

Amendments Proposed:

The Commission proposes the following amendments of the Principal Regulations:

1. The term 'Contracted Load or Contract Demand' is reclassified as 'Connected Load' in Clause 2.1 6) of the Principal Regulations as below:

*~~“Contracted load” or “Contract demand~~ **“Connected Load”** **“Connected Load”** means aggregate of the manufacturer’s rating of all energy consuming devices, in the consumer’s premises, which can be simultaneously used. In case manufacturer-rating plate is not available, the Licensee shall measure actual load of the device. This shall be expressed in KW, KVA or ~~BHP~~ units and shall be determined as per the procedure laid down by the Commission in the JSERC (Electricity Supply Code) Regulations 2015 and subsequent amendments thereof;’*

2. The definition of the term 'Contracted Load' or 'Sanctioned Load' or 'Contract Demand' is included as Clause 2.1 7) of the Principal Regulations:

“7) “Contracted Load or Sanctioned Load or Contract Demand” means the maximum demand in kW, kVA or HP, agreed to be supplied by the Licensee and indicated in the agreement executed between the Licensee and the Consumer.”

3. The following amendment is proposed in Clause 2.3 of the Principal Regulations:

*~~“All proceedings under these Regulations shall be governed by the Conduct of Business Regulations of JSERC~~ **JSERC (Conduct of Business) Regulations, 2016 and subsequent amendments thereof.”***

4. The following amendment is proposed in Clause 3.1 of the Principal Regulations:

“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.”

5. The following amendment is proposed in Clause 3.3 of the Principal Regulations:

*“These Regulations do not preclude the right of the State authorities **and Distribution Licensees** to undertake rooftop solar projects of ~~12~~ MWp and above capacity through alternative mechanisms.”*

6. The Clause 3.4 is proposed to be deleted.

7. The following amendment is proposed in Clause 4.2 of the Principal Regulations:

“Provided that 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.”

8. The following amendment is proposed in Clause 4.4 of the Principal Regulations:

*“Provided that 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.”*

9. The following amendment is proposed in Clause 4.7 of the Principal Regulations:

*“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 ~~his~~ **their** premises. The surplus power can be injected to the distribution system of the Licensee at the interconnection point.”*

10. The following amendment is proposed in Clause 5.1 of the Principal Regulations:

*“5.1 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 connected load~~ **Sanctioned Load / contract demand Contract Demand** of the ~~consumer~~**Consumer**.”*

11. The following amendment is proposed in Clause 5.2 of the Principal Regulations:

*“5.2 The capacity of the grid connected rooftop solar PV system to be installed by any eligible consumer or third party owner shall be ~~more than one kilo watt peak minimum~~ **from 1 kWp to 2 MWp**.”*

12. The following Clause is proposed to be added to Clause 6.2 of the Principal Regulations with the amendment below:

*“6.2 Provided that 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 ~~shall not exceed~~ **is 1005% of that distribution transformer** or any other percentage as may be fixed by the Commission of the rated capacity of such transformer(s).*

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 ”

13. The following amendment is proposed in Clause 7.1 of the Principal Regulations:

“7.1 The eligible consumer or third party owner hereinafter referred to as applicant who intends to install grid interactive rooftop solar PV system in his/her premises

shall apply in the application form at Annexure- I of these Regulations along with the application fees as specified in Annexure-II of these Regulations. The Distribution Licensee shall make available all the forms on their website and local offices. For simplification of the system:

- i. *Jharkhand Bijli Vitran Nigam Limited (JBVNL) shall prepare the procedure for net metering and gross metering arrangement in accordance with these Regulations, in consultation with Jharkhand Renewable Energy Development Agency (JREDA);*
- ii. *The list of documents needed for submission along with the application shall be defined by JBVNL in the procedural document;*
- iii. *All distribution licensees in Jharkhand shall adhere to the procedures framed by JBVNL and ask consumers for only those documents as listed by JBVNL;*
- iv. *Consumers shall submit the application to the Executive Engineer/**Equivalent Officer** of the concerned Distribution Licensee along with a copy to JREDA officer in the district;*
- v. *All Distribution Licensees in Jharkhand shall provide a web link on their website for interested consumers to apply for net metering or gross metering online. There should be provision to fill the forms and upload necessary documents online. Necessary alert should be sent to concerned officer for action and consumer should be able to trace the status of his application processing.*

JREDA shall take monthly progress from Distribution Licensees and submit quarterly progress to the Commission;”

14. The following amendment is proposed in Clause 7.2 of the Principal Regulations:

*“The Licensee shall acknowledge the receipt of the application form **within two (2) days of application**, register the application and shall process the application in the order of the receipt. The Licensee shall prepare a priority list having validity of one eighty (180) days on the basis of the order of such receipts. The priority list shall be prominently displayed in the local offices of the Licensee and shall also be uploaded on the website of the Licensee.”*

