ಕರ್ನಾಟಕ ರಾಜ್ಯಪತ್ರ

ಅಧಿಕೃತವಾಗಿ ಪ್ರಕಟಿಸಲಾದುದು

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ಭಾಗ ೩
ಸರ್ಕಾರದ ಆಯಾ ಇಲಾಖೆಗಳ ಮುಖ್ಯಸ್ಥರ ಮತ್ತು ಸ್ಥಳೀಯ ಪ್ರಾಧಿಕಾರಿಗಳಿಗೆ ಸಂಬಂಧಿಸಿದ ಅಧಿಸೂಚನೆಗಳು

KARNATAKA ELECTRICITY REGULATORY COMMISSION

Karnataka Electricity Regulatory Commission (Grid Interactive Distributed Solar Photovoltaic (DSPV) Plants) Regulations, 2026

Notification No. KERC/F-34/V-38/2026-27/2395 **Dated:19.08.2026**

PREAMBLE

In exercise of powers conferred under Sections 61(h), 62(1)(a) read with Section 64, Section 86(1) (b) & (e), Sub-section (3) of Section 181 of the Electricity Act, the Commission had notified KERC (Implementation of Solar Rooftop Photovoltaic Power Plants) Regulations, 2016. The Commission has been issuing Orders for facilitating implementation of the said Regulations. The Commission in its order dated 09.07.2025 has allowed for installation of facade-integrated solar panels on walls of the buildings, solar panels of mono-facial/ bi-facial on roof of the buildings and also on the elevated structures on ground. The Commission has also introduced implementation of Virtual Net Metering (VNM) and Group Net Metering (GNM). Since, then Solar PV installation is not confined to only roof top of the buildings as the Commission in the Order dated 09.07.2025 renamed the "Solar Roof Top PV (SRTPV) plants" as "Distributed Solar PV (DSPV) plants" with net metering/gross metering arrangements.

The total RE installed capacity as on 31st of March, 2026 in the State is 21961.67 MW (Wind-7870.81 MW, Solar-10527.03 MW, Solar-Wind Hybrid- 738.30 MW, Cogeneration- 1731.16

MW, Small hydro- 943.84, Biomass- 139.03 MW, MSW- 11.5 MW) which contributes to 57% of the installed capacity of 38,196 MW in the State. Large penetration of renewable energy into the grid has led to key challenges like intermittency, voltage instability, and grid congestion due to the variable nature of solar and wind. Out of total solar PV installed capacity of 10527.03 MW, the DSPV capacity is about 899.53 MW.

The Forum of Regulators has issued Model Regulations for Grid Interactive Distributed Renewable Energy Sources (DRES) in February, 2026 and has recommended that the maximum capacity under net metering shall not exceed the sanctioned load / contracted demand of the prosumer or 500 kW, whichever is lower. Considering the latest developments in the sector including large scale integration of renewable sources to the grid and keeping in view the grid security, the Commission, in exercise of the powers conferred under Sections 42(2), 61(h), 62(1)(a) read with Sections 64, 86(1)(b) & (e) and Sub-section (3) of Section 181 of the Electricity Act, 2003 notified the draft Karnataka Electricity Regulatory Commission (Grid Interactive Distributed Solar Photovoltaic (DSPV) Plants) Regulations, 2026 inviting comments from the stakeholders. The Notice for the same was published in Deccan Herald, Times of India, Prajavani and Vijayavani on 6th June, 2026 and the Stakeholders/interested persons were invited to attend the Public Hearing on 07th July, 2026 by issuing public hearing notice on 26th June 2026 in Deccan Herald, Times of India, Prajavani and Vijay Karnataka newspapers. The Commission conducted the Public Hearing on 07th July, 2026 in the matter.

The Stakeholders during the public hearing had requested the Commission to allow net-metering to all the consumer categories as allowed in other States such as Gujarat and Maharashtra and had suggested to allow net-metering to all consumer categories until the total DSPV capacity reaches a threshold capacity of 3 GW in the State. Some of the Stakeholders in their written submissions had requested to allow net-metering up-to 1000 kW.

Considering the suggestions/views/objections/comments on the draft Karnataka Electricity Regulatory Commission (Grid Interactive Distributed Solar Photovoltaic (DSPV) Plants) Regulations, 2026, the Commission, in exercise of the powers conferred under Sections 42(2), 61(h), 62(1)(a) read with Sections 64, 86(1)(b) & (e) and Sub-section (3) of Section 181 of the Electricity Act, 2003 and all other powers enabling it in this behalf hereby makes the following Regulations:

1. Short title and commencement

1.1. These Regulations shall be called the Karnataka Electricity Regulatory Commission (Grid Interactive Distributed Solar Photovoltaic (DSPV) Plants) Regulations, 2026.

1.2. These Regulations shall come into force from the date of notification in the Official Gazette of Karnataka. The agreements signed before the notification of these Regulations shall be as per terms and conditions of the agreements entered.

1.3. These Regulations shall be applicable to Distribution Licensees and the Eligible Consumers in the State of Karnataka.

2. Definitions

2.1. In these Regulations, unless the context otherwise requires,

a) **"Act"** means the Electricity Act, 2003 (36 of 2003) and subsequent amendments thereof.

b) **"Behind the Meter" or "BTM"** means an arrangement in which the Distributed Renewable Energy System is connected behind the Consumer's meter, operating in parallel with the distribution licensee's grid, and not opting for any other metering or billing arrangement and subject to other conditions specified in these Regulations.

c) **"Bidirectional Meter"** means an energy meter which is capable of recording both import and export of electricity.

d) **"Billing Cycle or Billing Period"** means the period between two consecutive meter reading dates;

e) **"Commission"** means the Karnataka Electricity Regulatory Commission referred to in Sub-section (1) of Section (82) of the Act;

f) **"Contracted Demand" or "Sanctioned Load"** means the load in kW, kVA, or HP, agreed to be supplied by the licensee as indicated in the application form submitted by the Applicant/Consumer or as indicated in the agreement executed between the licensee and the consumer.

g) **"Designated Consumer" or "DC"** means any consumer notified by the Central Government under clause (e) of Section 14 of the Energy Conservation Act, 2001 and for which a target for consumption of Renewable Energy (RE) is notified under the Statutory Orders issued by the Government of India from time to time.

h) **"Distribution Licensee"** means a licensee authorized to operate and maintain Distribution System for supplying electricity to the consumers in his area of the supply;

i) **"Distributed Solar Photo Voltaic (DSPV) Plant" or "DSPV" system or "DSPV"** means Solar electricity generation system **not to exceed 10 MW in size** and connected to the grid network with or without energy storage having an anti-islanding protection to prevent flow of energy into the grid when grid supply is not available.

j) **"Eligible Consumer(s)" or "Consumer(s)"** means a consumer of electricity in the area of supply of the distribution licensees, uses or intends to use a Distributed Solar

