

Annexure "B"

परियोजना का विवरण:- जनपद पिथौरागढ़ में मा0 मुख्यमंत्री घोषणा सं0 1710/2015 के अन्तर्गत विधान सभा क्षेत्र डीडीहाट के अन्तर्गत लछैर से कटियानी मोटर मार्ग का नव निर्माण कार्य।

Block:- Munakot

District:- Pithoragarh


Road Length:- 12.00Km


Forest Land:- 5.60Hac

Nap Land:- 5.2Hac

Population:- 662

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. 36.79Lakh
2.	Loss of animal husbandry productivity, including loss of fodder.	10% of NPV= 3.68Lakh
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= 11.04Lakh
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= 18.40 Lakh
8.	Compensatory Afforestation and soil & moisture conservation cost.	The estimated cost for raising the CA in 11.20hac is Rs. 23.87 Lakh for 10 year considering discounting rate 12% for future 50 years, the present value is Rs. 116.49 Lakh.
Total benefits derived from the project		Rs. 186.40 Lakh


(E.A. SUNIL KUMAR)
सहायक अभियन्ता
ग्रामीय खण्ड, लो0नि0वि0
पिथौरागढ़


(E.A. G.T. TIWARI)
अभियन्ता
ग्रामीय खण्ड लो0नि0वि0
पिथौरागढ़

Annexure "C"

परियोजना का विवरण:- जनपद पिथौरागढ़ में मा0 मुख्यमंत्री घोषणा सं0 1710/2015 के अन्तर्गत विधान सभा क्षेत्र डीडीहाट के अन्तर्गत लछैर से कटियानी मोटर मार्ग का नव निर्माण कार्य।

Block:- Munakot

District:- Pithoragarh


Road Length:- 12.00Km


Forest Land:- 5.60Hac

Nap Land:- 5.2Hac

Population:- 662

S.NO.	Parameters	Details
1.	Increase in productivity attributable to the specific project	Vegetation and fruits= <u>200Qtl.@Rs.</u> 300000.00 for 50 years $300000 \times 50 = \text{Rs. } 150 \text{ Lakh.}$
2.	Benefits to economy due to the specific project.	About 1 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	662
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, 6000.00 Benefit for 15 Beldar= $\text{Rs. } 6000.00 \times 15 = \text{Rs. } 90000.00$ Benefit for 1 year= $\text{Rs. } 90000.00 \times 12 = \text{Rs. } 1080000.00$ Benefits for 50Year= $\text{Rs. } 1080000.00 \times 50 = \text{Rs. } 54000000.00$ Market Development taking 15 shops are to be established after construction of roads. Benefit for 1 month $15 \times 30 \times 250 = \text{Rs. } 112500.00$ Benefit of 15 shops for 1 year $12 \times 112500 = \text{Rs. } 1350000.00$
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= 0.50 Lakh per annum for 50 years= $\text{Rs. } 0.50 \times 50 = 0.25 \text{ Lakh.}$
Total benefits derived from the project		Rs. 1415.25 Lakh.


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सहायक अभियन्ता
प्रान्तीय खण्ड लो0नि0वि0
पिथौरागढ़


(E.A. G.C. TIWARI)
अधिसहाय अभियन्ता
प्रान्तीय खण्ड लो0नि0वि0
पिथौरागढ़

Annexure "D"


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


Total Loss of Forest = 186.40 Lakh

Total Benefit of Forest = 1415.25 Lakh

Net Benefit for the Project = 1415.25- 186.40
= 1228.85 Lakh

Cost Benefit Ratio = 1415.25/186.40= 7.59


(E.A. SUNIL KUMAR)
सहायक अभियन्ता
प्रान्तीय खण्ड लो०नि०वि०
पिथौरागढ़


(E.A. G.C. TIWARI)
अधिरक्षक अभियन्ता
प्रान्तीय खण्ड लो०नि०वि०
पिथौरागढ़