

### COST BENEFIT ANALYSIS

**2/4 laning of Dhanera-Zerda Section from km 0+000 to km 11+000 of Dhanera Bypass and from km 42+300 to km 55+030 of NH-168A in the State of Gujarat - Package IV**

#### Cost Analysis


S.N.	Parameters	Cost Analysis
1	Loss of value of timber, fuel wood and minor forest produce on an annual basis, including loss of man- ours per annum of people who derived livelihood & wages from the harvest of these commodities	Approx. 122 Cum of timber volume will be produced due to cutting of trees in Banaskantha Forest division.
2	Loss of animal husbandry productivity, including loss of fodder	There is no loss of animal husbandry due to proposed diversion
3	Cost of human resettlement	Approx. Rs 67.8 Cr
4	Loss of public facilities and administrative infrastructure (Roads, buildings, schools, dispensaries, electric lines, railway etc) on forest land, or which would require forest land if these facilities were diverted due to the project.	There is no such infrastructure loss.
5	Environmental losses: (Soil erosion, effect on hydrological cycle, wildlife habitat, microclimate upsetting of ecological balance).	Assuming the Density of forest area = 0.4 Value per hectare= Rs. 50.696 lakhs Forest land =20.6508 hectare Environmental value = Rs. 418.765 Lakh
6	Suffering to oustee	No

#### Benefit Analysis

S.N.	Parameters	Cost Analysis
1	Increase in productivity attributable to the specific project.	The project road during operation phase will provide safe mode of transport, reduced travelling time and improve accessibility to nearby hospitals, schools, college and tourist places.
2	Benefits to economy	It will not only provide safe & fast transport of both goods and people but will also give rise to different large and small scale industry which in turn will result in growth of the economy.
3	No. of population benefited	The project road provides an important connectivity between Dhanera – Zerda. During operation phase, the road will provide safer mode of transport, reduce travelling time and improve accessibility to nearby educational and medical amenities.
4	Employment potential	The project will provide direct employment to local people during construction phase and will also provide indirect benefit to other small businesses in the area.

S.N.	Parameters	Cost Analysis
5	Cost of acquisition of facility on non-forest land wherever feasible	As per the Government of India Act, 2013.
6	Loss of (a) agricultural & (b) animal husbandry production due to diversion of forest land	No such loss will take place.
7	Cost of rehabilitating the displaced persons as different from compensatory amounts given for displacement	Approx. Rs 67.8 Cr
8	Cost of supply of free fuel wood to workers residing in or near forest area during the period of construction	Construction period-24 months Number of labours at peak time – 70 Per head cost of fuel per day -20 Rs. Total cost- Rs. 10,08,000

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