

COMBINED SUMMARY OF CERC & SERCs REGULATIONS/TARIFF ORDERS

Biomass/Biogas/Co-Generation Power Projects

Sl. No.	Description	CERC		ARUNACHAL PRADESH	
		Biomass (C)/ Biogas (G)	Co-Generation/Biogas	Biomass	Biomass Gasifier
1.	Order Dated	Tariff Determination Regulations 2012 dated 6 th Feb. 2012 with Amendments	Tariff Determination Regulations 2012 dated 6 th Feb. 2012 with Amendments	Terms and conditions for Tariff Determination from RE Sources Regulation 2012 dated 9 th April 2012	
2.	Tariff Period	20 Years from COD	20 Years from COD	13 Years	20 Years
3.	Control Period	5 years from FY 2012-13	5 years from FY 2012-13	5 Years Commencing 2012-13	
4.	Financial Parameters				
a.	(i) Capital Cost (Rs. Cr./MW)	Biomass with PP Rs. 5.40 – 5.90 Cr./MW for different plantations water cooled condenser, Rs. 5.80 Cr./MW – Rs. 6.30 Cr./MW with air cooled condenser; Biomass (Gasifier) Rs. 5.50 Cr./MW; After subsidy – Rs. 4.00 Cr./MW (During 1 st year FY 2012-13 Linked to Indexation)	Co-generation – Rs. 4.20 Cr./MW during first year FY 2012-13 with indexation Biogas Rs. 10.00 Cr./MW After subsidy – Rs. 7.00 Cr./MW	Rs.4.45 Cr./MW in 2012-13 Linked to Indexation	Rs.5.50 Cr./MW for 2012-13 After accounting fuel subsidy Rs.4.00 Cr./MW
b.	(ii) Debt Equity Ratio	70:30	70:30	70:30	70:30
c.	(iii) Loan Tenure	12 Years	12 Years	12 Years	12 Years
d.	(iv) Interest on Loan (%) p.a.	SBI LTPLR +300 basis points	SBI LTPLR +300 basis points	SBI LTPLR +300 basis points	SBI LTPLR +300 basis points
e.	(v) Depreciation	5.83% First 12-Yrs balance spread over useful life	5.83% First 12-Yrs balance spread over useful life	5.83% - First 12 Years; From 13 th Year Onwards, Spread of Balance Depreciation Over remaining Useful Life	
f.	(vi) Return on Equity	20% (Pre-Tax) for 1 st 10 Yrs; 24% (Pre-Tax) for 11 th Yr Onwards	20% (Pre-Tax) for 1 st 10 Yrs; 24% (Pre-Tax) for 11 th Yr Onwards		
g.	(vii) O&M Expenses	40 lakh/MW for second year FY 2013-14 Biomass Gasifier – 35 lakh/MW during first year FY 2012-13	Cogeneration -16 lakh/MW 35 lakh/MW for first year FY 2012-13	Rs.24 lakh p.a. in 2012-13	Rs.35 lakh/MW for 2012-13
	Escalation (%) p.a.	5.72%	5.72%	5.72%	5.72%
h.	(viii) Interest on Working Capital (%)	SBI LTPLR +350 basis points	SBI LTPLR +350 basis points	SBI LT PLR +350 basis points	SBI LT PLR +350 basis points
5.	Normative Parameters				
	(i) PLF/Capacity Utilization Factor	60% during stabilization; 70% remaining period of 1 st Year; 80% from 2 nd Year Onwards; Biomass (gasifier) - 80%	Co-generation – Different for different states Biogas – 90%	During Stabilisation – 60%; Remaining Period of 1 st Yr. after stabilization – 70%; 2 nd Yr Onwards – 80% Stabilization period not more than 6-months	80%

	(ii) Auxiliary Consumption	11% - first year of operation 10% - second year onwards using water cooled condenser 13% - first year of operation 12% - second year onwards using air cooled condenser Biomass (Gasifier) - - 10%	Co-generation – 8.5% Biogas – 12%	10%	10%
	(iii) Useful life (Yrs)	20 years for both	20 years		20 years
6.	(i) Rebate	2% Through LC; 1% Payment Within 01 Month Other than LC	2% Through LC; 1% Payment Within 01 Month Other than LC	2% Through LC; 1% Other than LC in 1 Month	2% Through LC; 1% Other than LC in 1 Month
	(ii) Late Payment Surcharge	1.25% p.m. beyond 60-days	1.25% p.m. beyond 60-days	1.25% p.m. beyond 60-days	1.25% p.m. beyond 60-days
7.	Sharing of CDM Benefits	100% to developer in 1 st Year after COD; 10% to Beneficiary in 2 nd Year; 10% Increase Progressively upto 50% then equal sharing	100% to developer in 1 st Year after COD; 10% to Beneficiary in 2 nd Year; 10% Increase Progressively upto 50% then equal sharing	100% to developer in 1 st yr; after COD, 10% to beneficiary in 2 nd yr; 10% progressive increase each yr till 50%, then 50:50 sharing	
8	Subsidy/Incentive by State/ Central Govt. including AD benefit	To be Considered for Tariff Determination	To be Considered for Tariff Determination	To be Considered for Determination of Tariff	
9	Taxes & Duties	Tariff exclusive of taxes and duties but allowed as pass through	Tariff exclusive of taxes and duties but allowed as pass through	Tariff Exclusive of Taxes and Duties same are allowed Pass Through	Tariff Exclusive of Taxes and Duties same are allowed Pass Through
10.	Dispatch Principles			Above 10 MW Scheduling	
11.	Banking				
12.	(i) Date of order (ii) RPO			Renewable Power Purchase Obligations 2012 Dated 11.4.2012 4.2% including 4.1% of Non solar and 0.1% of Solar for the year 2012-13 to 7% including 6.8% for Non-Solar and 0.2% for Solar for the year 2014-15	Renewable Power Purchase Obligations 2012 Dated 11.4.2012 4.2% including 4.1% of Non solar and 0.1% of Solar for the year 2012-13 to 7% including 6.8% for Non-Solar and 0.2% for Solar for the year 2014-15
13.	Fuel				
	(i) Station Heat Rate kCal/ kWh	4200 using travelling gate boilers 4125 for AFBC boilers	Co-generation – 3600	4000 Kcal / kWh	
	(ii) Calorific value of Fuel kCal/kg	3100 Specific Fuel Consumption of biomass (gasifier) – 1.1 kG/ kWh	Bagasse - 2250 Specific Fuel Consumption of Biogas – 3 kG of substrate mix/ kWh	3300 Kcal / kg	
	(iii) Fossil Fuel Limit	15%		15%	
	(iv) Fuel Cost	Different for different states linked to indexation or 5% escalation p.a.	Co-generation - Different for different states Biogas – Rs. 990/MT		

COMBINED SUMMARY OF CERC & SERCs REGULATIONS/TARIFF ORDERS

Biomass/Biogas/Co-Generation Power Projects

Sl. No.	Description	ANDHRA PRADESH	ASSAM		
		Biomass (Incl. Indust. Waste Bagasse based Co-generation)	BIOMASS	COGENERATION	Biomass Gasifier / Biogas
1.	Order Dated	Tariff for Biomass, Bagasse, Co-generation, Mini Hydel Plants Order dated 22 June 2013	10 September 2012 for Tariff Determination from RE Sources & Regulations 2014 dated 31 July 2014 RPO & Compliance Regulation 2010 dated 02 November 2010		
2.	Tariff Period		13 Years from COD	13 Years from COD	20 Years from COD
3.	Control Period		5 Years Upto 31 March 2013		20 Years Upto 31 March 2013
4.	Tariff	Biomass - Varies from Rs. 1.77/Unit to Rs.1.23/Unit from year of operation to the 10 th year Bagasse- Varies from Rs. 1.92/Unit to Rs.1.16/Unit from year of operation to the 10 th year			
5.	Financial Parameters				
a.	(i) Capital Cost (Rs. Cr./MW)		Rs.4.45 Cr./MW for 2012-13 Linked to Indexation	Rs.4.20 Cr./MW for 2012-13 Linked to Indexation	Biomass Gasifier – Rs.5.50 Cr. per MW for 2012-13; After subsidy Rs.400 lakh/MW; Biogas – Rs.11.00 Cr./MW; After subsidy Rs.8.00 Cr./MW for 2012-13
b.	(ii) Debt Equity Ratio		70:30	70:30	70:30
c.	(iii) Loan Tenure		12 Years	12 Years	12 Years
d.	(iv) Interest on Loan (%) p.a.		SBI LTPLR +300 basis point	SBI LTPLR +300 basis point	SBI LTPLR +300 basis point
e.	(v) Depreciation		First 12-Yrs - 5.83% p.a.; From 13 th Yr. Onwards - spread over useful life	First 12-Yrs - 5.83% p.a.; From 13 th Yr. Onwards - balance spread over useful life	First 12-Yrs - 5.83% p.a.; From 13 th Yr. Onwards - balance spread over useful life
f.	(vi) Return on Equity	Incentive on Generation beyond by AP Discoms	20% (Pre-Tax) for 1 st 10 Yrs; 24% (Pre-Tax) for 11 th Yr Onwards	20% (Pre-Tax) for 1 st 10 Yrs; 24% (Pre-Tax) for 11 th Yr Onwards	20% (Pre-Tax) for 1 st 10 Yrs; 24% (Pre-Tax) for 11 th Yr Onwards
g.	(vii) O&M Expenses		Rs.24 lakh/MW for 2012-13	Rs.16 lakh/MW for 2012-13	Biomass Gasifier – Rs.40 lakh/MW; Biogas – Rs.40 lakh/MW for 2012-13
	Escalation (%) p.a.	6.69%	5.72%	5.72%	5.72%
h.	(viii) Interest on Working Capital (%)		SBI LT PLR +350 Basis Point	SBI LT PLR +350 Basis Point	SBI LT PLR +350 Basis Point
6.	Normative Parameters				
	(i) PLF/Capacity Utilization Factor		PLF – 60% during stabilization; 70% remaining period of 1 st Year; 80% from 2 nd Year Onwards; 6-Months Max. Stabilization period	CUF - 53%	PLF – Biomass Gasifier – 85% Biogas Power Project – 90%
	(ii) Auxiliary Consumption		10%	8.5%	Biomass Gasifier – 10% Biogas – 12%
	(iii) Useful life (Yrs)		20	20	Biomass Gasifier – 20 Yrs Biogas – 20 Yrs

