

Annexure "B"

परियोजना का विवरण:- मा0 मुख्यमंत्री घोषणा सं0 902/2017 के अन्तर्गत जनपद पिथौरागढ़ के विधान सभा क्षेत्र धारचूला में दोबांट-रांथी हल्का वाहन मार्ग का विस्तारीकरण कार्य।

Block:- Dharchula

District:- Pithoragarh


Road Length:- 7.075 Km

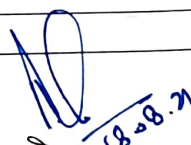
Forest Land:- 5.175Hac

Nap Land:- 1.192 Hac

Population:- 4873 Nos

S.NO.	Parameters	Details
1.	Ecosystem services loss due to proposed forest diversion.	The estimate NPV (Economic value of loss of ecosystem services) of the 5.60hac forest land- Rs. 34.00 Lakh
2.	Loss of animal husbandry productivity, including loss of fodder.	10% of NPV= 3.40Lakh
3.	Cost of human settlement.	There is no displacement due to the project. Therefore, the cost of human settlement is Rs. Nil..
4.	Loss of Public facilities and administrative infrastructure (Roads, Buildings, Schools, Electric Line, Railway etc) on forest land or which would require forest land if these facilities were derived due to the project.	No loss of public facilities and administrative infrastructure due to the project. Therefore loss is Rs. Nil..
5.	Possession value of forest land diverted.	30% of NPV= 10.20 Lakh
6.	Cost of suffering to outtees.	No suffering to outtees. Therefore the cost of suffering to outtees is Rs. Nil..
7.	Habitat fragmentation cost	50% of the NPV= 17.00 Lakh
8.	Compensatory Afforestation and soil & moisture conservation cost.	The estimated cost for raising the CA in 10.350 hac is Rs. 38.39 Lakh for 10 year considering discounting rate 12% for future 50 years, the present value is Rs. 187.34 Lakh.
Total benefits derived from the project		Rs. 251.94 Lakh


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Annexure "C"

परियोजना का विवरण:- मा0 मुख्यमंत्री घोषणा सं0 902/2017 के अन्तर्गत जनपद पिथौरागढ़ के विधान सभा क्षेत्र धारचूला में दोबांट-रांथी हल्का वाहन मार्ग का विस्तारीकरण कार्य।

District:- Pithoragarh

Block:- Dharchula


Road Length:- 7.075 Km

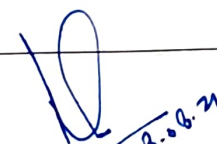
Forest Land:- 5.175Hac

Nap Land:- 1.192 Hac

Population:- 4873 Nos

S.NO.	Parameters	Details
1.	Increase in productivity attributable to the specific project	Vegetation and fruits= 300Qtl.@Rs. 400000.00 for 50 years 400000x50= Rs. 200 Lakh.
2.	Benefits to economy due to the specific project.	About 5 Lakh due to milk Production vegetation, fruits, tourism and other mining material per amount for years.
3.	No. of population benefited due to specific project	4873
4.	Economic benefits due to direct and indirect employment due to project.	Direct employment of labour:- Benefit for annual maintenance of the road for one month @ RS, 8000.00 Benefit for 20 Beldar= Rs.8000.00x20= Rs.160000.00 Benefit for 1 year= Rs. 160000.00x12= Rs. 1920000.00 Benefits for 50Year= Rs. 1920000.00x50= Rs. 96000000.00 Market Development taking 16 shops are to be established after construction of roads. Benefit for 1 month 16x30x450 = Rs. 216000.00 Benefit of 15 shops for 1 year 12x216000 = Rs. 2592000.00
5.	Economic benefits due to Compensatory afforestation.	The annual income of timber and fuelwood, carbin, ecotourism, fodder and watershed services from CA is approx Rs= 0.80 Lakh per annum for 50 years= Rs. 0.80x50= 40 Lakh.
Total benefits derived from the project		Rs. 1230.9 Lakh.


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Annexure "D"


SUMMARY OF COST BENEFIT ANALYSIS FOR THE PROJECT OVER A 50 YEAR PERIOD:-


Total Loss of Forest = 251.94 Lakh

Total Benefit of Forest = 1230.9 Lakh

Net Benefit for the Project = 1230.9 - 251.94
= 1978.96 Lakh

Cost Benefit Ratio = $1230.9/251.94 = 4.90$


(डॉ. जी. के. पाटील)
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