

JHARKHAND STATE ELECTRICITY REGULATORY COMMISSION

**(Rooftop Solar PV Grid Interactive Systems and Net/Gross Metering) Regulations,
2015, Dated: 10.11.2015 with amendment Dated: 19.02.2019**

Sl. No.	Description	Summary
1.	Control Period	20 th January 2016 to 31 st March 2021
2.	Applicability	<ol style="list-style-type: none"> 1. These Regulations shall apply to the Distribution Licensees, the eligible consumers of the Distribution Licensees and third party owners of gross/net metering arrangement of rooftop solar PV system in the State of Jharkhand. 2. These Regulations do not preclude the right of the State authorities and Distribution Licensees to undertake rooftop solar projects of 2 MWp and above capacity through alternative mechanisms.
3.	Eligibility	<ol style="list-style-type: none"> 1. Third party owners who have entered into a lease or commercial agreement for the rooftop in the premises of the eligible consumers, shall also be entitled to install rooftop solar PV system under gross/net metering arrangement with the Distribution Licensee, for such capacity which shall be cumulative of the prescribed limits of rooftop solar PV capacity for each eligible consumer whose rooftop has been leased by the third party owner. 2. The eligible consumer or third party owner availing net metering arrangement under these Regulations shall not be allowed to apply for gross metering arrangement within the same premises. 3. If the eligible consumer or third party owner installs solar rooftop system under the net metering scheme, such eligible consumer and individual consumers who have leased out their premise to third party shall be entitled to use the power generated from the rooftop solar PV system at their premises. The surplus power can be injected to the distribution system of the Licensee at the interconnection point.
4.	Capacity of Rooftop PV System	<ul style="list-style-type: none"> • The maximum peak capacity of the grid connected rooftop solar PV system to be installed by any eligible consumer shall not exceed 100% of the Sanctioned Load /Contract Demand of the Consumer. • The capacity of the grid connected rooftop solar PV system to be installed by any eligible consumer or third party owner shall be from 1 kWp to 2 MWp.
5.	Capacity of Transformer	<ol style="list-style-type: none"> 1. The capacity to be allowed in the area fed from the distribution transformer or any other transformer from which power is fed to the eligible consumer is 100% of that distribution transformer or any other percentage as may be fixed by the Commission of the rated capacity of such transformer(s). 2. Provided that no application shall be rejected on the basis of inability to support the proposed Solar rooftop PV project due to need for system augmentation. 3. Provided further that in case of multiple applications from the consumers or third party owners fed by a transformer for participation in the scheme, the connectivity with the rooftop solar PV system shall be allowed on first come first serve basis.
6.	Interconnection with Distribution System	<ul style="list-style-type: none"> • The eligible consumers or third party owners using net metering arrangement are allowed to use a battery backup system in conjunction with their net metering system • The connectivity levels at which the rooftop solar PV system shall be connected with the distribution system are as specified below:

		S. No.	Connected Load / Contract Demand of Eligible Consumer	Connectivity Level
		1.	Up to 5 kW	Single phase at 230 V
		2.	5 kW and above up to 50 kW / 63 kVA	3 Phase, 4 wire at 415 V
		3.	Above 50 kW and up to 1 MW	3 Phase at 6.6kV, 3 Phase at 11 kV
		4.	Above 1 MW and up to 2 MW	3 Phase at 22 kV, 3 Phase at 33 kV] ^A
7.	Metering Arrangement	1.	The appropriate meter(s) shall be single phase or three phase as per requirement. All the meters to be installed shall be of the same or better Accuracy Class Index than the existing meter installed at the premises.	
		2.	The location of appropriate meter(s) shall be in accordance with the CEA (Installation and Operation of Meters), Regulations, 2006 as amended from time to time and the JSERC (Electricity Supply Code) Regulations, 2015 as amended from time to time.	
		3.	The installation of check meters shall be mandatory for rooftop solar PV system having rated capacity more than 50 kWp. The charges for testing, installation and maintenance of the check meter shall be borne by the eligible consumer. The Distribution Licensee shall own the check meter.	
8.	Energy Accounting and Settlement	•	Energy injected into the grid from date of synchronization to Commercial Operation Date (COD) will be considered as deemed energy banking and the unutilized banked energy under net and gross metering shall be considered as deemed purchase by Discom at the respective pooled power purchase costs as determined by the JSERC for the applicable year. Energy settlement shall be done on monthly basis.	
		•	The case of rooftop solar PV system under gross or net metering arrangement the Licensee shall undertake energy accounting and settlement with either the eligible consumer or the third party owner whosoever is a signatory of the interconnection agreement with the Licensee.	
		•	Solar Injection Compensation to be paid by the Distribution Licensee to the eligible consumer or third party owner as the case may be shall be at the ratenotified by the Commission in its Tariff Order/Individual Order for the relevant year in which Rooftop Solar PV System is commissioned or as per the Act, as the case may be, for that Distribution Licensee till the completion of plant life (25 years)	
		•	There shall be no deemed generation charges payable to the eligible consumer or third party owner of the solar rooftop system.	
9.	Applicability of Other Charges		In rooftop solar PV system under gross metering scheme / net metering scheme, whether self-owned or third party owned and installed on eligible consumer premises shall be exempted from wheeling and cross subsidy surcharge.	
10.	Penalty or Compensation		In case of failure of gross metering or net metering system as the case may be, the provisions of penalty or compensation shall be as per the provisions of the provided in the JSERC (Electricity Supply Code) Regulations 2015 and subsequent amendments thereof or as determined by the Commission from time to time.	