

Biomass Power Projects [other than Rice Straw and Juliflora (plantation) based project] with Water Cooled Condenser and using Travelling Grate- Haryana					Annexure-2.1B
S. No.	Assumption Head	Sub-Head	Sub-Head (2)	Unit	Parameters
01	Power Generation	Capacity	Installed Power Generation Capacity	MW	1
			Auxiliary Consumption during stabilization	%	10.00%
			Auxiliary Consumption after stabilization	%	10.00%
			PLF(Stabilization for 6 months)	%	80.00%
			PLF(during first year after Stabilization)	%	80.00%
			PLF(second year onwards)	%	80.00%
			Useful Life	Years	25
02	Sources of Fund	Capital Cost/MW	Power Plant Cost	Rs Lakh/MW	559.00
		Debt: Equity	Debt	%	70%
			Equity	%	30%
			Total Debt Amount	Rs Lakh	391.30
			Total Equity Amount	Rs Lakh	167.70
		Debt Component	Loan Amount	Rs Lakh	391.30
			Moratorium Period	years	0
			Repayment Period(incld Moratorium)	years	15
			Interest Rate	%	9.00%
		Equity Component	Equity amount	Rs Lakh	167.70
			Return on Equity (upto 20 years)	% p.a	16.96%
			Return on Equity (After 20 years)		21.52%
			Discount Rate (equiv. to WACC)	%	8.30%
03	Financial Assumptions	Fiscal Assumptions	Income Tax	%	34.94%
			MAT Rate	%	17.47%
		Depreciation	Depreciation Rate(Power Plant)	%	4.67%
			Depreciation Rate 16th year onwards	%	2.00%
		For Fixed Charges	O&M Charges	Months	1
			Maintenance Spare		15.00%
		For Variable Charges	Receivables for Debtors	Months	1.5
			Biomass Stock	Months	4
04	Fuel Related Assumptions	Heat Rate	After stabilization period	Kcal/kWh	4200.00
			During stabilization period	Kcal/kWh	4200.00
		Biomass	Base Price	Rs/T	3975.30
			GCV-Biomass	Kcal/kg	3100.00
			Biomass Price Escalation Factor	%	5.00%
05	Operation & Maintenance		O&M Expenses	Rs Lakh	48.20
			O & M Expenses Escalation	%	3.84%
06	Generation & Sale of Energy		Total No .Of Hours	Hrs	8766.00

Biomass Power Projects [other than Rice Straw and Juliflora (plantation) based project] with Water Cooled Condenser and using Travelling Grate- Maharashtra					Annexure-2.1C
S. No.	Assumption Head	Sub-Head	Sub-Head (2)	Unit	Parameters
01	Power Generation	Capacity	Installed Power Generation Capacity	MW	1
			Auxiliary Consumption during stabilization	%	10.00%
			Auxiliary Consumption after stabilization	%	10.00%
			PLF(Stabilization for 6 months)	%	80.00%
			PLF(during first year after Stabilization)	%	80.00%
			PLF(second year onwards)	%	80.00%
			Useful Life	Years	25
02	Sources of Fund	Capital Cost/MW	Power Plant Cost	Rs Lakh/MW	559.00
		Debt: Equity	Debt	%	70%
			Equity	%	30%
			Total Debt Amount	Rs Lakh	391.30
			Total Equity Amount	Rs Lakh	167.70
		Debt Component	Loan Amount	Rs Lakh	391.30
			Moratorium Period	years	0
			Repayment Period(incld Moratorium)	years	15
			Interest Rate	%	9.00%
		Equity Component	Equity amount	Rs Lakh	167.70
			Return on Equity (upto 20 years)	% p.a	16.96%
			Return on Equity (After 20 years)		21.52%
			Discount Rate (equiv. to WACC)	%	8.30%
03	Financial Assumptions		Fiscal Assumptions	Income Tax	%
		MAT Rate		%	17.47%
		Depreciation	Depreciation Rate(Power Plant)	%	4.67%
