

Assumption for Biomass Based Rankine Cycle Project Parameters					State	Punjab
S. No.	Assumption Head	Sub-Head	Sub-Head (2)	Unit	Parameter	
1	Power Generation	Capacity	Installed Power Generation Capacity	MW	1	
			Aux Consumption	%	10.00%	
			Plant Load Factor	%	80.00%	
			Useful Life	Years	25	
2	Project Cost	Capital Cost	Normative Capital Cost	Rs. Lakh/MW	559.00	
			Capital Cost	Rs. Lakh	559.00	
			Capital Subsidy	Rs. Lakh	0	
			Net Capital Cost	Rs. Lakh	559.00	
3	Financial Assumption	Debt Equity	Tariff Period	Years	25	
			Debt	%	70%	
			Equity	%	30%	
		Debt Component	Total Debt Amount	Rs. Lakh	391.30	
			Total Equity Amount	Rs. Lakh	167.70	
			Loan Amount	Rs. Lakh	391.30	
			Moratorium Period	Years	0	
			Repayment Period (including Moratorium)	Years	15	
		Equity Component	Interest Rate	%	9.67%	
			Equity Amount	Rs. Lakh	167.70	
			Return on Equity for First 20 years	% p.a	16.96%	
			Return on Equity after 20 years	% p.a	21.52%	
		Tax Rate	Discount Rate	%	8.61%	
			Corporate Tax Rate	%	34.94%	
Depreciation	MAT Rate	%	17.47%			
	Depreciation Rate for 1st 15 years	%	4.67%			
Depreciation	Depreciation Rate 16th years onwards	%	2.00%			
	Normative O&M expense	Rs. Lakh/MW	46.42			
4	O&M Expenses	O&M expenses p.a	Rs. Lakh	46.42		
		Escalation factor	%	3.84%		
		O&M expenses p.a	Month	1		
5	Working Capital	Maintenance Spares	% of O&M expenses	15.00%		
		Receivables	Days	1.5		
		Interest on Working Capital	% per annum	11.17%		
		Heat Rate	Kcal/kWh	4200.00		
6	Fuel Related Assumptions	Biomass	Fuel Price	Rs./MT	3960.00	
			GCV Biomass	kcal/kg	3100.00	
			Biomass price escalation factor	%	5.00%	
			Number of Hours	Hours	8766.00	
7	Generation and Sale of Power	Number of Hours		Hours	8766.00	



Assumption for Biomass Based Rankine Cycle Project Parameters				State	Rajasthan
S. No.	Assumption Head	Sub-Head	Sub-Head (2)	Unit	Parameter
1	Power Generation	Capacity	Installed Power Generation Capacity	MW	1
			Aux Consumption	%	10.00%
			Plant Load Factor	%	80.00%
			Useful Life	Years	25
2	Project Cost	Capital Cost	Normative Capital Cost	Rs. Lakh/MW	559.00
			Capital Cost	Rs. Lakh	559.00
			Capital Subsidy	Rs. Lakh	0
			Net Capital Cost	Rs. Lakh	559.00
3	Financial Assumption	Debt Equity	Tariff Period	Years	25
			Debt	%	70%
			Equity	%	30%
		Debt Component	Total Debt Amount	Rs. Lakh	391.30
			Total Equity Amount	Rs. Lakh	167.70
			Loan Amount	Rs. Lakh	391.30
			Moratorium Period	Years	0
			Repayment Period (including Moratorium)	Years	15
		Equity Component	Interest Rate	%	9.67%
			Equity Amount	Rs. Lakh	167.70
			Return on Equity for First 20 years	% p.a	16.96%
			Return on Equity after 20 years	% p.a	21.52%
		Tax Rate	Discount Rate	%	8.61%
			Corporate Tax Rate	%	34.94%
		Depreciation	MAT Rate	%	17.47%
			Depreciation Rate for 1st 15 years	%	4.67%
	Depreciation Rate 16th years onwards	%	2.00%		
	4	O&M Expenses	Normative O&M expense	Rs. Lakh/MW	46.42
O&M expenses p.a			Rs. Lakh	46.42	
Escalation factor			%	3.84%	
5	Working Capital		O&M expenses p.a	Month	1
			Maintenance Spares	% of O&M expenses	15.00%
			Receivables	Days	1.5
			Interest on Working Capital	% per annum	11.17%
6	Fuel Related Assumptions	Biomass	Heat Rate	Kcal/kWh	4200.00
			Fuel Price	Rs./MT	3305.00
			GCV Biomass	kcal/kg	3100.00
			Biomass price escalation factor	%	5.00%
7	Generation and Sale of Power	Number of Hours		Hours	8766.00



Assumption for Biomass Based Rankine Cycle Project Parameters				State	Annexure 2.1 F Tamil Nadu
S. No.	Assumption Head	Sub-Head	Sub-Head (2)	Unit	Parameter
1	Power Generation	Capacity	Installed Power Generation Capacity	MW	1
			Aux Consumption	%	10.00%
			Plant Load Factor	%	80.00%
			Useful Life	Years	25
2	Project Cost	Capital Cost	Normative Capital Cost	Rs. Lakh/MW	559.00
			Capital Cost	Rs. Lakh	559.00
			Capital Subsidy	Rs. Lakh	0
			Net Capital Cost	Rs. Lakh	559.00
3	Financial Assumption	Debt Equity	Tariff Period	Years	25
			Debt	%	70%
			Equity	%	30%
		Debt Component	Total Debt Amount	Rs. Lakh	391.30
			Total Equity Amount	Rs. Lakh	167.70
			Loan Amount	Rs. Lakh	391.30
			Moratorium Period	Years	0
			Repayment Period (including Moratorium)	Years	15
			Interest Rate	%	9.67%
		Equity Component	Equity Amount	Rs. Lakh	167.70
			Return on Equity for First 20 years	% p.a	16.96%
			Return on Equity after 20 years	% p.a	21.52%
			Discount Rate	%	8.61%
		Tax Rate	Corporate Tax Rate	%	34.94%
			MAT Rate	%	17.47%
Depreciation	Depreciation Rate for 1st 15 years	%	4.67%		
	Depreciation Rate 16th years onwards	%	2.00%		
4	O&M Expenses	Normative O&M expense	Rs. Lakh/MW	46.42	
		O&M expenses p.a	Rs. Lakh	46.42	
		Escalation factor	%	3.84%	
5	Working Capital	O&M expenses p.a	Month	1	
		Maintenance Spares	% of O&M expenses	15.00%	
		Receivables	Days	1.5	
		Interest on Working Capital	% per annum	11.17%	
6	Fuel Related Assumptions	Biomass	Heat Rate	Kcal/kWh	4200.00
			Fuel Price	Rs./MT	3272.00
			GCV Biomass	kcal/kg	3100.00
			Biomass price escalation factor	%	5.00%
7	Generation and Sale of Power	Number of Hours		Hours	8766.00



