

HIMACHAL PRADESH
PUBLIC WORKS DEPARTMENT

No/PW/NH Theog/CB/ WA/Forest/2022-23-
To

6787-88

Dated:-

29/3/23

The Divisional Forest Officer,
Rohru, Distt. Shimla HP.

Subject:-

Diversion of 5.3680 Hac. Of forest land for "Widening to two lane i/e road safety works on Paonta Rajban Shillai Meenus Hatkoti road from Km.149/0 to 161/715 on NH-72B-(707) in state of HP." ProposalNo.FP/HP/ROAD/146729/2021.

On the subject cited above the EDS Raised by your


good office has been attended and para wise reply for the same is as under:-

Sr.No.	Observation	Reply
1	In reply to Point No.5, Gol has asked to provide the complete KML file showing non-forest and forest land along with other components in different colours but complete KML file showing the complete road has not been shown. Revised KML file has been uploaded on the portal 2.	Revised KML file has been uploaded on the portal.
2	In reply to point No. 8, revised Cost Benefit analysis stated to have been attached with proposal folder, but Cost benefit analysis has attached in proposal folder is old one. Revised Cost Benefit analysis as per revised NPV rates is required to be submitted.	Revised Cost Benefit Analysis has been uploaded on the portal
3	Gol has asked to provide a list of trees required to be felled and retained in point No.15, but no such list has been	Pertains to DFO office.

	<p>found uploaded online. Further, in point No. 16 Gol has asked to submit the complete enumeration list including the compartment No. but no compartment has been mentioned in the enumeration list as submitted to Gol. Hence, the revised enumeration list of trees stating the compartment No., date of enumeration and detail of trees to be felled and retained be uploaded against the additional information detail of Part-II.</p>	
4	<p>In reply to point No.19, certificate w.r.t SMC plan stated to have been uploaded, but no such certificate has been found uploaded. Instead of this, SMC Plan along with its cost of implementation is required to be submitted, in case it in cases it is not possible to submit such plan due to delay in preparation of plan, undertaking be provided in this effect.</p>	<p>Undertaking to Pay the cost of SMCP has been uploaded on the portal.</p>
5	<p>The documents stated to have been uploaded but no reference (i.e. Sr. No., Column No. & Part) are being mentioned in forwarding letter, due to</p>	<p>Needful has been done.</p>


	<p>this it is difficult to find the concerned document, hence, complete detail of uploaded documents be given in the forwarding letter.</p>	
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Encl:- As above


Executive Engineer,
N.H. Division,
HPPWD, Theog

Copy to the Assistant Engineer NHY Sub-Division HP.PWD.
Kharapather for information and necessary action with ref. to above.




Executive Engineer,
N.H. Division,
HPPWD, Theog

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UNDERTAKING TO PAY COST OF SMCP

This is to certify that various mitigation measures will be adopted during and after execution of the project like, construction of R/Wall and B/Wall etc. Also, the cost of SMCP will be paid as per the guidelines of MoEF&CC i.e. 0.5% of the Total Project Cost shall be paid towards SMCP before Stage-II approval.


Divisional Forest Officer
Rohru Forest Division Rohru


Executive Engineer
MH Division HPPWD
Theog.

COST BENEFIT ANALYSIS FOR DIVERSION OF FOREST LAND

Name of the Project:- Widening & Strengthening to Double Lane of Poanta-Rajban-Shillai-Minus-Hatkoti Road, Portion Snail-Hatkoti from RD 149/00 to 161/715 NH-72B(New No. 707.

Nature of Proposal:- Diversion of 05.3680 Ha. of Forest Land under FCA, 1980 for Widening & Strengthening to Double Lane of Poanta-Rajban-Shillai-Minus-Hatkoti Road, Portion Snail-Hatkoti from RD 149/00 to 161/715 NH-72B(New No. 707.

Total Forest Area:- 05.3680 Ha

Purpose:- The Cost Benefit Analysis is being undertaken for proposed diversion of Forest Land for Widening & Strengthening to Double Lane of Poanta-Rajban-Shillai-Minus-Hatkoti Road, Portion Snail-Hatkoti from RD 149/00 to 161/715 NH-72B(New No. 707.


Cost Benefit Analysis as per MoEF&CC Guideline for Forest Land Diversion – August, 2017

Table-A

Case under which a Cost-Benefit Analysis for Forest Diversion is required.