			Depreciation Rate 16th year onwards	%	2.00%
		For Fixed Charges	O&M Charges	Months	1
			Maintenance Spare		15.00%
			Receivables for Debtors	Months	1.5
		For Variable Charges	Biomass Stock	Months	4
Interest On Working Capital	%		10.50%		
04	Fuel Related Assumptions	Heat Rate	After stabilization period	Kcal/kWh	4200.00
			During stabilization period	Kcal/kWh	4200.00
		Biomass	Base Price	Rs/T	4065.60
			GCV-Biomass	Kcal/kg	3100.00
			Biomass Price Escalation Factor	%	5.00%
05	Operation & Maintenance		O&M Expenses	Rs Lakh	48.20
			O & M Expenses Escalation	%	3.84%
06	Generation & Sale of Energy		Total No .Of Hours	Hrs	8766.00

Biomass Power Projects [other than Rice Straw and Juliflora (plantation) based project] with Water Cooled Condenser and using Travelling Grate- Punjab					Annexure-2.1D
S. No.	Assumption Head	Sub-Head	Sub-Head (2)	Unit	Parameters
01	Power Generation	Capacity	Installed Power Generation Capacity	MW	1
			Auxiliary Consumption during stabilization	%	10.00%
			Auxiliary Consumption after stabilization	%	10.00%
			PLF(Stabilization for 6 months)	%	80.00%
			PLF(during first year after Stabilization)	%	80.00%
			PLF(second year onwards)	%	80.00%
			Useful Life	Years	25
02	Sources of Fund	Capital Cost/MW	Power Plant Cost	Rs Lakh/MW	559.00
		Debt: Equity	Debt	%	70%
			Equity	%	30%
			Total Debt Amount	Rs Lakh	391.30
			Total Equity Amount	Rs Lakh	167.70
		Debt Component	Loan Amount	Rs Lakh	391.30
			Moratorium Period	years	0
			Repayment Period(incld Moratorium)	years	15
			Interest Rate	%	9.00%
		Equity Component	Equity amount	Rs Lakh	167.70
			Return on Equity (upto 20 years)	% p.a	16.96%
			Return on Equity (After 20 years)		21.52%
			Discount Rate (equiv. to WACC)	%	8.30%
03	Financial Assumptions	Fiscal Assumptions	Income Tax	%	34.94%
			MAT Rate	%	17.47%
		Depreciation	Depreciation Rate(Power Plant)	%	4.67%
			Depreciation Rate 16th year onwards	%	2.00%
		For Fixed Charges	O&M Charges	Months	1
			Maintenance Spare		15.00%
		For Variable Charges	Receivables for Debtors	Months	1.5
			Biomass Stock	Months	4
04	Fuel Related Assumptions	Heat Rate	After stabilization period	Kcal/kWh	4200.00
			During stabilization period	Kcal/kWh	4200.00
		Biomass	Base Price	Rs/T	4158
			GCV-Biomass	Kcal/kg	3100.00
			Biomass Price Escalation Factor	%	5.00%
05	Operation & Maintenance		O&M Expenses	Rs Lakh	48.20
			O & M Expenses Escalation	%	3.84%
06	Generation & Sale of Energy		Total No .Of Hours	Hrs	8766.00

Biomass Power Projects [other than Rice Straw and Juliflora (plantation) based project] with Water Cooled Condenser and using Travelling Grate-Rajasthan					Annexure-2.1E
S. No.	Assumption Head	Sub-Head	Sub-Head (2)	Unit	Parameters
01	Power Generation	Capacity	Installed Power Generation Capacity	MW	1
			Auxiliary Consumption during stabilization	%	10.00%
			Auxiliary Consumption after stabilization	%	10.00%
			PLF(Stabilization for 6 months)	%	80.00%
			PLF(during first year after Stabilization)	%	80.00%
			PLF(second year onwards)	%	80.00%
			Useful Life	Years	25
02	Sources of Fund	Capital Cost/MW	Power Plant Cost	Rs Lakh/MW	559.00