Assumption for Biomass Based Rankine Cycle Project Parameters				State	Telangana
S. No.	Assumption Head	Sub-Head	Sub-Head (2)	Unit	Parameter
1	Power Generation	Capacity	Installed Power Generation Capacity	MW	1
			Aux Consumption	%	10.00%
			Plant Load Factor	%	80.00%
			Useful Life	Years	25
2	Project Cost	Capital Cost	Normative Capital Cost	Rs. Lakh/MW	559.00
			Capital Cost	Rs. Lakh	559.00
			Capital Subsidy	Rs. Lakh	0
			Net Capital Cost	Rs. Lakh	559.00
3	Financial Assumption	Debt Equity	Tariff Period	Years	25
			Debt	%	70%
			Equity	%	30%
		Debt Component	Total Debt Amount	Rs. Lakh	391.30
			Total Equity Amount	Rs. Lakh	167.70
			Loan Amount	Rs. Lakh	391.30
			Moratorium Period	Years	0
			Repayment Period (including Moratorium)	Years	15
		Equity Component	Interest Rate	%	9.67%
			Equity Amount	Rs. Lakh	167.70
			Return on Equity for First 20 years	% p.a	16.96%
			Return on Equity after 20 years	% p.a	21.52%
		Tax Rate	Discount Rate	%	8.61%
			Corporate Tax Rate	%	34.94%
		Depreciation	MAT Rate	%	17.47%
			Depreciation Rate for 1st 15 years	%	4.67%
	Depreciation Rate 16th years onwards	%	2.00%		
	4	O&M Expenses	Normative O&M expense	Rs. Lakh/MW	46.42
O&M expenses p.a			Rs. Lakh	46.42	
Escalation factor			%	3.84%	
5	Working Capital	O&M expenses p.a	Month	1	
		Maintenance Spares	% of O&M expenses	15.00%	
		Receivables	Days	1.5	
		Interest on Working Capital	% per annum	11.17%	
6	Fuel Related Assumptions	Biomass	Heat Rate	Kcal/kWh	4200.00
			Fuel Price	Rs./MT	3326.00
			GCV Biomass	kcal/kg	3100.00
			Biomass price escalation factor	%	5.00%
7	Generation and Sale of Power	Number of Hours		Hours	8766.00





Assumption for Biomass Based Rankine Cycle Project Parameters				State	Uttar Pradesh
S. No.	Assumption Head	Sub-Head	Sub-Head (2)	Unit	Parameter
1	Power Generation	Capacity	Installed Power Generation Capacity	MW	1
			Aux Consumption	%	10.00%
			Plant Load Factor	%	80.00%
			Useful Life	Years	25
2	Project Cost	Capital Cost	Normative Capital Cost	Rs. Lakh/MW	559.00
			Capital Cost	Rs. Lakh	559.00
			Capital Subsidy	Rs. Lakh	0
			Net Capital Cost	Rs. Lakh	559.00
3	Financial Assumption	Debt Equity	Tariff Period	Years	25
			Debt	%	70%
			Equity	%	30%
		Debt Component	Total Debt Amount	Rs. Lakh	391.30
			Total Equity Amount	Rs. Lakh	167.70
			Loan Amount	Rs. Lakh	391.30
			Moratorium Period	Years	0
			Repayment Period (including Moratorium)	Years	15
		Equity Component	Interest Rate	%	9.67%
			Equity Amount	Rs. Lakh	167.70
			Return on Equity for First 20 years	% p.a	16.96%
			Return on Equity after 20 years	% p.a	21.52%
		Tax Rate	Discount Rate	%	8.61%
			Corporate Tax Rate	%	34.94%
Depreciation	MAT Rate	%	17.47%		
	Depreciation Rate for 1st 15 years	%	4.67%		
4	O&M Expenses		Depreciation Rate 16th years onwards	%	2.00%
			Normative O&M expense	Rs. Lakh/MW	46.42
			O&M expenses p.a	Rs. Lakh	46.42
5	Working Capital		Escalation factor	%	3.84%
			O&M expenses p.a	Month	1
			Maintenance Spares	% of O&M expenses	15.00%
			Receivables	Days	1.5
6	Fuel Related Assumptions	Biomass	Interest on Working Capital	% per annum	11.17%
			Heat Rate	Kcal/kWh	4200.00
			Fuel Price	Rs./MT	3384.00
			GCV Biomass	kcal/kg	3100.00
7	Generation and Sale of Power	Number of Hours	Biomass price escalation factor	%	5.00%
				Hours	8766.00



Assumption for Biomass Based Rankine Cycle Project Parameters				State	Other States
S. No.	Assumption Head	Sub-Head	Sub-Head (2)	Unit	Parameter
1	Power Generation	Capacity	Installed Power Generation Capacity	MW	1
			Aux Consumption	%	10.00%
			Plant Load Factor	%	80.00%
			Useful Life	Years	25
2	Project Cost	Capital Cost	Normative Capital Cost	Rs. Lakh/MW	559.00
			Capital Cost	Rs. Lakh	559.00
			Capital Subsidy	Rs. Lakh	0
			Net Capital Cost	Rs. Lakh	559.00
3	Financial Assumption	Debt Equity	Tariff Period	Years	25
			Debt	%	70%
			Equity	%	30%
		Debt Component	Total Debt Amount	Rs. Lakh	391.30
			Total Equity Amount	Rs. Lakh	167.70
			Loan Amount	Rs. Lakh	391.30
			Moratorium Period	Years	0
			Repayment Period (including Moratorium)	Years	15
		Equity Component	Interest Rate	%	9.67%
			Equity Amount	Rs. Lakh	167.70
			Return on Equity for First 20 years	% p.a	16.96%
			Return on Equity after 20 years	% p.a	21.52%
		Tax Rate	Discount Rate	%	8.61%
			Corporate Tax Rate	%	34.94%
		Depreciation	MAT Rate	%	17.47%
			Depreciation Rate for 1st 15 years	%	4.67%
Depreciation Rate 16th years onwards	%		2.00%		
4	O&M Expenses	Normative O&M expense	Rs. Lakh/MW	46.42	
		O&M expenses p.a	Rs. Lakh	46.42	
		Escalation factor	%	3.84%	
5	Working Capital	O&M expenses p.a	Month	1	
		Maintenance Spares	% of O&M expenses	15.00%	
		Receivables	Days	1.5	
		Interest on Working Capital	% per annum	11.17%	
6	Fuel Related Assumptions	Biomass	Heat Rate	Kcal/kWh	4200.00
			Fuel Price	Rs./MT	3557.00
			GCV Biomass	kcal/kg	3100.00
			Biomass price escalation factor	%	5.00%
7	Generation and Sale of Power	Number of Hours		Hours	8766.00



