



**Vikas Sahakari
Sakhar Karkhana Ltd.**

Sr No	TECHNICAL DATA	SEASON	OFF SEASON
1	Crushing capacity licensed	2500 TCD	
2	Crushing capacity Actual	3000 TCD	
3	Crushing capacity considered for cogen project (Average of last 5 years)	3500 TCD	
4	Boiler parameters – Pressure ata/ Temp ° C /TPH (Existing)	45 bar g .440 ° C, 65 TPH (55+10)	45 bar g 440 ° C, 10 TPH
5	Boiler parameters – Pressure ata/ Temp ° C /TPH (proposed)	i) 45 bar g .510 ° C, 55 TPH existing ii) 87 bar g .535 ° C, 40 TPH Proposed	87 bar g 535 ° C, 40 TPH (Proposed)
6	T.G. Set Type & Capacity (existing)	i) Back pressure 3 MW – 1 no. ii) Back pressure 0.6 MW – 1 no.	i) Back pressure 0.6 MW – 1 no.
7	T.G. Set Type & Capacity (Proposed)	i) Back pressure 10 MW – 1 no. ii) DEC 8 MW –1 no.	i) DEC 8 MW– 1 no
8	Operating days (Proposed)	160	140
9	Steam requirement TPH (Existing)	58 TPH	
10	Steam consumption % on cane for sugar (Existing)	42 %	-
11	Steam to HP heater TPH (Proposed)	8 TPH	2.5 TPH
12	Steam requirement to distillery TPH (Existing)	3 TPH	3 TPH
13	Steam requirement to dearator TPH (Existing)	-----	-----
14	Steam through condenser TPH (Proposed)	7 TPH	22.5 TPH
15	Topping cycle efficiency % (> 45%)	46.64 %	


ISO 9001 : 2000
Reg.No.: RQ91/5551

ADDRESS :-
Vaishalinagar, Nivli, Tq.Dist. Latur (Maharashtra.)
☎ (02382) - 277622 (6 Lines) ☎ (02382) 277631 ☎ : 117.
E-mail: ☐ HYPERLINK "mailto:vikassugar@sancharnet.in" ☐ vikassugar@sancharnet.in
D:\Admin Documents\GM\LETTER DOCUMENT\email.doc - 350 -



**Vikas Sahakari
Sakhar Karkhana Ltd.**

16	Thermal use % (> 20 %)	77.5 %	
	FUEL UTILIZATION	SEASON	OFF SEASON
1	Ratio of bagasse to steam (Existing)	2.2	
2	Bagasse production % cane % TPH	29.17 %	
	Biogas Equivalent bagasse cane trash	-----	
	Total bagasse production MT	140600	
3	Bagasse used during season % cane / TPH	21.05 %	
	Total bagasse used MT	1.015	
4	Bagasse saves % cane & MT	7.37 %	
5	Bagasse used during off season TPH / Total Qty. MT	-	
6	Alternate fuel used during season TPH / Qty. MT		
	i) Biogas	--	
	ii) Cane trash	--	
	POWER BALANCE	SEASON	OFF SEASON
1	Specific steam consumption / kwh/ 8ata / 2.5 ata	5.9 kg/kwh	4.06 kg/kwh
2	Power generation MW / MUS (Proposed)	15.5 / 53.568	8.00/ 24.192
3	Captive power MW / MUS (Proposed)	5.14 / 17.712	1.55 / 4.688
4	Power Expoert MW / MUS (Proposed)	10.36 / 35.806	6.45 /19.504

ISO 9001 : 2000
Reg.No.: RQ91/5551

ADDRESS :-

Vaishalinagar, Nivli, Tq. Dist. Latur (Maharashtra.)

☎ (02382) - 277622 (6 Lines) ☎ (02382) 277631 ☎ : 117.

E-mail: ☐ HYPERLINK "mailto:vikassugar@sancharnet.in" ☐ vikassugar@sancharnet.in

D:\Admin Documents\GM\LETTER DOCUMENT\email.doc



**Vikas Sahakari
Sakhar Karkhana Ltd.**

Sr. No.	Financial Data (As per DPR)	(Rs.in lakh)		
01.	Cogen Project Cost Rs.	6166.00		
02.	Modernization Project Cost Rs.	903.00		
03.	Total Project Rs.	7069.00		
04.	Capital cost per MW with modernization	392.72		
05.	Capital cost per MW without modernization	342.55		
06.	Production Cost Rs. / Unit	2.06		
07.	Cost of Steam for Distillery use Rs./MT. Total Cost Rs. Cr.	Rs. 400 Per. MT. 144.00		
08.	Cost of Electricity for Distillery use Rs./unit Total Cost Rs. Cr.	Rs. 4.60 Per Unit 163.39		
09.	Tariff considered Rs./Units	3.05 (Escalation with compounding @ 2%)		
10.	Total revenue / cash accrual (Rs. Cr.)			
	1 st year	1353.65		
	2 nd year	1458.39		
	3 rd year	1475.23		
	4 th year	1555.32		
	5 th year	1648.46		
11.	Debit : Equity	Co-gen	Mod.	Total
12.	Equity 5% SSK	308.00	113.00	421.00
13.	Equity 5 % State Government	308.00	0.00	308.00
14.	SDF	2334.00	338.00	2672.00
15.	FI / Bank / MNRE Subsidy	3216.00	452.00	3668.00
16.	IRR (%)	24.23 %		
17.	DSCR (Average)	2.71 %		
18.	Break Even (%)	41.55 %		
19.	Pay back period	4 Year 2 Months		