7.	(i) Rebate		2% - Payment Through LC; 1% Payment Within 1 Month Other Than LC	2% - Payment Through LC; 1% Payment Within 1 Month Other Than LC	2% - Payment Through LC; 1% Payment Within 1 Month Other Than LC
	(ii) Late Payment Surcharge		1.25% pm beyond 60-days	1.25% pm beyond 60-days	1.25% pm beyond 60-days
8.	Sharing of CDM Benefits		100% to developer in 1 st Year after COD; 10% to Beneficiary in 2 nd Year; 10% Increase Progressively upto 50% then equal sharing	100% to developer in 1 st Year after COD; 10% to Beneficiary in 2 nd Year; 10% Increase Progressively upto 50% then equal sharing	100% to developer in 1 st Year after COD; 10% to Beneficiary in 2 nd Year; 10% Increase Progressively upto 50% then equal sharing
9	Subsidy/Incentive by State/ Central Govt. including AD benefit	Discoms to Pay Arrears and interest @ 12% compounded (quarterly basis) to the developers in 6-monthly installments commencing from July 2013 Incentive on Generation beyond PLF of 80% payable by A.P. Discoms @ 35 paise/kWh	To be Considered for Tariff Determination	To be Considered for Tariff Determination	To be Considered for Tariff Determination
10	Taxes & Duties	MAT/ Electricity duty – Pass through to be paid by Dist. Licensee to developer over and above tariff			
11.	Evacuation Facilities		Discom / Transco Upto 5 km; beyond 50:50 sharing	Discom / Transco Upto 5 km; beyond 50:50 sharing	Discom / Transco Upto 5 km; beyond 50:50 sharing
12.	Transmission and Wheeling charges		<ul style="list-style-type: none"> • Transmission charges @ 2/3rd of open access consumer • Wheeling charges 1/3rd under regulations or 7.5% of energy fed whichever is higher • No charges if power sold to state Discom / Transco 	<ul style="list-style-type: none"> • Transmission charges @ 2/3rd of open access consumer • Wheeling charges 1/3rd under regulations or 7.5% of energy fed whichever is higher • No charges if power sold to state Discom / Transco 	<ul style="list-style-type: none"> • Transmission charges @ 2/3rd of open access consumer • Wheeling charges 1/3rd under regulations or 7.5% of energy fed whichever is higher No charges if power sold to state Discom / Transco
13.	Dispatch Principles		Above 10 MW, Scheduling	Subject to Scheduling	Must Run
14.	Banking		100% banking during peak; Banking charges 10% of Energy banked	100% banking during peak; Banking charges 10% of Energy banked	100% banking during peak; Banking charges 10% of Energy banked
15.	(i) Date of order (ii) RPO		RPO and its compliance Regulations 2010 Dated 2.11.2010 RPO, varies for year 2010-11 to 2014-15 from 1.4% to 7.0%; 0.05% in 2010-11 to be procured from Solar Source & escalated @ 0.05% every year thereafter		
16.	Fuel				
	(i) Station Heat Rate kCal/kg		4000 Kcal / kWh	3600 Kcal/kWh	Biomass gasifier fuel consumption 1.25 kg per kWh; Biogas fuel consumption 3 kg of subs rate mix per kWh
	(ii) Calorific value of Fuel kCal/kg		3300 Kcal / kg	2250 Kcal/kg	
	(iii) Fossil Fuel Limit		15%		
	(iv) Fuel Cost		Rs.2476 lakh/MT in 2012-13 Linked to Indexation;	Rs.1583 / MT in 2012-13 Linked to Indexation	Biomass Gas and Biogas full cost same as for Biomass power Project
	(vi) Escalation on fuel		or 5%	or 5%	

COMBINED SUMMARY OF CERC & SERCS REGULATIONS/TARIFF ORDERS

Biomass/Biogas/Co-Generation Power Projects

Sl. No.	Description	CHATTISGARH		GUJARAT	
		Biomass	Non-Fossil Fuel based Co-generation	Biomass	Bagasse based Co-Gen.
1.	Order Dated	Terms & Conditions for determination of tariff RE sources Regulations dated 27 July 2012 Amendment dated 14 March 2013	Terms & Conditions for determination of tariff RE sources Regulations dated 27 July 2012 Amendment dated 14 March 2013	Determination of Tariff for procurement of power by Distribution licensees from Biomass based projects Order No. 4 of 2013 dated 1 st August 2013 and Corrigendum dated 8-8-2013	
2.	Tariff Period	12 Years from COD after 01 April 2012	12 Years from COD after 01 April 2012		
3.	Control Period	5 years from FY 2012-13	5 years from FY 2012-13	1-8-2013 to 31-3-2016	1-8-2013 to 31-3-2016
4.	Tariff			(i) For Water Cooled Fixed Component – Rs. 1.77/ kWh; Variable component - 2013-14 to 2015-16: Rs.3.39 to 3.73 /kWh ; (ii) For Air Cooled - Fixed Component – Rs. 1.89 /kWh; Variable component - 2013-14 to 2015-16: Rs.3.52 to 3.80/ kWh Above components are without AD	Fixed Component – Rs.1.86 /kWh Variable component- 2013-14 to 2015-16: Rs. 3.15 to 3.48 /kWh Above components are without AD
5.	Financial Parameters				
a.	(i) Capital Cost (Rs. Cr. / MW)	Rs.4.45 Cr./MW for 2012-13 Linked to Indexation	Rs.4.20 Cr./MW for 2012-13 Linked to Indexation	Water Cooled Rs. 4.68 Cr./MW; Air Cooled Rs. 4.98 Cr./MW	Rs. 4.57 Cr./MW
b.	(ii) Debt Equity Ratio	70:30	70:30	70:30	70:30
c.	(iii) Loan Tenure	12 Years	12 Years	10 years	10 years
d.	(iv) Interest on Loan (%) p.a.	SBI LTPLR +300point basis	SBI LTPLR +300point basis	12.86%	12.86%
e.	(v) Depreciation	5.83% First 12-Yrs balance spread over useful life	5.83% First 12-Yrs balance spread over useful life	6% upto 10 years 3% 11 th year to 20 years	6% upto 10 years 3% 11 th year to 20 years
f.	(vi) Return on Equity	20% (Pre-Tax) for 1 st 10 Yrs; 24% (Pre-Tax) for 11 th Yr Onwards	20% (Pre-Tax) for 1 st 10 Yrs; 24% (Pre-Tax) for 11 th Yr Onwards	14%	14%
g.	(vii) O&M Expenses Escalation (%) p.a.	Rs.24 lakh/MW for 2012-13 5.72%	Rs.16 lakh/MW for 2012-13 5.72%	5% of Capital Cost 5.72	3% of Capital Cost 5.72
h.	(viii) Interest on Working Capital (%)	SBI LTPLR +350 point basis	SBI LTPLR +350 point basis	12.86%	12.86%
6.	Discount factor for levelised factor	Equivalent to Post Tax Weighted average cost of capital;	Equivalent to Post Tax Weighted average cost of capital;		

7.	Normative Parameters				
	(i) PLF/Capacity Utilization Factor	80%	Based on Plant Availability as per Regulations	1 st year 70% 80% from 2 nd year onwards	60%
	(ii) Auxiliary Consumption	10%	10%	10%	8.5%
	(iii) Useful life (Yrs)	20 years	20 years	20 years	20 years
8.	Other Parameters				
	(i) Rebate	2% Through LC; 1% Payment Within 01 Month Other than LC	2% Through LC; 1% Payment Within 01 Month Other than LC		
	(ii) Late Payment Surcharge	1.25% p.m. beyond 60-days	1.25% p.m. beyond 60-days		
9.	Sharing of CDM Benefits			100% to developer in 1 st Year after COD; 10% to Beneficiary in 2 nd Year; 10% Increase Progressively upto 50% than equal sharing	
10	Taxes & Duties	Tariff exclusive of taxes and duties	Tariff exclusive of taxes and duties	MAT – 20.008% Corporate Income Tax – 32.45%	MAT – 20.008 Corporate Income Tax – 32.45%
11.	Evacuation Facilities			GETCO/Discom to erect Tr. Line from inter connection point to GETCO/Discom S/S at their cost	GETCO/Discom to erect Tr. Line from inter connection point to GETCO/Discom S/S at their cost
12.	Transmission and Wheeling charges			Allowed on payment of Tr. And Wheeling Charges for third party sale or Captive Consumption	Allowed on payment of Tr. And Wheeling Charges for third party sale or Captive Consumption
13.	Cross Subsidy charge			Exempted only for third party sale	Exempted only for third party sale
14.	Dispatch Principles	Above 10 MW, Monthly Scheduling	Monthly Scheduling	Projects upto 4 MW exempted from scheduling	Must run
15.	Banking			Not allowed	Not allowed
16.	(i) Date of order (ii) RPO	RPO and REC Implementation Regulations 2013 Dated 18.9.2013 0.5 to 1% solar, 3.75% Biomass out of 5.75 -6.25% for 2013-14 to 2015-16	RPO and REC Implementation Regulations 2013 Dated 18.9.2013 0.5 to 1% solar, 3.75% Biomass out of 5.75 -6.25% for 2013-14 to 2015-16	Procurement of from RE sources Regulations 2010 vide Notification No. 3 & 4 of 2010 dated 17.4.2010 & 16.7.2010 and 1 st Amendment regulations 2014 vide Notification No. 2 of 2014 RPO varies from 0.25% to 0.5% from 2010-11 to 2016-17	
17.	Fuel				
	(i) Station Heat Rate kCal/kWh	4000 Kcal / kWh	3600 Kcal / kWh	Water Cooled -3800kCal / kWh and Air Cooled 3950 kCal/kWh	3600 kCal/kWh
	(ii) Calorific value of Fuel kCal/kg	3300 Kcal / kg	2250 Kcal / kg (Bagasse)	Biomass 3400/kCal/Kg. Coal – 3632/ kCal/Kg.	2250 kCal/Kg.
	(iii) Fossil Fuel Limit	15%	15%		
	(iv) Fuel Cost	Rs.2476 lakh/ MW for 2012-13 Linked to Indexation;	Rs.1583 / MT for 2012-13 Linked to Indexation	Biomass -Rs.2726/MT Coal -Rs.2912/MT	Bagasse – Rs. 1804/MT Coal – Rs. 2912/MT
	(vi) Escalation on fuel			5%	5%