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Assumption for Biomass Based Rankine Cycle Project Parameters					State	Annexure 2.2A
					Andhra Pradesh	
S. No.	Assumption Head	Sub-Head	Sub-Head (2)	Unit	Parameter	
1	Power Generation	Capacity	Installed Power Generation Capacity	MW	1	
			Aux Consumption	%	12.00%	
			Plant Load Factor	%	80.00%	
			Useful Life	Years	25	
2	Project Cost	Capital Cost	Normative Capital Cost	Rs. Lakh/MW	600.00	
			Capital Cost	Rs. Lakh	600.00	
			Capital Subsidy	Rs. Lakh	0	
			Net Capital Cost	Rs. Lakh	600.00	
3	Financial Assumption	Debt Equity	Tariff Period	Years	25	
			Debt	%	70%	
			Equity	%	30%	
		Debt Component	Total Debt Amount	Rs. Lakh	420.00	
			Total Equity Amount	Rs. Lakh	180.00	
			Loan Amount	Rs. Lakh	420.00	
			Moratorium Period	Years	0	
			Repayment Period (including Moratorium)	Years	15	
		Equity Component	Interest Rate	%	9.67%	
			Equity Amount	Rs. Lakh	180.00	
			Return on Equity for First 20 years	% p.a	16.96%	
			Return on Equity after 20 years	% p.a	21.52%	
		Tax Rate	Discount Rate	%	8.61%	
			Corporate Tax Rate	%	34.94%	
Depreciation	MAT Rate	%	17.47%			
	Depreciation Rate for 1st 15 years	%	4.67%			
	Depreciation Rate 16th years onwards	%	2.00%			
	4	O&M Expenses	Normative O&M expense	Rs. Lakh/MW	46.42	
O&M expenses p.a			Rs. Lakh	46.42		
Escalation factor			%	3.84%		
5	Working Capital	O&M expenses p.a	Month	1		
		Maintenance Spares	% of O&M exepenses	% 15.00%		
		Receivables	Days	1.5		
		Interest on Working Capital	% per annum	11.17%		
6	Fuel Related Assumptions	Biomass	Heat Rate	Kcal/kWh	4200.00	
			Fuel Price	Rs./T	3326.00	
			GCV Biomass	kcal/kg	3100.00	
			Biomass price escalation factor	%	5.00%	
7	Generation and Sale of Power	Number of Hours		Hours	8766.00	



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Assumption for Biomass Based Rankine Cycle Project Parameters					Annexure 2.2B	
				State	Haryana	
S. No.	Assumption Head	Sub-Head	Sub-Head (2)	Unit	Parameter	
1	Power Generation	Capacity	Installed Power Generation Capacity	MW	1	
			Aux Consumption	%	12.00%	
			Plant Load Factor	%	80.00%	
			Useful Life	Years	25	
2	Project Cost	Capital Cost	Normative Capital Cost	Rs. Lakh/MW	600.00	
			Capital Cost	Rs. Lakh	600.00	
			Capital Subsidy	Rs. Lakh	0	
			Net Capital Cost	Rs. Lakh	600.00	
3	Financial Assumption	Debt Equity	Tariff Period	Years	25	
			Debt	%	70%	
			Equity	%	30%	
		Debt Component	Total Debt Amount	Rs. Lakh	420.00	
			Total Equity Amount	Rs. Lakh	180.00	
			Loan Amount	Rs. Lakh	420.00	
			Moratorium Period	Years	0	
			Repayment Period (including Moratorium)	Years	15	
		Equity Component	Interest Rate	%	9.67%	
			Equity Amount	Rs. Lakh	180.00	
			Return on Equity for First 20 years	% p.a	16.96%	
			Return on Equity after 20 years	% p.a	21.52%	
		Tax Rate	Discount Rate	%	8.61%	
			Corporate Tax Rate	%	34.94%	
Depreciation	MAT Rate	%	17.47%			
	Depreciation Rate for 1st 15 years	%	4.67%			
4	O&M Expenses		Depreciation Rate 16th years onwards	%	2.00%	
			Normative O&M expense	Rs. Lakh/MW	46.42	
			O&M expenses p.a	Rs. Lakh	46.42	
5	Working Capital		Escalation factor	%	3.84%	
			O&M expenses p.a	Month	1	
			Maintenance Spares	% of O&M exepenses	%	15.00%
			Receivables	Days	1.5	
6	Fuel Related Assumptions	Biomass	Interest on Working Capital	% per annum	11.17%	
			Heat Rate	Kcal/kWh	4200.00	
			Fuel Price	Rs./T	3786.00	
			GCV Biomass	kcal/kg	3100.00	
7	Generation and Sale of Power	Number of Hours	Biomass price escalation factor	%	5.00%	
				Hours	8766.00	





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Assumption for Biomass Based Rankine Cycle Project Parameters					Annexure 2.2C
				State	Maharashtra
S. No.	Assumption Head	Sub-Head	Sub-Head (2)	Unit	Parameter
1	Power Generation	Capacity	Installed Power Generation Capacity	MW	1
			Aux Consumption	%	12.00%
			Plant Load Factor	%	80.00%
			Useful Life	Years	25
2	Project Cost	Capital Cost	Normative Capital Cost	Rs. Lakh/MW	600.00
			Capital Cost	Rs. Lakh	600.00
			Capital Subsidy	Rs. Lakh	0
			Net Capital Cost	Rs. Lakh	600.00
3	Financial Assumption	Debt Equity	Tariff Period	Years	25
			Debt	%	70%
			Equity	%	30%
		Debt Component	Total Debt Amount	Rs. Lakh	420.00
			Total Equity Amount	Rs. Lakh	180.00
			Loan Amount	Rs. Lakh	420.00
			Moratorium Period	Years	0
			Repayment Period (including Moratorium)	Years	15
		Equity Component	Interest Rate	%	9.67%
			Equity Amount	Rs. Lakh	180.00
			Return on Equity for First 20 years	% p.a	16.96%
			Return on Equity after 20 years	% p.a	21.52%
		Tax Rate	Discount Rate	%	8.61%
			Corporate Tax Rate	%	34.94%
Depreciation	MAT Rate	%	17.47%		
	Depreciation Rate for 1st 15 years	%	4.67%		
4	O&M Expenses		Depreciation Rate 16th years onwards	%	2.00%
			Normative O&M expense	Rs. Lakh/MW	46.42
			O&M expenses p.a	Rs. Lakh	46.42
5	Working Capital		Escalation factor	%	3.84%
			O&M expenses p.a	Month	1
			Maintenance Spares	% of O&M exepenses	15.00%
			Receivables	Days	1.5
6	Fuel Related Assumptions	Biomass	Interest on Working Capital	% per annum	11.17%
			Heat Rate	Kcal/kWh	4200.00
			Fuel Price	Rs./T	3872.00
			GCV Biomass	kcal/kg	3100.00
7	Generation and Sale of Power	Number of Hours	Biomass price escalation factor	%	5.00%
				Hours	8766.00



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					Annexure 2.2D
Assumption for Biomass Based Rankine Cycle Project Parameters				State	Punjab
S. No.	Assumption Head	Sub-Head	Sub-Head (2)	Unit	Parameter
1	Power Generation	Capacity	Installed Power Generation Capacity	MW	1
			Aux Consumption	%	12.00%
			Plant Load Factor	%	80.00%
			Useful Life	Years	25
2	Project Cost	Capital Cost	Normative Capital Cost	Rs. Lakh/MW	600.00
			Capital Cost	Rs. Lakh	600.00
			Capital Subsidy	Rs. Lakh	0
			Net Capital Cost	Rs. Lakh	600.00
3	Financial Assumption	Debt Equity	Tariff Period	Years	25
			Debt	%	70%
			Equity	%	30%
		Debt Component	Total Debt Amount	Rs. Lakh	420.00
			Total Equity Amount	Rs. Lakh	180.00
			Loan Amount	Rs. Lakh	420.00
			Moratorium Period	Years	0
			Repayment Period (including Moratorium)	Years	15
		Equity Component	Interest Rate	%	9.67%
			Equity Amount	Rs. Lakh	180.00
			Return on Equity for First 20 years	% p.a	16.96%
			Return on Equity after 20 years	% p.a	21.52%
		Tax Rate	Discount Rate	%	8.61%
			Corporate Tax Rate	%	34.94%
Depreciation	MAT Rate	%	17.47%		
	Depreciation Rate for 1st 15 years	%	4.67%		
4	O&M Expenses		Depreciation Rate 16th years onwards	%	2.00%
			Normative O&M expense	Rs. Lakh/MW	46.42
			O&M expenses p.a	Rs. Lakh	46.42
			Escalation factor	%	3.84%
5	Working Capital		O&M expenses p.a	Month	1
			Maintenance Spares	% of O&M exepenses	15.00%
			Receivables	Days	1.5
			Interest on Working Capital	% per annum	11.17%
6	Fuel Related Assumptions	Biomass	Heat Rate	Kcal/kWh	4200.00
			Fuel Price	Rs./T	3960.00
			GCV Biomass	kcal/kg	3100.00
			Biomass price escalation factor	%	5.00%
7	Generation and Sale of Power	Number of Hours		Hours	8766.00



