

WORKSHEET FOR CALCULATION OF COST BENEFIT RATIO

For Construction of 33/11 kV sub-station with associated 33 kV line at Chingkhieiching, Porompat under NERPSIP with World Bank funding.

This project is for the onstruction of 33/11 kV sub-station with associated 33 kV line at Chingkhieiching, Porompat under North Eastern Region Power System Improvement Project (NERPSIP) with World Bank funding. The Project is taken up to give reliable power supply to each and every household in the surrounding villages of Chingkhieiching of Imphal East District, Manipur. The cost involved for the project and returns received is shown as under.

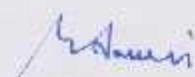
A. COST (Evaluation of Loss of Forest)

Sl. No.	Parameters	Details of calculations	Rate	Amount (Rs. in lakhs)
1	Cost of the Project.			450.10

B. BENEFITS (Evaluation of benefit)

Sl. No	Parameters	Details of Calculations	Amount (Rs. in lakhs)
1	Increase in productivity attributable to the specific project	5,000 nos of consumers @ Rs. 6000 pa for 25 years	7,500.00
2	Benefits to economy (i) agro Socio Economic (ASE) ii) Industrialization	20 Nos @ Rs.7200 pa for 25 yrs. 40 Nos @ Rs.12000 pa for 25 yrs.	36 120
3	No. of population benefited.		
4	Employment potential 30% on non executive Labour force Construction stage Maintenance		
5	Cost of acquisition of facility on non- forest land wherever feasible.		
6	Loss of (a) agriculture (b) animal husbandry production due to diversion of forest land.		
7	Cost of rehabilitating the displaced persons as different from compensatory amounts given for displacement.		
8	Cost of supply of free fuel-wood to workers residing in or near forest area during the period of construction.		
TOTAL:			7,656.00

Cost Benefit Ratio 450.10 : 7656.00 = 1 : 17.01



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