# Cost- Benefit Analysis in respect of proposal for Miining and allied activities in forest land pertaining to "Ghoraburhani – Sagasahi Iron ore block" in Koira Tahasil under the jurisdiction of Bonai Forest Division of Sundargarh District, Odisha

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

| Sl No. | Parameters | Remarks |
|---|---|---|
| 1 | Eco-system service losses due to proposed forest diversion. | Rs.11,34,66,882/- [Rs. 9,39,000/-x 120.838ha]. |
| 2 | Loss of animal husbandry productivity, including loss of fodder. | Rs.1,13,46,688/- [Rs.1,13,46,688/-x10%) |
| 3 | Cost of human re-settlement. | Nil |
| 4 | Loss of public facilities and administrative infrastructure (road, building, schools, dispensaries, electrical 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.3,40,40,065/-[Rs.113466882/x30%] |
| 6 | Cost of suffering to oustees | Nil |
| 7 | Habitat fragmentation cost. | Rs.5,67,33,441/-[Rs.113466882/-x50%] |
| 8 | Compensatory afforestation and soil & moisture conservation cost. | N/A |
| | **Total estimation of cost of forest diversion** | **Rs.21,55,87,076/-** |

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

| Sl No. | Parameters | Remarks |
|---|---|---|
| 1 | Increase in productively attribute to the specific project . | Rs.60,000 Lakh per Annum |
| 2 | Benefits to economy due to the specific project. | 1) Share value to Govt. over 6MTPA per Annum - 44.35% of Sale Value<br>2) Royalty - 15% of Sale value<br>3) DMF - 10% of Royalty<br>4) NMET - 2% of Royalty |
| 3 | No. of population benefited due to the specific project. | About 212 no of persons with different skill sets are likely to be employed in this mine. In addition there will be large number of local people, who will get indirect employment in ancillary services including transportation of product. |
| 4 | Economic benefits due to direct and indirect employment due to the project. | Rs.5,000 Lakh per Annum |
| 5 | Economic benefits due to Compensatory afforestation . | Rs.406 Lakh per Annum |

CB ratio (Calculation is based on available information against the Parameters ) = **1:26.62**