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Assumption for Biomass Based Rankine Cycle Project Parameters					Annexure 2.2E	
				State	Rajasthan	
S. No.	Assumption Head	Sub-Head	Sub-Head (2)	Unit	Parameter	
1	Power Generation	Capacity	Installed Power Generation Capacity	MW	1	
			Aux Consumption	%	12.00%	
			Plant Load Factor	%	80.00%	
			Useful Life	Years	25	
2	Project Cost	Capital Cost	Normative Capital Cost	Rs. Lakh/MW	600.00	
			Capital Cost	Rs. Lakh	600.00	
			Capital Subsidy	Rs. Lakh	0	
			Net Capital Cost	Rs. Lakh	600.00	
3	Financial Assumption	Debt Equity	Tariff Period	Years	25	
			Debt	%	70%	
			Equity	%	30%	
		Debt Component	Total Debt Amount	Rs. Lakh	420.00	
			Total Equity Amount	Rs. Lakh	180.00	
			Loan Amount	Rs. Lakh	420.00	
			Moratorium Period	Years	0	
			Repayment Period (including Moratorium)	Years	15	
		Equity Component	Interest Rate	%	9.67%	
			Equity Amount	Rs. Lakh	180.00	
			Return on Equity for First 20 years	% p.a	16.96%	
			Return on Equity after 20 years	% p.a	21.52%	
		Tax Rate	Discount Rate	%	8.61%	
			Corporate Tax Rate	%	34.94%	
Depreciation	MAT Rate	%	17.47%			
	Depreciation Rate for 1st 15 years	%	4.67%			
4	O&M Expenses		Depreciation Rate 16th years onwards	%	2.00%	
			Normative O&M expense	Rs. Lakh/MW	46.42	
			O&M expenses p.a	Rs. Lakh	46.42	
5	Working Capital		Escalation factor	%	3.84%	
			O&M expenses p.a	Month	1	
			Maintenance Spares	% of O&M exepenses	%	15.00%
			Receivables	Days	1.5	
6	Fuel Related Assumptions	Biomass	Interest on Working Capital	% per annum	11.17%	
			Heat Rate	Kcal/kWh	4200.00	
			Fuel Price	Rs./T	3305.00	
			GCV Biomass	kcal/kg	3100.00	
7	Generation and Sale of Power	Number of Hours	Biomass price escalation factor	%	5.00%	
				Hours	8766.00	



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Assumption for Biomass Based Rankine Cycle Project Parameters					Annexure 2.2F	
				State	Tamil Nadu	
S. No.	Assumption Head	Sub-Head	Sub-Head (2)	Unit	Parameter	
1	Power Generation	Capacity	Installed Power Generation Capacity	MW	1	
			Aux Consumption	%	12.00%	
			Plant Load Factor	%	80.00%	
			Useful Life	Years	25	
2	Project Cost	Capital Cost	Normative Capital Cost	Rs. Lakh/MW	600.00	
			Capital Cost	Rs. Lakh	600.00	
			Capital Subsidy	Rs. Lakh	0	
			Net Capital Cost	Rs. Lakh	600.00	
3	Financial Assumption	Debt Equity	Tariff Period	Years	25	
			Debt	%	70%	
			Equity	%	30%	
		Debt Component	Total Debt Amount	Rs. Lakh	420.00	
			Total Equity Amount	Rs. Lakh	180.00	
			Loan Amount	Rs. Lakh	420.00	
			Moratorium Period	Years	0	
			Repayment Period (including Moratorium)	Years	15	
		Equity Component	Interest Rate	%	9.67%	
			Equity Amount	Rs. Lakh	180.00	
			Return on Equity for First 20 years	% p.a	16.96%	
			Return on Equity after 20 years	% p.a	21.52%	
		Tax Rate	Discount Rate	%	8.61%	
			Corporate Tax Rate	%	34.94%	
Depreciation	MAT Rate	%	17.47%			
	Depreciation Rate for 1st 15 years	%	4.67%			
4	O&M Expenses		Depreciation Rate 16th years onwards	%	2.00%	
			Normative O&M expense	Rs. Lakh/MW	46.42	
			O&M expenses p.a	Rs. Lakh	46.42	
5	Working Capital		Escalation factor	%	3.84%	
			O&M expenses p.a	Month	1	
			Maintenance Spares	% of O&M exepenses	%	15.00%
			Receivables	Days	1.5	
6	Fuel Related Assumptions	Biomass	Interest on Working Capital	% per annum	11.17%	
			Heat Rate	Kcal/kWh	4200.00	
			Fuel Price	Rs./T	3272.00	
			GCV Biomass	kcal/kg	3100.00	
7	Generation and Sale of Power	Number of Hours	Biomass price escalation factor	%	5.00%	
				Hours	8766.00	





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Assumption for Biomass Based Rankine Cycle Project Parameters					Annexure 2.2G	
				State	Telangana	
S. No.	Assumption Head	Sub-Head	Sub-Head (2)	Unit	Parameter	
1	Power Generation	Capacity	Installed Power Generation Capacity	MW	1	
			Aux Consumption	%	12.00%	
			Plant Load Factor	%	80.00%	
			Useful Life	Years	25	
2	Project Cost	Capital Cost	Normative Capital Cost	Rs. Lakh/MW	600.00	
			Capital Cost	Rs. Lakh	600.00	
			Capital Subsidy	Rs. Lakh	0	
			Net Capital Cost	Rs. Lakh	600.00	
3	Financial Assumption	Debt Equity	Tariff Period	Years	25	
			Debt	%	70%	
			Equity	%	30%	
		Debt Component	Total Debt Amount	Rs. Lakh	420.00	
			Total Equity Amount	Rs. Lakh	180.00	
			Loan Amount	Rs. Lakh	420.00	
			Moratorium Period	Years	0	
			Repayment Period (including Moratorium)	Years	15	
		Equity Component	Interest Rate	%	9.67%	
			Equity Amount	Rs. Lakh	180.00	
			Return on Equity for First 20 years	% p.a	16.96%	
			Return on Equity after 20 years	% p.a	21.52%	
		Tax Rate	Discount Rate	%	8.61%	
			Corporate Tax Rate	%	34.94%	
Depreciation	MAT Rate	%	17.47%			
	Depreciation Rate for 1st 15 years	%	4.67%			
4	O&M Expenses		Depreciation Rate 16th years onwards	%	2.00%	
			Normative O&M expense	Rs. Lakh/MW	46.42	
			O&M expenses p.a	Rs. Lakh	46.42	
5	Working Capital		Escalation factor	%	3.84%	
			O&M expenses p.a	Month	1	
			Maintenance Spares	% of O&M exepenses	%	15.00%
			Receivables	Days	1.5	
6	Fuel Related Assumptions	Biomass	Interest on Working Capital	% per annum	11.17%	
			Heat Rate	Kcal/kWh	4200.00	
			Fuel Price	Rs./T	3326.00	
			GCV Biomass	kcal/kg	3100.00	
7	Generation and Sale of Power	Number of Hours	Biomass price escalation factor	%	5.00%	
				Hours	8766.00	



