

Annexure "B"

परियोजना का विवरण:- जनपद पिथौरागढ़ में पिथौरागढ़ तवाघाट मोटर मार्ग के किमी 72.00 (दुंगातौली / विनियार्गोव) से किमी 107.600 (तवाघाट) तक मोटर मार्ग का चौड़ीकरण (कुल लम्बाई 35.600)।

Block:- Dharchula

District:- Pithoragarh

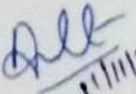
Road Length:- 35.600 Km

Forest Land:- 29.69Hac

Nap Land:- 8.310 Hac

Population:- 19210 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 29.69hac forest land- Rs. 195.00 Lakh
2.	Loss of animal husbandry productivity, including loss of fodder.	10% of NPV= 19.5Lakh
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= 58.50 Lakh
6.	Cost of suffering to outeers.	No suffering to outeers. Therefore the cost of suffering to outeers is Rs. Nil.
7.	Habitat fragmentation cost	50% of the NPV= 97.50 Lakh
8.	Compensatory Afforestation and soil & moisture conservation cost.	The estimated cost for raising the CA in 59.38 hac is Rs. 220.00 Lakh for 10 year considering discounting rate 12% for future 50 years, the present value is Rs. 968.00 Lakh.
Total loss derived from the project		Rs. 1050.5 Lakh


11/11/21
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Annexure "C"

परियोजना का विवरण:- जनपद पिथौरागढ़ में पिथौरागढ़ तवाघाट मोटर मार्ग के किमी 72.00 (ढुंगातोली / विनियारगौव) से किमी 107.600 (तवाघाट) तक मोटर मार्ग का चौड़ीकरण (कुल लम्बाई 35.600)।

Block:- Dharchula

District:- Pithoragarh

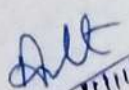
Road Length:- 35.600 Km

Forest Land:- 29.69Hac

Nap Land:- 8.310 Hac

Population:- 19210 Nos

S.NO.	Parameters	Details
1.	Increase in productivity attributable to the specific project	Vegetation and fruits= <u>400Qtl @Rs.</u> 800000.00 for 50 year $800000 \times 50 =$ Rs. 400 Lakh.
2.	Benefits to economy due to the specific project.	About 8 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	19210
4.	Economic benefits due to direct and indirect employment due to project.	<p>Direct employment of labour:- Benefit for annual maintenance of the road for one month @ RS, 20000.00 Benefit for 20 Beldar= $Rs. 20000.00 \times 20 =$ Rs. 400000.00 Benefit for 1 year= $Rs. 400000.00 \times 12 =$ Rs. 4800000.00 Benefits for 50 Year= $Rs. 4800000.00 \times 50 =$ Rs. 240000000.00</p> <p>Market Development taking 25 shops are to be established after construction of roads. Benefit for 1 month $25 \times 30 \times 600 =$ Rs. 450000.00 Benefit of 25 shops for 1 year $12 \times 450000 =$ Rs. 5400000.00</p>
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= 2.5 Lakh per annum for 50 years= $Rs. 2.50 \times 50 =$ 125 Lakh.
Total benefits derived from the project		Rs. 2987 Lakh.


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Annexure "D"

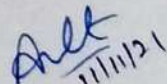
SUMMARY OF COST BENEFIT ANALYSIS FOR THE PROJECT OVER A 50 YEAR PERIOD:-

Total Loss of Forest = 1050.5 Lakh

Total Benefit of Forest = 2987.00 Lakh

Net Benefit for the Project = $2987.0 - 1050.5$
= 1936.5 Lakh

Cost Benefit Ratio = $2987/1050.5 = 2.84$


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