

Full Title of the Project: Diversion of 6.2255 ha forest land under the possession of forest Department as being river bed proposed for mining lease.

File No- FP/HP/MIN/30477/2017

Date of Proposal: _____

Check list No. 29

As per handbook of guideline of Forest (conservation) Act, 1980 issued by GoI, MoEF & CC vide letter No. F.No. 5-2/2017-FC dated 28.03.2019 in annexure –III of cost benefit analysis, all categories of proposals involving forest land upto 20 ha in plains are not warranted to provide cost benefit analysis. However keeping in regard the observation raised in letter No. 8-B/HP/05/27/2021/FC/234 dated 26.03.2021 of GoI, MoEF & CC following cost benefit analysis being given hereunder:-

Table –B: COST OF FOREST DIVERSION

Sr. No	Parameters	Value expressed to Monetary terms and in Details	Remarks
1	Eco-system services losses due to proposed forest diversion	Rs. 40,90,154/-	<u>Nil</u> As this is a riverbed project
2	Loss of animal husbandry productivity, including loss of fodder	No loss	-Nil-. As this is a riverbed project.
3.	Cost of human resettlement	Since no residential village area is getting affected, there will be no cost of human resettlement	Nil-. No human resettlement is occurring due to the project as this is riverbed project for collection of sand, stone and bajri.
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.	Being a river bed which diverted to mining lease, there will be no such loss.	Nil
5.	Possession value of forest land diverted	Rs. 12,27,046/-	30% of environmental costs (NPV) due to loss of forest or circle rate of adjoining area in the district should be added as a cost component as

			possession value of forestland whichever is maximum. River borne material will be mined from within the corridors of river during dry season causing no damage to the Environment and user agency ready to pay the applicable cost as per the guidelines.
6.	Cost of suffering to outsees	Nil	The entire mining is confined within the river bed with no human habitation, thus causing no oustees.
7	Habitat Fragmentation cost	Rs. 20,45,077/-	While the relationship between fragmentation and forest goods and services is complex, for the sake of simplicity the cost due to fragmentation has been pegged at 50% of NPV applicable as thumb rule. River borne material will be mined from within the corridors of river during dry season shall be causing no damage to the Environment.
8	Compensatory afforestation and soil & moisture conservation cost	Rs. 45,73,019/-	The actual cost of compensatory afforestation and soil & moisture conservation and its maintenance in future at present discounted value. Cost of CA as and when applicable shall be borne by the applicant.

Table C: BENEFITS OF FOREST-DIVERSION:

PERIOD OF THE MINING LEASE: 15 YEARS

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S. No.	PARAMETERS	REMARKS				
1	Increase in productivity attribute to the specific project	Mining minerals detail i.e. Sand, Stone & Bajri for the 5 years:				
		S. No.	Particulars	Quantity In MT	Remarks	
		1	Sand	144550	As approved in mining plan for the period of 5 years.	
		2.	Bajri	192750	-do-	
		3.	Boulder	252975	-do-	
2	Benefits to economy due to specific project	Tentative royalty from mining i.e. Sand, Stone & Bajri:				
		S. No.	Particulars	Rate as per MT	Quantity In MT	Remarks (Amount)
		1	Gross revenue/royalty	76.65	118055	90,50,000 (Yearly cost)
		2	Tentative revenue/royalty of next 14 years as per 10 % increase from the 3 rd year.			25,39,50,578
		3.	Grad Total:			26,30,00,578

		S. No.	Particulars	Rate as per MT	Quantity In MT	Amount
		1	DMFT	10 per MT	118055	118065
		2.	Panchayat Tax	5 per trolley	118055	59028
		3.	CGCR	10 per MT	118055	1180550
		4	GST	5%	118055	2262500
			Total	--	--	3620143
3	No. of population benefit due to specific project	Approximately 12598 Nos.				
4	Economic benefits due to of direct and indirect employment due to the project	Approx. 4.90 crore				
5	Economic benefits due to compensatory afforestation.	River borne material will be mined from within the corridors of river during dry season causing no damage to the Environment. There will be no cutting of trees carried out due to project as only river land is acquired under possession of Forest Department is acquired.				

D. CALCULATION OF COST BEBFIT RATIO:

Total benefits (As per Table C: benefits of Forest Diversion) = **Rs. 26,66,20,721/-**

Total Cost (As per table B: Cost of forest Diversion) = **Rs. 86,63,173/-**

Hence, Benefit/Cost Ratio =

Thus, the project gives positive benefit/ Cost Ratio.

Signature of user agency



(Tapender Singh Saini)
User agency

Counter signed by:-


Divisional Forest Officer
PAONTA FOREST DIVISION
Paonta Sahib (H.P.)