

ANNEXURE – III

SR. NO.	Financial / Commercial Data	
1.	Cogen project Cost Rs.	21.62
2.	Modernization project cost Rs	
3.	Total project Rs	21.62
4.	Capital cost per MW with modernization	
5.	Capital cost per MW without modernization	1.62
6.	Production Cost Rs./ Unit	
7.	Cost of Steam for Distillery Use Rs. /MT Total Cost Rs. Cr. 1.37 (Apr. To Jan 12)	750/MT
8.	Cost of Electricity for distillery use Rs/ unit Total Cost Rs. Cr. 0.65 (Apr. To Jan 12)	4.79/unit
9.	Tariff considered Rs./ Units	4.79
10.	Total revenue/ Cash accrual (Rs. Cr.) 1 st year Apr. 11 to Jan.12 2 nd year 3 rd year 4 th year 5 th year	5.83
11.	Debit : Equity	13.50:1
12.	Equity 7.50 %	Rs. 1.62 crores
13.	Equity State Govt.	-
14.	SDF	-
15.	FI/ Bank (92.50%)	Rs. 20.00 crores
16.	IRR (%)	15.80%
17.	DSCR (Average)	1.91
18.	Break Even (%)	27.01%
19.	Pay back period	4 Yrs. 11 Mnths.


Finance Manager
 Vinhal Corporation Ltd, Mhaisgaon



Form 2.1 Form Template for Biomass power or non-fossil fuel based Cogeneration
Parameter Assumptions

Sr.No	Assumption Head	Sub-Head	Sub-Head (2)	Unit	Parameter values
1	Power Generation	Capacity	Installed Power Generation Capacity Auxiliary Consumption factor PLF (during stabilization up to 6 months) PLF (during 1 st yr after stabilization) PLF (2 nd yr onward) Commercial operation Date Useful life	MW % % % % Mm/yyyy Years	12 - 86.40 86.30 - 31/03/2011 11 Years
2	Project Cost	Capital Cost/MW	Normative Capital Cost Capital Cost Capital Subsidy, if any Net Capital Cost	Rs.Lakh/MW Rs.Lakh Rs. Lakh Rs.Lakh	296.52 3558.22 - 3558.22
3	Financial Assumptions	Debt: Equity	Tariff Period Debt Equity Total Debt Amount Total Equity Amount	Years % % Rs.Lakh Rs. Lakh	- 75% 25% 2668.67 989.82
		Debt Component	Loan Amount Mortgage period Repayment period (include Mortgage) Interest Rate	Rs.Lakh Years Years %	2668.67 2 years 9 years 12.25 %
		Equity Component	Equity Amount Return on Equity for first 10 years Return on Equity 11 th year onwards Discount Rate	Rs.Lakh % pa % pa %	989.82 42% 42% -
		Depreciation	Depreciation Rate for first 12 years Depreciation Rate 13 th year onwards Generation Based Incentives, if any Period for ITR	% % Rs Lakh Years	4.37% 4.31% - -
4	Operation & Maintenance	Normative O & M expense O & M expense per annum Escalation factor for O&M expense		Rs Lakh/MW Rs Lakh %	30.00 Lakhs 261.16 8%
5	Working Capital	O&M expense Maintenance Spare Receivables Biomass Stock Interest on working Capital	% of O&M expense	Months % Months Months % pa	- - 1.3 - -
6	Fuel related assumptions	Station Heat Rate	During Stabilization Post Stabilization Biomass fuel type-1 Biomass fuel type-2 Fossil Fuel (Coal) GCV of Biomass fuel type-1 GCV of Biomass fuel type-2 GCV Fossil Fuel (Coal) Biomass price (fuel type-1) yr-1 Biomass price (fuel type-2) yr-1 Fossil Fuel price (yearly) yr-1 Fuel price escalation factor	Kcal/KWh Kcal/MWh % % % Kcal/kg Kcal/kg Kcal/kg Rs/Mt Rs/Mt Rs/Mt % pa	7127 6022 - - - 2270 - - - - - -


Finance Manager
 Vitthal Corporation Ltd, Maharashtra
