

Full Title of the Project:- Diversion of 8.1683 ha. of Forest Land for Collection/Extraction of Sand, stone and bajri from the bed of Sheer Khad, Mauza Mohal Jhareri-I, Khasra No. 100, Tehsil Jhandutta, Distt. Bilaspur, H.P.

File No.:- FP/HP/MIN/34102/2018

Date of Proposal:-09/06/2018

Cost Benefit Analysis for forest land diversion

Table-A : Cases under which a cost-benefit analysis for forest diversion are required

No.	Nature of proposal	Applicable/ not applicable	Remarks
1	All categories of proposals involving forest land upto 20 hectares in plains and upto 5 hectares in hills.	Not Applicable	
2	Proposal for defence installation purposes and oil prospecting (prospecting only)	Not Applicable	
3	Habitation, establishment of industrial units, tourist lodges complex and other building construction.	Not Applicable	
4	All other proposals 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 lines, location specific installations like micro-wave stations, auto repeater centres, TV towers etc.	Applicable	The proposal is for diversion of forest land to an extent of 8.1683 ha. for extraction of sand, stone and bajri mining project from bed of Sheer Khad Village Jhareri, Tehsil Jhanduta, District Bilaspur, H.P.

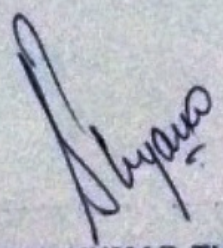

SHYAM KUMAR THAKUR
(MINING CONTRACTOR)
DISTRICT BILASPUR (H.P.)

Table- B : Estimation of cost of forest diversion

No.	Parameters	Remarks
1	Ecosystem services losses due to proposed forest diversion	Rs. 82,10,857 as per NPV
2	Loss of animal husbandry productivity, including loss of fodder	Rs.8,21,086 as 10% of NPV
3	Cost of human resettlement	Nil
4	Loss of public facilities and administrative (Roads, buildings, schools, dispensaries, electrical lines , railways etc.) on forest land, which would require forest land if these facilities were diverted due to the project	No such public interest facilities are involved in the proposed area of the project.
5	Possession value of forest land diverted	Rs.24,63,257 as 30% of NPV
6	Cost of suffering to oustees	Nil
7	Habitat Fragmentation Cost	Rs.41,05,429 as 50% of NPV
8	Compensatory Afforestation and soil & moisture conservation cost	Rs.39,21,539.
Grand Total		Rs.1,95,22,168

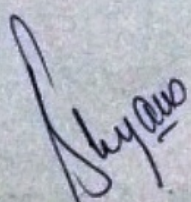
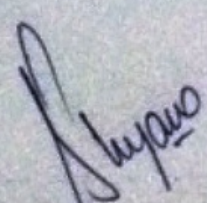

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Table- C : Existing guidelines for estimating benefits of forest-diversion in CBA

No.	Parameters	Remarks
1	Increase in productively attribute to the specific project	Rs. 3,00,00,000 (per annum)
2	Benefits to economy due to the specific project	Rs. 88,00,00 lakh will be annual financial benefit due to sale of mining products (net productivity from project minus net cost of royalty, taxes and wages).
3	No. of population benefited due to specific project	1200 persons.
4	Economic benefits due to of direct and indirect employment due to the project	Direct employment for 30 persons (10 permanent and 20 temporary) after functioning of this project whereas indirect employment will be for more than 500 persons thus assuming total economic benefits can be estimate to the tune of Rs.12 Lakhs per annum.
Total financial benefit of the project		Rs. 88,00,000+12,00,000 = 1,00,00,000. i.e Rs. 1 crore
Thus assuming project life= 15 years total benefit will be =Rs.15 crores. Total cost of forest diversion= Rs.1.95 crores. Benefit/Cost Ratio=7.69:1		


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