COMBINED SUMMARY OF CERC & SERCS REGULATIONS/TARIFF ORDERS

Biomass/Biogas/Co-Generation Power Projects

Sl. No.	Description	HARYANA		KARNATAKA	
		BIOMASS	COGENERATION	Biomass Using Air Cooled Condenser	Co-generation Projects
1.	Order Dated	Terms and Conditions for Tariff determination of RE Sources, RPO & RE C Regulations 2010 Dated:03-02-2011 with Amendments dated 05-09-2011, 25-11-2011 & 15-07-2014	Terms and Conditions for Tariff determination of RE Sources, RPO & RE C Regulations 2010 Dated:03-02-2011 with Amendments dated 05-09-2011, 25-11-2011 & 15-07-2014	Tariff applicable to Biomass Projects using Air Cooled Condenser Order dated 16 th September 2014	Determination of Capital Cost & Tariff Co-generation Projects Order dated 29 th March 2012
2.	Tariff Period	3 years from date of notification	3 years from date of notification		
3.	Tariff			Varies from Rs.5.15 to Rs.6.04 /Unit - 1 st to 10 th Year	Varies from Rs.3.90 to Rs.4.37 / Unit - 1 st to 10 th Year
4.	Financial Parameters				
a.	(i) Capital Cost (Rs. Cr./MW)	For (2010-11) With: Water cooled condenser – Rs. 4.50 Cr. /MW Air cooled condenser – Rs. 4.75 Cr. /MW linked to indexation	Rs. 4.45 Cr./MW (2010-11) Linked to indexation	Rs.5.80 Cr./MW	Rs.4.30 Cr./MW
b.	(ii) Debt Equity Ratio	70:30	70:30	70:30	
c.	(iii) Loan Tenure	10 years	10 years	10 Years	
d.	(iv) Interest on Loan (%) pa	SBI LT PLR Base rate	SBI LT PLR Base rate	12.50%	
e.	(v) Depreciation	7% p.a. for 1 st 10 years of tariff period balance spread over useful life from 11 th year onwards	7% p.a. for 1 st 10 years of tariff period balance spread over useful life from 11 th year onwards	7%	
f.	(vi) Return on Equity	16% p.a.	16% p.a.	16%	
g.	(vii) O&M Expenses Escalation (%) p.a.	Rs. 20.25 lakh/MW (2010-11) 5.72%	Rs. 13.35 lakh/MW during 1 st year 5.72%	4% of Capital Cost 5%	
h.	(viii) Interest on Working Capital (%)	SBI LTPLR	SBI LTPLR	13.25%	
5.	Discount factor for levelised factor				Varies from 3.90 to 4.37 - 1 st to 10 th Year
6.	Normative Parameters				
	(i) PLF/Capacity Utilization Factor	PLF – 60% during stabilization; 70% remaining period of 1 st Year; 80% from 2 nd Year Onwards; 6-Months Max. Stabilization period	PLF - 53%	75%	
	(ii) Auxiliary Consumption	10%	8.5%	10%	

7.	Other Parameters				
	(i) Rebate	2% - Payment Through LC; 1% Payment Within 1 Month Other Than LC	2% - Payment Through LC; 1% Payment Within 1 Month Other Than LC		
	(ii) Late Payment Surcharge	1.25% pm beyond 60-days	1.25% pm beyond 60-days		
8.	Sharing of CDM Benefits	100% to developer in 1 st Year after COD; 10% to Beneficiary in 2 nd Year; 10% Increase Progressively upto 50% than equal sharing	100% to developer in 1 st Year after COD; 10% to Beneficiary in 2 nd Year; 10% Increase Progressively upto 50% than equal sharing		
9.	Subsidy/Incentive by State/ Central Govt. including AD benefit	To be Considered for Tariff Determination	To be Considered for Tariff Determination		
10	Taxes & Duties	Tariff to be exclusive of taxes & duties but allowed as pass through	Tariff to be exclusive of taxes & duties but allowed as pass through	NIL for First 10-Years	
11.	Transmission and Wheeling charges	Transmission/Distribution Licensee upto 10 km beyond 10 km – Cost to be shared by Licensee & developer Wheeling charges @ 2% of energy fed.	Transmission/Distribution Licensee upto 10 km beyond 10 km – Cost to be shared by Licensee & developer Wheeling charges @ 2% of energy fed.		
12.	Dispatch Principles	Above 10 MW, Scheduling	Scheduling		
13.	Banking				
14.	(i) Date of order (ii) RPO	RPO varies from 2013-14 to 2021-22 from 3% to 5.50%	RPO varies from 2013-14 to 2021-22 from 3% to 5.50%		
15.	Fuel				
	(i) Station Heat Rate kCal/kg	3800 kCal/kWh	3600 Kcal/kWh	3900 Kcal / kWh	
	(ii)(a) Calorific value of Fuel kCal/kg (b) Specific Fuel Consumption kG/kWh	3458 kCal/Kg.	Biomass - 3458 kCal/Kg. Bagasse - 2250 kCal/Kg.	3300 Kcal / kg	
	(iii) Fossil Fuel Limit	15%			
	(iv) Fuel Cost	Rs. 1906/MT for first year, linked to indexation	Bagasse Rs. 600/MT Biomass – Rs. 1906/MT - linked to indexation	Rs.2000 / MT	
	(vi) Escalation on fuel	or 5%	or 5%	5%	

COMBINED SUMMARY OF CERC & SERCS REGULATIONS/TARIFF ORDERS

Biomass/Biogas/Co-Generation Power Projects

JAMMU & KASHMIR					
Sl. No.	Description	Biomass	Non-fossil based Co-generation	Biomass Gasifier	Biogas based Project
1.	Order Dated	Tariff Determination for RE Sources Order No.JKSERC/28 dated 17 th May 2013	Tariff Determination for RE Sources Order No.JKSERC/28 dated 17 th May 2013	Tariff Determination for RE Sources Order No.JKSERC/28 dated 17 th May 2013	Tariff Determination for RE Sources Order No.JKSERC/28 dated 17 th May 2013
2.	Tariff Period	20 Years	20 Years	20 Years	20 Years
3.	Control Period	5 Years Commencing 2013-14	5 Years Commencing 2013-14	5 Years Commencing 2013-14	5 Years Commencing 2013-14
4.	Financial Parameters				
a.	(i) Capital Cost (Rs. Cr./ MW)	Rs.4.45 Cr./ MW for 2013-14 Linked to Indexation	Rs.4.20 Cr. / MW for 2013-14 Linked to Indexation	Rs.5.00 Cr. / MW for 2013-14 Linked to Indexation After Capital Subsidy; Rs.4.00 Cr. / MW	Rs.11.00 Cr. / MW for 2013-14 Linked to Indexation After Capital Subsidy; Rs.8.00 Cr. / MW
b.	(ii) Debt Equity Ratio	70:30	70:30	70:30	70:30
c.	(iii) Loan Tenure (Years)	12 Years	12 Years	12 Years	12 Years
d.	(iv) Interest on Loan (%) p.a.	Average J&K Bank Base Rate +300 Basis Points	Average J&K Bank Base Rate +300 Basis Points	Average J&K Bank Base Rate +300 Basis Points	Average J&K Bank Base Rate +300 Basis Points
e.	(v) Depreciation (%)	5.83% - First 12 Years; From 13 th Year Onwards, Spread Over remaining Useful Life	5.83% - First 12 Years; From 13 th Year Onwards, Spread Over remaining Useful Life	5.83% - First 12 Years; From 13 th Year Onwards, Spread Over remaining Useful Life	5.83% - First 12 Years; From 13 th Year Onwards, Spread Over remaining Useful Life
f.	(vi) Return on Equity (%)	18% p.a. for 1 st 10 Yrs 22% p.a. 11 th Year Onwards	18% p.a. for 1 st 10 Yrs 22% p.a. 11 th Year Onwards	18% p.a. for 1 st 10 Yrs 22% p.a. 11 th Year Onwards	18% p.a. for 1 st 10 Yrs 22% p.a. 11 th Year Onwards
g.	(vii) O&M Expenses %age of Capital Cost Escalation (%) p.a.	Rs.24 lakh / MW for 2013-14 5.72%	Rs.16 lakh/MW for 2013-14 5.72%	Rs.40 lakh / MW for 2013-14 5.72%	Rs.40 lakh / MW for 2013-14 5.72%
a.	(viii) Interest on Working Capital (%)	Average J&K Bank Base Rate +350 Basis Points	Average J&K Bank Base Rate +350 Basis Points	Average J&K Bank Base Rate +350 Basis Points	Average J&K Bank Base Rate +350 Basis Points
5.	Discount Factor for levelised Tariff	Equivalent to Post Weighted Average Cost of Capital	Equivalent to Post Weighted Average Cost of Capital	Equivalent to Post Weighted Average Cost of Capital	Equivalent to Post Weighted Average Cost of Capital
6.	Normative Parameters				
	(i) PLF/Capacity utilization Factor	PLF – 60% during Stabilization; 70% during Remaining Period of the Year; 80% 2 nd Year Onwards; Stabilization Period Not More than 6-Months	PLF – 53% For 210 Operating Days (150 Crushing) + 60 (Off Season)	PLF – 85%	90%

