

WEST BENGAL ELECTRICITY REGULATORY COMMISSION

(Cogeneration and Generation of Electricity from Renewable Sources of Energy) Regulations, 2013, Dated: 22-03-2013

Sl. No.	Description	Summary		
1.	Control Period	N.A.		
2.	Renewable Purchase Obligation (RPO)	Year	Minimum quantum of purchase (in %) of total consumption from Cogeneration and Renewable energy sources	
			Solar	Total (including Solar)
		2013-14	0.10	4.0
		2014-15	0.15	4.5
		2015-16	0.20	5.0
		2016-17	0.25	5.5
		2017-18	0.30	6.0
		<ol style="list-style-type: none"> 1. The quantum of obligation is with regard to the energy input in the system of the licensee(s) after adjustment of losses. For subsequent years (from 2018 - 2019 onwards) the increase shall be 1% each year till the Ultimate Target is reached by the distribution licensee(s). Till the Ultimate Target is reached, the distribution licensee shall prefer long term agreement with the supplier of renewable and/or cogeneration sources if supplier agrees. 2. From 2018-19 onwards the annual target of solar RPO will be increased by 0.1% till it reaches 0.5%. 3. For purchase of solar energy beyond the target of any year shall not exceed 0.25% of the total consumption in the area of supply of the distribution licensee for that year or target of solar RPO for that year whichever is higher. 		
3.	Price Capping for Energy from Cogeneration and / or Renewable Sources	Sr. No.	RE Technology	Capped Price (Rs/kWh)
		1.	Biomass	Rs 5.4; Levellised Fixed Cost-Rs 2.06 and shall remain fixed for five years
		2.	Wind	For wind energy, the price cap shall be at Rs. 5.71 per kWh for 10 years from the date of coming into force of these regulations.
		3.	Small Hydro	<ul style="list-style-type: none"> • For energy from Small hydro generating station of any generating company (not pumped storage sources), the price cap is fixed at Rs 4.42 per kWh for five from the date of coming into force • Distribution licensee tariff or ARR (Aggregated Revenue Requirement) or generation cost will be determined by the Commission as per Tariff Regulation while determining the retail tariff for the distribution licensee

		3.	Cogeneration	Rs. 3.34 and the same shall remain in force for five years
		4.	Solar PV	<ul style="list-style-type: none"> The capped price of energy for grid connected Solar PV power plants (including those plants which are availing accelerated depreciation benefit, which are not eligible for any incentive declared by MNRE, shall be Rs. 8.90 / kWh for sale to the licensees and such price will be applicable for the grid connected Solar PV power projects commissioned upto 2012-13 and shall remain valid for 25 years. For solar-thermal the price will be determined by the Commission.
		5.	MSW	Rs. 5.12 and shall remain fixed for a period of 10 years
		6.	Bio-Gas	Rs. 6.24 and shall remain fixed for a period of five years
4.	Connectivity	<ol style="list-style-type: none"> The cogeneration and / or renewable energy sources excepting roof-top Solar PV and bio-gas sources shall be connected to the State Grid at a voltage level of 132 KV or 66 KV or 33 KV or 11 KV or 6 KV subject to technical suitability determined by the licensee. The delivery point shall be the nearest grid sub-station having 132 KV / 66 KV / 33 KV / 11 KV / 6 KV voltage level. Roof-top Solar PV sources of capacity shall be allowed connectivity at LV or MV or 6 KV or 11 KV or any other voltage of the distribution system of the licensee as considered technically and financially suitable by the licensee. Bio-gas Plants, if connected to the distribution system, shall be connected at 415 V, 3-ϕ or at 6 KV or 11 KV of the distribution system of the licensee according to the technical suitability examined by the licensee. 		
5.	Dispatch Principle and mismatch/ Unscheduled Interchange charges	<ol style="list-style-type: none"> All renewable energy power plants except bio-mass power plants, cogeneration plants and Municipal Solid Waste (MSW) plants with capacity of 10 MW and above shall be treated as 'Must Run' power plants and shall not be subjected to 'merit order despatch' principles. No mismatch/ Unscheduled Interchange charges will be payable for such power plants. The bio-mass power plants, cogeneration plants and Municipal Solid Waste (MSW) plants with capacity of 10MW and above and open access customers of these plants shall come under ABT mode of operation. The modalities regarding revision of schedule, billing and payment mechanism shall be in accordance with the State Grid Code and Tariff Regulations. 		
6.	CDM Benefits	The proceeds of carbon trading from approved Clean Development Mechanism (CDM) projects shall be the income of the Generator.		
7.	Open Access for Cogeneration and / or Renewable Sources of Energy	<ol style="list-style-type: none"> Any person generating electricity from cogeneration and / or renewable sources shall have open access, subject to availability of adequate transmission facility to any transmission licensee's system within the State on payment of various charges as specified. Meter rent and meter reading and other related charges shall be paid by an open access customer at the rate of 0.75 paise / unit of monthly 		

		energy reading per month subject to a minimum of Rs. 500/- and maximum of Rs. 2,000/- per month and shall be paid to the licensee who is rendering such service.
8.	Transmission Charges	Transmission charges applicable for use of transmission network or associated facilities of a licensee by long term and / or short term open access customers for conveyance of electricity from cogeneration and / or renewable energy sources shall be such charges as applicable as per relevant tariff order.
9.	Wheeling Charges	Wheeling charges applicable for use of distribution system or associated facilities of a licensee by open access customers for conveyance of electricity from cogeneration and / or renewable energy sources shall be applicable as per relevant tariff order.
10.	Reactive Energy Charges	Reactive energy charges will be payable as per Open Access Regulations for all cogeneration and renewable sources of power generation except for wind power generation. For wind power the rate will be three times the rate of the reactive energy charges specified in Open Access Regulations.