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Assumption for Biomass Based Rankine Cycle Project Parameters					Annexure 2.2H	
				State	Uttar Pradesh	
S. No.	Assumption Head	Sub-Head	Sub-Head (2)	Unit	Parameter	
1	Power Generation	Capacity	Installed Power Generation Capacity	MW	1	
			Aux Consumption	%	12.00%	
			Plant Load Factor	%	80.00%	
			Useful Life	Years	25	
2	Project Cost	Capital Cost	Normative Capital Cost	Rs. Lakh/MW	600.00	
			Capital Cost	Rs. Lakh	600.00	
			Capital Subsidy	Rs. Lakh	0	
			Net Capital Cost	Rs. Lakh	600.00	
3	Financial Assumption	Debt Equity	Tariff Period	Years	25	
			Debt	%	70%	
			Equity	%	30%	
		Debt Component	Total Debt Amount	Rs. Lakh	420.00	
			Total Equity Amount	Rs. Lakh	180.00	
			Loan Amount	Rs. Lakh	420.00	
			Moratorium Period	Years	0	
			Repayment Period (including Moratorium)	Years	15	
		Equity Component	Interest Rate	%	9.67%	
			Equity Amount	Rs. Lakh	180.00	
			Return on Equity for First 20 years	% p.a	16.96%	
			Return on Equity after 20 years	% p.a	21.52%	
		Tax Rate	Discount Rate	%	8.61%	
			Corporate Tax Rate	%	34.94%	
Depreciation	MAT Rate	%	17.47%			
	Depreciation Rate for 1st 15 years	%	4.67%			
4	O&M Expenses		Depreciation Rate 16th years onwards	%	2.00%	
			Normative O&M expense	Rs. Lakh/MW	46.42	
			O&M expenses p.a	Rs. Lakh	46.42	
5	Working Capital		Escalation factor	%	3.84%	
			O&M expenses p.a	Month	1	
			Maintenance Spares	% of O&M exepenses	%	15.00%
			Receivables	Days	1.5	
6	Fuel Related Assumptions	Biomass	Interest on Working Capital	% per annum	11.17%	
			Heat Rate	Kcal/kWh	4200.00	
			Fuel Price	Rs./T	3384.00	
			GCV Biomass	kcal/kg	3100.00	
7	Generation and Sale of Power	Number of Hours	Biomass price escalation factor	%	5.00%	
				Hours	8766.00	



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Assumption for Biomass Based Rankine Cycle Project Parameters					Annexure 2.2I	
				State	Other States	
S. No.	Assumption Head	Sub-Head	Sub-Head (2)	Unit	Parameter	
1	Power Generation	Capacity	Installed Power Generation Capacity	MW	1	
			Aux Consumption	%	12.00%	
			Plant Load Factor	%	80.00%	
			Useful Life	Years	25	
2	Project Cost	Capital Cost	Normative Capital Cost	Rs. Lakh/MW	600.00	
			Capital Cost	Rs. Lakh	600.00	
			Capital Subsidy	Rs. Lakh	0	
			Net Capital Cost	Rs. Lakh	600.00	
3	Financial Assumption	Debt Equity	Tariff Period	Years	25	
			Debt	%	70%	
			Equity	%	30%	
		Debt Component	Total Debt Amount	Rs. Lakh	420.00	
			Total Equity Amount	Rs. Lakh	180.00	
			Loan Amount	Rs. Lakh	420.00	
			Moratorium Period	Years	0	
			Repayment Period (including Moratorium)	Years	15	
		Equity Component	Interest Rate	%	9.67%	
			Equity Amount	Rs. Lakh	180.00	
			Return on Equity for First 20 years	% p.a	16.96%	
			Return on Equity after 20 years	% p.a	21.52%	
		Tax Rate	Discount Rate	%	8.61%	
			Corporate Tax Rate	%	34.94%	
Depreciation	MAT Rate	%	17.47%			
	Depreciation Rate for 1st 15 years	%	4.67%			
4	O&M Expenses		Depreciation Rate 16th years onwards	%	2.00%	
			Normative O&M expense	Rs. Lakh/MW	46.42	
			O&M expenses p.a	Rs. Lakh	46.42	
5	Working Capital		Escalation factor	%	3.84%	
			O&M expenses p.a	Month	1	
			Maintenance Spares	% of O&M exepenses	%	15.00%
			Receivables	Days	1.5	
6	Fuel Related Assumptions	Biomass	Interest on Working Capital	% per annum	11.17%	
			Heat Rate	Kcal/kWh	4200.00	
			Fuel Price	Rs./T	3557.00	
			GCV Biomass	kcal/kg	3100.00	
7	Generation and Sale of Power	Number of Hours	Biomass price escalation factor	%	5.00%	
				Hours	8766.00	



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Assumption for Biomass Based Rankine Cycle Project Parameters					Annexure 2.3A	
				State	Andhra Pradesh	
S. No.	Assumption Head	Sub-Head	Sub-Head (2)	Unit	Parameter	
1	Power Generation	Capacity	Installed Power Generation Capacity	MW	1	
			Aux Consumption	%	10.00%	
			Plant Load Factor	%	80.00%	
			Useful Life	Years	25	
2	Project Cost	Capital Cost	Normative Capital Cost	Rs. Lakh/MW	611.00	
			Capital Cost	Rs. Lakh	611.00	
			Capital Subsidy	Rs. Lakh	0	
			Net Capital Cost	Rs. Lakh	611.00	
3	Financial Assumption	Debt Equity	Tariff Period	Years	25	
			Debt	%	70%	
			Equity	%	30%	
		Debt Component	Total Debt Amount	Rs. Lakh	427.70	
			Total Equity Amount	Rs. Lakh	183.30	
			Loan Amount	Rs. Lakh	427.70	
			Moratorium Period	Years	0	
			Repayment Period (including Moratorium)	Years	15	
		Equity Component	Interest Rate	%	9.67%	
			Equity Amount	Rs. Lakh	183.30	
			Return on Equity for First 20 years	% p.a	16.96%	
			Return on Equity after 20 years	% p.a	21.52%	
		Tax Rate	Discount Rate	%	8.61%	
			Corporate Tax Rate	%	34.94%	
Depreciation	MAT Rate	%	17.47%			
	Depreciation Rate for 1st 15 years	%	4.67%			
4	O&M Expenses		Depreciation Rate 16th years onwards	%	2.00%	
			Normative O&M expense	Rs. Lakh/MW	46.42	
			O&M expenses p.a	Rs. Lakh	46.42	
5	Working Capital		Escalation factor	%	3.84%	
			O&M expenses p.a	Month	1	
			Maintenance Spares	% of O&M exepenses	%	15.00%
			Receivables	Days	1.5	
6	Fuel Related Assumptions	Biomass	Interest on Working Capital	% per annum	11.17%	
			Heat Rate	Kcal/kWh	4200.00	
			Fuel Price	Rs./T	3326.00	
			GCV Biomass	kcal/kg	3100.00	
7	Generation and Sale of Power	Number of Hours	Biomass price escalation factor	%	5.00%	
				Hours	8766.00	