15. All the provisos under Regulation 7.5 are proposed to be deleted.

16. The following amendment is proposed in Clause 8.1(iv) of the Principal Regulations:

*“8.1(iv) Regulations and provisions framed under Section 53 of the Electricity Act 2003 and subsequent amendments thereof **shall be complied**”*

17. The following amendment is proposed in Clause 8.2 of the Principal Regulations:

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

18. The following amendment is proposed in Clause 8.3 of the Principal Regulations:

*“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. A sample pictorial representation is given in Annexure VI for explanation purpose only.”*

19. The following amendment is proposed in Clause 9.4 of the Principal Regulations:

*“The location of appropriate meter(s) shall be in accordance with the CEA (Installation and Operation of Meters), Regulations, 2006 as **amendments amended** from time to time and the JSERC (Electricity Supply Code) Regulations, 2015 as amended from time to time.”*

20. “Chapter IV: Energy Accounting” is proposed to be amended as “Chapter V: Energy Accounting”

21. The following clause is proposed to be included as Clause 10.2 in the Principal Regulations:

“10.2 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.”

22. The following amendment is proposed in Clause 10.2 of the Principal Regulations:

*“10.3 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.”*

23. The following amendment is proposed in Clause 10.3 ii of the Principal Regulations:

“10.4 ...

ii. The Distribution Licensee shall reimburse the eligible consumer or the third party owner as the case may be for the quantum of injected electricity by the rooftop solar PV system during the billing period by way of ‘Solar Injection Compensation’.

Provided that the 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 determined on the basis of tariff for new Solar Grid-connected PV projects approved by the Commission vide the JSERC (Determination of Tariff for Procurement of Power From Solar PV Power Project and Solar Thermal Power Project) Regulations, 2015 and subsequent amendments thereof or as determined by the Commission at the rate notified by the Commission in its Tariff Order/Individual Order for the relevant year in which Rooftop Solar PV System is commissioned or as per Section 63 of the Act, as the case may be, for that Distribution Licensee till the completion of plant life (25 years);

Provided further that in case the rate for any year is not specified or there is a delay in the notification of the rate for any year, the previously notified rate shall be applicable.”

24. The following amendment is proposed in Clause 10.4 of the Principal Regulations:

*“10.5 The energy accounting and settlement procedure for consumers **or third party owner** installing and operating rooftop solar PV system under net metering arrangement shall be as per the following procedure:*

i. ...

iii. If the electricity supplied by the Distribution Licensee during any billing period exceeds the electricity generated by the eligible consumer’s rooftop solar PV system, the Distribution Licensee shall raise invoice for the net electricity consumption after taking into account any electricity credit balance remaining from previous billing periods;

Provided, in case the eligible ~~customer~~ consumer is under the ambit of time of day tariff, as determined by the Commission from time to time, the electricity consumption in any time block (e.g., peak hours, off-peak hours, etc.) shall be first compensated with the electricity generation in the same time block. Any excess generation over consumption in any time block in a billing cycle shall be carried forward to the corresponding time block in the subsequent month for adjustment purpose.

Provided also that the excess electricity measured in kilo-watt hour/kVAh may only be utilized to offset the consumption measured in kilo-watt hour/kVAh and may not be utilized to compensate any other fee and charges imposed by the Distribution Licensee as per the instructions of Commission

Provided also at the end of each settlement period, any electricity credits, which remain unadjusted, shall be paid ~~at a rate of Rs 0.50/kWh~~ by the Distribution Licensee at the rate notified by the Commission in its Tariff Order/Individual Order for the relevant year for that Distribution Licensee ~~or as notified by the Commission from time to time.~~

Provided further that in case the rate for any year is not specified or there is a delay in notification of the rate for any year, the previously notified rate shall be applicable till notification of the latest rate.

Provide further that at the beginning of each settlement period, cumulative carried over electricity credits shall be reset to zero.

iv. There shall be no deemed generation charges payable to the eligible consumer or third party owner.

v. In case the applicable tariff provides for billing on kVAh basis, the net drawl or injection of energy shall also be measured in kVAh.

vi. When an eligible consumer leaves the system, that consumers unused electricity credits shall be paid at ~~the rate determined in accordance with Regulation 10.5(iii) of these Regulations of Rs 0.50/kWh by the Distribution Licensee or as notified by the Commission from time to time.~~ ...”

25. “Chapter IV: Miscellaneous” is proposed to be amended as “Chapter VI: Miscellaneous”

26. The Clause on “Power to Remove Difficulties” is proposed to be included as below:

“A18: POWER TO REMOVE DIFFICULTIES

18.1 If any difficulty arises in giving effect to the provisions of these Regulations, the Commission may, by general or specific Order, make such provisions not inconsistent with the provisions of the Act as may appear to it to be necessary for removing such difficulty.”