PV (DSPV) plant/ Solar PV (SPV) plant, installed at his premises or at any other location as the case may be depending on the metering mechanism, to meet all or part of his own electricity requirement who satisfies such conditions as specified by the Commission for such metering mechanism.

k) **"Financial Year" or "Year"** means the period beginning from first of April and ending with the thirty first of the March of the next year.

l) **"Generation Meter"** means an energy meter installed to measure the electricity generated by the Distributed Solar PV (DSPV) plant/ Solar PV (SPV) plant.

m) **"Group Net Metering" or "GNM"** means an arrangement whereby surplus energy from a Solar PV plant is exported to the grid and the exported energy is adjusted in more than one electricity service connection(s) of the same consumer with same name and same consumer category located within the area of supply of the distribution licensee as specified by the Commission.

n) **"Gross Metering" or "GM"** means a mechanism whereby the total energy generated from DSPV plant of a consumer and the total energy consumed by that consumer are accounted separately through appropriate metering arrangements and for the billing purpose, the total energy consumed by the consumer is accounted at the applicable retail tariff and total energy generated by DSPV plant is accounted at the tariff determined by the Commission.

o) **"Grid Support Charges"** means the charges to be paid by the prosumers and other users of the grid, for recovering the costs related to energy storage, grid balancing etc., for facilitating energy injection into the grid as may be determined by the Commission.

p) **"Hosting Capacity"** means cumulative capacity of DSPV plant/ SPV plant allowed to be interconnected with the grid (Substation or feeder or transformer) shall not exceed as specified in the KERC Grid Code/ KERC Distribution Code/ Conditions of Supply of Electricity of Distribution Licensees in the State of Karnataka (COS) or relevant KERC Regulations relating to Supply of Electricity.

q) **"Interconnection Point"** means the interface point of the DSPV plant/ Solar PV plant with the network of the distribution licensee or transmission licensee as the case may be.

r) **"Net Billing" or "NB"** means a single bidirectional energy meter used for billing at the point of supply wherein the energy imported from the Grid and energy exported from DSPV plant of a prosumer are valued at two different tariffs, where -

- The monetary value of the imported energy is based on the applicable retail tariff.
- The monetary value of the exported renewable energy is calculated based on DSPV tariff determined by the Commission
- The monetary value of the exported energy is deducted from the monetary value of the imported energy to arrive at the net amount to be billed or credited.

s) **"Net Metering" or "NM"** means a mechanism whereby energy exported to the Grid from DSPV plant of a prosumer is off-set with the electricity supplied by the

Distribution Licensee and the net energy if any, supplied to grid shall be purchased at the tariff determined by the Commission, as applicable under the provisions of these Regulations

t) **"Obligated Entity"** means an entity for which the Commission has specified requirement under clause (e) of sub-section (1) of Section 86 of the Act to fulfil the renewable purchase obligation.

u) **"Power Purchase Agreement (PPA)"** means an agreement entered into by the distribution licensee with the eligible consumers.

v) "PPA period" shall mean PPA for a period of 25 years.

w) **"Premises"** as defined under the Act and subsequent amendments thereof;

x) **"Prosumer"** means a consumer who consumes electricity from the grid and also injects electricity into the grid using the same network.

y) **"Renewable Energy Certificate" or "REC"** means the certificate issued in accordance with the Central Electricity Regulatory Commission (Terms & Conditions for Renewable Energy Certificates for Renewable Energy Generation) Regulations, 2022 and subsequent amendments thereof, if any;

z) **"RESCO"** means Renewable Energy Service Company.

aa) **"Solar Photo Voltaic (SPV) Plant" or "Solar PV Plant/system" or "SPV Plant/system" or "SPV"** means Solar electricity generation system of capacity not exceeding the Combined Sanctioned load or Combined Contracted Demand of the participating connections under VNM/GNM, as the case may be and connected to the grid network with or without energy storage having an anti-islanding protection to prevent flow of energy into the grid when grid supply is not available.

bb) **"Virtual Net Metering" or "VNM"** means an arrangement whereby the entire energy generated from a Solar PV (SPV) Plant set up by the participating consumers, located within the area of same distribution licensee is exported to the grid and the energy exported is adjusted in more than one electricity service connections of the participating consumers belonging to the same consumer category located within the area of supply of the same distribution licensee.

2.2. Words and expressions used in these regulations and not defined herein but defined in the Act or Rules or any other regulations specified by the Commission shall, unless the context otherwise requires, have the meanings assigned to them under the Act and Rules or other regulations specified by the Commission, as the case may be.

3. Scope and applicability

3.1. These Regulations shall apply to the DSPV Plant(s) and Solar PV Plant(s) installed in the area of supply of the distribution licensee.

3.2. The consumer may own the DSPV Plant/SPV Plant or may enter into a contract with the

RESCO on mutual commercial arrangements for the establishment of the DSPV Plant/SPV Plant as per provisions under these regulations.

Provided that, RESCO shall enter into a direct agreement with consumer as regards its payment. There shall be no tripartite agreement between RESCO, consumer and the distribution licensee. Even in case of RESCO mode, the PPA shall be entered into between distribution licensee and eligible consumer as per provisions under these regulations.

Provided further that, the dispute between the consumer and the RESCO arising out of contractual obligations under the direct agreement shall be settled mutually by them. The distribution licensee shall not be a party to such dispute and shall not disconnect such consumer on such dispute between consumer and the RESCO.

3.3. The eligible Consumers may use the hybrid grid tied inverter with battery to the DSPV/SPV system at their option. The stored energy can be utilized for their own use.

Provided that, the Commission shall review the requirement of distributed energy storage at prosumer level after two years from the date of notification of these Regulations or at the time when, the total cumulative installed DSPV capacity of the Net metering, Solar PV capacity of VNM and GNM, all put together reaches 3 GW in the State, whichever is earlier.

3.4. Consumers having pending arrears with the distribution licensee shall not be eligible to install DSPV system/SPV system under these Regulations:

Provided that, where there is a dispute between the distribution licensee and the consumer, relating to any charge for electricity, such consumers shall be allowed to install DSPV Plant/SPV Plant pending such resolution of dispute upon deposit of the disputed amount with the distribution licensee in accordance with Section 56 of the Act.

3.5. The consumer availing open access under clause (2) of Section 42 of the Act may also establish DSPV Plant in his premises under net metering as per provisions of these regulations. In such case, priority for settlement/adjustment in credit should be done first for OA transactions followed by banked energy (if applicable) followed by the energy generated by the DSPV Plant. Excess energy if any, injected to the grid after net-off at the end of the month shall be purchased at no cost to the Distribution Licensee.

3.6. The applicability of net metering to the consumer category as per Regulation 4.1.1 and the net metering capacity limits as per Regulation 4.1.2 shall be in force until the cumulative total installed DSPV capacity of Net metering, Solar PV capacity of VNM and GNM all put together in the State reaches 3 GW.