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Assumption for Biomass Based Rankine Cycle Project Parameters					Annexure 2.3B	
				State	Haryana	
S. No.	Assumption Head	Sub-Head	Sub-Head (2)	Unit	Parameter	
1	Power Generation	Capacity	Installed Power Generation Capacity	MW	1	
			Aux Consumption	%	10.00%	
			Plant Load Factor	%	80.00%	
			Useful Life	Years	25	
2	Project Cost	Capital Cost	Normative Capital Cost	Rs. Lakh/MW	611.00	
			Capital Cost	Rs. Lakh	611.00	
			Capital Subsidy	Rs. Lakh	0	
			Net Capital Cost	Rs. Lakh	611.00	
3	Financial Assumption	Debt Equity	Tariff Period	Years	25	
			Debt	%	70%	
			Equity	%	30%	
		Debt Component	Total Debt Amount	Rs. Lakh	427.70	
			Total Equity Amount	Rs. Lakh	183.30	
			Loan Amount	Rs. Lakh	427.70	
			Moratorium Period	Years	0	
			Repayment Period (including Moratorium)	Years	15	
		Equity Component	Interest Rate	%	9.67%	
			Equity Amount	Rs. Lakh	183.30	
			Return on Equity for First 20 years	% p.a	16.96%	
			Return on Equity after 20 years	% p.a	21.52%	
		Tax Rate	Discount Rate	%	8.61%	
			Corporate Tax Rate	%	34.94%	
Depreciation	MAT Rate	%	17.47%			
	Depreciation Rate for 1st 15 years	%	4.67%			
4	O&M Expenses		Depreciation Rate 16th years onwards	%	2.00%	
			Normative O&M expense	Rs. Lakh/MW	46.42	
			O&M expenses p.a	Rs. Lakh	46.42	
5	Working Capital		Escalation factor	%	3.84%	
			O&M expenses p.a	Month	1	
			Maintenance Spares	% of O&M exepenses	%	15.00%
			Receivables	Days	1.5	
6	Fuel Related Assumptions	Biomass	Interest on Working Capital	% per annum	11.17%	
			Heat Rate	Kcal/kWh	4200.00	
			Fuel Price	Rs./T	3786.00	
			GCV Biomass	kcal/kg	3100.00	
7	Generation and Sale of Power	Number of Hours	Biomass price escalation factor	%	5.00%	
				Hours	8766.00	



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Assumption for Biomass Based Rankine Cycle Project Parameters					Annexure 2.3C
				State	Maharashtra
S. No.	Assumption Head	Sub-Head	Sub-Head (2)	Unit	Parameter
1	Power Generation	Capacity	Installed Power Generation Capacity	MW	1
			Aux Consumption	%	10.00%
			Plant Load Factor	%	80.00%
			Useful Life	Years	25
2	Project Cost	Capital Cost	Normative Capital Cost	Rs. Lakh/MW	611.00
			Capital Cost	Rs. Lakh	611.00
			Capital Subsidy	Rs. Lakh	0
			Net Capital Cost	Rs. Lakh	611.00
3	Financial Assumption	Debt Equity	Tariff Period	Years	25
			Debt	%	70%
			Equity	%	30%
		Debt Component	Total Debt Amount	Rs. Lakh	427.70
			Total Equity Amount	Rs. Lakh	183.30
			Loan Amount	Rs. Lakh	427.70
			Moratorium Period	Years	0
			Repayment Period (including Moratorium)	Years	15
		Equity Component	Interest Rate	%	9.67%
			Equity Amount	Rs. Lakh	183.30
			Return on Equity for First 20 years	% p.a	16.96%
			Return on Equity after 20 years	% p.a	21.52%
		Tax Rate	Discount Rate	%	8.61%
			Corporate Tax Rate	%	34.94%
Depreciation	MAT Rate	%	17.47%		
	Depreciation Rate for 1st 15 years	%	4.67%		
	Depreciation Rate 16th years onwards	%	2.00%		
	4	O&M Expenses	Normative O&M expense	Rs. Lakh/MW	46.42
O&M expenses p.a			Rs. Lakh	46.42	
Escalation factor			%	3.84%	
5	Working Capital	O&M expenses p.a	Month	1	
		Maintenance Spares	% of O&M exepenses	%	15.00%
		Receivables	Days	1.5	
		Interest on Working Capital	% per annum	11.17%	
6	Fuel Related Assumptions	Biomass	Heat Rate	Kcal/kWh	4200.00
			Fuel Price	Rs./T	3872.00
			GCV Biomass	kcal/kg	3100.00
			Biomass price escalation factor	%	5.00%
7	Generation and Sale of Power	Number of Hours		Hours	8766.00



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Assumption for Biomass Based Rankine Cycle Project Parameters					Annexure 2.3D	
				State	Punjab	
S. No.	Assumption Head	Sub-Head	Sub-Head (2)	Unit	Parameter	
1	Power Generation	Capacity	Installed Power Generation Capacity	MW	1	
			Aux Consumption	%	10.00%	
			Plant Load Factor	%	80.00%	
			Useful Life	Years	25	
2	Project Cost	Capital Cost	Normative Capital Cost	Rs. Lakh/MW	611.00	
			Capital Cost	Rs. Lakh	611.00	
			Capital Subsidy	Rs. Lakh	0	
			Net Capital Cost	Rs. Lakh	611.00	
3	Financial Assumption	Debt Equity	Tariff Period	Years	25	
			Debt	%	70%	
			Equity	%	30%	
		Debt Component	Total Debt Amount	Rs. Lakh	427.70	
			Total Equity Amount	Rs. Lakh	183.30	
			Loan Amount	Rs. Lakh	427.70	
			Moratorium Period	Years	0	
			Repayment Period (including Moratorium)	Years	15	
		Equity Component	Interest Rate	%	9.67%	
			Equity Amount	Rs. Lakh	183.30	
			Return on Equity for First 20 years	% p.a	16.96%	
			Return on Equity after 20 years	% p.a	21.52%	
			Discount Rate	%	8.61%	
		Tax Rate	Corporate Tax Rate	%	34.94%	
MAT Rate	%		17.47%			
Depreciation	Depreciation Rate for 1st 15 years	%	4.67%			
	Depreciation Rate 16th years onwards	%	2.00%			
4	O&M Expenses	Normative O&M expense		Rs. Lakh/MW	46.42	
		O&M expenses p.a		Rs. Lakh	46.42	
		Escalation factor		%	3.84%	
5	Working Capital	O&M expenses p.a		Month	1	
		Maintenance Spares	% of O&M exepenses	%	15.00%	
		Receivables		Days	1.5	
		Interest on Working Capital		% per annum	11.17%	
6	Fuel Related Assumptions	Biomass	Heat Rate	Kcal/kWh	4200.00	
			Fuel Price	Rs./T	3960.00	
			GCV Biomass	kcal/kg	3100.00	
			Biomass price escalation factor	%	5.00%	
7	Generation and Sale of Power	Number of Hours		Hours	8766.00	



