

WORKSHEET FOR CALCULATION OF COST BENEFIT RATIO

For construction of 132 kV Link Transmission Line for evacuation of Power from 400/132 kV Sub-Station at Thoubal to 132 kV Sub-Station at Kakching and Chandel on existing 132 kV line from Kongba to Kakching on turnkey basis

The construction of 132 kV Link transmission line to be erected from 400 kV Sub-Station at Thoubal to Yairipok Yambem (3.49 Km in Length) is to evacuate Power from 400 kV Sub-Station at Thoubal to 132 kV Sub-Stations at Kakching and Chandel. Once the project is commissioned, the Manipur State Power Company Limited will be benefitted to the consumers of Thoubal and Chandel Districts of 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.			797.72

B.BENEFITS (Evaluation of benefit)

Sl. No	Parameters	Details of Calculations	Amount (Rs. in lakhs)
1	Increase in productivity attributable to the specific project	30,000 nos of consumers @ Rs. 6000 pa for 25 years	45,000.00
2	Benefits to economy i) agro Socio Economic (ASE) ii) Industrialization	20 Nos @ Rs.7200 pa for 25 yrs. 20 Nos @ Rs.12000 pa for 25 yrs.	36 60
3	No. of population benefitted.		
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:			45,096.00

Cost Benefit Ratio $797.72 : 45096 = 1 : 56.53$


(N. Sarat Singh)
Managing Director
MSPCL, Manipur
Managing Director
Manipur State Power Corporation Ltd.
Imphal