

Diversion of 99.95 ha forest land for the project of ,mining of Manganese Ore from 105 ha lease area in Gugaldoh Block in village Manegaon (Rith) in Ramtek Taluka of Nagpur District, Maharashtra allotted to M/s Shanti GD Ispat and Power Private Limited.

COST BENEFITS ANALYSIS

Diversion of 99.95 ha forest land for the project of ,mining of Manganese Ore from 105 ha lease area in Gugaldoh Block in village Manegaon (Rith) in Ramtek Taluka of Nagpur District, Maharashtra allotted to M/s Shanti GD Ispat and Power Private Limited by Government of Maharashtra.

a) Parameters for Evaluation of Loss of Forests

Sr. No.	Parameters	Description	Amount (Rs. Lacs)
1	Loss of value of timber, fuel wood and minor forest produce on an annual basis including loss of man hours per annum of people who derived livelihood and wages from the harvest of these commodities.	As per recent guidelines issued by MOEF to consider NPV as loss. Total estimate forest to be diverted works out to be 99.95 ha.	729.37
2	Loss of animal husbandry productivity, including loss of fodder	No significant animal husbandry base is observed through forest stretch so as the fodder availability along road. However as per guidelines 10% of NPV is considered for monetary loss	72.937
3	Cost of human resettlement	There is no displacement related to in the forest area proposed for diversion and no loss to human resettlement	0
4	Loss of public facilities and administration infrastructure (Roads, Building School, dispensaries, electric lines, railways etc) on forest land, or which require forest land if these facilities were diverted due to the project.	There are no public facilities and administrative infrastructure (roads, buildings, schools, dispensaries, electric lines, railways, etc) on the forest land where diversion is proposed.	0
5	Possession value of forest land (diverted balance)	As per recent guidelines issued by MOEF to consider 30% NPV as loss. Total estimate forest to be diverted works out to be 99.95 ha.	218.811
6	Suffering to oustees	The widening and strengthen of the project road is to be undertaken on the adjoining land of the existing road, so there are no suffering to oustees.	0
7	Habitat Fragmentation Cost	As per recent guidelines 50% of NPV is to be considered as habitat fragmentation loss	364.685
8	Compensatory afforestation cost	The actual cost of compensatory afforestation and soil & moisture conservation and its maintenance in future at present discounted value.	799.6
	Net losses		2185.403



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b) Parameters for Evaluation of Benefits

Sr. No.	Parameters	Description	Amount (Rs. Lacs)
1	Increase in productively attribute to the specific project	Considering the estimated price of Processed ROM in the market @ Rs 1057/ton the estimated reserve of 4 lacs tons	4228
2	Benefits to economy due to the specific project.	Fees to Government Exchequer in terms of Royalty @ Rs 148.08/ T, SED @ RS 10/T SALE TAX @ Rs 66.,08/T and CLEAN ENERGY@ Rs 100 /T	1297
3	No. of population benefited due to specific project.	Population within 10 km will be beenfited through overall socio-economic development due to opening of mine and ancillary around. However these benefits are not quantified in terms of monitory benefits	Nil
4	Economic benefits due to of direct and indirect employment due to the project.	53 persons	2343
5	Economic benefits due to Compensatory afforestation.	Economic benefits to be accrued because of the compensatorya afforestation on double degraded area will be Rs. 1099 lacs. (Considering NPV rates as on date (8.81 lacs for HDF on Class II forest)notified by GOI with incremental value in 50 years @ 2% per year after completion of 10 years CA scheme	1596
	Total benefits		9464

Cost benfits analysis

Benefit to society	9464
Total cost to the socieity	2185
Cost/benefits ratio	4.33

Authorized Signatory

