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