27. The following amendment is proposed in Annexure -II: Fee Structure of the Principal Regulations:

“APPLICATION FEES

S.No.	Connected Load / Contract Demand of Eligible Consumer	Amount
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<i>S.No.</i>	<i>Connected Load / Contract Demand of Eligible Consumer</i>	<i>Amount</i>
1.	<i>Up to 50 kW / 63 kVA</i>	<i>Rs 250</i>
2.	<i>Above 50 kW and up to 1 MW</i>	<i>Rs 750</i>
3.	<i>Above 1 MW and up to 2 MW</i>	<i>Rs. 1500</i>

The amount of application fee for eligible consumer and third party owner other than the owner of the premises shall be the amount mentioned above.

REGISTRATION FEES

<i>S.No.</i>	<i>Connected Load / Contract Demand of Eligible Consumer</i>	<i>Amount</i>
1.	<i>Up to 50 kW / 63 kVA</i>	<i>Rs 1000</i>
2.	<i>Above 50 kW and up to 1 MW</i>	<i>Rs 2500</i>
3.	<i>Above 1 MW and up to 2 MW</i>	<i>Rs. 5000</i>

The amount of registration fee for eligible consumer and third party owner other than the owner of the premises shall be the amount mentioned above.”

28. The term ‘RSPV Regulations, 2015’ is replaced by ‘RSPV Regulations, 2015 and amendments thereof’ in Annexure-III-9, Annexure-V(A)-6.1 and Annexure-V(B)-1.1 & 2.1(iv) of the Principal Regulations.
29. The following amendments are proposed in Annexure -V(A) Inter connection Metering of the Principal Regulations:

“

The Eligible Consumer or third party owner, by the name ofowning or leasing or having ~~commerce~~ commercial rights to the premises at (address)as first party

.....

And whereas, the (Name of the Licensee) agrees to provide grid connectivity to the eligible consumer for injection of the electricity generated from ~~his SPV~~ their plant of capacity kilowatts into the power system of Licensee and as per conditions of this agreement and Gross/net- metering regulations/orders issued by the Jharkhand State Electricity Regulatory Commission.

.....

2. *Technical and Interconnection Requirements*

2.1. *The First Party agrees that ~~his~~ the Rooftop Solar PV generation plant gross metering system will conform to the standards and requirements specified in these regulations and in the following Regulations and codes as amended from time to time.*

.....

2.2. *First Party agrees that ~~he~~ it has installed or will install, prior to connection of Photovoltaic system to Licensee’s distribution system, an isolation device (both automatic and inbuilt within inverter and external manual relays) and agrees for the Licensee to have access to and operation of this, if required and for repair & maintenance of the distribution system.*

2.3. *First Party agrees that in case of a power outage Licensee’s system, photovoltaic system will disconnect/isolate automatically and ~~his-the~~ plant will not inject power into Licensee’s distribution system.”*

.....

7 *Connection Costs*

7.1 *The First Party shall bear all costs related to setting up of photovoltaic system including metering and interconnection costs. ~~The First Party agrees to pay the actual cost of modifications and upgrades to the service line required to connect photovoltaic system to the grid in case it is required.~~*

30. The following amendments are proposed in Annexure -V(B) Inter connection Metering of the Principal Regulations and all the instances of the term “eligible consumer” are replaced by “First Party” and “Licensee” by “Second Party”:

“ ...

*The Eligible Consumer or third party owner, by the name ofowning or leasing or having **commercial** rights to ~~having or leasing~~ the premises at (address)as first party*

...

*And whereas, the (Name of the Licensee) agrees to provide grid connectivity to the eligible consumer for injection of the electricity generated from ~~his-SPV~~ their plant of capacity kilowatts into the power system of Licensee and as per conditions of this agreement and **Gross/net-** metering regulations/orders issued by the Jharkhand State Electricity Regulatory Commission.*

Both the parties hereby agree to as follows:

1. Eligibility

1.1. Eligibility for net-metering has been specified in the JSERC (Rooftop Solar PV Grid Interactive System Gross / Net Metering) Regulations, 2015 (hereinafter referred to as RSPV Regulations, 2015). Eligible consumer **or third party owner** is required to be aware, in advance, of the standards and conditions his system has to meet for being integrated into grid/distribution system.

2. Technical and Interconnection Requirements

2.1. The ~~eligible consumer~~ **First Party** agrees that ~~his~~ **the** Rooftop Solar PV generation plant and net metering system will conform to the standards and requirements specified in these regulations and in the following Regulations and codes as amended from time to time.

...

In witness, whereof, Mr. for and on behalf of
(Eligible consumer **or third party owner**) and Mr.
..... for and on behalf of (Licensee) sign this
agreement in two originals.”