

ANNEXURE- III

Sr. N.	Technical Data	Details
1	Boiler Parameters	
a	Pressure-atm	38 atm
b	Temp °c	415 °c+15 °c
c	TPH	50 TPH
2	T.G. Set Type and Capacity (Existing)	2 Nos -2.5 MW & 3MW Exhaust Load
3	Operating Days	150 (Season 2011-12)
4	Steam Requirement TPH (Existing)	48 TPH
5	Steam to Hp header TPH	-
6	Steam required to deaerator (Existing)	-
7	Steam through condenser TPH	-
8	Type of Water Tube/Fuel Tube of Boiler	Water tube Type
9	If Fluidized Bed Combustion indicates FBC/PFF boiler with model No.	
10	Year of manufacture of Boiler	2001
11	Type of grate and grate of Boiler	Crumping Grate 32 M ²
12	Coal Consumption per Month	-
	Actual	
	Envisaged as per design	
13	Turbine	
a	Gross Heat Rate (With calculations Of Turbine Generator Cycle in Kcal/K Wh)	-
b	Inlet Steam Parameters	38Kg/cm ²
c	Inlet Steam Quantity	48000 Kg/hr
d	Cooling Water Flow	80 m ³ /hr(45° each)
e	Generated Voltage Level	415V
f	Circulating cooling water temperature at Inlet to condenser in °c	NA
g	Circulating cooling water temperature at outlet to condenser in °c	NA
h	Maximum continuous Rating (MCR) of Turbine	(2.5 +3) 5.5 MW
i	Frequency	50 Hz
j	Speed	6000 & 8225 RPM

General Manager
Shri Sakinagar Super & Allied
Industries Ltd. Dandakhan,
Tal. Bhangardi, Dist. A. Nagar



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Sr. No.	Power Balance	Details
1	Specific consumption/kwh/2.5ata	Specific steam consumption 7.5kg/kwh
2	Power generation (KWH)	10594573
3	Captive Power (KWH)	
4	Power Export (KWH)	2439800

Sr. No.	FUEL UTILIZED	Details
1	Type of Biomass	
a	Agro Industrial Residue	
b	Agro Residue	
2	Quantity of Biomass	
a	Daily (Tones)	
b	Yearly (Tones)	
3	Cost of Biomass at site (Rs per Ton)	
4	Proposed Biomass storage facility	
5	Biomass collection Mechanism	
6	Supplementary (Fossil) fuel (%)	

Sr. No.	Financial Data	Details
1	Bagasse Power Project Cost Rs.	5.80
2	Fixed	
a	Interest on project	-
b	Working Capital	-
c	Depreciation	-
d	O&M Expenses	90.00
3	Variable	-
a	Bagasse collection Cost	-
4	Capital Cost per MW without	-
a	Per tone Biomass Collection	-
b	O&M on Project	-
5	Production Cost Rs./Unit	-
6	Tariff Considered Rs./Units	-

	Total revenue/Cash accrual (Rs)	
7	1 st Year 2007-08	-
	2 nd Year 2008-09	-



General Manager
Sri Sugarcane Sugar Mills
Industries Ltd. Dandathan,
Tal. Sirgonda, Dist. Anand