

परियोजना का नाम:- एस0सी0पी0 के अन्तर्गत जनपद बागेश्वर में हरिनगरी
पयां मोटर मार्ग का दाबू हड़ाप तक विस्तार।

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Cost Benefit Ratio Chart

Block:- Bageshwar

Disti:- Bageshwar

SL. No.	Particulars	Amount	Remark
1	Total cost (Investment incurred)		
(A)	Construction Cost of Project	473.11	As per sanctioned cost
(B)	N.P.V. Amount to be disposed @ 8.45 lak/Hararc * 6.06 x 8.45 = 5120700.00	51.21	As per formula prescribed by Hon. SC
(D)	Substitute/Alternation Planlation Cost to be Disposed:-	18.00	As per estimate given by Forest Department.
	Total	542.32	
2	Benefits:- Bebefits from (Taking Age of Road As 50 Years)		
(A)	Economics Benefits-Market Development Taking	3850.00	
(B)	Direct Employment of Labours-	190 Nos.	
(C)	Employment Generation Due to other activities	34056 Nos.	
Note- Therefore construction of motor road is economically viable and social beneficial.			

सहायक अभियंता
प्रान्तीय खंड, लो0नि0वि0
बागेश्वर

अधिशसी अभियंता
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Parameter for Evaluation of loss of Forests
Nature of Proposal

Annexure-VI (B)

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Sl.no.	Parameters	Roads Tr. lines & Raliway line
1	2	3
1	Loss of Value of timber, fuelwood and minor forest produce on an annul basis, including loss of man hours per annum of people who derived livelihood and wage from the harvest of these commodities	Rs. 850278.00 or 266.035 cum wood.
2	Loss of Animals husbandry productivity including loss of fodder	Nil
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.	Nil
5	Environmental losses;(Soil erosion, effect on hydrological cycle, wildlife habitat, microclimate upsetting of ecological balance.)	Rs. 230.41 lac for 50 years or Rs. 4.60 lac per year which will be reduced after five year
6	Suffering to oustees	Nil

• सहायक अभियंता
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बागेश्वर वन प्रभागेश्वर
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प्रपत्र सं. 22.2

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Parameter for Evaluation of Benefit, notwithstanding loss of Forests
Nature of Proposal Annexure-VI (C)

Sl.no.	Parameters	Roads Tr. lines & Raliway line
1	Increase in productivity attributable to the specific project.	39.00
2	Benefits to economy	38.00
3	No. of population benefited.	1108
4	Employment potential.	34056 Nos.
5	Cost of acquisition of facility on non forest land wherever feasible.	Nil
6	Loss of (a) agricultural & (b) animal, husbandry production due to diversion of forest land.	Nil
7	Cost of rehabilitating the displaced persons as different from compensatory amounts given for displacement.	Nil
8	Cost of supply of free fuel-wood to workers residing in or near forest area during the period of construction.	Nil

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प्र. 22.3

परियोजना का नाम:- एस0सी0पी0 के अन्तर्गत जनपद बागेश्वर में हरिनगरी
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Pareticulars	Details																																													
1- Environmental losses.	As per guide lines – For fully stacked forest (density 1.00) environmental value of 1 ha. = 126.74 lac over a period of 50 years. Hence for 6.06 ha. Forest of density 03 = $126.74 \times 6.06 \times 0.3 = 230.41$ lacs over a period of 50 years or Rs 4.6082 lac or 4.60 Lac. per year which will be reduced after 5 year due to natural growth of pine & other trees.																																													
2-A. Increase in productivity attribute to the specific project. 220 families	Enhancement in production in both farm and non farm sectors approximately. Cost of marketable surplus of farm products. <table><tr><th>Products</th><th>Qty. in qtl.</th><th>Qty. in Kg.</th><th>Rate per Kg</th><th>Amount in lac.</th></tr><tr><td>1. गेहूँ</td><td>440</td><td>44000</td><td>11.00</td><td>4.84</td></tr><tr><td>2. आलू</td><td>1100</td><td>110000</td><td>15.00</td><td>16.50</td></tr><tr><td>3. महुवा</td><td>440</td><td>44000</td><td>10.00</td><td>4.40</td></tr><tr><td>3. फल</td><td>220</td><td>22000</td><td>20.00</td><td>4.40</td></tr><tr><td>4. शब्जी</td><td>440</td><td>44000</td><td>15.00</td><td>6.60</td></tr><tr><td>5. दालें</td><td>44</td><td>4400</td><td>60.00</td><td>2.64</td></tr><tr><td>योग</td><td></td><td></td><td></td><td>39.38</td></tr><tr><td colspan="4"></td><td>Say Rs. 39.00 Lac per year.</td></tr></table>	Products	Qty. in qtl.	Qty. in Kg.	Rate per Kg	Amount in lac.	1. गेहूँ	440	44000	11.00	4.84	2. आलू	1100	110000	15.00	16.50	3. महुवा	440	44000	10.00	4.40	3. फल	220	22000	20.00	4.40	4. शब्जी	440	44000	15.00	6.60	5. दालें	44	4400	60.00	2.64	योग				39.38					Say Rs. 39.00 Lac per year.
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2-b. Benefit of Economy.	<table><tr><th>Vehicle type</th><th>Number per day</th><th>Conversion factor.</th><th>PCU per day</th></tr><tr><td>Truck</td><td>10</td><td>3.00</td><td>30</td></tr><tr><td>Bus</td><td>4</td><td>3.00</td><td>12</td></tr><tr><td>Cars.</td><td>10</td><td>1.00</td><td>10</td></tr><tr><td>M/cycle</td><td>20</td><td>0.50</td><td>10</td></tr><tr><td>Jeep/Max</td><td>25</td><td>1.00</td><td>25</td></tr><tr><td colspan="3">Total PCU per day</td><td>87</td></tr></table> As per IRC norms, saving in VOC at 90-91 prices is Rs. 5.96 per Km. Per PCU. Length of road = 10 Km. Hence saving in VOC at 1990-91 prices = $87 \times 10 \times 5.96 = \text{Rs. } 5185.20$ per day. At 20010-11 prices = $2 \times 5185.20 = 10370.40$ per day or Rs. 37.85196.00 Say Rs. 38.00 lac per year.	Vehicle type	Number per day	Conversion factor.	PCU per day	Truck	10	3.00	30	Bus	4	3.00	12	Cars.	10	1.00	10	M/cycle	20	0.50	10	Jeep/Max	25	1.00	25	Total PCU per day			87																	
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Assistant Engineer
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Bageshwar

Executive Engineer
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