		Debt: Equity	Debt	%	70%
			Equity	%	30%
			Total Debt Amount	Rs Lakh	391.30
			Total Equity Amount	Rs Lakh	167.70
		Debt Component	Loan Amount	Rs Lakh	391.30
			Moratorium Period	years	0
			Repayment Period(incld Moratorium)	years	15
			Interest Rate	%	9.00%
		Equity Component	Equity amount	Rs Lakh	167.70
			Return on Equity (upto 20 years)	% p.a	16.96%
			Return on Equity (After 20 years)		21.52%
			Discount Rate (equiv. to WACC)	%	8.30%
03	Financial Assumptions	Fiscal Assumptions	Income Tax	%	34.94%
			MAT Rate	%	17.47%
		Depreciation	Depreciation Rate(Power Plant)	%	4.67%
			Depreciation Rate 16th year onwards	%	2.00%
		For Fixed Charges	O&M Charges	Months	1
			Maintenance Spare		15.00%
		For Variable Charges	Receivables for Debtors	Months	1.5
			Biomass Stock	Months	4
04	Fuel Related Assumptions	Heat Rate	After stabilization period	Kcal/kWh	4200.00
			During stabilization period	Kcal/kWh	4200.00
		Biomass	Base Price	Rs/T	3470.25
			GCV-Biomass	Kcal/kg	3100.00
			Biomass Price Escalation Factor	%	5.00%
05	Operation & Maintenance		O&M Expenses	Rs Lakh	48.20
			O & M Expenses Escalation	%	3.84%
06	Generation & Sale of Energy		Total No .Of Hours	Hrs	8766.00

Biomass Power Projects [other than Rice Straw and Juliflora (plantation) based project] with Water Cooled Condenser and using Travelling Grate- Tamil Nadu					Annexure-2.1F
S. No.	Assumption Head	Sub-Head	Sub-Head (2)	Unit	Parameters
01	Power Generation	Capacity	Installed Power Generation Capacity	MW	1
			Auxiliary Consumption during stabilization	%	10.00%
			Auxiliary Consumption after stabilization	%	10.00%
			PLF(Stabilization for 6 months)	%	80.00%
			PLF(during first year after Stabilization)	%	80.00%
			PLF(second year onwards)	%	80.00%
			Useful Life	Years	25
02	Sources of Fund	Capital Cost/MW	Power Plant Cost	Rs Lakh/MW	559.00
		Debt: Equity	Debt	%	70%
			Equity	%	30%
			Total Debt Amount	Rs Lakh	391.30
			Total Equity Amount	Rs Lakh	167.70
		Debt Component	Loan Amount	Rs Lakh	391.30
			Moratorium Period	years	0
			Repayment Period(incld Moratorium)	years	15
			Interest Rate	%	9.00%
		Equity Component	Equity amount	Rs Lakh	167.70
			Return on Equity (upto 20 years)	% p.a	16.96%
			Return on Equity (After 20 years)		21.52%
			Discount Rate (equiv. to WACC)		8.30%
03	Financial Assumptions		Fiscal Assumptions	Income Tax	%
		MAT Rate		%	17.47%
		Depreciation	Depreciation Rate(Power Plant)	%	4.67%
			Depreciation Rate 16th year onwards	%	2.00%
		For Fixed Charges	O&M Charges	Months	1
			Maintenance Spare		15.00%
			Receivables for Debtors	Months	1.5
		For Variable Charges	Biomass Stock	Months	4
Interest On Working Capital	%		10.50%		
04	Fuel Related Assumptions	Heat Rate	After stabilization period	Kcal/kWh	4200.00
			During stabilization period	Kcal/kWh	4200.00
		Biomass	Base Price	Rs/T	3435.60
			GCV-Biomass	Kcal/kg	3100.00
			Biomass Price Escalation Factor	%	5.00%
05	Operation & Maintenance		O&M Expenses	Rs Lakh	48.20
			O & M Expenses Escalation	%	3.84%
06	Generation & Sale of Energy		Total No .Of Hours	Hrs	8766.00