	(ii) Auxiliary Consumption	10%	8.5%	10%	12%
	(iii) Useful life (Yrs)	20 Years	20 Years	20 Years	20 Years
7.	(i) Rebate	2% - Payment Through LC; 1% - Payment Other Than LC	2% - Payment Through LC; 1% - Payment Other Than LC	2% - Payment Through LC; 1% - Payment Other Than LC	2% - Payment Through LC; 1% - Payment Other Than LC
	(ii) Late Payment Surcharge	1.25% p.m. beyond 60-days	1.25% p.m. beyond 60-days	1.25% p.m. beyond 60-days	1.25% p.m. beyond 60-days
8.	Sharing of CDM Benefits	100% to developer in 1 st yr; 10% to beneficiary in 2 nd yr; 10% progressive increase every year till 50%, then 50:50 sharing	100% to developer in 1 st yr; 10% to beneficiary in 2 nd yr; 10% progressive increase every year till 50%, then 50:50 sharing	100% to developer in 1 st yr; 10% to beneficiary in 2 nd yr; 10% progressive increase every year till 50%, then 50:50 sharing	100% to developer in 1 st yr; 10% to beneficiary in 2 nd yr; 10% progressive increase every year till 50%, then 50:50 sharing
9.	Subsidy/Incentive by State/ Central Govt. including AD benefit	To be Considered for Tariff Determination	To be Considered for Tariff Determination	To be Considered for Tariff Determination	To be Considered for Tariff Determination
10.	Taxes & Duties	Tariff Exclusive of Taxes and Duties but Allowed as Pass Through	Tariff Exclusive of Taxes and Duties but Allowed as Pass Through	Tariff Exclusive of Taxes and Duties but Allowed as Pass Through	
11.	Dispatch Principles	10 MW and above Scheduling	Scheduling	10 MW and above Scheduling	10 MW and above Scheduling
12.	Banking				
13.	i. Date of Order ii. RPO	RPO & its Compliance Order dated 11 March 2011 & RPO for 2013-14 to 2016-17 dated 05 March 2013 RPO Varies from 2010-11 to 2016-17 for Solar – 0.02% to 2.00% Non-Solar – 0.98% to 7.0%	RPO & its Compliance Order dated 11 March 2011 & RPO for 2013-14 to 2016-17 dated 05 March 2013 RPO Varies from 2010-11 to 2016-17 for Solar – 0.02% to 2.00% Non-Solar – 0.98% to 7.0%	RPO & its Compliance Order dated 11 March 2011 & RPO for 2013-14 to 2016-17 dated 05 March 2013 RPO Varies from 2010-11 to 2016-17 for Solar – 0.02% to 2.00% Non-Solar – 0.98% to 7.0%	RPO & its Compliance Order dated 11 March 2011 & RPO for 2013-14 to 2016-17 dated 05 March 2013 RPO Varies from 2010-11 to 2016-17 for Solar – 0.02% to 2.00% Non-Solar – 0.98% to 7.0%
14.	Fuel				
	(i) Station Heat Rate	4000 Kcal / kWh	3600 Kcal / kWh		
	(ii) Calorific value of Fuel / Sp. Fuel Consumption	3300 Kcal / kg	2250 Kcal / kg		
	(iii) Fossil Fuel Limit (%)	15%			
	(iv) Fuel Cost	For 2013-14 – Rs.2500 / T Linked to Indexation	Bagasse – Rs.1600 / T & Biomass – Rs.2500 / T Linked to Indexation	For 2013-14 – Rs.2500 / T Linked to Indexation	Feed Stock Price Rs.990 / MT for 2013-14
	(v) Escalation on fuel	or 5%	or 5%	or 5%	

COMBINED SUMMARY OF CERC & SERCs REGULATIONS/TARIFF ORDERS

Biomass/Biogas/Co-Generation Power Projects

Sl. No.	Description	JHARKHAND		
		Biomass (Combustion)	Biomass (Gasifier)	Non-Fossil Fuel based Co-generation
1.	Order Dated	Procurement of Power from Biomass & Co-generation Order dated 27 th January 2010; Published on 28 th January 2010	Procurement of Power from Biomass & Co-generation Order dated 27 th January 2010; Published on 28 th January 2010	Procurement of Power from Biomass & Co-generation Order dated 27 th January 2010; Published on 28 th January 2010
2.	Tariff Period	13 Years	13 Years	13 Years
3.	Control Period	Date of Publication – Upto 31/05/2015	Date of Publication – Upto 31/05/2015	Date of Publication – Upto 31/05/2015
4.	Financial Parameters			
a.	(i) Capital Cost (Rs Cr./MW)	Rs.4.50 Cr. /MW	Rs.5.50 Cr. /MW	Rs.4.00 Cr. /MW
b.	(ii) Debt Equity Ratio	70:30	70:30	70:30
c.	(iii) Loan Tenure			
d.	(iv) Interest on Loan (%) p.a.	SBI LTPLR +150 basis points	SBI LTPLR +150 basis points	SBI LTPLR +150 basis points
e.	(v) Depreciation	1 – 10-Yrs – 7% 11-20-Yrs – 2%	1 – 10-Yrs – 7% 11-20-Yrs – 2%	1 – 10-Yrs – 7% 11-20-Yrs – 2%
f.	(vi) Return on Equity	19% (Pre-Tax) for first 10 Yrs 24% (Pre-Tax) from 11-20 Yrs	19% (Pre-Tax) for first 10 Yrs 24% (Pre-Tax) from 11-20 Yrs	19% (Pre-Tax) for first 10 Yrs 24% (Pre-Tax) from 11-20 Yrs
g.	(vii) O&M Expenses Escalation (%) p.a.	4.50% of capital cost 5.72%	4.50% of capital cost 5.72%	3% of capital cost 5.72%
h.	(viii) Interest on Working Capital (%)	SBI LT PLR +100 basis points	SBI LT PLR +100 basis points	SBI LT PLR +100 basis points
5.	Normative Parameters	70%	70%	53%
	(i) PLF/Capacity Utilization Factor	10%	10%	8.5%
	(ii) Auxiliary Consumption			
	(iii) Useful life (Yrs)	20	20	20 Yrs
6.	(i) Rebate	2% - Payment Through LC; 1% Payment Within 1 Month Other Than LC	2% - Payment Through LC; 1% Payment Within 1 Month Other Than LC	2% - Payment Through LC; 1% Payment Within 1 Month Other Than LC
	(ii) Late Payment Surcharge	1.25% pm beyond 60-days	1.25% pm beyond 60-days	1.25% pm beyond 60-days
7.	Sharing of CDM Benefits	100% to developer in 1 st Year after COD; 10% to Beneficiary in 2 nd Year; 10% Increase Progressively upto 50% then equal sharing	100% to developer in 1 st Year after COD; 10% to Beneficiary in 2 nd Year; 10% Increase Progressively upto 50% then equal sharing	100% to developer in 1 st Year after COD; 10% to Beneficiary in 2 nd Year; 10% Increase Progressively upto 50% then equal sharing

8	Subsidy/Incentive by State/Central Govt. including AD benefit	To be Considered for Tariff Determination	To be Considered for Tariff Determination	To be Considered for Tariff Determination
9.	Evacuation Facilities	STU to bear 100% Cost	STU to bear 100% Cost	STU to bear 100% Cost
10.	Transmission and Wheeling charges	50% discount on wheeling charges applicable to conventional	50% discount on wheeling charges applicable to conventional	50% discount on wheeling charges applicable to conventional
11.	Cross Subsidy charge			
12.	Dispatch Principles	Below 10 MW, Must Run	Below 10 MW, Must Run	Below 10 MW, Must Run
13.	Banking	Recommended but 100% Power banked during off peak cannot be drawn during peak	Recommended but 100% Power banked during off peak cannot be drawn during peak	Recommended but 100% Power banked during off peak cannot be drawn during peak
14.	(i) Date of order (ii) RPO	RPO and its compliance Regulations 2010 Order dated 21/7/2010; Amendment dated 29/11/2012 2013-14 to 2015-16 1% Solar + 3% Non-Solar	RPO and its compliance Regulations 2010 Order dated 21/7/2010; Amendment dated 29/11/2012 2013-14 to 2015-16 1% Solar + 3% Non-Solar	RPO and its compliance Regulations 2010 Order dated 21/7/2010; Amendment dated 29/11/2012 2013-14 to 2015-16 1% Solar + 3% Non-Solar
15.	Fuel			
	(i) Station Heat Rate kCal/kg	3800 Kcal / kWh	3800 Kcal / kWh	3600 Kcal / kWh
	(ii)(a) Calorific value of Fuel kCal/kg (b) Specific Fuel Consumption kG/kWh	3467 Kcal / kg	3467 Kcal / kg	2250 Kcal / kg
	(iii) Fossil Fuel Limit	15%	15%	
	(iv) Fuel Cost	Rs.1797 / MT	Rs.1797 / MT	Rs.1163 / MT
	(vi) Escalation on fuel	5% p.a.	5% p.a.	5% p.a.

