

ANNEXURE - IV

SR. NO.	TECHNICAL DATA	SEASON	OFF SEASON
1	Crushing capacity (tonnes)	3500 TCD	
2	Crushing capacity Actual	3500 TCD	
3	Crushing capacity considered for Cogeneration (Average of last 5 years)	3500 TCD	
4	Boiler parameters - Pressure ste/Temp. (bar/°C) (Existing)	67 kg/cm ² 485°C ± 5	
5	Boiler parameters - Pressure ste/Temp. (bar/°C) (Existing)	67 kg/cm ² 485°C ± 5	
6	BT O/Sol Type & capacity (Existing)	DEC 12.5 MW	
7	BT O/Sol Type & capacity (Existing)	DEC 12.5 MW	
8	Operating days	183	13
9	Steam requirement TPH (Existing)	75	60
10	Steam consumption % on cane for sugar (Existing)	48.23	
11	Steam to HP Header TPH	6.5 TPH	6.5 TPH
12	Steam requirement to Ordinary TPH (Existing)	5 TPH	
13	Steam required to heaters TPH (Existing)	4.5 TPH	10 TPH
14	Steam through condenser TPH	7 TPH	40 TPH
15	Boiling cycle efficiency % (≥45%)	47%	
16	Thermal use % (≥50%)	72.75%	
A FUEL UTILIZED			
1	Ratio of bagasse to steam (Existing)	2.25	
2	Bagasse production % cane & TPH	38.66%	
3	Bagasse Equivalent Bagasse cane trash	NA	
4	Total Bagasse production MT	150350.000	
5	Bagasse used during season % cane / TPH	152330.056	
6	Bagasse used % cane & MT	NA	
7	Bagasse used during off season TPH / Total Qty MT	NA	
8	Alternate fuel used during season TPH / Total Qty MT	NA	
9	1) Stages	NA	
10	2) Cane Trash	2144.000	
B POWER BALANCE			
1	Specific steam consumption / kWh / T cane / 2 sets		
2	Power generation MW / MUs	40356.07 / 40.064	
3	Capex Power MW / MUs	18030.07 / 18.030	
4	Power Export MW / MUs	22326.00 / 22.326	


CHIEF ENGINEER
 State Co. Sugar, Co. / Sugar Corporation
 Ltd., Kargal, Tel. Kargal, Dist. Kullu

ANNEXURE - III

SR.NO.	Financial / Commercial Data	
1	Cogen project cost Rs.in lakhs (As on 31.03.2012)	5545.37
2	Modernization project cost Rs.	-
3	Total project Rs.	5545.37
4	Capital cost per MW with modernization	-
5	Capital cost per MW without modernization	443.63
6	Production cost Rs. / Unit	4.99
7	Cost of Steam for Distillery Use Rs.488.64/24324 MT	488.64 / 24324
8	Total cost Rs.lakhs	118.96
9	Cost of Electricity for distillery use Rs. 4.99/1170434 unit	4.99 / 1170434
10	Total cost Rs. Lakhs	53.40
11	Tariff considered Rs. / units - exported	4.88
12	Total revenue / Cash accrual (Rs. Lakhs.)	
13	1st year	33.80
14	2nd year	517.59
15	3rd year	851.1
16	4th year	1356.91
17	5th year	1606.01
18	Debt : Equity	4
19	Equity SSK	4445.67
20	Equity State Govt.	-
21	SDF	1098.75
22	FI / Bank	-
23	IRR (%)	4.87%
24	DSCR (Average)	2.60
25	Break Even (%)	85%
26	Pay back period	5.83

** To substantiate commercial information the cogeneration facility shall provide yearly certified financial statement.

Authorized signatory
of cogeneration facility
CHIEF ENGINEER

Verified as per books of accounts and documents produced before us
for verification and information and explanation given to us.

For P. S. SETHI & CO.
Chartered Accountants
M.No. 104276



FOR P. S. SETHI & CO.
Chartered Accountants

PARTNER
Tushar Anturkar
Chartered Accountant
M.No. 104276