Biomass Power Projects [other than Rice Straw and Juliflora (plantation) based project] with Water Cooled Condenser and using Travelling Grate- Telangana					Annexure-2.1G
S. No.	Assumption Head	Sub-Head	Sub-Head (2)	Unit	Parameters
01	Power Generation	Capacity	Installed Power Generation Capacity	MW	1
			Auxiliary Consumption during stabilization	%	10.00%
			Auxiliary Consumption after stabilization	%	10.00%
			PLF(Stabilization for 6 months)	%	80.00%
			PLF(during first year after Stabilization)	%	80.00%
			PLF(second year onwards)	%	80.00%
			Useful Life	Years	25
02	Sources of Fund	Capital Cost/MW	Power Plant Cost	Rs Lakh/MW	559.00
		Debt: Equity	Debt	%	70%
			Equity	%	30%
			Total Debt Amount	Rs Lakh	391.30
			Total Equity Amount	Rs Lakh	167.70
		Debt Component	Loan Amount	Rs Lakh	391.30
			Moratorium Period	years	0
			Repayment Period(incld Moratorium)	years	15
			Interest Rate	%	9.00%
		Equity Component	Equity amount	Rs Lakh	167.70
			Return on Equity (upto 20 years)	% p.a	16.96%
			Return on Equity (After 20 years)		21.52%
			Discount Rate (equiv. to WACC)		%
03	Financial Assumptions	Fiscal Assumptions	Income Tax	%	34.94%
			MAT Rate	%	17.47%
		Depreciation	Depreciation Rate(Power Plant)	%	4.67%
			Depreciation Rate 16th year onwards	%	2.00%
		For Fixed Charges	O&M Charges	Months	1
			Maintenance Spare		15.00%
		For Variable Charges	Receivables for Debtors	Months	1.5
			Biomass Stock	Months	4
04	Fuel Related Assumptions	Heat Rate	Interest On Working Capital	%	10.50%
		Biomass	After stabilization period	Kcal/kWh	4200.00
			During stabilization period	Kcal/kWh	4200.00
			Base Price	Rs/T	3492.30
05	Operation & Maintenance		GCV-Biomass	Kcal/kg	3100.00
			Biomass Price Escalation Factor	%	5.00%
05	Operation & Maintenance		O&M Expenses	Rs Lakh	48.20
			O & M Expenses Escalation	%	3.84%
06	Generation & Sale of Energy		Total No .Of Hours	Hrs	8766.00

Biomass Power Projects [other than Rice Straw and Juliflora (plantation) based project] with Water Cooled Condenser and using Travelling Grate- Uttar Pradesh					Annexure-2.1H
S. No.	Assumption Head	Sub-Head	Sub-Head (2)	Unit	Parameters
01	Power Generation	Capacity	Installed Power Generation Capacity	MW	1
			Auxiliary Consumption during stabilization	%	10.00%
			Auxiliary Consumption after stabilization	%	10.00%
			PLF(Stabilization for 6 months)	%	80.00%
			PLF(during first year after Stabilization)	%	80.00%
			PLF(second year onwards)	%	80.00%
			Useful Life	Years	25
02	Sources of Fund	Capital Cost/MW	Power Plant Cost	Rs Lakh/MW	559.00
		Debt: Equity	Debt	%	70%
			Equity	%	30%
			Total Debt Amount	Rs Lakh	391.30
			Total Equity Amount	Rs Lakh	167.70
		Debt Component	Loan Amount	Rs Lakh	391.30
			Moratorium Period	years	0
			Repayment Period(incld Moratorium)	years	15
			Interest Rate	%	9.00%
		Equity Component	Equity amount	Rs Lakh	167.70
			Return on Equity (upto 20 years)	% p.a	16.96%
			Return on Equity (After 20 years)		21.52%
			Discount Rate (equiv. to WACC)	%	8.30%
03	Financial Assumptions	Fiscal Assumptions	Income Tax	%	34.94%
			MAT Rate	%	17.47%
