

Cost Benefit Analysis

Name of The Project - Collection of minor mineral (Bolder, Bajri, Sand etc.) from the Chandarbhaga River of Shivpuri Rang, Narendaranagar Forest Division for 10 years.

Table A

| No. | Nature of proposal | Remarks |
|-----|--|--|
| 1 | All Categories of proposals involving forest land upto 20 hectares in plains and upto 5 hectare in hills. | No applicable |
| 2 | Proposal for defence installation purposes and oil prospecting (prospecting only) | No applicable |
| 3 | Habitation, establishment of industrial units, tourist lodges complex other building construction, | No applicable |
| 4 | All other proposal involving forest land more than 20 hectares in plains and more than 5 hectares in hill including road, 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 and details are assessment is given in table B. |

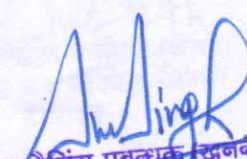

 प्रभागीय लीगिंग प्रबन्धक (अनन)
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Table B Estimation of cost of forest land diversion

| No | Parameters | Remarks |
|----|--|---|
| 1 | Ecosystem Services losses due to proposed forest diversion. | 12,48,30,000 |
| 2 | Loss of animal husbandry productivity, including loss of fodder. | 1,24,83,000 |
| 3 | Cost of human resettlement | NA |
| 4 | Loss of public facilities and administrative infrastructure (Road, buildings, Schools, dispensaries electric lines, railways, ect.) on forest land, if this facilities were diverted due to the project. | NA |
| 5 | Possession value of forest land diverted. | 3,74,49,000 |
| 6 | Cost of suffering to oustees. | NA |
| 7 | Habitat Fragmentation Cost. | 62415000 |
| 8 | Compensatory Afforestation and soil & moisture conservation Cost. | Cost of Compensatory Afforestation is 128129920 |
| | Total | 36,53,06,920 |



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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. | Production Target is 1425000 m ³ or 31350000 Quintal per year @ Rs. 7.0/ Qtl.= 21,94,50,000 × 10 Yrs. = 219,45,00,000 |
| 2 | Benefits to economy due to the specific project. | 219,45,00,000-36,53,06,920 =182,91,93,080 |
| 3 | No. of population benefited due to specific project. | 1000 Person |
| 4 | Economic benefits due to of direct and indirect employment due to the project. | 1000 Person will get engaged at the rate of Rs. 330 per day for 9 month in a year up to 10 years. 1000×330×270day×10Years Rs 89,10,00,000 Assuming Rs. 100 per day expenditure of one labourer for their daily need of food etc.= 1000×100×270 days×10 years = 27,00,00,000.00 Hence, economic benefits = 89,10,00,000 -27,00,00,000 = 62,10,00,000.00 |
| 5 | Economic benefits due to compensatory afforestation. | (Present NPV Rate of Dense Forest – Cost of C.A.) 32,11,00,000-12,81,29,920 = 19,29,70,080 |