

Name of project: - Diversion of 5.828 Ha. Of forest land in favour of HPPWD, NH Division Nahan for the Construction of link road from construction of link road Jabbal Ka Bag Kaindiawala Kharkon Road km. 0/0 to 12/255. within the jurisdiction of Nahan Forest Division, Distt. Sirmour H.P.

Proposal No.

Date of proposal: 09/04/21

COST BENEFIT ANALYSIS

Check list Serial No. 29

Estimate of cost of forest Division

Table-B

Sr. No	Parameters	Value expressed to Monetary terms and in Details	Remarks
1	Ecosystem services losses due to proposed forest diversion	Rs. 89,81,190/-	Economic value of loss of eco system service 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)
2	Loss of animal husbandry productivity, including loss of fodder	Rs. 898119/-	To be quantified and expressed in monetary terms of 10% of NPV applicable whichever is maximum.
3.	Cost of human resettlement	Since no residential village area is getting affected, there will be no cost of human resettlement	To be quantified and expressed in monetary terms as per approved R7R Plan.
4	Loss of public facilities and administrative infrastructure (Roads, Building, School, dispensaries electric lines, railways, etc.) on forest land, which would require forest land if these facilities were diverted due to the project.	Since no public facilities and administrative infrastructure (Roads, Building, School, dispensaries electric lines, railways, etc.) of forest land, being diverted due to the project, there will be no such loss	To be quantified and expressed in monetary terms on actual cost basis at the time of division.
5.	Possession value of forest land diverted	Rs. 2694357/-	30% of environmental costs (NVP) due to loss of forests or circle rate of adjoining area in the district should be added as a cost component as possessor value of forest land whichever is maximum
6.	Cost of suffering to outsees	Nil	The social cost of rehabilitation of oustees (in addition to the cost likely to be incurred in providing residence, occupation and social services as per R&P plan) be worked out as 1.5 times of what oustees should have earned in two years had he not been shifted.

7	Habitat Fragmentation cost	R. 4490595/-	While the relationship between fragmentation and forest goods and services in complex, for the sake of simplicity the cost due to fragmentation has been pegged at 50% of NPV applicable as a thumb rule.
8	Compensatory afforestation and soil & moisture conservation cost	Rs. 4376629/-	The actual cost of compensatory afforestation and soil moisture conservation and its maintenance in future at present discounted value

19
 Asst. Engineer
 Nahan Forest Division
 H.P.P.W.D. Nahan

Contour signed by:-

Executive Engineer
 NH Division Nahan
 HPPWD Nahan

Sourabh
 Divisional Forest Officer,
 Nahan Forest Division,
 Divisional Forest Officer,
 Nahan Forest Division, Nahan (H.P.)
 Tel No-01702-222240
 Email ID dfonahan@gmail.com

Name of project:- Division of 5.828 Ha. Of forest land in favour of HPPWD, NH Division Nahn for the Construction of link road from construction of link road Jabbal Ka Bag Ka Indrawala Kharikon Road km. 0/0 to 12/255. Within the jurisdiction of Nahar Forest Division, Distt. Sirmour H.P.

Proposal No.

Date of proposal:

09/04/21

COST BENEFIT ANALYSIS Check list Serial No. 28 29

Table-C Estimate Benefits of forest Diversion in cost benefit Analysis

Sr. No	Parameters	Value expressed in Monetary terms	Remarks
1	Increase in Productivity attribute to the specific project.	Growth of local business by almost Rs. 30,00,000/-((Thirty lakhs only)	To be quantified & expressed in monetary terms
2.	Benefits to economy due to the specific project	The economic benefits in monetary terms due to the activities attributed to the specific project will be Rs. 1500,000.00 lakhs (Fifteen lakhs only).	The incremental economic benefits in monetary terms due to the activities attributed to the specific project.
3.	No. of population benefits due to specific project.	About 1500 man days job will be generated by the construction of the road, which be paid with average salary of Rs. 300/- per day. That means around Rs. 120.10 lakhs will be paid as salaries to the workers.	As per the detailed Project Report
4.	Economic benefits due to of direct and indirect employment due to the project	Directly :-35 Indirectly:-40	As per the detailed Project report
5	Economic benefits due to Compensatory Afforestation	Economic benefits due to Compensatory Afforestation including benefits due to animal husbandry productivity including fodder and fuel wood, Ecosystem services benefit due to proposed forest diversion, Possession value of forest land diverted will be Rs. 10214402/-	

Executive Engineer
NH Division Nahar
HPPWD Nahar

(Signature)

Divisional Forest Officer,

Nahar Forest Division

Divisional Forest Officer, Nahar (H - 1)

Nahar Forest Division, Nahar (H - 1)

Tel No-01702-222240

Email ID dtonahar@gmail.com

Assistant Engineer
Nahar Sub-Division
H.P.P.W.D. Nahar
Control signed by:-

(Signature)