

**Full Title of the Project- Diversion of Forest land of Block A and B Vill.-
Paharpur, Teh.-Roopwas, Dist. Bharatpur**

Proposal No. : FP/RJ/MIN/125714/2021

Date of Proposal : 05.03.2021

Applied Forest Area : 398.0085 Hectare

Cost Benefit Analysis Report

Table-A : 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 forests Block A & B in village Paharpur Tehsil Roopwas District Bharatpur Rajasthan shall be Rs. 6.26 Lacs/ha (NPV rate as per ECO Value of Open Forest Class III as per Guideline of MoEF&CC, Gol dated 05/02/2009). As prescribed by Central Government (MoEF&CC). 1. Total Forest area: 398.0085 Ha. 2. Environmental loss: 398.0085 x 6.26 = Rs. 2491.5332 lakh
2	Loss of animal husbandry productivity, including loss of fodder	NIL
3	Cost of human resettlement	NIL
4	Loss of public facilities and administrative infrastructure (roads, building, schools dispensaries electric lines, railways, etc.) on forest land if these facilities were diverted due to the project	NIL
5	Possession value of forest land diverted	The possession value of forest land diverted is taken as 30% of NPV due to loss of forest = 30% X Rs 6.26 lakh X 398.0085 = Rs. 747.46 Lakh
6	Cost of suffering to oustees	NIL
7	Habitat Fragmentation Cost	NIL
8	Compensatory afforestation and soil & moisture conservation cost	The actual cost of compensatory afforestation and soil & moisture conservation and its maintenance in future at present discounted value will be for 1447 hectare plantation @ 2.5 lacs per hectare is 3617.5 lacs

Total cost due to diversion of Forest land

= (Rs 3491.5332 + Rs. 747.46 + 3617.5) Lacs = **Rs. 7856.493 Lakh**




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Table-B : Existing Guideline For Estimating Benefits of Forest Diversion

Sl. No.	Parameters	Remarks
1	Increase in productivity attribute to the specific project	Total quantity of Mineral Sandstone produced 2500 lac TONNE @ Rs. 400/Tonne =Rs. 2500*400=1000000 lacs for entire period of 50 Years.
2	Benefits to economy due to the specific project	100% of SandStone produced in the area used in Riico Industrial Area The Current sale value of SandStone Block is approximately Rs1500 per tonne. a) Royalty on Sandstone is Rs 240/tonne = Rs. 600000 lacs b) DMFT= 10% of Royalty = 60000 lacs c) Deadrent = Rs 452 lacs for entire period of 50 years.
3	No. of population benefited due to the specific project	About 6000 persons/year can sustain on this project.
4	Employment Potential	150 Persons can be employed directly & 5000 persons will get indirect employment.
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	Not applicable as there is no agricultural production and animal husbandry production in this area.
7	Cost of rehabilitating the displaced persons as different from compensatory amounts given for displacement.	NIL

Total benefit due to diversion of forest land for non-forest activity
= Rs. 600000 Lacs +Rs. 60000 Lacs + Rs.452 Lacs = Rs 660452 lacs


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SUMMARY OF COST BENEFIT ANALYSIS FOR THE PROJECT FOR FIFTY YEARS

Based on the value of products:

a) Total Benefit : Rs 660452 lacs

b) Total Cost: Rs 7856.493 Lacs

Cost Benefit Ratio= $\frac{\text{Total Benefit}}{\text{Total Cost}}$

= 660452/8879.206

= 84.06


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[Official Stamp: खानिज विभाग, खानिज विभाग, रूपवास (भारतपुर)]