

cost benefit analysis of the project

Title of the project:

Table-B: Estimation of cost of forest diversion

Sl. No.	Parameters	Remarks
1	Ecosystem services losses due to proposed forest diversion.	Economic value of loss of eco-system services due to diversion of forest shall be the net present value (NPV) of the forest land being diverted as prescribed by the Central Government (MoEF & CC). The proposed area for the diversion is <u>0.8</u> ha. So, the NPV value for the proposed area is <u>8,34,400</u> .
2	Loss of animal husbandry productivity, including loss of fodder	It is the <u>Construction office cum laboratory building for research centre of CENTRAL MARINE FISHERIES RESEARCH INTITUTE</u> area, so there is <u>No</u> loss of animal husbandry productivity, including loss of fodder.
3	Cost of human resettlement.	As there is no habitation or agricultural land, there no displacement. Hence the cost of human settlement is taken as zero.
4	Loss of public facilities and administrative infrastructure (Roads, buildings, school, dispensaries, electric lines, railways etc.) on forest land. Which would require forest land if these facilities were diverted due to the project.	The proposed area for diversion is <u>Construction office cum laboratory building for research centre of CENTRAL MARINE FISHERIES RESEARCH INSTITUTE</u> There is no loss of any public facilities. Hence the value of loss in taken as zero.
5	Possession value of forest land diverted.	As per the proforma it is about 30% of environmental costs (NPV) due to loss of forests. So, the possession value of the land diverted is <u>2,50,320</u>
6	Cost of suffering to oustees.	No human displacement in the project. Hence, cost of suffering to oustees is taken as zero.
7	Habitat Fragmentation cost	The project has no fragmentation of any kind of this project.
8	Compensatory Afforestation and soil and moisture conversation cost.	Diversion of forest land is below 1 ha, so that compensatory afforestation and soil and moisture conversation cost is not applicable

Table C-Existing guidelines for estimating benefits of forest- diversion in CBA

Sl. No.	Parameters	Remarks
1	Increase in productivity attribute to the specific project	There is potential for productivity for marine fish seed worth Rs 10 Lakhs Per Annam and the facilities can be utilised for training formers and entrepreneur 500 Per Annam. In addition the facilities will be useful for important research and extension activities which is highly valuable for the development of the county.
2	Benefits to economy due to the specific project.	Karwar Regional Station of ICAR-CMFRI is a pioneer organisation conducting marine aquaculture related research activities such as finfish seed production and farming. The Station has established a Marine Hatchery Complex at Kodibag village, Karwar taluk, Uttara kannada District for conducting research activities related to marine finfish breeding and seed production. The marine hatchery complex is acting as a nodal centre for imparting training programmes and extension activities for expanding marine fish farming through out the country . It also carry out research activities leading to breeding and seed production of new candidate fishes for the benefit of fish farmers.
3	No. of population benefited due to specific project	The project provide the direct and indirect employment to around <u>23</u> persons per day in the firm. There is substantial benefit to the local people in the process. About 500 fish farmers per Annam are getting trained regularly.
4	Economics benefits due to of direct and indirect employment due to the project.	At the wage rate of <u>14,533.3</u> per person, there will be around <u>4,35,999</u> Lakhs benefits to <u>23</u> employees directly and indirectly when the economic activity starts performing.
5	Economic benefits due to compensatory afforestation	Nil

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प्रभारी वैज्ञानिक
Scientist-in-Charge

भा.कृ.अनु.प. - कें.स.सा.अ.सं
कारवार क्षेत्रीय स्टेशन

Karwar Regional Station, ICAR-CMFRI
कारवार / Karwar - 591 302