

Computation of Benefit to Cost Ratio for Proposal-2			
Sl. No.	Particulars	Unit	Proposal -II
1	Estimated Cost (Project cost)	Lakhs	462.01
2	AE Savings	MU	1.448110
3	Cost of Energy (As per HESCOM Average Purchase Price)	Rs.	5.93
4	Proposed addition of the Capacity	MVA	5
5	Energy sale per MVA per year for 30years	MU	11.3623
6	% Load growth of the area	%	5.00
7	Additional energy available for sale (item 4 x item 5)	MU	56.81
8	Present transmission Charge	Rs.	0.1867
9	Transmission charges for sale of additional energy (item 8 x item 7x10)	Lakhs	106.07
10	Cost of Annual energy Savings due to loss reduction (item 2 x item 3)	Lakhs	85.87
11	Total cost of savings due to reduction in losses at cost of transmission charges (item 10 x 8.055))	Lakhs	691.71
12	Net Present Value (item 9 + item 11)	Lakhs	797.77
13	Annual O&M Charges expenses @ 1% of item 1	Lakhs	4.62
14	Present value of Annual O&M expenses over project period of 30years (item 13 x 8.055)	Lakhs	37.22
15	Total Investment + Present value of O&M	Lakhs	499.23
16	Benefit to cost ratio(Item 12/ Item15)		1.60