

COST BENEFIT ANALYSIS

Project:- Proposal for diversion of 10.219 ha. of forest land for Settlement and Rehabilitation of Bru Migrants in Sonamura Sub-Division, Sepahijala District, Tripura.

Table B: Estimation of cost of forest diversion (as per MoEF&CC Guideline dated 1st Aug, 2017 related to cost benefit analysis).

Sl. No	Parameters	Remarks
1	Ecosystem services losses due to proposed forest diversion	NPV of the forest land being diverted i.e. UGF = 10.219 x Rs. 9.39 lakh = Rs. 95,95,641/- = Rs. 0.9596 Crores.
2	Loss on animal husbandry productivity including loss of fodder	Productivity of livestock will not be affected due to settlement of Bru migrants. 10 % of NPV Applicable i.e. Rs. 9,59,564/- = Rs. 0.0959 Crores.
3	Cost of human resettlement	Since there is no displacement of people due to the project hence there would be no cost of human resettlement.
4	Loss of public facilities & administration infrastructure (roads, building, school, dispensary, electric lines, railways etc.) on forest land or which would require forest land if these facilities were diverted due to project.	Not applicable, since project is settlement of Bru migrant in uninhabited forest land.
5	Possession value of forest lands diverted.	30 % of NPV i.e. Rs. 28,78,692/- = Rs. 0.2879 Crores.
6	Cost of suffering of oustees.	Not applicable since there will be no displacement of people.
7	Habitation Fragmentation Cost	50 % of NPV Applicable as per thumb rule i.e. Rs. 47,97,820/- = Rs. 0.4798 Crores.
8	Compensatory Afforestation and Soil & Moisture Conservation Cost	CA cost Rs. 43,65,794/- = Rs 0.4366 Crore Soil & Moisture Conservation Cost included in CA cost.
Total Loss (Against the proposed forest land diversion)		Rs. 2,25,97,511/- = Rs. 2.2598 Crores.


 Sub-Divisional Magistrate,
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Table C: Estimation of Benefit of Forest Diversion in Cost Benefit Analysis (as per MoEF&CC Guideline dated 1st Aug, 2017 related to cost benefit analysis).

Sl. No	Parameters	Remarks
1	Increase in productivity attributed to the specific project	Not applicable.
2	Benefit to economy due to the specific project.	Rs. 5.25 Crores.
3	No. of population benefited due to the specific project	Population of 1400 of Bru migrants in Tripura to be benefited due to the rehabilitation.
4	Economic benefit due to direct and indirect employment due to the project.	Rs. 7.2 Crores.
5	Economic benefits due to compensatory afforestation.	Rs. 43,65,794/- = Rs. 0.4366 Crores.
Total		Rs. 12.89 Crore.

Cost Benefit Ratio i.e., Project Benefit/Forest Loss = (12.89/2.2598) = 5.7:1.

Hence the project has a high benefit to the country as compared to forest loss. The **benefit to loss ratio is approximate 5.7 times.**


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Details Employment Breakup

Temporary Employment During Settlement Construction and Maintenance

Type of employee	Nos. of Employee	Avg. Working days per year	Total working days.
Employment Potential- Construction			
Skilled Man power	110	30	3300
Semi-Skilled Man Power	220	30	6600
Technical Persons	2	30	60
Employment Potential- Maintenance			
Skilled Man power	10	10	100
Semi-Skilled Man Power	5	100	500
Total Temporary Employment per year			10560

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18/8/20
Sub-Divisional Magistrate,
Sonamura, Sepahijala Tripura