



CIN: U51420MH1995PTC162317

RAGA TRADECON PRIVATE LIMITED

NETRABANDHA (WEST) IRON ORE MINES

Vill. Bhaliadihi, Ps. Koira, Dist. Sundergarh

Office: 1st Floor, Shyam Residency, Flat No-101, Near Jharpada Jail, Bhubaneswar

Dist: Khurda (Odisha) 751006 E-Mail: ragatradeconminerals@gmail.com

ESTIMATION OF COST OF FOREST DIVERSION

S N	PARAMETERS	REMARKS
1.	Ecosystem service losses due to Proposed forest diversion.	Ecosystem service losses due to diversion of forest land are equal to the Net Present value (NPV) of the forest land being diverted as prescribed by the Central Government (MoEF&CC). Approximately Rs 49858195.68 will be the cost towards NPV for diversion of 52.056 Ha of forest land (NPV @ Rs.957780/Ha.
2.	Loss of animal husbandry productivity. Including loss of fodder.	NOT APPLICABLE
3.	Cost of human resettlement.	NOT APPLICABLE
4.	Loss of public facilities and Administrative infrastructure (roads, buildings, schools, dispensaries, electric lines, railways. etc.) on forest land or which would require forest land, if these facilities were diverted due to the project.	NOT APPLICABLE
5.	Possession value of the forest land	30% OF NPV that is Rs 14957458.804
6	Cost of Suffering to oustees.	NOT APPLICABLE
7	Habitat fragmentation cost.	50% OF NPV that is Rs 24929097.84
8	Compensatory afforestation and soil Moisture conservation cost.	Cost of Compensatory afforestation & Soil Moisture conservation @Rs 250000 / Ha. Hence total cost is Rs 250000 x 52.056 = Rs 13014000.00


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 Vice President
 For Raga Tradecon Private Limited
 Authorised Signatory



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BENEFIT OF FOREST DIVERSION

SN	PARAMETERS	Amount in Rs	REMARKS
1	Increase in productivity attribute to the specific project.	543710.46345.00	Total Iron Ore Reserve +55%Fe- 15163273 tons @ Rs. 3327.00 Total Iron Ore Reserve +45 to 55% 1972266 tons @ Rs 1989.00
2	Benefits to the economy due to specific project	834867.41663	Revenue share to Govt.- 126.55% Royalty -: 15% of the sale value of Iron Ore DMF-: 10% of the royalty NMET: 2% of Royalty (Benefit to state govt. & Central Govt.)
3	No.of population benefited due to specific project	188 (Nos.)	About 188 nos. 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	194.45320	Direct benefit-to 188 persons @ Rs. 15.00 per ton Indirect benefit 4 times of direct benefit to 750 person's nos. @ Rs. 5.00 per ton
5	Economic benefits due to compensatory afforestation	1148.96268	Total no of plants @ 500 per ha : 52.056 x 500 =26028 Nos No. of matured trees after 40 years 25% = 6507 nos. Anticipated wood volume : 0.5 cum per tree = 3253.5 cum = 114896.268 cu ft Revenue-Considering Rs. 1000 per cu ft

[Signature]
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COST BENEFIT ANALYSIS / RATIO

SN	Description	Amount in Lakhs
1	Total loss per annum due to loss of timber, fire wood and minor forest produce and environmental loss due to loss of forest.	1767
2	Total benefit to the economy due to the project.	839001.3978
3	Hence, the cost-benefit ratio of the mining project is (Loss: Benefit)	1:814


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