		Depreciation	Depreciation Rate(Power Plant)	%	4.67%
			Depreciation Rate 16th year onwards	%	2.00%
		For Fixed Charges	O&M Charges	Months	1
			Maintenance Spare		15.00%
		For Variable Charges	Receivables for Debtors	Months	1.5
			Biomass Stock	Months	4
04	Fuel Related Assumptions	Heat Rate	After stabilization period	Kcal/kWh	4200.00
			During stabilization period	Kcal/kWh	4200.00
		Biomass	Base Price	Rs/T	3553.2
			GCV-Biomass	Kcal/kg	3100.00
			Biomass Price Escalation Factor	%	5.00%
05	Operation & Maintenance		O&M Expenses	Rs Lakh	48.20
			O & M Expenses Escalation	%	3.84%
06	Generation & Sale of Energy		Total No .Of Hours	Hrs	8766.00

Biomass Power Projects [other than Rice Straw and Juliflora (plantation) based project] with Water Cooled Condenser and using Travelling Grate- Other States					Annexure-2.11
S. No.	Assumption Head	Sub-Head	Sub-Head (2)	Unit	Parameters
01	Power Generation	Capacity	Installed Power Generation Capacity	MW	1
			Auxiliary Consumption during stabilization	%	10.00%
			Auxiliary Consumption after stabilization	%	10.00%
			PLF(Stabilization for 6 months)	%	80.00%
			PLF(during first year after Stabilization)	%	80.00%
			PLF(second year onwards)	%	80.00%
			Useful Life	Years	25
02	Sources of Fund	Capital Cost/MW	Power Plant Cost	Rs Lakh/MW	559.00
		Debt: Equity	Debt	%	70%
			Equity	%	30%
			Total Debt Amount	Rs Lakh	391.30
			Total Equity Amount	Rs Lakh	167.70
		Debt Component	Loan Amount	Rs Lakh	391.30
			Moratorium Period	years	0
			Repayment Period(incld Moratorium)	years	15
			Interest Rate	%	9.00%
		Equity Component	Equity amount	Rs Lakh	167.70
			Return on Equity (upto 20 years)	% p.a	16.96%
			Return on Equity (After 20 years)		21.52%
			Discount Rate (equiv. to WACC)	%	8.30%
03	Financial Assumptions	Fiscal Assumptions	Income Tax	%	34.94%
			MAT Rate	%	17.47%
		Depreciation	Depreciation Rate(Power Plant)	%	4.67%
			Depreciation Rate 16th year onwards	%	2.00%
		For Fixed Charges	O&M Charges	Months	1
			Maintenance Spare		15.00%
		For Variable Charges	Receivables for Debtors	Months	1.5
			Biomass Stock	Months	4
04	Fuel Related Assumptions	Heat Rate	After stabilization period	Kcal/kWh	4200.00
			During stabilization period	Kcal/kWh	4200.00
		Biomass	Base Price	Rs/T	3734.85
			GCV-Biomass	Kcal/kg	3100.00
			Biomass Price Escalation Factor	%	5.00%
05	Operation & Maintenance		O&M Expenses	Rs Lakh	48.20
			O & M Expenses Escalation	%	3.84%
06	Generation & Sale of Energy		Total No .Of Hours	Hrs	8766.00

Biomass Power Projects [other than Rice Straw and Juliflora (plantation) based project] with Air Cooled Condenser and using Travelling Grate- Andhra Pradesh					Annexure-2.2A
S. No.	Assumption Head	Sub-Head	Sub-Head (2)	Unit	Parameters
01	Power Generation	Capacity	Installed Power Generation Capacity	MW	1
			Auxiliary Consumption during stabilization	%	12.00%
			Auxiliary Consumption after stabilization	%	12.00%
			PLF(Stabilization for 6 months)	%	80.00%
			PLF(during first year after Stabilization)	%	80.00%
			PLF(second year onwards)	%	80.00%
			Useful Life	Years	25
02	Sources of Fund	Capital Cost/MW	Power Plant Cost	Rs Lakh/MW	600.00
