

Annexure-5

Name of Project: Diversion of **7.60 ha.** of PF Land for Widening of existing Porbanadar – Adityana – Ranavav Road in Porbandar District.

COST BENEFIT ANALYSIS

a) Parameters for evaluation of loss of Forest

The parameters for the evaluation of “costs” incurred due to a project for which a cost-benefit analysis must be done is provided in the guidelines to this Act, issued by the MoEF&CC.

Sr. No.	Parameters	Descriptions
1.	Ecosystem services losses due to proposed forest diversion.	The area passes through existing Porbandar – Adityana – Ranavav Road (SH-95), the prime artery of the district having revenue villages and commercial area on both the sides. Hence there is minimal ecosystem loss. Avenue trees under urban afforestation shall be planted on both the sides of the road stretch wherever possible
2.	Loss of animal husbandry productivity, including loss of fodder.	No loss to Animal Husbandry or fodder losses.
3.	Cost of human resettlement.	No Resettlement in the forest land that is diverted for the project.
4.	Loss of public facilities and administrative infrastructure (Roads, buildings, Schools dispensaries. Electric lines, railways etc.) on forest land, which require forest land if these facilities were diverted due to the project.	No Losses.
5.	Possession value of forest land diverted.	Forest land being diverted for construction of project is 7.6 ha. (As per Forest (Conservation) Act. 1980) the environmental loss i.e. per hectare is Rs. 04.38



		Lacs. Hence approximately 33 lacs.
6.	Cost of suffering to oustees.	No oustees suffering.
7.	Habitat Fragmentation Cost.	No Habitat Fragmentation.
8.	Compensatory Afforestation and soil & moisture conservation cost.	The Compensatory Afforestation and SMC Cost would be approximately Rs. 40 lacs. including its 10Yrs maintenance.

b) Parameters for Evaluation of benefits, notwithstanding loss of forests.

The parameter for the evaluation of benefits provided by a project for which a cost-benefit analysis must be done is provided in the guidelines to this Act, issued by MoEF&CC.

Sr. No	Parameters	Descriptions
1.	Increase in productivity attributable to the specific project.	Project would act as a catalyst for the growth of the region. Road widening is crucial for transportation of raw material and cement from adjoining Saurashtra Cement factory, Limestone from adjoining mine of Tata Chemicals and for industries and other business products from the region. Forms central spine of Saurashtra Region through which movement of goods will be carried and hence will increase over-all production.
2.	Benefits to economy due to specific project.	This project is a vital road connecting Porbandar with adjoining districts specifically Rajkot, Junagadh and Jamnagar. It will also affect in reduction of Vehicle Operation Cost. Enhance economic development of industrial area and make the surrounding area more accessible with administrative purposes as well as reduction in travel time, fuel consumption and

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		pollution. It will provide better connectivity and streamlining of Maldhari's residing in 'Nes's' of adjoining Bardo Hill and the other basic necessities such as educational facilities, Health Care Facilities etc. will be more accessible.
3.	No .of population benefitted due to specific project.	Almost Covering adjoining districts of Porbandar and connecting districts.
4.	Economic benefits due to of direct and indirect employment due to the project.	The proposed road would act as the prime artery for economic flow to this region. It enhances economic development, provides employment opportunities to locals. With improvement in economy more opportunities for employment generation. (2 lac. man-days approx.) The project would employ: i)Permanent/Regular employment: 30 Persons ii)Temporary employment :200 to 300 full time workers
5.	Economic benefits due to Compensatory Afforestation.	As the area proposed for CA would be degraded, it will have vegetative cover, aesthetic values, check erosion, MFP & Grass Collections and other direct and indirect benefits as well as improvement in overall eco-system.

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Place: Porbandar



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