

ANNEXURE III

Sr. No.	Technical Data	Details
1	Boiler Parameters	
a	Pressure-ata	67 ata
b	Temp °C	485° C ± 5° C
c	TPH	80 TPH
2	T.G. Set Type and Capacity (Existing)	Single extraction cum back pressure and 12.1 MW
3	Operating Days	191 (Season 2011 -2012)
4	Steam Requirement TPH (Existing)	72 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	2006
11	Type of grate and grate area of Boiler	Travelling grate type, 41.39 M²
12	Coal Combustion per month	-
	Actual	-
	Envisaged as per design	-
13	Turbine	
a	Gross Heat Rate (with calculations of Turbine Generator Cycle in	-
b	Inlet Steam Parameters	65 Kg/Cm² g
c	Inlet Steam Quantity	72000 kg/hr
d	Cooling Water Flow	146.2 M³/hr
e	Generated Voltage Level	11 KV
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	12.1 MW
i	Frequency	50 Hz
j	Speed	6317 RPM



Managing Director
Shri. Dnyaneshwar Sahakar Sakhar
Karkhans Ltd. Dnyaneshwar Nagar
Po. Bhende S.K. Tal. Nowasa, Dist. A. Nagar

Sr. No.	Power Balance	Details
1	Specific steam consumption/kWh/8ata/2.5ata	8.4 Kg/Kwh and 5.86 Kg/Kwh Respectively
2	Power generation MW/ MUS	45386000
3	Captive Power MW/MUS	7968818
4	Power Export MW/MUS	33248859.3
Sr. No.	FUEL UTILIZED	Details
1	Type of Biomass	
a	Agro Industrial Residue	Bagass
b	Agro Residue	
2	Quantity of Biomass	
a	Daily (Tonnes)	
b	Yearly (Tonnes)	
3	Cost of Biomass at site (Rs. Per Ton)	N/A
4	Proposed Biomass Storage facility	Storage Yard
5	Biomass Collection Mechanism	Return Bagass Carrier Mechanism
6	Supplementary (Fossil) fuel (%)	N/A



Managing Director
 Shri. Dhyaneshwar Sahasani Sakhal
 Karkhant Ltd. Dhyaneshwar Nagar
 Po. Bheode S.R. Tal. Nowasa, Dist. A/Nagar