		Debt: Equity	Debt	%	70%
			Equity	%	30%
			Total Debt Amount	Rs Lakh	420.00
			Total Equity Amount	Rs Lakh	180.00
		Debt Component	Loan Amount	Rs Lakh	420.00
			Moratorium Period	years	0
			Repayment Period(incld Moratorium)	years	15
			Interest Rate	%	9.00%
		Equity Component	Equity amount	Rs Lakh	180.00
			Return on Equity (upto 20 years)	% p.a	16.96%
			Return on Equity (After 20 years)		21.52%
			Discount Rate (equiv. to WACC)		8.30%
03	Financial Assumptions		Fiscal Assumptions	Income Tax	%
		MAT Rate		%	17.47%
		Depreciation	Depreciation Rate(Power Plant)	%	4.67%
			Depreciation Rate 16th year onwards	%	2.00%
		For Fixed Charges	O&M Charges	Months	1
			Maintenance Spare		15.00%
			Receivables for Debtors	Months	1.5
		For Variable Charges	Biomass Stock	Months	4
Interest On Working Capital	%		10.50%		
04	Fuel Related Assumptions	Heat Rate	After stabilization period	Kcal/kWh	4200.00
			During stabilization period	Kcal/kWh	4200.00
		Biomass	Base Price	Rs/T	3492.30
			GCV-Biomass	Kcal/kg	3100.00
			Biomass Price Escalation Factor	%	5.00%
05	Operation & Maintenance		O&M Expenses	Rs Lakh	48.20
			O & M Expenses Escalation	%	3.84%
06	Generation & Sale of Energy		Total No .Of Hours	Hrs	8766.00

Biomass Power Projects [other than Rice Straw and Juliflora (plantation) based project] with Air Cooled Condenser and using Travelling Grate- Haryana					Annexure-2.2B
S. No.	Assumption Head	Sub-Head	Sub-Head (2)	Unit	Parameters
01	Power Generation	Capacity	Installed Power Generation Capacity	MW	1
			Auxiliary Consumption during stabilization	%	12.00%
			Auxiliary Consumption after stabilization	%	12.00%
			PLF(Stabilization for 6 months)	%	80.00%
			PLF(during first year after Stabilization)	%	80.00%
			PLF(second year onwards)	%	80.00%
			Useful Life	Years	25
02	Sources of Fund	Capital Cost/MW	Power Plant Cost	Rs Lakh/MW	600.00
		Debt: Equity	Debt	%	70%
			Equity	%	30%
			Total Debt Amount	Rs Lakh	420.00
			Total Equity Amount	Rs Lakh	180.00
		Debt Component	Loan Amount	Rs Lakh	420.00
			Moratorium Period	years	0
			Repayment Period(incld Moratorium)	years	15
			Interest Rate	%	9.00%
		Equity Component	Equity amount	Rs Lakh	180.00
			Return on Equity (upto 20 years)	% p.a	16.96%
			Return on Equity (After 20 years)		21.52%
			Discount Rate (equiv. to WACC)	%	8.30%
03	Financial Assumptions	Fiscal Assumptions	Income Tax	%	34.94%
			MAT Rate	%	17.47%
		Depreciation	Depreciation Rate(Power Plant)	%	4.67%
			Depreciation Rate 16th year onwards	%	2.00%
		For Fixed Charges	O&M Charges	Months	1
			Maintenance Spare		15.00%
		For Variable Charges	Receivables for Debtors	Months	1.5
			Biomass Stock	Months	4
04	Fuel Related Assumptions	Heat Rate	After stabilization period	Kcal/kWh	4200.00
			During stabilization period	Kcal/kWh	4200.00
		Biomass	Base Price	Rs/T	3975.3
			GCV-Biomass	Kcal/kg	3100.00
			Biomass Price Escalation Factor	%	5.00%
05	Operation & Maintenance		O&M Expenses	Rs Lakh	48.20
			O & M Expenses Escalation	%	3.84%
06	Generation & Sale of Energy		Total No .Of Hours	Hrs	8766.00