COMBINED SUMMARY OF CERC & SERCs REGULATIONS/TARIFF ORDERS

Biomass/Biogas/Co-Generation Power Projects

Sl. No.	Description	MADHYA PRADESH		MAHARASHTRA	
		Municipal Solid Waste Based Power Generating Plants	Bagasse Based Co-generation	Non-fossil Fuel based Cogeneration	Biomass Based Power Projects Using Water Cooled Condenser
1.	Order Dated	Order dated October 2013 Tariff Order for procurement of Power from Municipal Solid Waste Based Power Generating Plants	Order April 2013 Tariff Order for Bagasse Based Co-Generation Plants	Determination of RE Tariff Regulation 2010	Determination of RE Tariff Regulation 2010
2.	Tariff Period		25 years	13 Years	13 years
3.	Control Period	Date of order upto 31-3-2016	1-4-2013 to 31-3-2016	5 Years Commencing date of notification ending 2014-15	5 Years Commencing date of notification ending 2014-15
4.	Tariff	Rs. 6.39/Unit for project life of 20 years Reactive energy – 27 P/kVarh	Rs. 6.28/Unit for project life of 20 years Reactive energy – 27 P/kVarh		
5.	Financial Parameters				
a.	(i) Capital Cost (Rs. Cr./ MW)	Rs. 6.0 Cr/. MW	Rs. 4.36 Cr./ MW	Rs.3.9807 Cr. / MW for 2010-11	Rs.4.0254 Cr./MW for 2010-11; For 2013-14 & 2014-15 as per Indexation
b.	(ii) Debt Equity Ratio	70:30	70:30	70:30	70:30
c.	(iii) Loan Tenure (Years)			10 years	10 years
d.	(iv) Interest on Loan (%) p.a.	13%	13%	SBI Advance Rate +150 basis points	SBI Advance Rate +150 basis points
e.	(v) Depreciation (%)	7% p.a. for 1 st 10 years Balance 20% in the next 10 years	7% p.a. for 1 st 10 years Balance 20% in the next 10 years	7.0% p.a. for 1 st 10 years and remaining depreciation spread over remaining useful life	7.0% p.a. for 1 st 10 years and remaining depreciation spread over remaining useful life
f.	(vi) Return on Equity (%)	20% (Pre-Tax)	20% (Pre-Tax)	19% p.a. pre-tax for 1 st 10 years and 24% p.a. pre-tax from 11 th year onwards	19% p.a. pre-tax for 1 st 10 years and 24% p.a. pre-tax from 11 th year onwards
g.	(vii) O&M Expenses %age of Capital Cost Escalation (%) p.a.	5% of Capital Cost in first year 5.72%	3% of Capital Cost in first year 5%	Rs.14.11 lakh / MW during 2010-11 5.72%	Rs. 21.41 lac/MW for (2010-11) 5.72%
a.	(viii) Interest on Working Capital (%)	13.5%	13.5%	SBI AR +100 basis points	SBI AR +100 basis points
6.	Discount Factor for levelised Tariff	10.20%			
7.	Normative Parameters	5.72%			
	(i) PLF/Capacity utilization Factor	PLF - 60% in first year 80% from 2 nd year onwards	PLF – 53%	PLF – 60%	PLF 60% during stabilization (6 months) 70% during remaining period of 1 st year 80% from 2 nd year onwards

	(ii) Auxiliary Consumption	11.5%	8.5%	8.5%	10%
	(iii) Useful life (Yrs)	20 years	20 years		
8.	(i) Rebate	1% for payment in 15 days 2% through LC	1% for payment in 15 days 2% through LC	2% - Payment through LC 1% within 1 month other than LC	2% - Payment through LC 1% within 1 month other than LC
	(ii) Late Payment Surcharge	2% surcharge above SLR of SBI	2% surcharge above SLR of SBI	1.25% - payment beyond 60 days	1.25% - payment beyond 60 days
9.	Sharing of CDM Benefits	100% to developer during control period	100% to developer during control period	All benefits to be retained by Generating Company	All benefits to be retained by Generating Company
10.	Subsidy/Incentive by State/Central Govt. including AD benefit			If availed by Generating Co. shall be considered while determining tariff, GBI shall not be considered.	If availed by Generating Co. shall be considered while determining tariff, GBI shall not be considered.
11.	Taxes & Duties			Shall not be considered for Tariff determination but allowed pass through	Shall not be considered for Tariff determination but allowed pass through
12.	Transmission and Wheeling charges	Wheeling charges 2% of energy injected in grid 4 P/Unit State Govt. subsidy on wheeling charges to Licensee	Wheeling charges 2% of energy injected in grid 4 P/Unit State Govt. subsidy on wheeling charges to Licensee		
13.	Dispatch Principles	No scheduling		Subjected to scheduling and dispatch as per State Grid Code	Subjected to scheduling and dispatch as per State Grid Code
14.	Banking				
15.	i. Date of Order			RPO & its Compliance Regulation 2010	RPO & its Compliance Regulation 2010
	ii. RPO			RPO varies from 2010-11 to 2015-16 Solar Sources – 0.25% to 0.50% Non-Solar – 5.75% to 8.50%	RPO varies from 2010-11 to 2015-16 Solar Sources – 0.25% to 0.50% Non-Solar – 5.75% to 8.50%
16.	Fuel				
	(i) Station Heat Rate	4000 kCal/kWh	3600 kCal/kWh	3600 Kcal / kWh	3800 kCal/kWh
	(ii) Calorific value of Fuel / Sp. Fuel Consumption	2250 kCal/Kg.	2250 kCal/Kg.	2250 Kcal / kg for Bagasse and 3611 Kcal / kg for Biomass	3611 kCal/kg
	(iii) Fossil Fuel Limit (%)			15%	15%
	(iv) Fuel Cost	Rs. 1320/MT	Rs. 1583/MT	Bagasse – Rs.1832 / MT & Biomass – Rs.2605 MT during first three years of control period	Rs. 2605/MT for 2010-11; 2012-13 then indexation
	(v) Escalation on fuel	5% p.a.	5% p.a.		

COMBINED SUMMARY OF CERC & SERCs REGULATIONS/TARIFF ORDERS

Biomass/Biogas/Co-Generation Power Projects

MANIPUR & MIZORAM					
Sl. No.	Description	Biomass	Co-generation	Biomass Gasifier	Biogas
1.	Order Dated	Tariff Determination from RE Sources Regulation 2010 dated 31 st May 2010; Amendment dated 5 th August 2014	Tariff Determination from RE Sources Regulation 2010 dated 31 st May 2010; Amendment dated 5 th August 2014	Tariff Determination from RE Sources Regulation 2010 dated 31 st May 2010; Amendment dated 5 th August 2014	Tariff Determination from RE Sources Regulation 2010 dated 31 st May 2010; Amendment dated 5 th August 2014
2.	Tariff Period	13 Years	13 Years	20 Years	20 Years
3.	Control Period	5 Years Commencing 2012-13	5 Years Commencing 2012-13	5 Years Commencing 2012-13	5 Years Commencing 2012-13
4.	Tariff	2014-15 Tariff in Rs. /kWh Biomass, Water Cooled no Rice Straw or Julifora, Fixed Rs.2.94, Variable Rs.4.48, Total Rs.7.42, AD benefit - 0.17, Net of AD - 7.25	2014-15 Tariff in Rs. /kWh Fixed – 2.65, Variable – 3.29, Total 5.94; AD benefit – 0.21, Net of AD benefit – 5.73	2014-15 Tariff in Rs. /kWh Fixed 2.47, Variable 4.09, Total 6.55, AD benefit – 0.13, after of AD benefit – 6.42	2014-15 Tariff in Rs. /kWh Fixed – 3.39, variable 4.01 applicable tariff 7.40, AD benefit – 0.24; after AD benefit - 7.16
5.	Financial Parameters				
a.	(i) Capital Cost (Rs. Cr. / MW)	2014-15 (For Different Fuels) Varies from: - Water cooled condenser- Rs 5.44187-5.94575 Cr. / MW. Air cooled condenser-Rs.6.34885 Cr./ MW.	Rs.4.40708 Cr. / MW for 2014-15	Rs.4.27118 Cr. / MW for 2014-15	Rs.8.54236 Cr. / MW for 2014-15
b.	(ii) Debt Equity Ratio	70:30	70:30	70:30	70:30
c.	(iii) Loan Tenure (Years)	12 Years	12 Years	12 Years	12 Years
d.	(iv) Interest on Loan (%) p.a.	SBI Base Rate +300 Basis Points (2013-14 Base Rate = 9.7%)	SBI Base Rate +300 Basis Points (2013-14 Base Rate = 9.7%)	SBI Base Rate +300 Basis Points (2013-14 Base Rate = 9.7%)	SBI Base Rate +300 Basis Points (2013-14 Base Rate = 9.7%)
e.	(v) Depreciation (%)	5.83% - First 12 Years; Remaining Depreciation from 13 th Year Onwards, Spread Over remaining Useful Life	5.83% - First 12 Years; Remaining Depreciation from 13 th Year Onwards, Spread Over remaining Useful Life	5.83% - First 12 Years; Remaining Depreciation from 13 th Year Onwards, Spread Over remaining Useful Life	5.83% - First 12 Years; Remaining Depreciation from 13 th Year Onwards, Spread Over remaining Useful Life
g.	(vii) O&M Expenses %age of Capital Cost Escalation (%) p.a.	Rs.42.29 lakh / MW for 2014-15 5.72%	Rs.17.89 lakh/MW for 2014-15 5.72%	Rs.44.71 lakh/MW for 2014-15 5.72%	5.72%