Provided that, the Distribution Licensees shall publish on their websites the details of cumulative DSPV/SPV approved capacity and cumulative DSPV/ Solar PV commissioned capacity in their jurisdiction as at the end of each month. The Karnataka Renewable Energy Development Limited (KREDL) shall consolidate and publish on its

website, the details of cumulative DSPV/Solar PV approved capacity and cumulative DSPV/Solar PV commissioned capacity of the State every month.

4. Metering Mechanism, eligible consumers and allowed DSPV/SPV capacities

4.1. Net Metering

4.1.1. The Consumers of all categories shall be allowed to install DSPV Plant under net metering mechanism.

4.1.2. The minimum capacity of DSPV system that can be set up under net metering mechanism shall be 1 kW, while the maximum capacity shall not exceed the sanctioned load / contracted demand of the consumer or 1000 kW, whichever is lower.

4.1.3. All eligible consumers can also switch from existing net metering mechanism to net billing or gross metering or behind the meter mechanism only one time during life of the DSPV project.

4.2. Net Billing

4.2.1. Consumers of all categories shall be allowed to install DSPV Plant under net billing mechanism.

4.2.2. The minimum capacity of DSPV Plant that can be set up under net billing mechanism shall be 1 kW.

4.2.3. The maximum capacity of DSPV Plant that can be set up under net billing mechanism shall not exceed the sanctioned load / contracted demand of the consumer.

4.2.4. All eligible consumers can switch from existing net billing mechanism to behind the meter or gross metering mechanism only one time during life of the DSPV project.

4.3. Gross Metering

4.3.1. Consumers of all categories shall be allowed to install DSPV Plant under gross metering mechanism.

4.3.2. The minimum capacity of DSPV Plant that can be set up under gross metering mechanism shall be 1 kW, while the maximum capacity shall not exceed the sanctioned load /contracted demand of the consumer.

4.3.3. All eligible consumers can switch from existing gross metering mechanism to behind the meter only one time during life of the DSPV project.

4.4. Group Net Metering

4.4.1. All consumer categories shall be eligible to establish Solar PV (SPV) Plant under group net metering mechanism:

Provided that the service connections of the prosumer installing SPV Plant under group net metering mechanism should have same name and same category.

4.4.2. The minimum capacity of SPV Plant that can be set up under group net metering mechanism shall be 5 kW, while the maximum capacity shall not exceed the combined sanctioned load / contracted demand of all the participating service connections of the consumer.

4.5. Virtual Net Metering

4.5.1. Domestic Consumers including residential apartments (for common area consumption and for individual residents of the apartments), group housing societies, institutions run or managed by charitable Institutions/organizations, installations of government bodies/municipal bodies, government buildings including schools, buildings belonging to local authorities shall only be allowed to install Solar PV Plant under virtual net metering mechanism.

Provided that, the consumers installing Solar PV Plant under virtual net metering should belong to same consumer category.

4.5.2. The minimum capacity of Solar PV Plant that can be set up under virtual net metering mechanism shall be 5 kW, while the maximum capacity shall not exceed the combined sanctioned load / contracted demand of all the participating consumers.

4.6. Behind the Meter

4.6.1. All Consumer categories shall be allowed to opt for behind the meter mechanism.

4.6.2. There is no minimum capacity limit for DSPV Plant that can be set up under behind the meter mechanism, while the maximum capacity shall not exceed the sanctioned load / contracted demand of the consumer.

Provided that the consumer may install behind the meter, solar capacity in excess of the sanctioned load/contracted demand by installing suitable capacity generator/storage for providing voltage reference to the inverter or by installing suitable inverter which sets its own voltage and frequency reference and operates in islanding mode.

4.6.3. All eligible consumers can switch from existing behind the meter to gross metering or net Billing only one time during the life of the DSPV project.

4.7. Summary of Eligible Consumers and Permissible Metering Mechanism:

4.7.1. The summary of the eligible consumer categories, DSPV Plant/ Solar PV Plant capacities that are permissible under different metering mechanism is shown in the table below:

Metering Mechanism	Capacity that can be availed		Eligible consumer categories	Location of DSPV/SPV system
	Minimum	Maximum		
Net Metering	1 kW	Up to Sanctioned Load / Contracted Demand or 1000 kW, whichever is lower	All Consumer Categories	In consumer premises

Net Billing	1 kW	Up to Sanctioned Load / Contracted Demand	All Consumer Categories	In consumer premises
Gross Metering	1 kW	Up to Sanctioned Load / Contracted Demand	All Consumer Categories	In consumer premises
Group Net Metering	5 kW	Up to combined Sanctioned Load / Contracted Demand of all participating service connections of the same consumer and same consumer category	All Consumer Categories	In consumer Premises at one of his service connection locations.
Virtual Net Metering	5 kW	Up to combined Sanctioned Load / Contracted Demand of all the participating consumers	Domestic Consumers including residential apartments, group housing societies, institutions run or managed by charitable Institutions/organizations, installations of government bodies/municipal bodies, government buildings including schools, buildings belonging to local authorities.	In consumer premises or any other location within the jurisdiction of Distribution Licensee
Behind the Meter	No minimum limit	Up to Sanctioned Load / Contracted Demand	All Consumer Categories	In consumer premises

4.7.2. The location of the DSPV/SPV System in the consumer premises, mentioned in the Regulation 4.7.1 shall mean installation of Facade-integrated solar panels on the walls of the building, solar panels of mono-facial/ bi-facial or any new solar technology as per relevant standards, on roof of the buildings and also on the elevated structures on ground, subject to adherence to the Building Bye-laws and conforming to relevant Safety Regulations/Standards, by the consumers. The elevated structures must have minimum ground clearance of 8 (eight) feet at the lowest point, within the premises.

Provided that the minimum ground clearance of 8 (eight) feet at the lowest point is not applicable to Behind the Meter mechanism for Captive plants installed for captive use.

5. Energy Accounting

5.1. Net Metering

5.1.1. The consumer may set up a DSPV Plant to offset his electricity consumption from the distribution licensee.

5.1.2. The distribution licensee shall undertake meter reading of all DSPV Plants according to the regular meter reading cycle.

5.1.3. The distribution licensee shall record readings of bi-directional meter and generation meter according to the regular billing cycle.

5.1.4. For each billing cycle, the distribution licensee shall make the following information available on its bill to consumer:

a) DSPV Plant's generation recorded in the Generation Meter in the billing period;

b) Electricity injected by the DSPV System into the grid in the billing cycle;

c) Electricity supplied by the distribution licensee in the billing cycle;

d) Net billed electricity, for which a payment is to be made by the prosumer, if any;

e) Excess energy exported, if any and purchased by the Distribution Licensee at the PPA tariff, and amount settled on monthly basis.

5.1.5. In case the prosumer is under the ambit of time-of-day tariff, as determined by the Commission in its orders from time to time, the following process shall be followed:

a) 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.

b) Any cumulative excess injected electricity over and above consumption in any other time block in a billing cycle shall be accounted as if the excess injection had occurred during off-peak time blocks.

c) This process will continue till all consumption in off-peak time blocks is set off against DSPV system generation in the time blocks specified in Regulation 5.1.5.

d) Any excess generation after setting off consumption in off-peak time blocks shall be purchased by the Distribution Licensee at the PPA tariff and settled monthly.