Sr. No.	Nature of Proposal	Applicable/Not Applicable	Remarks
1.	All category of forests involving forest land upto 20 hectares in plains and 5 hectares in hills	Applicable	These proposals may be considered on case to case basis and value judgment
2.	Proposal for defence installation purpose and oil prospecting (prospecting only)	Not Applicable	In view of National priority accorded to these sectors, the proposal would be critically assessed to help ascertain that the utmost minimum forest land is diverted for non-forest use.
3.	Habitation, establishment of industrial units, tourist lodge complex and other building construction	Not applicable	These activities being detrimental to protection and conservation of proposals would be rarely entertained.
4.	All other proposal involving forest land more than 20 hectares in plains and more than 5 hectares in hills including roads, transmission lines, minor, medium and major irrigation projects, hydro projects, mining activity, railway line, location specific installation like micro wave stations, auto repeater centres, TV towers etc.	Not Applicable	These are cases where a cost benefit analysis is necessary to determine when diverting the forest land to non-forest use in the overall public interest


Divisional Forest Officer
Rohru Forest Division Rohru


Executive Engineer
NH Division HPPWD
Theog.

COST BENEFIT ANALYSIS
Estimation of Cost of Forest Diversion

Sr. No.	Parameters	Value expressed to Monetary terms and in Detail	Remarks
1.	Ecosystem services losses due to proposed forest diversion	Rs. 57,40,915/-	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).
2.	Loss of animal husbandry productivity, including loss of fodder	Rs. 5,74,091.5/-	To be quantified and expressed in monetary terms or 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 R&R plan
4.	Loss of public facilities and administrative infrastructure (Roads, building, schools, 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, schools, dispensaries, electric lines, railways, etc.) on 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 diversion
5.	Possession value of forest land diverted	30% of environmental costs (NPV) due to loss of forests i.e. Rs. 17,22,274.5/-	30% of environmental costs (NPV) 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 outsiders	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&R 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	Rs. 28,70,457.5/-	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. 30,77,320/-	The actual cost of compensatory afforestation and soil & moisture conservation and its maintenance in future at present discounted value



Divisional Forest Officer
Dehra Forest Division, Dehra




Executive Engineer
NH, Division HPPV/D
Theog

Table: C

Estimating 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. 10,00,00,000.00 (Ten Crore Only) (Approx.)	To be quantified & expressed in monetary terms
2.	Benefits to economy due to the specific project.	The economic benefit in monetary terms due to the activities attributed to the specific project will be Rs. 10, 00.00 Lakhs (Ten Crore Only). (Approx.)	The incremental economic benefit in monetary terms due to the activities attributed to the specific project.
3.	No. of population benefited due to specific project.	About 42,857 man days job will be generated by the construction of the project, which will be paid with average salary of Rs. 675/- per day. That means around Rs. 290/- Lakhs will be paid as salaries to the workers.	
4.	Economic benefits due to direct and indirect employment due to the project.	Directly:- 300 Indirectly:- 42,557	
5.	Economic benefits due to Compensatory Afforestation	Economic benefits due to Compensatory Afforestation includes Benefits due to animal husbandry productivity including fodder and fuel wood , Ecosystem services Benefits due to proposed forest diversion, Possession value of forest land diverted will be Rs. 30,77,320/-	


Executive Engineer
NH Division HPPWD
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Bahr Forest Division Bahr.

Summary of Cost Benefit Analysis for the Project

Sr. No.	Total Cost/Loss	Evaluation
1.	Ecosystem Services losses Rs. 57,40,915	Ecological gain from compensatory afforestation on 05.3680 hectares on degraded land would be 30,77,320
2.	Loss of animal husbandry productivity including loss of fodders= Rs. 5,74,091.5	Approx. 42,857 man days job will be generated by the construction of the project, which will be paid with average salary of Rs. 675/- per day. That means around Rs. 290/- Lakhs will be paid as salaries to the workers Basic living amenities including alternative fuel (LPG, Solar Cooker etc) will be supplied to labours/workers. Total Cost of Employment= Rs. 2,89,40,625/- (Approx.)
3.	Loss of public facility=Nil	
4.	Possession Value of forest land diverted= 17,22,274.5	
5.	Habitat fragmentation cost = 28,70,457.5	
6.	Compansatory afforestation and soil & moisture conservation cost= 30,77,320	Total Gain/Benefit from Project= 3077320+28940625+100000000+10000000 = 232017945
	Total Cost/loss= 1,39,85057	

Cost Benefit Ratio= Total Benefit/Total cost= 232017945/13985057=16.59 which is >1, so project is found viable based on given / above described criteria.


Divisional Forest Officer
 Rohru Forest Division


Executive Engineer
 Division HPPWD
 Theog.