


PARAMETER FOR EVALUATION OF BENEFIT NOT WITHSTANDING

LOSS OF FORESTS

Sl. No.	Parameters	Compliance
01	Increase in productivity attributable to the specific Project	15 MW Electricity to be supplied on daily basis for electrification of Railway line i.e $24000 \times 15 \times 0.29 \times 30 \times 12 =$ 375.84 lac
02	Benefits to economy in production.	375.84 lac
03	No. of population benefited.	5,00,000 persons
04	Employment potential	50 persons per day
05	Cost of acquisition of facility on non-forest land wherever feasible.	Nil
06	Loss of (a) agriculture & (b) animal husbandry production due to diversion of forest land.	Nil
07	Cost of rehabilitating the displaced Persons as different from compensatory amounts given for displacement	Nil
08	Cost of supply of free fuel to workers residing in or near forest area during the period of construction.	50 L x 36 Qtl of fire wood per Year x Rs 300 /- per qtl = Rs. 5.4 lac
	Total	Rs.381.24 lac


Deputy General Manager (Electrification)
HT Construction Division
OPTCL, ANGUL

PARAMETERS FOR EVALUATION OF LOSS OF FORESTS

Sl. No.	Parameters	Compliance
01	Loss of value of timber, fuel wood and Minor forest produce on an annual basis, including loss of man-hour per annum of people who derived livelihood and wages from the harvest of these commodities.	To be filled up after completion of tree enumeration Report.
02	Loss of animal husbandry productivity, including loss of fodder.	Nil
03	Cost of human settlement	Nil
04	Loss of public facilities and administrative infrastructure on forest land, or which would require forest land if these facilities were diverted due to the project.	Nil
05	Environmental losses:(soil erosion, effect on hydrological cycle, wildlife habitat, microclimate upsetting of ecological balance)	(Rs.126.74 Lac x 0.3 x 3.94 Ha)/50 yrs = Rs. 2.996 lacs
06	Suffering to oustees	Nil
07	N. P. V.	Rs.7.30 Lac x 3.940Ha = Rs.28.762 lac
	Total	Rs. 31.758 lac


Deputy General Manager (Elect)
EHT Construction Division
O.P.T.C.L. ANGUI

COST- BENEFIT ANALYSIS RATIO

Benefit to economy : Rs.381.24 lac
Loss on Forests : Rs. 31.758 lac

Cost – Benefit ratio : 1:12