


लागत लाभ विश्लेषण का प्रमाण पत्र

परियोजना का नाम:— जनपद चम्पावत में प्रधानमंत्री ग्राम सड़क योजना के अन्तर्गत प्रस्तावित, टकनागूठ से डांडामल्ला मोटर मार्ग (16.000 किमी०) के नव निर्माण हेतु वन भूमि हस्तान्तरण प्रस्ताव।

प्रमाणित किया जाता है कि उक्त योजना के निर्माण में चयनित वनभूमि 9.140 हे० भूमि प्रभावित हो रही है जो 5 हे० से अधिक प्रभावित हो रही है। अतः लागत लाभ विश्लेषण प्रमाण पत्र संलग्न है।


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सहायक अभियन्ता
सिंचाई खण्ड, लो०नि०वि०
चम्पावत

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आवासि अभियन्ता
प्रयोक्ता एजेन्सी
सिंचाई खण्ड (लो०नि०वि०)
चम्पावत

COST BENEFIT ANALYSIS

(As per MoEF & CC guidelines no 7-69/2011 FC (Pt) dated 1st August, 2017)

Table B : Estimation of cost of forests Diversion

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Block :- Champawat

District :- Champawat.

Road Length :- 16.000 Km.


Forest Land :- 9.140 Ha.

Nap Land :- 5.220 Ha.

Population :- 726

S. No.	Particulars	Estimated cost
1	Increase in productivity attributable to the specific project.	Vegetable and fruits = 250.00 Qtl @ ₹ 1500/- = ₹ 375000.00 for 50 years 375000.00 x 50 = ₹ 187.50 Lakh.
2	Benefits to economy due to the specific project	About 1.25 Lakhs due to milk production, vegetable, fruits, tourism and other mining mineral materials per amount for 50 years 1.25 x 50 = ₹ 62.50 Lakh
3	No. of population benefited due to the specific project.	726
4	Economic benefits due to direct and indirect employment due to the project.	Direct employment of labour - Benefits for annual maintenance of the road take 20 Beldar for maintenance of road for one month @ ₹ 6000.00 Benefits for Beldar = ₹ 6000.00 x 20 = ₹ 120000.00 Benefits for 1 year = ₹ 120000.00 x 12 = ₹ 1440000.00 Benefits for 50 year = ₹ 1440000.00 x 50 = ₹ 72000000.00 Market development taking 20 Shops are to be established after construction of motor road. Taking minimum benefit per shop per day @ ₹ 250 per day benefit for per Month 20 X 30 X 250 = ₹ 150000.00 Benefit of 20 shops for year = 12 x 150000.00 = ₹ 1800000.00 Benefit for 50 years = 50 x 1800000.00 = ₹ 90000000.00
5	Economic benefits due to compensatory afforestation.	The annual value of timber and fuel wood, carbon, eco-tourism, fodder and watershed services from CA is approx ₹ 0.70 Lakh per annum for 50 year = ₹ 0.70 x 50 = ₹ 35.00 Lakh.
Total benefits diverted from the project		₹ 1905.00 Lakh.


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चम्पावत


Executive Engineer
Irrigation Division P.W.D.
P.I.U.P.M.G.S.Y. Champawat

COST BENEFIT ANALYSIS

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Block :- Champawat

District :- Champawat.

Road Length :- 16.000 Km.

Forest Land :- 9.14 Ha.

Nap Land :- 5.220 Ha.

Population :- 726

S. No.	Particulars	Amount in Lakhs Remark
1	ecosystem service losses due to proposed forest diverson.	The estimsted NPV (Economic value of loss of ecosystem services) of the 9.14 ha. forest land is ₹ 85.82Lakhs.
2	loss of animal husbandry productivity, including loss of fooder.	10% NPV = ₹ 8.582 lakhs.
3	cost of human settelment.	There is no displacement due to the project. Therefore the cost of human settelment is ₹ Nil .
4	Loss of pubalic facilities and administration infrastructure (Roads, Building, School, Dispensaries, Electric lines, Railways etc.) on forest land, or which would require forest land if these facilities were diverted due to the project	No loss of pubalic facilities and administration infrastructure due to the project. There fore loss is ₹ Nil .
5	Possession value of forests land diverted	30% of NPV = ₹ 25.75 lakhs.
6	Cost of suffering to oustees.	No suffering of oustees. Therefore the cost of suffering to ousteesis ₹ Nil .
7	Habitat fragmentation cost.	50% of the NPV = ₹ 42.91 Lakhs.
8	Compensatory a foretation and soil and moisture conservation cost.	The estimated cost of raising the CA in 18.28 ha. is ₹ 136.46 Lakhs for 10 years considering discouting rate 12% for future 50 years, the present value is ₹ 240.49 Lakhs.
Total Environmental Loss		₹ 403.55 Lakh.

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