5.1.6. The injected electricity measured in kilowatt hour (kWh)/kVAh shall only be utilized to offset the consumption measured in kWh/kVAh and shall not be utilized to compensate any other fee and charges levied by the distribution licensee.

5.1.7. Regardless of availability of excess electricity with the prosumer during any billing cycle, the consumer shall continue to pay all other charges such as fixed/demand charges and government levy etc. The excess energy shall be purchased by Distribution Licensee at the tariff determined by the Commission and amount settled monthly.

5.2. Net Billing

5.2.1. The consumer shall set up a DSPV Plant to offset his electricity purchase bill from the distribution licensee.

5.2.2. The distribution licensee shall undertake meter readings of bidirectional meter and generation meter according to the regular billing cycle.

5.2.3. For each billing cycle, the distribution licensee shall make the following information available on its bill to the Eligible Consumer:

a) DSPV Plant's generation recorded in the Generation Meter in the billing period;

b) Electricity units consumed by the Consumer in the billing cycle

c) Energy injected into the Grid of the Distribution Licensee

5.2.4. The energy generated by the DSPV Plant shall be first used for self-consumption and surplus energy injected into the Grid or energy drawn from the Grid shall be billed as per following equation:

Energy Bill of consumer =

Fixed Charges + Other applicable charges and levies + (EDL × TRST) - (ERE × TRR)

Where:

a) Fixed Charges means the Fixed/Demand Charges as applicable to the consumer category as per the applicable retail supply Tariff Order;

b) Other charges and levies mean any other charges such as duties and taxes, cess, etc.;

c) EDL means the energy drawn from the Grid by the prosumer.

d) TRST means the applicable retail supply tariff of the concerned consumer category as per the applicable retail supply Tariff Order of the Commission.

e) ERE means the energy injected into the Grid by the prosumer.

f) TRR means PPA tariff as determined by the Commission.

5.2.5. The monetary value of the imported energy is debited based on the applicable retail tariff determined by the Commission from time to time. The monetary value of the exported energy is credited based on the tariff as determined by the Commission. The monetary value of the exported energy is deducted from the monetary value of imported energy to arrive at the net amount to be billed.

5.2.6. The billing shall be as per regular monthly billing cycle with monthly settlement.

5.3. Gross Metering

5.3.1. Gross metering is permitted to all eligible consumers who opt to sell all energy generated by DSPV Plant to the distribution licensee by injecting the entire generation into the distribution grid.

5.3.2. For each billing cycle, the distribution licensee shall make the following information available on its bill to the Eligible Consumer:

a) DSPV Plant's generation recorded in the Generation Meter in the billing cycle;

b) Electricity units consumed by the Consumer in the billing cycle;

c) Credited amount towards payment of energy supplied to the distribution licensee, if any, in the billing period;

5.3.3. The distribution licensee shall undertake meter reading of both the Generation meter and the consumer meter according to regular billing cycle.

5.3.4. The distribution licensee shall purchase entire energy generated from the DSPV system at the tariff determined by the Commission.

5.3.5. The energy supplied by the distribution licensee shall be billed as per tariff for respective category of consumers in accordance with terms and conditions of prevalent Retail Supply Tariff Order.

5.3.6. The distribution licensee shall prepare a bill comprising of the amount payable by the distribution licensee as per regulation 5.3.4 above and amount payable by the consumer as per regulation 5.3.5 above for each billing cycle:

Provided that if the bill amount for a billing cycle is payable by the consumer, then the same shall be paid by the consumer within the due date of the bill.

Provided further that if bill amount for a billing cycle is payable by the distribution licensee, then the same shall be paid to the consumers within the due date.

5.4. Group Net Metering

5.4.1. The consumer shall set up a Solar PV Plant to offset the electricity consumption of more than one electricity service connections of the same name and same consumer category located within the area of supply of the same distribution licensee.

5.4.2. The distribution licensee shall undertake the meter reading of the bidirectional meter as per regular billing cycle. The readings at the generation point and the consumer's installations shall be carried out on the same date.

5.4.3. The energy generated from the Solar PV Plant shall be credited in the electricity bill of each participating connections, for each billing cycle, as per the priority indicated in the GNM agreement with the distribution licensee. The sequence of priority for adjustment shall be deemed to begin with the service connection where the Solar PV Plant is located.

5.4.4. Where the export of units during any billing cycle exceeds the import of units at the connection where Solar PV Plant is located, such surplus units injected into the grid shall be adjusted against the energy consumed in the monthly bill of service connections in a sequence indicated in the priority list provided by the Consumer. The sequence of priority for adjustment shall be deemed to have begun with the service connection where the Solar PV Plant is located.

5.4.5. The priority list for adjustment of the balance surplus energy against other electricity connections may be revised by the Consumer once at the beginning of each financial year with an advance notice of 2 (two) months.

5.4.6. 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 similar time blocks in the same billing cycle of the Consumer where the Solar PV Plant is located, and any surplus units injected shall be adjusted against the energy consumed in the monthly bill of service connections in a sequence indicated in the priority list provided by the Consumer, as if the surplus generation/ Energy Credits occurred during the off peak time block for Time of Day (ToD) Consumers and normal time block for Non-ToD Consumer.

5.4.7. Where during any billing cycle, the export of units either in peak or off-peak hours exceeds the import of units by the electricity service connections, such surplus units injected by the Consumer shall be purchased by the Distribution Licensee at 75% of the generic tariff applicable to Distributed Solar PV (DSPV) Plants, determined by the Commission and the amount settled to the Consumer at the end of a billing month.

5.4.8. The service connection where Solar PV Plant is located, shall consume at least 20% of total energy generated by Solar PV system. The equivalent units (that is 20% of generated solar power), which are not consumed at source connections, shall be considered as lapsed energy.

5.4.9. The consumer opting for GNM shall install smart meters at his cost, both at generation end and consumer metering points.

5.4.10. GNM arrangement serves as an alternative to conventional Open Access and is subject to applicable Open Access charges as per the relevant Regulations/Orders of the Commission issued from time to time. However, the consumers are exempted from these charges when the energy generated and consumed is within the same distribution transformer/11kV feeder.

5.5. Virtual Net Metering

5.5.1. A group of two or more consumers from the same consumer category located within the area of supply of the Distribution Licensee may set up Solar PV Plant to offset their electricity consumption.

5.5.2. The distribution licensee shall undertake meter readings of the Generation Meter and the installations of the participating consumers on the same date as per regular billing cycle.

5.5.3. The energy generated from the Solar PV Plant shall be credited in the monthly electricity bill of each participating consumers as per the ratio of procurement from Solar PV Plant indicated under the VNM agreement entered into by the Consumers and submitted to the distribution licensee.