a.	(viii) Interest on Working Capital (%)	Average SBI Base Rate +350 Basis Points	Average SBI Base Rate +350 Basis Points	Average SBI Base Rate +350 Basis Points	Average SBI Base Rate +350 Basis Points
6.	Discount Factor for levelised Tariff	10.76%	10.76%	10.76%	10.76%
7.	Normative Parameters				
	(i) PLF/Capacity utilization Factor	PLF – 53% for 210, Operating days	PLF – 53% for 210, Operating days	PLF – 53% for 210, Operating days	PLF – 53% for 210, Operating days
	(ii) Auxiliary Consumption	Water Cooled – 1 st Year 11%, 2 nd Yr Onwards 10%; Air Cooled – 1 st Year 13%, 2 nd Yr Onwards 12%	8.5%	10%	12%
8.	Subsidy/Incentive by State/Central Govt. including AD benefit	To be Considered for Tariff Determination	To be Considered for Tariff Determination	To be Considered for Tariff Determination	To be Considered for Tariff Determination
9.	Banking				
10.	i. Date of Order ii. RPO	RPO & its Compliance – Regulations 2014 RPO Varies from 2010-11 to 2013-14 Manipur: 2% to 5% Mizoram :5% to 15% including 0.25% from Solar	RPO & its Compliance – Regulations 2014 RPO Varies from 2010-11 to 2013-14 Manipur: 2% to 5% Mizoram :5% to 15% including 0.25% from Solar	RPO & its Compliance – Regulations 2014 RPO Varies from 2010-11 to 2013-14 Manipur: 2% to 5% Mizoram :5% to 15% including 0.25% from Solar	RPO & its Compliance – Regulations 2014 RPO Varies from 2010-11 to 2013-14 Manipur: 2% to 5% Mizoram :5% to 15% including 0.25% from Solar
11.	Fuel				
	(i) Station Heat Rate	a. 4200 Kcal / kWh for Travelling Grate Boilers; b. 4125 Kcal / kWh (AFBC Boiler)	3600 Kcal / kWh		
	(ii) Calorific value of Fuel / Sp. Fuel Consumption	3100 Kcal / kg	2250 Kcal / kWh		
	(iii) Fossil Fuel Limit (%)			Fuel Consumption 1.25 kg / kWh	Fuel Consumption of substrate- 3.0 kg / kWh
	(iv) Fuel Cost	Rs.2942.54 / T (2014-15) As per Fuel Price Indexation	Rs.1881.27 / T (Bagasse) 2014-15 As per Fuel Price Indexation		Rs.1176.54 / MT (2014-15) As per Fuel Price Indexation
	(v) Escalation on fuel	or 5%	or 5%		or 5%

COMBINED SUMMARY OF CERC & SERCs REGULATIONS/TARIFF ORDERS

Biomass/Biogas/Co-Generation Power Projects

Sl. No.	Description	MEGHALAYA		NAGALAND	
		Biomass Gasifier	Biomass	Biomass Power (Water Cooled Condenser)	Non-Fossil Fuel based Co-generation
1.	Order Dated	(Terms and Conditions for determination of Tariff for Generation from Renewable Energy Sources) Regulations, 2014. Dated 11-11-2014		Determination of Generation Tariff for RE Regulations 2011, dated 30 th August 2011	Determination of Generation Tariff for RE Regulations 2011, dated 30 th August 2011
2.	Tariff Period	20 years	20 years	13 Years	13 Years
3.	Control Period	3 Financial years from date of notification	3 Financial years from date of notification	3 Years ending 2011	3 Years ending 2011
4.	Financial Parameters				
a.	(i) Capital Cost (Rs. Cr./ MW)	Rs. 4.0 Cr./ MW	Rs. 4.45 Cr./ MW	Rs.4.03 Cr./MW for 2010-11 Linked to Indexation	Rs.3.98 Cr./MW for 2010-11 Linked to Indexation
b.	(ii) Debt Equity Ratio	70:30	70:30	70:30	70:30
c.	(iii) Loan Tenure (Years)	12 years	12 years	10 Years	10 Years
d.	(iv) Interest on Loan (%) p.a.	SBI LT PLR + 150 basis points	SBI LT PLR + 150 basis points	SBI Base Rate +150 basis points	SBI Base Rate +150 basis points
e.	(v) Depreciation (%)	5.83% p.a. for 1 st year 12 years balance spread over from 13 th year onwards of useful life	5.83% p.a. for 1 st year 12 years balance spread over from 13 th year onwards of useful life		
f.	(vi) Return on Equity (%)	16%	16%	19% (Pre-Tax) for first 10 Yrs 24% (Pre-Tax) 11 th Yr Onwards	19% (Pre-Tax) for first 10 Yrs 24% (Pre-Tax) 11 th Yr Onwards
g.	(vii) O&M Expenses %age of Capital Cost Escalation (%) p.a.	Rs. 30 lakh/MW for 1 st year of operation 5.72%	Rs. 24 lakh kWh/MW for 1 st year of control period 5.72%	Rs.21.41 lakh/MW for FY 2010-11 5.72%	Rs.14.11 lakh/MW for 2010-11 5.72%
a.	(viii) Interest on Working Capital (%)	SBI LT PLR + 100 basis points	SBI LT PLR + 100 basis points	SBI Base Rate +100 basis points	SBI Base Rate +100 basis points
5.	Normative Parameters				
	(i) PLF/Capacity utilization Factor	PLF – 85%	PLF – 60% during stabilization (6 months) 70% - remaining period of 1 st year 80% from 2 nd year onwards	During Stabilisation – 60%; Remaining Part of 1 st Yr. – 70%; 2 nd Yr Onwards – 80% Slab	To be Computed on the basis of Plant availability for number of operating days (Refer Regulation)
	(ii) Auxiliary Consumption	10.0%	10%		8.5%
	(iii) Useful life (Yrs)			20 years	20 years
6.	(i) Rebate	2% - payment through LC 1% - payment within 1 month other than LC	2% - payment through LC 1% - payment within 1 month other than LC	2% Payment Through LC; 1% Payment Other Than LC in 1 Month	2% Payment Through LC; 1% Payment Other Than LC in 1 Month

	(ii) Late Payment Surcharge	1.25% p.m. – payment beyond 60 days	1.25% p.m. – payment beyond 60 days	1.25% p.a. beyond 60-days	1.25% p.a. beyond 60-days
7.	Sharing of CDM Benefits	100% to developer in 1 st Year after COD; 10% to Beneficiary in 2 nd Year; 10% Increase Progressively upto 50% than equal sharing	100% to developer in 1 st Year after COD; 10% to Beneficiary in 2 nd Year; 10% Increase Progressively upto 50% than equal sharing	100% to developer in 1 st yr; after COD 10% to beneficiary in 2 nd yr; 10% progressive increase each yr upto 50%, then 50:50 sharing	100% to developer in 1 st yr; after COD 10% to beneficiary in 2 nd yr; 10% progressive increase each yr upto 50%, then 50:50 sharing
8.	Subsidy/Incentive by State/ Central Govt. including AD benefit	To be considered for Tariff determination	To be considered for Tariff determination	* To be Considered for Determination of Tariff; * GBI not to be considered	* To be Considered for Determination of Tariff; * GBI not to be considered
9.	Taxes & Duties	Tariff exclusive of taxes & duties but allowed as pass through	Tariff exclusive of taxes & duties but allowed as pass through	Tariff Exclusive of Taxes and Duties which shall be Pass Through	Tariff Exclusive of Taxes and Duties which shall be Pass Through
10.	Dispatch Principles			Above 10 MW, Subject to Scheduling	Scheduling
11.	Banking				
12.	i. Date of Order	(REPO and its compliance) Dated 21-12-2010	(REPO and its compliance) Dated 21-12-2010		
	ii. RPO	RPO 0.4% Solar of 1% for 2012-13	RPO 0.4% Solar of 1% for 2012-13		
13.	Fuel				
	(i) Station Heat Rate		4000 kCaL/kWh	3800 Kcal / kWh	3600 Kcal / kWh
	(ii) Calorific value of Fuel / Sp. Fuel Consumption	1.1 Kg/kWh	3467 kCaL/Kg	3467 Kcal / kg	2250 Kcal / kg
	(iii) Fossil Fuel Limit (%)		15%	15%	15%
	(iv) Fuel Cost	Biomass – Rs. 2018/MT for first year, linked to indexation	Rs. 2018/MT for first year, linked to indexation	Rs.1855 / MT for 2010-11 Linked to Indexation;	Rs.1221 / MT (Bagasse) for 2010-11;
	(v) Escalation on fuel	or 5% p.a.	or 5% p.a.	or 5%	or 5%

COMBINED SUMMARY OF CERC & SERCs REGULATIONS/TARIFF ORDERS

Biomass/Biogas/Co-Generation Power Projects

Sl. No.	Description	ODISHA		RAJASTHAN	
		Biomass	Co-Generation	Biomass	Biogas
1.	Order Dated	Generic Tariff of RE sources including Co-generation from 2013-14 to 2017-18	Generic Tariff of RE sources including Co-generation from 2013-14 to 2017-18	Tariff for Biomass & Biogas Plants commissioned during 2014-15 Order dated 23 rd July 2014 and Amendment dated 24 th February 2014	Tariff for Biomass & Biogas Plants Commissioned during 2014-15 Order dated 23 rd July 2014 including Amendment dated 24 th February 2014
2.	Tariff Period	13 years	13 years	20 Years	20 Years
3.	Control Period	3 financial years, 1 st year 2013-14	3 financial years, 1 st year 2013-14		
4.	Tariff	2013-14 to 2015-16 – Rs. 4.87/ kWh	2013-14 to 2015-16 Rs. 5.04/ kWh	For Projects getting commissioned in 2014-15; Water Cooled Condenser – Rs.6.10 / kWh without AD benefit; Rs.5.89 with AD benefit Air Cooled Condenser – Rs.6.62 / kWh without AD benefit & Rs.6.39 / kWh with AD benefit	Tariff For Plants commissioned – 2014-15 – Rs.7.48/kWh without AD Benefit, Rs.7.17/kWh with AD Benefit; 2015-16 -Rs.7.68/kWh without AD Benefit, Rs.7.37/kWh with AD Benefit; 2016-17 – Rs.7.89/kWh Without AD Benefit, Rs.7.58/kWh with AD Benefit
5.	Financial Parameters				
a.	(i) Capital Cost (Rs. Cr. / MW)	Rs. 4.45 Cr. /MW	Rs. 4.20 Cr. /MW	For Projects Commissioned in 2014-15 Water Cooled Condenser Rs.5.26 Cr. /MW Air Cooled Condenser Rs.5.61 Cr. /MW	Rs.8.53 Cr. /MW Excluding Subsidy
b.	(ii) Debt Equity Ratio	70:30	70:30	70:30	70:30
c.	(iii) Loan Tenure (Years)	12 years	12 years		
d.	(iv) Interest on Loan (%) p.a.	12.30%	12.30%	SBI LTPLR +300 Basis Points	SBI LTPLR +300 Basis Points
e.	(v) Depreciation (%)	5.83% for first 12 years Remaining depreciation spread over useful life from 13 th year onwards.		5.28%- First 12 Years & Remaining Spread Over Useful Life of Project from 13 th Year Onwards	
f.	(vi) Return on Equity (%)	16%	16%	Base Rate of 16% to be grossed up with Tax Rate Equivalent to MAT for First 10-Years from COD; Normal Tax Rate for Remaining Years	
g.	(vii) O&M Expenses %age of Capital Cost	Rs. 24.00 lakh/MW	Rs. 16.00 lakh/MW	For FY 2014-15 Water Cooled Condenser Rs.33.67 lakh / MW and Air Cooled Condenser; Rs.35.94 lakh / MW Inclusive of Transmission	Rs.44.71 lakh/MW for 2014-15
	Escalation (%) p.a.	5.72%	5.72%		

