


**Cost Benefit Analysis in respect of the proposal for diversion of 22.258 Ha of forest land for mining of Chrome Ore from Talangi-A Chromite Mining Lease of M/s IDCOL in Sukinda Tahasil under the jurisdiction of Cuttack Forest Division of Jajpur District, Odisha.**

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

| Sl. No.      | Parameters  | Remarks   |
|--------------|---|---|
| 1            | Increase in productivity attribute to the specific project.             | Average annual production of 50,000 MT of Chrome Ore with size distribution and the price at the mines head is as indicated below:<br><br>10,000MT@7,500/- =Rs 750.00 Lac<br>40,000MT@2,500/- =Rs 1000.00 Lac<br>Total = <b>Rs 1,750.00 Lac</b> |
| 2            | Benefits to economy due to the specific project.                        | 50,000 MT of Chrome Ore will yield 20,000 MT of Chrome concentrate x Rs 8,000/- = Rs 1,600.00 Lac   |
| 3            | Number of population benefited due to the specific project.             | 2000 persons  |
| 4            | Economic benefits of direct and indirect employment due to the project. | <b>Rs. 300 Crore</b><br>(2000 Persons x Rs. 500/- as average wage x 300 working days x10)   |
| 5            | Economic benefits due to Compensatory Afforestation                     | <b>Rs. 74.40 Lac</b>  |
| <b>Total</b> |   | <b>Rs. 318.244 Crore</b>  |

  
**Head (Geology)**  
**Authorised Signatory**  
**IDC of Odisha Limited**  
 (Sri Minaketan Naik)  
 Head (Geology)  
 Authorized Signatory  
 IDC of Odisha Limited

## Annexure-

**Cost Benefit Analysis in respect of the proposal for diversion of 22.258 Ha of forest land for mining of Chrome Ore from Talangi-A Chromite Mining Lease of M/s IDCOL in Sukinda Tahasil under the jurisdiction of Cuttack Forest Division of Jajpur District, Odisha.**

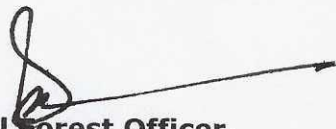
**Table-B: Estimation of cost of forest diversion**

| Sl. No.   | Parameters  | Remarks                   |
|---|---|---------------------------|
| 1   | Eco-system services losses due to proposed forest diversion.  | Rs 1,62,48,340.00         |
| 2   | Loss of animal husbandry productivity, including loss of fodder.  | Rs. 16,24,834.00          |
| 3   | Cost of human re-settlement.  | Nil                       |
| 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. | Nil                       |
| 5   | Possession value of forest land diverted  | Rs. 48,74,502.00          |
| 6   | Cost of suffering to oustees  | Nil                       |
| 7   | Habitat fragmentation cost  | Rs. 81,24,170.00          |
| 8   | Compensatory afforestation and soil & moisture conservation cost.   | <b>Rs. 1,05,54,461.00</b> |
| <b>Total estimation of cost of forest diversion</b> |   | <b>Rs. 4,14,26,307.00</b> |

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

| Sl. No.   | Parameters  | Remarks                  |
|---|---|--------------------------|
| 1   | Increase in productivity attribute to the specific project.             | <b>Rs 1,750.00 Lac</b>   |
| 2   | Benefits to economy due to the specific project.                        | -                        |
| 3   | Number of population benefited due to the specific project.             | 2000 Nos.                |
| 4   | Economic benefits of direct and indirect employment due to the project. | <b>Rs. 300 Crore</b>     |
| 5   | Economic benefits due to Compensatory Afforestation                     | <b>Rs. 74.40 Lac</b>     |
| <b>Total estimation of cost of forest diversion</b> |   | <b>Rs. 318.244 Crore</b> |

CB Ratio (Calculation is based on available information against the Parameters) = **1: 76.8**

  
**Divisional Forest Officer,**  
**Cuttack Forest Division**  
 Divisional Forest Officer  
 Cuttack Forest Division