5.5.4. The Consumers shall have the option to change the share of credit of electricity from Solar PV Plant by submitting a fresh agreement subject to the ratio of procurement from Solar PV Plant indicated under the VNM agreement entered into by the Consumers once at the beginning of the financial year with an advance notice of 2 (two) months.

5.5.5. One person among the participating consumers shall take the Responsibilities of the Lead Person such as :

a) He/she shall be one of the participating consumers under Virtual Net Metering and be a signatory to Virtual Net Metering Agreement on behalf of participating consumers.

b) He/she shall act as a Nodal person for all correspondence with Distribution Licensee.

c) Any change in the Lead Person has to be communicated in writing with approval from all the participating consumers.

5.5.6. Where the service connection of any participating consumers is disconnected due to any reason under any law for the time being in force, the unadjusted units/remaining credits of that consumers shall be treated as lapsed energy.

5.5.7. 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 similar time blocks in the same billing cycle of the participating consumers. Any surplus generation over consumption in any time block in a billing cycle shall be accounted as if the surplus generation/ Energy Credits occurred during the off-peak time block for Time of Day (ToD) Consumers or normal time block for Non-ToD Consumers.

5.5.8. Where the units credited during any billing cycle of any participating Consumer exceeds the import of units by that consumer, such surplus units remaining at the end of each month shall be purchased by the Distribution Licensee at 75% of generic tariff applicable to Distributed solar PV (DSPV) Plants as determined by the Commission and amount settled to the Consumers at the end of a billing month.

5.5.9. The consumers opting for VNM, shall install smart meters at their cost, both at generation point and participation consumers' end.

5.5.10. VNM arrangement serves as an alternative to conventional Open Access and is subject to applicable Open Access charges as per the relevant Regulations/Orders of the Commission issued from time to time. However, the Commission decides to exempt consumers from these charges when the energy generated and consumed is within the same distribution transformer/11kV feeder.

5.6. Behind the Meter

5.6.1. The consumer may set up DSPV Plant for the self-consumption and shall not sell electricity generated by DSPV Plant to the distribution licensee.

5.6.2. The DSPV Plant connected behind the Consumer's meter, operating in parallel with the Distribution Licensee's grid, shall be allowed only after prior intimation to the respective distribution licensee.

Provided that, the Consumer shall be responsible for ensuring that all necessary safety measures/standards as specified by CEA are complied with.

5.6.3. In case, the Consumer installs DSPV without prior intimation, in such cases the consumer shall intimate about the same to the respective distribution licensee within a timeframe of 3 (three) months. Failure to intimate within stipulated timeframe shall attract one time penalty of INR 1000/kW of installed DSPV Plant capacity or as determined by the Commission in its Orders issued from time to time.

5.6.4. The Consumer shall install reverse power flow relay to ensure that no energy is injected into the grid from such DSPV Plant installed behind the Consumer's meter.
Provided that, any quantum of energy injected by such DSPV Plant connected behind the Consumer's meter shall be considered as inadvertent injection and shall neither be paid for nor settled by the distribution licensee and penalty shall be levied on such inadvertent injection as determined by the Commission under the relevant Regulations.

5.7. Late Payment Surcharges

For any late payments by the Distribution Licensee under Net metering, Gross metering, Net billing, VNM, GNM, Late Payment Surcharge shall be applicable as per the Electricity (Late Payment Surcharge and Related Matters) Rules, 2022 as amended from time to time.

6. Grid Support Charge:

The Commission may determine in its orders from time to time the "Grid Support Charge" that may be levied on the energy generated by DSPV Plant/Solar PV Plant.

7. Subsidies

The eligible consumers are entitled to avail of the applicable subsidies as per MNRE's as well as State Government's notifications/guidelines issued from time to time.

8. Hosting Capacity and Interconnection with the grid

8.1. The cumulative capacity of DSPV Plant/Solar PV Plant allowed to be interconnected with the distribution network (feeder/distribution transformer) shall not exceed the capacity as specified in the KERC Distribution Code/KERC Grid Code/ Conditions of Supply of Electricity of Distribution Licensees in the State of Karnataka (COS) /the KERC Regulations relating to Supply of Electricity or relevant regulations as applicable.

Provided that the feeder or transformer mentioned above, considered for the purpose of calculating the hosting capacity, shall mean the feeder or transformer.

8.2. Each DSPV/SPVplant of less than 150kW capacity shall be connected only to the existing distribution transformer through which the eligible consumers are being supplied electricity. In such cases, the total capacity of the existing and proposed DSPV/SPV plants on that distribution transformer shall not exceed 80% of the rated capacity.

8.3. The Distribution Licensee while evaluating the technical feasibility of any proposed DSPV plant/SPV plant, shall ensure that the above said parameters are adhered to and any system improvement works beyond interconnection point shall be taken up by the Distribution Licensee for the purpose of connecting the DSPV plant/Solar PV plant with the grid.

8.4. The Distributed Solar PV plants/Solar PV plants shall be connected to the network at the connectivity level as specified in KERC Grid Code/ KERC Distribution Code/ COS /the KERC Regulations relating to Supply of Electricity / the relevant KERC Regulations.

8.5. Service Line and associated network development upto the interconnection point shall be borne by the participating consumer(s).

9. Technical Standards and Safety

9.1. The DSPV plant/SPV plant with associated equipment shall comply with CEA(Measures relating to Safety and Electric Supply) Regulations, 2023/ CEA (Technical Standards for Connectivity of the Distributed Generation Resources) Regulations 2013 /CEA (Technical Standards for Construction of Electrical Plants and Electric Lines) Regulations, 2022 /KERC Grid Code/Distribution Code/ COS /the KERC Regulations relating to Supply of Electricity /relevant Regulations and subsequent amendments to the Regulations;

Provided that the Distribution Licensee shall ensure that, the Inverters are complied with relevant IEEE and IEC or IS standards, for uniformity, safety, and reliable integration of DSPV plant/SPV plant to the grid.

9.2. The prosumer opting for net metering or net billing or group net metering, shall be responsible for safe operation, maintenance and rectification of any defect of the DSPV plant/SPV plant up to the point of bidirectional meter, beyond which the responsibility of safe operation, maintenance and rectification of any defect in the system, including the bidirectional meter, shall be that of the distribution licensee.

9.3. In case of gross metering and virtual net metering, the consumer shall be responsible for safe operation, maintenance and rectification of any defect of the DSPV plant/Solar PV plant up to the point of generation meter.

9.4. The distribution licensee shall have the right to disconnect the DSPV system/ SPV system at any time in the event of threat/damage from such DSPV system/SPV system to its distribution system to prevent any accident or damage, without any notice.

When the DSPV/SPV system is disconnected, the distribution licensee shall within 24 hours of such disconnection call upon the prosumer to rectify the defect and immediately on such rectification the licensee shall restore the connection to the DSPV/SPV system concerned.

