

Aloke Steels Industries Private Limited

REGD OFFICE

: OPP. ASHOK CINEMA,
RANCHI ROAD, MARAR -829 117
DIST. - RAMGARH (JHARKHAND)
: U27103JH2004PTC010725
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CIN

Email

WORKS :

Vill : Budhakhap
Post : Karma -829137
Dist.-Ramgarh,(Jharkhand)

Ref. No.....

Date.....

COST BENEFIT RATIO

Table-A Estimation of cost of forest diversion

Sl. No.	Parameters	Value	Remarks
1	Ecosystem services losses due to purposes forest diversion	88.786 lakhs	NPV of 9.27 ha (7 ha Jungle Jhar and 2.27 ha Notified Forest).
2	Loss of animal husbandry Productivity Including loss off odder	8.878 lakhs	10% of NPV value is taken
3	Cost of human resettlement	Nil	
4	Loss of public facilities and administrative infrastructure (Roads, building, schools, dispensaries, electric lines, railway etc) On forest land, which would require forest land it these facilities were diverted due to the project.	Nil	
5	Possession value of forest land diverted	26.635 lakhs	30% of NPV value is taken or circle rate of adjoining area in the district
6	Cost of suffering out sees	Nil	
7	Habitat fragmentation cost	44.393 lakhs	50% of NPV value is taken
8	Compensatory afforestation and soil and moisture conservation compensatory cost.	146.82 lakhs	42.65 Lakh is for CA cost & 104.17 Lakh is for soil moisture (Assuming 0.5% of project cost Rs 208.35 crore).
Total Cost in monetary terms		315.512 lakhs	

Aloke Steels Industries Pvt. Ltd.


Authorised Signatory

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

Sl. No	Parameters	Result (INR in lakh)	Remarks
1	Increase in productivity attribute to the specific project	16953	Present turnover of existing Sponge Iron production is 220.47 crores. On expansion of the plant by addition of SMS, Rolling Mill & Power Plant it will be about 390 crore. So, 390 – 220.47 = 169.53 Crore (16953 lakhs)
2	Benefits to economy due to specific project	30000	Increase in Direct & Indirect taxes to the Government for ten years. (Economic upliftment of inhabitants of impact area in education, health, infrastructure etc.)
		300	Development work within the impact area under CSR activities for a period of ten years.
		2000	Approximate benefit for clean environment and soil conservation on installation of WHRB and AFBC power plant. WHRB generate power with use of waste heat of the plant and Fly Ash of AFBC will be used in making fly Ash bricks for ten year.
3	No. of population benefitted due to specific project.	500	As per Census 2011
4	Economic benefits due to direct and indirect employment due to project	6500	Wages payment to 500 nos direct employees after proposed expansion in upcoming ten years.
		1300	Wages payment to indirect employees (20% of direct employment).
5	Economic benefits due to compensatory afforestation	25.59	In CA wages (60% of total CA cost)
Total Benefit in Monetary Terms (2+4+5)		40125.59 lakh	

Ratio of loss: profit=315.512 /40125.59 =1/127.176

Aloke Steels Industries Pvt. Ltd.

Manoj Kumar

Authorized Signatory

For Aloke Steels Industries Pvt. Ltd

Place:-Ramgarh

Date: - 27.09.2023