h.	(viii) Interest on Working Capital (%)	12.80%	12.80%	Average SBI Base Rate +250 basis points (For 2014-15, 12.21%)	
6.	Discount Factor for levelised Tariff	10.62%	10.62%	13.10% for 2014-15	13.10%
7.	Normative Parameters				
	(i) PLF/Capacity utilization Factor	CUF – during stabilization 60% 2 nd year to 20 th year – 80%	CUF – 53.0%	PLF – 60 % during Stabilization 70% during First Year 75% from 2 nd Year Onwards	PLF – 85%
	(ii) Auxiliary Consumption	10%	8.50%	After Stabilization; Water Cooled 10%; Air Cooled 12%	12%
	(iii) Useful life (Yrs)	20 years	20 years	20 Years	20 Years
8.	(i) Rebate	2% - Payment through LC 1% - Payment within 1 month, other than LC			
	(ii) Late Payment Surcharge	1.25% p.m. – Payment beyond 60 days			
9.	Sharing of CDM Benefits	100% to developer in 1 st Year after COD; 10% to Beneficiary in 2 nd Year; 10% Increase Progressively upto 50% than equal sharing			
10.	Subsidy/Incentive by State/ Central Govt. including AD benefit	To be considered for Tariff determination	To be considered for Tariff determination	Govt. subsidy/incentive as per scheme in addition to allowed 80% depreciation, additional depreciation of 20% of new assets acquired in initial year has been considered	
11.	Taxes & Duties			MAT – 20.01% for First Year and 19.06% for Remaining 9-Years; Normal Tax Rate of 30.90% for remaining 15-Years for Grossing Up Base Rate of ROE	
12.	Evacuation Facilities	Equal sharing between developer and STU / DISCOM			
13.	Dispatch Principles	10 MW & above – scheduling	10 MW & above – scheduling		
14.	Banking				
15.	i. Date of Order ii. RPO	Order dated 5-12-2014 RPO varies from 0.40 to 2.00% for Solar & 6.60% to 9.00% for Non Solar- 2015-16 to 2019-20			
16.	Fuel				
	(i) Station Heat Rate	3800 kCal/kWh	3600 kCal/kWh	After Stabilization – Water Cooled 4200 kcal/kWh; Air Cooled – 4440 kcal / kWh	
	(ii) Calorific value of Fuel / Sp. Fuel Consumption	3300 kCal/Kg.	2250 kCal/Kg.	3400 Kcal / kg	
	(iii) Fossil Fuel Limit (%)				Specific Fuel Consumption – 3 kg / kWh;
	(iv) Fuel Cost	Rs. 2316/MT	Rs. 1583/MT	Plant Commissioned in 2014-15 – Rs.2450 / MT, Variation as per Regulations	For 204-15 Commissioning – Rs.1175 / MT (Net of Cost Recovery)
	(v) Escalation on fuel	5%	5%		5%

COMBINED SUMMARY OF CERC & SERCs REGULATIONS/TARIFF ORDERS

Biomass/Biogas/Co-Generation Power Projects

PUNJAB					
Sl. No.	Description	Biomass based Power Project	Non-Fossil Fuel Based Co.	Biomass Gasifier Power Project	Biogas Based Power Projects
1.	Order Dated	Tariff determination for RE Sources ,Petition -37 Order dated 25-06-2013 for generic tariff for 2013-14	Tariff determination for RE Sources ,Petition -37 Order dated 25-06-2013 for generic tariff for 2013-14	Tariff determination for RE Sources ,Petition -37 Order dated 25-06-2013 for generic tariff for 2013-14	Tariff determination for RE Sources, Petition -37 Order dated 25-06-2013 for generic tariff for 2013-14
2.	Tariff Period				
3.	Control Period				
4.	Tariff	2013-14 - Rs. 6.24/kWh	2013-14-.Rs.5.70/kWh	2013-14- Rs. 6.52/kWh	2013-14 -Rs, 6.91/kWh
5.	Financial Parameters				
a.	(i) Capital Cost (Rs. Cr. / MW)				
b.	(ii) Debt Equity Ratio				
c.	(iii) Loan Tenure (Years)				
d.	(iv) Interest on Loan (%) p.a.				
e.	(v) Depreciation (%)				
f.	(vi) Return on Equity (%)	20% (Pre-Tax) - 10 years 24% (Pre-Tax) - 11 th years onwards	20% (Pre-Tax) - 10 years 24% (Pre-Tax) - 11 th years onwards	20% (Pre-Tax) - 10 years 24% (Pre-Tax) - 11 th years onwards	20% (Pre-Tax) - 10 years 24% (Pre-Tax) - 11 th years onwards
g.	(vii) O&M Expenses %age of Capital Cost Escalation (%) p.a.				
h.	(viii) Interest on Working Capital (%)				
6.	Discount Factor for levelised Tariff				
7.	Normative Parameters				
	(i) PLF/Capacity utilization Factor		80% PLF		
	(ii) Auxiliary Consumption				
	(iii) Useful life (Yrs)				

8.	(i) Rebate				
	(ii) Late Payment Surcharge				
9.	Sharing of CDM Benefits	100% to developer in 1 st Year after COD; 10% to Beneficiary in 2 nd Year; 10% Increase Progressively upto 50% than equal sharing	100% to developer in 1 st Year after COD; 10% to Beneficiary in 2 nd Year; 10% Increase Progressively upto 50% than equal sharing	100% to developer in 1 st Year after COD; 10% to Beneficiary in 2 nd Year; 10% Increase Progressively upto 50% than equal sharing	100% to developer in 1 st Year after COD; 10% to Beneficiary in 2 nd Year; 10% Increase Progressively upto 50% than equal sharing
10.	Subsidy/Incentive by State/Central Govt. including AD benefit	Subsidies/incentives to the developer including GBI to be passed on to the Consumers	Subsidies/incentives to the developer including GBI to be passed on to the Consumers	Subsidies/incentives to the developer including GBI to be passed on to the Consumers	Subsidies/incentives to the developer including GBI to be passed on to the Consumers
11.	Taxes & Duties				
12.	Evacuation Facilities				
13.	Transmission and Wheeling charges				
14.	Cross Subsidy charge				
15.	Dispatch Principles				
16.	Banking				
17.	i. Date of Order ii. RPO	Notification dated 3-6-2011 RPO varies 0.03 to 0.19% for Solar & 2.37 to 3.81% for Non-Solar for 2011-12 to 2014-15	Notification dated 3-6-2011 RPO varies 0.03 to 0.19% for Solar & 2.37 to 3.81% for Non-Solar for 2011-12 to 2014-15	Notification dated 3-6-2011 RPO varies 0.03 to 0.19% for Solar & 2.37 to 3.81% for Non-Solar for 2011-12 to 2014-15	Notification dated 3-6-2011 RPO varies 0.03 to 0.19% for Solar & 2.37 to 3.81% for Non-Solar for 2011-12 to 2014-15
18.	Fuel				
	(i) Station Heat Rate				
	(ii) Calorific value of Fuel / Sp. Fuel Consumption				
	(iii) Fossil Fuel Limit (%)				
	(iv) Fuel Cost	Biomass– Rs.2756/MT- 2012-13	Rs.2357/MT - 2012-13	Rs.2756/MT - 2012-13	
	(v) Escalation on fuel	5%	5%	5%	