9.5. The eligible consumer shall be solely responsible for any accident to human being/animal whatsoever (fatal/non-fatal, Departmental/Non- Departmental) that may occur due to back feeding from the DSPV/SPV system when the supply from distribution network is switched off. The Distribution Licensee reserves the right to disconnect the DSPV/SPV system at any time in the event of such exigencies to prevent accidents.

9.6. The consumer shall be responsible for taking adequate safety measures to prevent battery power/diesel generator power/ backup power extending to distribution network on failure of Distribution Licensee's grid supply.

9.7. The Distribution Licensee shall have the right to disconnect the DSPV Plant/SPV Plant from network at any time in the following circumstances:

i) Any emergency or maintenance requirement on the distribution system;

ii) Hazardous conditions occurring on the Distribution system due to operation of DSPV Plant/SPV Plant;

iii) Adverse electrical effects, such as power quality problems, on the electrical equipment of the other consumers of the distribution licensee caused by generation from the DSPV Plant/SPV Plant.

9.8. DSPV system/SPV system and associated equipment shall be designed so that the failure of any single device or component shall not potentially compromise the safety and reliability of the distribution system.

9.9. The distribution licensee may require the eligible consumer to provide a manually operated isolating switch between his DSPV system/SPV system and the distribution system, which shall meet the following requirements

(a) Separation of DSPV system/SPV system from the distribution system;

(b) Indications to clearly show open and closed positions;

(c) Quick and convenient accessibility twenty four hours a day to the Distribution licensee's personnel without requiring clearance from the eligible consumer, and

(d) Necessary locking arrangements in the open position.

10. Metering Infrastructure

All meters installed at the DSPV system/SPV system shall comply with the CEA (Installation and Operation of Meters) Regulations, 2006 and subsequent amendments thereof.

10.1. All meters shall have Advanced Metering Infrastructure (AMI) facility with RS 485 (or higher) communication port or any other advance communication facility.

10.2. In case of net metering, net billing and group net metering, the interconnection point shall be at the prosumer side of the bidirectional meter.

Provided that, the eligible consumer is allowed to provide at his option a static/digital meter (existing/new) for solar generation with an add-on communication module as per the KERC (Smart Modules for Existing Digital/Static Meters) Guidelines, 2024 dated 26.08.2024 or a Smart meter to record the solar generation.

10.3. In case of gross metering and virtual net metering, the interconnection point shall be at the DSPV/SPV side of the Generation meter.

10.4. The bi-directional meters under net metering, net billing, group net metering (on prosumer end and participating service connections end), gross metering and virtual net metering (at generation end and participating consumers end) shall be Smart meters.

10.5. In case of behind the meter, the DSPV system shall be connected behind the Consumer's meter.

10.6. The generation and bidirectional meter(s) shall be installed by the distribution licensee at the cost of the Consumer.

10.7. The distribution licensee shall undertake meter testing before installation to ensure accuracy of the meter.

10.8. The meter shall be tested or checked as per the COS /the KERC Regulations relating to Supply of Electricity or relevant regulations as applicable.

10.9. If the eligible consumer is under the ambit of time-of-day tariff, both generation and bi-directional meters shall be capable of recording time of day consumption/ generation.

11. Energy Accounting during Meter Defect/Not recording/Burnt out

11.1. In case of defective/not recording/burnt condition of any meter (generation meter/ prosumer meter/ participating consumer meters/ participating service connection meters as the case may be) shall report the failure, to the distribution licensee in the format prescribed by the distribution licensee.

11.2. The distribution licensee shall replace the meter as specified in COS /the KERC Regulations relating to Supply of Electricity and amendments thereof.

11.3. If any meter other than generation meter or the prosumer DSPV/SPV bi-directional meter is faulty, such electricity consumption shall be computed as specified in the COS /the KERC Regulations relating to Supply of Electricity /relevant KERC Regulations and amendments thereof.

11.4. If the DSPV/SPV meter or the Prosumer meter is defective/not recording/ burnt, during such period, the distribution licensee shall calculate the energy generated on the basis of DSPV/SPV installed capacity for extending the solar energy generation benefits by considering 19% CUF or if available, analyze historical energy generation/consumption data/excess energy exported to the grid, trends and patterns in energy generation to estimate current energy generation levels.

Provided such meter shall be replaced within the prescribed time period as mandated under COS /the KERC Regulations relating to Supply of Electricity as amended from time to time.

12. Online Application Process & Timelines for DSPV under Net Metering/Gross Metering/Net billing mechanism :

12.1. Submission of online application, execution of PPA and timelines to be followed by Distribution Licensees and the consumers shall be as follows:

i) The execution of separate PPA for LT Consumers upto and inclusive of 150 kW shall not be required. All terms and conditions specified in these Regulations shall be part of the application.

ii) Distribution Licensee shall facilitate for submission of online application.

iii) The submission of online application/timelines for 1kW to 150 kW is as detailed in the below table:

SL. No.	Activity	Responsibility	Timeline
1	Submission of Online Application which includes terms and conditions of these Regulations. The submission of application is deemed be the approval to commence the work and agree to abide by the terms and conditions of these Regulations.	Consumer/ Distribution Licensee	Zero Date
Note: The terms and conditions as per these Regulations and letter of approval to execute the work shall form part of the application. The consumer shall upload the work completion report within the timelines.			
2	Online uploading of Work Completion Report by the Consumer.	Consumer	150 (one hundred and fifty) days from the date of uploading/ submission of application.
3	Inspection by Distribution Licensee officials for commissioning the project, after receipt of work completion report from the consumer.	Distribution Licensee	Within 5 (five) working days from the receipt of work completion report, after ensuring satisfactory completion of work. If the plant is not commissioned within 5 days from the date of work completion report, the concerned officer shall be liable to pay penalty of Rs.1000 per day, till the date of commissioning, to the applicant. After five days of work completion, in case the plant is not commissioned, the consumers are entitled to deemed generation benefit.
4	Commissioning of Distributed Solar PV System in case work completion is delayed by the Consumer	Consumer/ Distribution Licensee	In case of delay of more than 6 (six) months, the tariff payable shall be lower of the : i) Tariff agreed to in the agreement/application OR ii) Any revised tariff, determined by the Commission, prevailing on the date of commissioning OR iii) 90% of the tariff agreed to in the agreement/application
5	Billing Process	Distribution Licensee	30 days from the date of commissioning of the DSPV Plant.

iv) The submission of online application/timelines for above 150 kW upto 1000 kW for net metering and upto sanctioned load for Net billing and Gross metering is as detailed below:

