

SSSK, SADASHIVNAGAR ANNEXURE - III

SR. NO.	Financial / Commercial Data	
1.	Cogen project Cost Rs.	9294LAKHS
2.	Modernization project cost Rs	1667LAKHS
3.	Total project Rs	10916LAKHS
4.	Capital cost per MW with modernization	545LAKHS-
5.	Capital cost per MW without modernization	462,45LAKHS
6.	Production Cost Rs./ Unit	Rx1.25/Unit DPR Actual Rs3.0/unit
7.	Cost of Steam for Distillery Use Rs. /MT Total Cost Rs. Cr.	800/MT 1.37 up to jan12
8.	Cost of Electricity for distillery use Rs/ unit Total Cost Rs. Cr.	4.79
9.	Tariff considered Rs./ Units	4.79
10.	Total revenue/ Cash accrual (Rs. Cr.) 1 st year--- 2 nd year 3 rd year 4 th year 5 th year	Rx13,35,85,245
11.	Debit : Equity	1:3.68
12.	Equity 5 % SSK	462lakhs
13.	Equity 5 % State Govt.	462lakhs
14.	SDF (36.46 %)	2904lakhs
15.	FI/ Bank (53.54 %)	4620lakhs
16.	IRR (%)	-
17.	DSCR (Average)	1.73lakhs
18.	Break Even (%)	51.93%
19.	Pay back period	6-7years

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Sr.No.	Technical Data	SEASON	OFF SEASON
1.	Crushing Capacity Licensed(TCD)	2500	---
2.	Crushing Capacity Actual (TCD)	3500	---
3.	Crushing Capacity Considered for Co-Gen Project (Average of last 5 Years)	3200	Nil
	Boiler Parameters-Pressure ata /Temp 0 c/TPH(Existing)	110 bar 540 ⁰ C 120 TPH	110 bar 540 ⁰ C 120 TPH
5	Boiler parameters- Pressure ata /Temp 0 c/TPH(Existing)	110 bar 540 ⁰ C 120 TPH	110 bar 540 ⁰ C 120 TPH
6.	T.G. Set Type & capacity (Existing)	Single extraction double feed condensing 20MW	---
7.	T.G. Set Type & capacity (Existing)	Single extraction double feed condensing 20MW	---
8.	Operating days	160	---
9.	Steam requirement TPH (Existing)	99.45 TPH	83.35TPH
10.	Steam consumption % on cane for sugar (Existing)	40 %	---
11.	Steam to HP Header TPH	22.6	18.2
12.	Steam requirement to Distillery TPH (Existing)	9 TPH	9 TPH
13.	Steam required to deaerator TPH (Existing)	4.1TPH	6.0TPH
14.	Steam through condenser TPH	7.6TPH	50.9YPH
15.	Topping cycle efficiency % (A45 %)	NOT CALCULATED	NOT CALCULATED
16.	Thermal use % (A20 %)	%A20%	---
A.	FUEL UTILIZED	SEASON	OFF SEASON
1.	Ratio of bagasse to steam (Existing)	1/2.6	1/2.6
2.	Bagasse production % cane & TPH Biogas Equivalent Bagasse cane trash Total Bagasse production MT	28.5% Bagasse 41.47TPH 175295	---
3.	Bagasse used during season % cane/TPH Total Bagasse used, MT	37.5TPH 144000MT	---
4.	Bagasse saved % cane & MT	30295MT	---
5.	Bagasse used during season TPH/Total Qty MT	32MT 102682MT	---
6.	Alternate fuel used During season TPH/Total Qty MT 1.Biogas- 2.Cane Trash	---	---
B.	POWER BALANCE	SEASON	OFF SEASON
1.	Specific steam consumption/kwh/8ata/2.5 ata	5.2	4.2
2.	Power generation MW/ MUS	19MW	19.7MW
3.	Captive Power MW/ MUS	5.51MW	2.373MW
4.	Power Export MW/ MUS	13.489MW	17.327