COMBINED SUMMARY OF CERC & SERCs REGULATIONS/TARIFF ORDERS

Biomass/Biogas/Co-Generation Power Projects

Sl. No.	Description	TAMIL NADU		UTTAR PRADESH	WEST BENGAL
		BIOMASS	BAGASSE COGENERATION		
1.	Order Dated	Power Procurement by Licensee from Biomass projects and allied issues related to Captive use and third party sale. Order No.8 dated 31.7. 2012	Power Procurement by Licensee from Bagasse Cogeneration plants and allied issues related to Captive use and third party sale. Order No.7 dated 31.7. 2012	Captive and Renewable Energy generating plants Regulations 2014	Co-generation and Generation of electricity from RE sources Regulations 2013 dated 22 nd March, 2013
2.	Tariff Period	20 years	20 years		
3.	Control Period	01.08.2012 to 31.07.2014	01.08.2012 to 31.07.2014	April 1, 2014 – 31 March 2019	
4.	Tariff	(i) Fixed Cost vary from Rs.1.658 (1st year) to Rs.1.580 (20 th year) Per unit (ii) Variable Cost for 2013-14 -Rs.3.188 per unit.	(i) Fixed Cost vary from Rs.2.11 (1st year) to Rs.1.79 (20 th year) Per unit (ii) Variable Cost as applicable during the financial year.	Tariff for projects commissioning from FY 2014-15 to 2018-19 varies from (Rs./kWh) Captive : 3.74 - 4.38 Bagasse Cogeneration: 5.67 - 6.72 Biomass: 6.30 – 7.51 MSW: 6.37 -7.50 SHP(upto5MW): 5.65-6.47 SHP(5-25MW): 4.98 -5.68 Solar Thermal:12.49-10.89 Solar PV &Solar Rooftop (upto 50KW):12.71-11.00 Solar PV &Solar Rooftop (above50KW):8.91-7.84 Other RE projects:4.26-5.46	Biomass Rs. 5.41/kWh - five years Wind Rs. 5.71/kWh - ten years SHP Rs. 4.42/kWh - five years Co-generation Rs. 3.34/kWh - five years Solar PV Rs.8.90/kWh (for projects commissioned between 2012-13 to 2015-16) - twenty five years MSW Rs. 5.12/kWh – ten years Biogas – Rs. 6.24/kWh – 5 years
5.	Financial Parameters				
a.	(i) Capital Cost (Rs. Cr./MW)	Rs. 4.45 Cr./MW	Rs. 4.20 Cr./MW		
b.	(ii) Debt Equity Ratio	70:30	70:30		
c.	(iii) Loan Tenure	10 Years with a moratorium of 1 yr	10 Years with a moratorium of 1 yr		
d.	(iv) Interest on Loan (%) p.a.	12.25%	12.25%		
e.	(v) Depreciation	4.5%	4.5%		
f.	(vi) Return on Equity	19.85% (Pre-Tax)	19.85% (Pre-Tax)		
g.	(vii) O&M Expenses Escalation (%) p.a.	4.5 % of Capital Cost 5%	3 % of Capital Cost 5%		
h.	(viii) Interest on Working Capital (%)	12.5%	12.5%		

6.	Normative Parameters				
	(i) PLF/CUF	80%	55%		
	(ii) Auxiliary Consumption	10%	9%		
	(iii) Useful life (Yrs)	20 years	20 years		
7	(i) Rebate	1% Payment Within 1 Month	1% Payment Within 1 Month	2% Through LC; 1% Payment Within 01 Month Other than LC	
	(ii) Late Payment Surcharge	1% p.m. beyond 30-days	1% p.m. beyond 30-days	1.25% p.m. beyond 60-days	
8.	Sharing of CDM Benefits	100% to developer in 1 st Year after COD; 10% to Beneficiary in 2 nd Year; 10% Increase Progressively up to 50% than equal sharing	100% to developer in 1 st Year after COD; 10% to Beneficiary in 2 nd Year; 10% Increase Progressively up to 50% than equal sharing	100% to developer in 1 st Year after COD; 10% to Beneficiary in 2 nd Year; 10% Increase Progressively upto 50% than equal sharing	CDM benefits to the Generator
9	Subsidy/Incentive by State/Central Govt. including AD benefit			To be Considered for Tariff Determination	
10.	Evacuation Facilities	As per Acts, Codes, Regulations and Orders	As per Acts, Codes, Regulations and Orders.		
11.	Transmission and Wheeling charges	50% of Transmission and Wheeling charges	60% of Transmission and Wheeling charges	As determined by the Commission	Applicable as per relevant tariff order
12.	Cross Subsidy charge	50% Cross Subsidy charge	50% Cross Subsidy charge		
13.	Banking			Banking charges 12.5%, for grid connected solar projects 6% of the energy banked.	
14.	(i) Date of order (ii) RPO			Non-solar 5% and solar 1% of the total energy consumed w.e.f. 2012-13.	0.20 to 3% Solar out of 5.0 to 6% for 2015-16 to 2016-17 increase by 1% beyond 2018-19 till target, Increase solar by 0.1% till 0.5 %.
15.	Fuel				
	(i) Station Heat Rate kCal/kg	3840	3700	4200 using travelling gate boilers 4125 for AFBC boilers	
	(ii)(a) Calorific value of Fuel kCal/kg	3200	2300	3100	
	(b) Specific Fuel Consumption kG/kWh	1.20	1.61	Biomass (gasifier) – 1.1	
	(iii) Fossil Fuel Limit			15%	15%
	(iv) Fuel Cost	Rs.2277 /MT	Rs.1050/MT for 2012-13	Different for different states linked to indexation or 5% escalation p.a.	
	(vi) Escalation on fuel	5%			

COMBINED SUMMARY OF CERC & SERCs REGULATIONS/TARIFF ORDERS

Biomass/Biogas/Co-Generation Power Projects

UTTARAKHAND					
Sl. No.	Description	Biomass	Non-fossil based Co-generation	Biomass Gasifier	Biogas based Project
1.	Order Dated	Tariff for RE Sources & Co-generating Stations 15 th April 2013; and Amendment dated 15 th October 2013 & 5 th July 2014			
2.	Tariff Period	Equal to Useful Life of Project	Equal to Useful Life of Project	Equal to Useful Life of Project	Equal to Useful Life of Project
3.	Control Period	5 Years, Commencing 2013-14	5 Years, Commencing 2013-14	5 Years, Commencing 2013-14	5 Years, Commencing 2013-14
4.	Tariff	Net Tariff – Rs.2.00 / kWh	Net Tariff – Rs.2.70 / kWh	Net Tariff – Rs.2.10 / kWh	Net Tariff – Rs.3.50 / kWh
5.	Financial Parameters				
a.	(i) Capital Cost (Rs. Cr./MW)	Rs. 4.45 Cr. /MW	Rs. 4.20 Cr. /MW	Rs. 5.50 Cr. /MW	Rs. 11.00 Cr. /MW
b.	(ii) Debt Equity Ratio	70:30	70:30	70:30	70:30
c.	(iii) Loan Tenure (Years)	12 Years	12 Years	12 Years	12 Years
d.	(iv) Interest on Loan (%) p.a.	SBI LTPLR +300 basis points	SBI LTPLR +300 basis points	SBI LTPLR +300 basis points	SBI LTPLR +300 basis points
e.	(v) Depreciation (%)	5.83% pa – First 12 Years; From 13 th Year Onwards, Spread Over remaining Useful Life			
f.	(vi) Return on Equity (%)	20% p.a. for 1 st 10 Yrs 24% p.a. 11 th Year Onwards	20% p.a. for 1 st 10 Yrs 24% p.a. 11 th Year Onwards	20% p.a. for 1 st 10 Yrs 24% p.a. 11 th Year Onwards	20% p.a. for 1 st 10 Yrs 24% p.a. 11 th Year Onwards
g.	(vii) O&M Expenses %age of Capital Cost Escalation (%) p.a.	Rs.25.37 lakh/MW for Year of Commissioning 5.72%	Rs.16.92 lakh/MW for Year of Commission 5.72%	Rs.42.29 lakh/MW for Year of Commissioning 5.72%	Rs.42.29 lakh/MW for Year of Commissioning 5.72%
a.	(viii) Interest on Working Capital (%)	SBI LT PLR +350 basis points	SBI LT PLR +350 basis points	SBI LT PLR +350 basis points	SBI LT PLR +350 basis points
6.	Normative Parameters				
	(i) PLF/Capacity utilization Factor	65% during first year; 80% from 2 nd year Onward	45%	85	90
	(ii) Auxiliary Consumption	10%	8.5%	10%	12%
	(iii) Useful life (Yrs)				
7.	(i) Rebate	2% Through LC; 1% Other Than LC within 1 Month	2% Through LC; 1% Other Than LC within 1 Month	2% Through LC; 1% Other Than LC within 1 Month	2% Through LC; 1% Other Than LC within 1 Month
	(ii) Late Payment Surcharge	1.25% beyond 60-days	1.25% beyond 60-days	1.25% beyond 60-days	1.25% beyond 60-days
8.	Sharing of CDM Benefits	100% to developer in 1 st yr of COD 10% to beneficiary in 2 nd yr; 10% progressive increase every year till 50%, then 50:50 sharing			
9.	Subsidy/Incentive by State/Central Govt. including AD benefit	To be Considered for Determination of Tariff	To be Considered for Determination of Tariff	To be Considered for Determination of Tariff	To be Considered for Determination of Tariff

10.	Taxes & Duties	For generic tariff, tax of 18.50% for 1 st 10-year; & 30% for balance period with 5% surcharge & 3% education cess	For generic tariff, tax of 18.50% for 1 st 10-year; & 30% for balance period with 5% surcharge & 3% education cess	For generic tariff, tax of 18.50% for 1 st 10-year; & 30% for balance period with 5% surcharge & 3% education cess	For generic tariff, tax of 18.50% for 1 st 10-year; & 30% for balance period with 5% surcharge & 3% education cess rough
11.	Evacuation Facilities	Transmission & Distribution license 10 km from generating stations	Transmission & Distribution license 10 km from generating stations	Transmission & Distribution license 10 km from generating stations	Transmission & Distribution license 10 km from generating stations
12.	Transmission and Wheeling charges	No charges for sale of electricity to distribution licensee or local grid within the state	No charges for sale of electricity to distribution licensee or local grid within the state	No charges for sale of electricity to distribution licensee or local grid within the state	No charges for sale of electricity to distribution licensee or local grid within the state
13.	Banking		- 100% during peak hours withdrawal during non-peak hours; Rate – 12.5% of banked energy; - Applicable for captive plants also		
14.	(i) Date of Order (ii) RPO	RPO varies from 8% to 11.00% for the Period 2015-16 to 2017-18	RPO varies from 8% to 11.00% for the Period 2015-16 to 2017-18	RPO varies from 8% to 11.00% for the Period 2015-16 to 2017-18	RPO varies from 8% to 11.00% for the Period 2015-16 to 2017-18
15.	Fuel				
	(i) Station Heat Rate	4000 Kcal / kWh	3600 Kcal / kWh		
	(ii) Calorific value of Fuel / Sp. Fuel Consumption	3300 Kcal / kg	2250 Kcal / kg	Sp. Fuel Consumption – 1.25 kg / kWh	Sp. Fuel Consumption – 3.00 Kg / kWh
	(iii) Fossil Fuel Limit (%)	15%			
	(iv) Fuel Cost				
	(v) Escalation on fuel				