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Assumption for Biomass Based Rankine Cycle Project Parameters					Annexure 2.3E	
				State	Rajasthan	
S. No.	Assumption Head	Sub-Head	Sub-Head (2)	Unit	Parameter	
1	Power Generation	Capacity	Installed Power Generation Capacity	MW	1	
			Aux Consumption	%	10.00%	
			Plant Load Factor	%	80.00%	
			Useful Life	Years	25	
2	Project Cost	Capital Cost	Normative Capital Cost	Rs. Lakh/MW	611.00	
			Capital Cost	Rs. Lakh	611.00	
			Capital Subsidy	Rs. Lakh	0	
			Net Capital Cost	Rs. Lakh	611.00	
3	Financial Assumption	Debt Equity	Tariff Period	Years	25	
			Debt	%	70%	
			Equity	%	30%	
		Debt Component	Total Debt Amount	Rs. Lakh	427.70	
			Total Equity Amount	Rs. Lakh	183.30	
			Loan Amount	Rs. Lakh	427.70	
			Moratorium Period	Years	0	
			Repayment Period (including Moratorium)	Years	15	
		Equity Component	Interest Rate	%	9.67%	
			Equity Amount	Rs. Lakh	183.30	
			Return on Equity for First 20 years	% p.a	16.96%	
			Return on Equity after 20 years	% p.a	21.52%	
		Tax Rate	Discount Rate	%	8.61%	
			Corporate Tax Rate	%	34.94%	
Depreciation	MAT Rate	%	17.47%			
	Depreciation Rate for 1st 15 years	%	4.67%			
4	O&M Expenses		Depreciation Rate 16th years onwards	%	2.00%	
			Normative O&M expense	Rs. Lakh/MW	46.42	
			O&M expenses p.a	Rs. Lakh	46.42	
5	Working Capital		Escalation factor	%	3.84%	
			O&M expenses p.a	Month	1	
			Maintenance Spares	% of O&M exepenses	%	15.00%
			Receivables	Days	1.5	
6	Fuel Related Assumptions	Biomass	Interest on Working Capital	% per annum	11.17%	
			Heat Rate	Kcal/kWh	4200.00	
			Fuel Price	Rs./T	3305.00	
			GCV Biomass	kcal/kg	3100.00	
7	Generation and Sale of Power	Number of Hours	Biomass price escalation factor	%	5.00%	
				Hours	8766.00	





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Assumption for Biomass Based Rankine Cycle Project Parameters					Annexure 2.3F	
				State	Tamil Nadu	
S. No.	Assumption Head	Sub-Head	Sub-Head (2)	Unit	Parameter	
1	Power Generation	Capacity	Installed Power Generation Capacity	MW	1	
			Aux Consumption	%	10.00%	
			Plant Load Factor	%	80.00%	
			Useful Life	Years	25	
2	Project Cost	Capital Cost	Normative Capital Cost	Rs. Lakh/MW	611.00	
			Capital Cost	Rs. Lakh	611.00	
			Capital Subsidy	Rs. Lakh	0	
			Net Capital Cost	Rs. Lakh	611.00	
3	Financial Assumption	Debt Equity	Tariff Period	Years	25	
			Debt	%	70%	
			Equity	%	30%	
		Debt Component	Total Debt Amount	Rs. Lakh	427.70	
			Total Equity Amount	Rs. Lakh	183.30	
			Loan Amount	Rs. Lakh	427.70	
			Moratorium Period	Years	0	
			Repayment Period (including Moratorium)	Years	15	
		Equity Component	Interest Rate	%	9.67%	
			Equity Amount	Rs. Lakh	183.30	
			Return on Equity for First 20 years	% p.a	16.96%	
			Return on Equity after 20 years	% p.a	21.52%	
		Tax Rate	Discount Rate	%	8.61%	
			Corporate Tax Rate	%	34.94%	
Depreciation	MAT Rate	%	17.47%			
	Depreciation Rate for 1st 15 years	%	4.67%			
4	O&M Expenses		Depreciation Rate 16th years onwards	%	2.00%	
			Normative O&M expense	Rs. Lakh/MW	46.42	
			O&M expenses p.a	Rs. Lakh	46.42	
5	Working Capital		Escalation factor	%	3.84%	
			O&M expenses p.a	Month	1	
			Maintenance Spares	% of O&M exepenses	%	15.00%
			Receivables	Days	1.5	
6	Fuel Related Assumptions	Biomass	Interest on Working Capital	% per annum	11.17%	
			Heat Rate	Kcal/kWh	4200.00	
			Fuel Price	Rs./T	3272.00	
			GCV Biomass	kcal/kg	3100.00	
7	Generation and Sale of Power	Number of Hours	Biomass price escalation factor	%	5.00%	
				Hours	8766.00	



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					Annexure 2.3G
Assumption for Biomass Based Rankine Cycle Project Parameters				State	Telangana
S. No.	Assumption Head	Sub-Head	Sub-Head (2)	Unit	Parameter
1	Power Generation	Capacity	Installed Power Generation Capacity	MW	1
			Aux Consumption	%	10.00%
			Plant Load Factor	%	80.00%
			Useful Life	Years	25
2	Project Cost	Capital Cost	Normative Capital Cost	Rs. Lakh/MW	611.00
			Capital Cost	Rs. Lakh	611.00
			Capital Subsidy	Rs. Lakh	0
			Net Capital Cost	Rs. Lakh	611.00
3	Financial Assumption	Debt Equity	Tariff Period	Years	25
			Debt	%	70%
			Equity	%	30%
		Debt Component	Total Debt Amount	Rs. Lakh	427.70
			Total Equity Amount	Rs. Lakh	183.30
			Loan Amount	Rs. Lakh	427.70
			Moratorium Period	Years	0
			Repayment Period (including Moratorium)	Years	15
		Equity Component	Interest Rate	%	9.67%
			Equity Amount	Rs. Lakh	183.30
			Return on Equity for First 20 years	% p.a	16.96%
			Return on Equity after 20 years	% p.a	21.52%
		Tax Rate	Discount Rate	%	8.61%
			Corporate Tax Rate	%	34.94%
Depreciation	MAT Rate	%	17.47%		
	Depreciation Rate for 1st 15 years	%	4.67%		
	Depreciation Rate 16th years onwards	%	2.00%		
	4	O&M Expenses	Normative O&M expense	Rs. Lakh/MW	46.42
O&M expenses p.a			Rs. Lakh	46.42	
Escalation factor			%	3.84%	
5	Working Capital	O&M expenses p.a	Month	1	
		Maintenance Spares	% of O&M exepenses	%	15.00%
		Receivables	Days	1.5	
		Interest on Working Capital	% per annum	11.17%	
6	Fuel Related Assumptions	Biomass	Heat Rate	Kcal/kWh	4200.00
			Fuel Price	Rs./T	3326.00
			GCV Biomass	kcal/kg	3100.00
			Biomass price escalation factor	%	5.00%
7	Generation and Sale of Power	Number of Hours		Hours	8766.00



