

परियोजना का नाम:- राज्य योजना के अन्तर्गत जनपद बागेश्वर में देवलधार-
माईथान-लेटी-गिरेछीना मोटर मार्ग का निर्माण।

Cost Benefit RatioChart

Block:- Bageshwar

Disti:- Bageshwar

SL. No.	Particulars	Amount in Lac.	Remark
1	Total cost (Investment incurred)		
(A)	Construction Cost of Project	441.00	As per sanction cost.
(B)	N.P.V. Amount to be disposed @ 8.45 lak/Hararc 6.998 x 8.45 = 59.1331 Lac.	59.13	As per Govt. Order.
(D)	Substitule/Alternation Plantation and both side plantation cost to be Disposed.	39.00	As per estimates given by forest department.
	Total	539.13	
2	Benefits:-		
	Bebefits from (Taking Agpe of Road As 50 Years)		
(A)	Economics Benefits-Market Development Taking	4489.00	Increase procuctivity and transport facilities.
(B)	Direct Employment of Labours-	10	After construction 10 labour will be elmployed for maintenance.
(C)	Employment Generation Due to other activities	88200 mandays.	During construction lltotal 88200 mandays shall be genedrated.
Note	Therefore construction of economically viable and social benfcifial.		

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प्रान्तीय खंड, लो0नि0वि0
बागेश्वर

प्रपत्र-22.1

परियोजना का नाम:- राज्य योजना के अन्तर्गत जनपद बागेश्वर में देवलधार-
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Parameter for Evaluation of loss of Forests
Nature of Proposal

Annexure-VI (B)

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. 13,24,289-00 As per out turn provided by Forest Department.
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. 266.08 lac over a period of 150 years or Rs. 5.32 per year which will be reduced after 5 years due to natural growth of pine and other trees.
6	Suffering to oustees	Nil

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प्रमाणित वन्यधिकारी
बागेश्वर वन्य प्रभाग
बागेश्वर

बागेश्वर


प्रपत्र-22.2

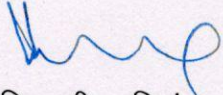
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Parameter for Evaluation of Benefit, notwithstanding loss of Forests
Nature of Proposal Annexure-VI (C)

Sl.no.	Parameters	Roads Tr. lines & Raliway line
1	Increase in productivity attributable to the specific project.	Rs. 22.36 Lac per year.
2	Benefits to economy	Rs. 67.42 Lac per year.
3	No. of population benefited.	761 no. directly.
4	Employment potential.	88200 mandays.
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.	As per requirement during construction..


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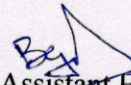

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नोट- लागत लाभ विप्लेषण सम्बन्धी सूचना उक्त प्रपत्रों में तैयार कर प्रयोक्ता एजेन्सी द्वारा प्रस्ताव के साथ संलग्न की जानी है।

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Detail of cost Benifit

Pareticulars	Details																																													
1- Environmental losses.	<p>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 6.998 ha. Forest of density 03 = 126.74x6.998x0.3 = 266.08 lacs over a period of 50 years or Rs 5.32 lac per year which will be reduced after 5 year due to natural growth of pine & other trees.</p>																																													
2-A. Increase in productivity attribute to the specific project.	<p>Enhencement in production in both farm and non farm sectors approximately. Cost of marketable surplus of farm products.</p> <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>256</td><td>25600</td><td>14.00</td><td>358400.00</td></tr><tr><td>2. आलू</td><td>200</td><td>20000</td><td>10.00</td><td>200000.00</td></tr><tr><td>3. चावल</td><td>150</td><td>15000</td><td>22.00</td><td>330000.00</td></tr><tr><td>3. फल</td><td>384</td><td>38400</td><td>8.00</td><td>307200.00</td></tr><tr><td>4 शब्जी</td><td>400</td><td>40000</td><td>10.00</td><td>400000.00</td></tr><tr><td>5. दालें</td><td>128</td><td>12800</td><td>50.00</td><td>640000.00</td></tr><tr><td>योग</td><td></td><td></td><td></td><td>2235600.00</td></tr><tr><td colspan="3"></td><td colspan="2">Say Rs. 22.36 Lac per year.</td></tr></table>	Products	Qty. in qtl.	Qty. in Kg.	Rate per Kg	Amount in lac.	1. गेहूँ	256	25600	14.00	358400.00	2. आलू	200	20000	10.00	200000.00	3. चावल	150	15000	22.00	330000.00	3. फल	384	38400	8.00	307200.00	4 शब्जी	400	40000	10.00	400000.00	5. दालें	128	12800	50.00	640000.00	योग				2235600.00				Say Rs. 22.36 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>15</td><td>1.00</td><td>15</td></tr><tr><td>M/ycle</td><td>20</td><td>0.50</td><td>10</td></tr><tr><td>Jeep/Max</td><td>30</td><td>1.00</td><td>30</td></tr><tr><td colspan="3">Total PCU per day</td><td>97</td></tr></table> <p>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 = 97 x 10.650 x 5.96 = Rs. 6156.98 per day. At 20014-15 prices = 3x 6156.98 = 18470.94 per day or Rs. 6741893.1 Say Rs.67.42 lac per year.</p>	Vehicle type	Number per day	Conversion factor.	PCU per day	Truck	10	3.00	30	Bus	4	3.00	12	Cars.	15	1.00	15	M/ycle	20	0.50	10	Jeep/Max	30	1.00	30	Total PCU per day			97																	
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Assistant Engineer
Irrigation Division (PWD)
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Executive Engineer
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