SL. No.	Activity	Responsibility	Timeline
1	Submission of Application online.	Consumer	Zero Date.
2	Acknowledgment of Application by Distribution Licensee.	Distribution Licensee	Within 03 (three) working days from zero date.
3	Site verification/ Technical Feasibility & Issuance of Letter of Approval /Rejection of application.	Distribution Licensee	Within 10 (ten) working days from the date of acknowledging the application.
4	Execution of PPA (Including counter signature by the controlling officer.)	Distribution Licensee & Consumer	Within 5 (five) working days from the date of issuance of Letter of Approval.
5	Submission of Works Completion Report by the Consumer.	Consumer	150 (one hundred and fifty) days from the date of execution of PPA.
6	Inspection by Distribution Licensee officials for commissioning the project, after receipt of work completion report from the consumer.	Distribution Licensee	Within 5 (five) working days from the receipt of work completion report, after ensuring satisfactory completion of work. If the plant is not commissioned within 5 days from the date of work completion report, the concerned officer shall be liable to pay penalty of Rs.1000 per day, till the date of commissioning, to the applicant. After five days of work completion, in case the plant is not commissioned, the consumers are entitled to deemed generation benefit.
7	Commissioning of Distributed Solar PV System in case of delay in submission of work completion report by the consumer.	Consumer/ Distribution Licensee	In case of delay of more than 6 (six) months, the tariff payable shall be lower of the : i) Tariff agreed to in the agreement/application OR ii) Any revised tariff, determined by the Commission, prevailing on the date of commissioning OR iii) 90% of the tariff agreed to in the agreement/application

8	Billing Process	Distribution Licensee	30 days from the date of commissioning of the DSPV Plant.

13. Online Application Process and Timelines for Solar PV under Virtual Net Metering/ Group Net Metering mechanism :

13.1. Submission of online application, execution of VNM PPA/ GNM PPA, shall be as per Standard Operating Procedure (SOP) prepared by BESCOM and approved by the Commission.

14. Information to the Consumers on Distribution Licensee(s) website:

14.1. The Distribution Licensee shall prominently display on its website and web-portal, the following; namely:-

- detailed standardized procedure for installation and commissioning of DSPV/SPV system under different metering mechanism under these regulations;
- Standard agreements for different metering mechanism defined under these regulations;
- The list of service providers for the benefit of consumers who want to install DSPV Plant through service providers;
- financial incentives to the prosumers, as applicable under various schemes and programs of the Central and State Governments.
- Record of capacity of DSPV/SPV system approved and DSPV/SPV system installed under different metering mechanism.
- Matters related to subsidy application shall be dealt with, by the Nodal Agency appointed by Ministry of New and Renewable Energy & State Government from time to time as per respective scheme guidelines.

15. Other Provisions:

15.1. The eligible consumers under net metering/ gross metering / net billing mechanism are allowed to install DSPV Plant up to and inclusive of 10 kW sanctioned load, a capacity tolerance of up to 10 percent for the applied system capacity (DC), subject to condition that the AC capacity of the inverter shall not exceed the sanctioned load.

Illustration 1: For a 5 kW of sanctioned load, DC Capacity of DSPV Plant having 540 W modules, the consumer can install 9 modules (totaling 4.86 kW DC capacity), or he can install 10 modules (totaling 5.4 kW DC capacity), staying within the allowable tolerance of 10 percent. However, the AC capacity of the inverter is limited to 5 kW only.

Illustration 2: For a 10 kW of sanctioned load, DC Capacity of DSPV system having 540 W modules, the consumer can install 18 modules (totaling 9.72 kW DC capacity), or he can install 20 modules (totaling 10.80 kW DC capacity), staying within the allowable

tolerance of 10 percent. However, the AC capacity of the inverter is limited to 10 kW only.

15.2. The eligible Consumers are allowed to use the hybrid grid tied inverter with the battery to the DSPV/SPV system.

Provided that, in cases of grid integrated DSPV/SPV also having facility of Diesel Generator at Consumer's facility, the consumers are allowed to use on-grid-tied inverters/ hybrid inverters to take a reference voltage from the diesel generator(DG) in the absence of the grid. There are some stipulations that unlike grid, the surplus solar energy cannot be added into the generator because it is not built to receive power. Back feeding energy in a generator can not only damage the device but also pose a fire risk. The consumer can make arrangements for optimum functioning and maximum fuel saving by running a generator at least 30% of its capacity by using any smart device which communicates to both with the diesel generator and solar inverter to power the DSPV/SPV system and shall be a zero export device. The smart device/synchronizer will make sure that the generator runs upto 30% of its capacity to start generation from the DSPV/SPV system. If the solar system produces excess power, the device will limit its generation and ensure that no electricity is being fed to the DG/back fed to the grid. Before commissioning of the DSPV/SPV plant with DG, the consumer shall get safety approval from CEIG, as notified by the Government from time to time.

15.3. The eligible consumer under net metering/gross metering/net billing is allowed for installation of multiple DSPV units or a single DSPV unit with the combined installed capacity in a premises not exceeding the combined sanctioned load/ capacity limits for respective metering mechanism, within his premises.

Provided that the consumer of the existing DSPV Plant agrees to cancel the existing PPA and enters into a new PPA.

Provided further that the tariff applicable shall be 90 percent of existing PPA tariff or the prevailing tariff as determined by the Commission, whichever is lower.

15.4. The following table is to understand the metering arrangements under net metering/gross metering/net billing for the consumers in case of single or multiple DSPV units within the premises:

SL. No.	Registered Consumer in a premises	Details of DSPV Units		Metering Arrangements (Net metering/ Gross metering / net billing)
1	Single registered consumer or multiple registered consumers	No existing DSPV unit	Wants to install individual DSPV units	Net metering/ Net billing/ Gross metering

2	Single registered consumer with multiple installations in his name	No existing DSPV unit	Wants to install single DSPV unit not exceeding the total combined sanctioned load or capacity limits allowed in these Regulations for respective metering mechanism, of all the installations of the registered consumer and with billing on one chosen installation.	Net metering/ Net billing/ Gross metering
3	Multiple Registered consumers with multiple installations	No existing DSPV unit	Wants to install single DSPV unit with installed capacity not exceeding the total combined sanctioned load of all such installations subject to nomination of any one consumer in whose name the gross metered energy is to be billed.	Gross
4	Multiple Registered consumers with multiple installations	Few consumers having individual existing DSPV units and other consumers with no existing DSPV units	The other consumers who want to install individual DSPV units with the capacity of each such unit not exceeding the sanctioned load or capacity limits allowed in these Regulations for respective metering mechanism, shall be as per the procedure laid out in Regulation 12. Provided that, for any additional DSPV capacity to the individual existing DSPV unit, the consumer shall cancel the existing PPA and enter into new PPA for the total DSPV capacity. The tariff applicable shall be 90 percent of the existing PPA or the prevailing tariff as determined by the Commission, whichever is lower.	Net metering / Net billing/ Gross metering

Note: "PPA" in the above table shall mean "application" for DSPV capacity upto and inclusive of 150 kW.

15.5. For reduction of contracted demand/sanctioned load of a existing consumer up to a DSPV plant capacity or for increase in contracted demand/sanctioned load of a consumer without increase in DSPV plant capacity, the execution of new PPA shall not be required. The PPA tariff and term of the agreement shall continue as per existing PPA.