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Assumption for Biomass Based Rankine Cycle Project Parameters					Annexure 2.3H	
				State	Uttar Pradesh	
S. No.	Assumption Head	Sub-Head	Sub-Head (2)	Unit	Parameter	
1	Power Generation	Capacity	Installed Power Generation Capacity	MW	1	
			Aux Consumption	%	10.00%	
			Plant Load Factor	%	80.00%	
			Useful Life	Years	25	
2	Project Cost	Capital Cost	Normative Capital Cost	Rs. Lakh/MW	611.00	
			Capital Cost	Rs. Lakh	611.00	
			Capital Subsidy	Rs. Lakh	0	
			Net Capital Cost	Rs. Lakh	611.00	
3	Financial Assumption	Debt Equity	Tariff Period	Years	25	
			Debt	%	70%	
			Equity	%	30%	
		Debt Component	Total Debt Amount	Rs. Lakh	427.70	
			Total Equity Amount	Rs. Lakh	183.30	
			Loan Amount	Rs. Lakh	427.70	
			Moratorium Period	Years	0	
			Repayment Period (including Moratorium)	Years	15	
		Equity Component	Interest Rate	%	9.67%	
			Equity Amount	Rs. Lakh	183.30	
			Return on Equity for First 20 years	% p.a	16.96%	
			Return on Equity after 20 years	% p.a	21.52%	
		Tax Rate	Discount Rate	%	8.61%	
			Corporate Tax Rate	%	34.94%	
Depreciation	MAT Rate	%	17.47%			
	Depreciation Rate for 1st 15 years	%	4.67%			
4	O&M Expenses		Depreciation Rate 16th years onwards	%	2.00%	
			Normative O&M expense	Rs. Lakh/MW	46.42	
			O&M expenses p.a	Rs. Lakh	46.42	
5	Working Capital		Escalation factor	%	3.84%	
			O&M expenses p.a	Month	1	
			Maintenance Spares	% of O&M exepenses	%	15.00%
			Receivables	Days	1.5	
6	Fuel Related Assumptions	Biomass	Interest on Working Capital	% per annum	11.17%	
			Heat Rate	Kcal/kWh	4200.00	
			Fuel Price	Rs./T	3384.00	
			GCV Biomass	kcal/kg	3100.00	
7	Generation and Sale of Power	Number of Hours	Biomass price escalation factor	%	5.00%	
				Hours	8766.00	



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Assumption for Biomass Based Rankine Cycle Project Parameters					Annexure 2.3I	
				State	Other States	
S. No.	Assumption Head	Sub-Head	Sub-Head (2)	Unit	Parameter	
1	Power Generation	Capacity	Installed Power Generation Capacity	MW	1	
			Aux Consumption	%	10.00%	
			Plant Load Factor	%	80.00%	
			Useful Life	Years	25	
2	Project Cost	Capital Cost	Normative Capital Cost	Rs. Lakh/MW	611.00	
			Capital Cost	Rs. Lakh	611.00	
			Capital Subsidy	Rs. Lakh	0	
			Net Capital Cost	Rs. Lakh	611.00	
3	Financial Assumption	Debt Equity	Tariff Period	Years	25	
			Debt	%	70%	
			Equity	%	30%	
		Debt Component	Total Debt Amount	Rs. Lakh	427.70	
			Total Equity Amount	Rs. Lakh	183.30	
			Loan Amount	Rs. Lakh	427.70	
			Moratorium Period	Years	0	
			Repayment Period (including Moratorium)	Years	15	
		Equity Component	Interest Rate	%	9.67%	
			Equity Amount	Rs. Lakh	183.30	
			Return on Equity for First 20 years	% p.a	16.96%	
			Return on Equity after 20 years	% p.a	21.52%	
		Tax Rate	Discount Rate	%	8.61%	
			Corporate Tax Rate	%	34.94%	
Depreciation	MAT Rate	%	17.47%			
	Depreciation Rate for 1st 15 years	%	4.67%			
4	O&M Expenses		Depreciation Rate 16th years onwards	%	2.00%	
			Normative O&M expense	Rs. Lakh/MW	46.42	
			O&M expenses p.a	Rs. Lakh	46.42	
5	Working Capital		Escalation factor	%	3.84%	
			O&M expenses p.a	Month	1	
			Maintenance Spares	% of O&M exepenses	%	15.00%
			Receivables	Days	1.5	
6	Fuel Related Assumptions	Biomass	Interest on Working Capital	% per annum	11.17%	
			Heat Rate	Kcal/kWh	4200.00	
			Fuel Price	Rs./T	3557.00	
			GCV Biomass	kcal/kg	3100.00	
7	Generation and Sale of Power	Number of Hours	Biomass price escalation factor	%	5.00%	
				Hours	8766.00	





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Assumption for Biomass Based Rankine Cycle Project Parameters					Annexure 2.4A	
				State	Andhra Pradesh	
S. No.	Assumption Head	Sub-Head	Sub-Head (2)	Unit	Parameter	
1	Power Generation	Capacity	Installed Power Generation Capacity	MW	1	
			Aux Consumption	%	12.00%	
			Plant Load Factor	%	80.00%	
			Useful Life	Years	25	
2	Project Cost	Capital Cost	Normative Capital Cost	Rs. Lakh/MW	652.00	
			Capital Cost	Rs. Lakh	652.00	
			Capital Subsidy	Rs. Lakh	0	
			Net Capital Cost	Rs. Lakh	652.00	
3	Financial Assumption	Debt Equity	Tariff Period	Years	25	
			Debt	%	70%	
			Equity	%	30%	
		Debt Component	Total Debt Amount	Rs. Lakh	456.40	
			Total Equity Amount	Rs. Lakh	195.60	
			Loan Amount	Rs. Lakh	456.40	
			Moratorium Period	Years	0	
			Repayment Period (including Moratorium)	Years	15	
		Equity Component	Interest Rate	%	9.67%	
			Equity Amount	Rs. Lakh	195.60	
			Return on Equity for First 20 years	% p.a	16.96%	
			Return on Equity after 20 years	% p.a	21.52%	
		Tax Rate	Discount Rate	%	8.61%	
			Corporate Tax Rate	%	34.94%	
Depreciation	MAT Rate	%	17.47%			
	Depreciation Rate for 1st 15 years	%	4.67%			
4	O&M Expenses		Depreciation Rate 16th years onwards	%	2.00%	
			Normative O&M expense	Rs. Lakh/MW	46.42	
			O&M expenses p.a	Rs. Lakh	46.42	
5	Working Capital		Escalation factor	%	3.84%	
			O&M expenses p.a	Month	1	
			Maintenance Spares	% of O&M exepenses	%	15.00%
			Receivables	Days	1.5	
6	Fuel Related Assumptions	Biomass	Interest on Working Capital	% per annum	11.17%	
			Heat Rate	Kcal/kWh	4200.00	
			Fuel Price	Rs./T	3326.00	
			GCV Biomass	kcal/kg	3100.00	
7	Generation and Sale of Power	Number of Hours	Biomass price escalation factor	%	5.00%	
				Hours	8766.00	

