



KASHVI POWER & STEEL PVT. LTD.

Regd. Office 1234-P. Gobindprasad, Bomikhal, Bhubaneswar - 751010, Odisha, India
Tel/Fax 0674-2549944, E-mail : groupkashvi@gmail.com
CIN : U40100OR2009PTC011341

ESTIMATION OF COST OF FOREST DIVERSION

S. No	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 4,85,87924.00 will be the cost towards NPV for diversion of 60.508 Ha forest land (NPV @ Rs 8, 03,000/Ha. ## Considering Eco Class III of Dense Forest.
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 Diverted.	30% OF NPV that is Rs 14576377.2
6	Cost of Suffering to oustees.	NOT APPLICABLE
7	Habitat fragmentation cost.	50% OF NPV that is Rs 24293962
8	Compensatory afforestation and soil Moisture conservation cost.	Cost of Compensatory afforestation & Soil Moisture conservation @Rs 165000/Ha. Hence total cost is Rs165000 x 60.508 = Rs 9983820.00

For Kashvi Power And Steel Pvt. Ltd.


General Manager (Liasioning)

For Kashvi Power & Steel Pvt. Ltd.



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BENEFIT OF FOREST DIVERSION

SN	PARAMETERS	Benefit in lakhs for the project	REMARKS
1	Increase in productivity attribute to the specific project.	Rs 69977.24	Total Iron Ore Reserve+55%Fe-16739282 tons @ Rs3327/- Total Iron Ore Reserve +45 to 55% - 7182332 tons @ Rs 1989/-
2	Benefits to the economy due to specific project	Rs 103433.61	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	250	About 250 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	Rs 4784.32	Direct benefit-250 @ Rs 15.00 per ton Indirect benefit 4times of direct benefit 1000 nos. @rs 5.00 per ton
5	Economic benefits due to compensatory afforestation	Rs 3176.67	Total no of plants @ 2000 per ha = 121016 Nos No. of matured trees after 40 years - 25% = 30254 nos. Anticipated wood volume -0.2 cum per tree = 6050.8 cum=211778 Cft Revenue-Considering Rs 1500 per tree

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Authorised Signatory

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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.	974.42
2	Total benefit to the economy due to the project.	181371.84
3	Hence, the cost-benefit ratio of the mining project is (Loss: Benefit)	1:186

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