15.6. **Shifting of DSPV system of a consumer to his new location:** If the Consumer who has invested in DSPV system with net-metering /net billing/gross metering in a place, decides to shift his DSPV system to his new location, in such cases the Consumer is allowed to shift the DSPV system to a new place in the jurisdiction of the same Distribution Licensee and continue the same PPA for remaining PPA term, subject to limiting the DSPV system capacity to the original sanction. In case the sanctioned load of the consumer at new location is less than the capacity of the DSPV plant to be installed at the new location, the consumer shall get his sanctioned load increased before commissioning of the DSPV plant, in accordance with the provisions of the COS /the KERC Regulations relating to Supply of Electricity /relevant Regulations relating to supply of electricity issued by the Commission.

Provided that, if the new location has already an existing DSPV plant, then such DSPV capacity addition shall be treated as per Regulation 15.3. In case the sanctioned load of

the consumer at new location is less than DSPV capacity if combined with the existing DSPV at new location, then the consumer shall get his sanctioned load increased before commissioning of the DSPV plant, in accordance with the provisions of the COS /the KERC Regulations relating to Supply of Electricity / relevant Regulations relating to supply of electricity, issued by the Commission.

15.7. The PPAs/SPPAs of DSPV Plants, under net metering/ net billing/ gross metering arrangement executed as per the standard PPA/SPPA format, shall be considered as deemed to have been approved by the Commission and the Distribution Licensees are not required to obtain a separate approval thereon.

15.8. The PPAs executed under VNM/GNM with Solar PV capacity below 1000 kW shall be deemed to be approved by the Commission.

Provided that, the Distribution Licensees shall obtain Commission's approval for PPAs executed under VNM and GNM with SPV capacity of 1000 kW and above.

15.9. PPAs executed by Distribution Licensee and the prosumer can be terminated with an advance notice of one month by the Consumer to the Distribution Licensee.

16. Tariff determination for Solar PV projects / DSPV projects :

16.1. The Commission shall determine the generic tariff for DSPV and Solar PV projects from time to time. The Commission shall determine tariff for MW scale solar projects on bidding route based upon the project proposals. The following parameters shall be applicable for determination of generic tariff for Solar PV projects/DSPV projects:

(1) **Capacity Utilization Factor (CUF):** The CUF for Solar projects shall be 19 percent. Provided that the Commission may adopt any other CUF based on the availability of reliable data/project proposals.

(2) **Tariff Structure:** The generic tariff for Solar PV plants/DSPV system shall be a single part tariff consisting of following fixed cost components:

a) Operation and maintenance
b) Depreciation
c) Interest on Loan capital
d) Return on Equity
e) Interest on Working capital

(3) **Tariff period and tariff design:** The Tariff period shall be equivalent to the useful life of the plant which shall be 25 years or such other period as may be decided by the Commission. The tariff shall be determined on levelized basis. For the purpose of levelized tariff computation, the discount factor equivalent to Post Tax weighted average cost of capital shall be considered.

(4) **Capital Cost:** The norms for the Capital cost shall be inclusive of the cost of all capital works including plant and machinery, civil work, erection and commissioning, financing and interest during construction, and evacuation infrastructure up to inter-connection point.

(5) **Debt Equity Ratio:** For the determination of generic tariff, the debt equity ratio shall be 70:30 or such other ratio as may be decided by the Commission from time to time.

(6) **Loan and Finance Charges:**

(a) For the purpose of determination of generic tariff, loan tenure of 13 years or such term equivalent to recover 70 percent of the capital cost shall be considered. The amount of loan arrived at in the manner indicated in these Regulations shall be considered as normative loan for calculation of interest on loan.

The normative loan outstanding as on first day of April of every year shall be worked out by deducting the annual loan repayment up to thirty first day of March of the previous year from the normative loan. The interest on loan capital shall be computed on the average loan based on opening and closing balances of loans for the financial year.

(b) For the purpose of computation of tariff, the normative interest rate shall be considered on the basis of prevalent State Bank of India Marginal Cost of Funds-based Lending Rate (MCLR) applicable for three (3) years plus additional basis points of 200 points or as may be decided by the Commission from time to time.

(c) Notwithstanding any moratorium period availed by an eligible consumer, the yearly repayment of loan shall be considered from the first year of commercial operation of the project and shall be equal to the annual depreciation allowed.

(7) **Depreciation:**

(a) The value base for the purpose of depreciation shall be the Capital cost of the asset admitted by the Commission. The depreciation shall be allowed up to maximum of 90 percent of the Capital Cost of the asset and salvage of the asset shall be considered as 10 percent of the Capital Cost.

(b) Depreciation shall be based on "Differential Depreciation Approach" over the loan period and over useful life of the DSPV plant/Solar PV plant beyond the loan tenure computed annually on 'Straight Line Method'.

(8) **Return on Equity:** The value base for the equity shall be 30 percent of the capital cost and the normative Return on Equity shall be as may be decided by the Commission from time to time.

(9) **Interest on Working Capital:**

(a) The Working Capital shall be computed considering the following components:

(ii) Receivables equivalent to 1 (one) month for receivables DSPV projects / Solar PV projects and 2 (Two) months receivables for ground mounted megawatt scale projects on bidding route for energy charges for sale of electricity calculated on the normative CUF or as decided by the Commission from time to time.

(b) The Interest on Working Capital shall be at a rate equivalent to the prevalent State Bank of India Marginal Cost of Funds-based Lending Rate (MCLR) applicable for 1 (one) year plus additional basis points of 250 points or as may be decided by the Commission from time to time.

(10) **Operation and Maintenance Expenses:** Operation and Maintenance or O&M expenses shall be equivalent to 1 (one) percent of the capital cost or as determined by the Commission from time to time. The Normative O&M expenses allowed for the first year of the operation period shall be escalated at the rate of 5.72 percent per annum.

(11) **Taxes on Income:** Tariff determined under these regulations shall be exclusive of Income tax payable on Return on Equity annually. Such Income Tax, levied by the Central Government, shall be borne by the eligible consumer

17. Consumption Obligations

17.1. The quantum of electricity purchased by the distribution licensees as applicable under gross-metering or Net metering, Net billing, VNM, GNM from the DSPV plants/Solar PV plants in their respective areas shall qualify towards their compliance of Renewable Purchase Obligation (RPO)/Renewable Consumption Obligation (RCO).

17.2. If the DSPV Plant/Solar PV Plant is set up by DCs (Designated Consumers) or Open Access Consumers or Captive Users, entire renewable energy generated by these renewable energy systems shall be accounted to meet RPO/RCO by the DCs or Open Access Consumers or Captive Users.

17.3. The quantum of electricity consumed by the Eligible Consumer from the DSPV System/Solar PV system under the Net Metering arrangement or other Metering arrangements under these Regulations shall, if such Consumer is not an Obligated Entity, qualify towards meeting the RPO/RCO of the Distribution Licensee.

17.4. In respect of DSPV/SPV plants installed and commissioned by the distribution licensee(s) on any Government Building under funds provided by the Government, the entire energy generated by the DSPV/SPV plant shall qualify towards their compliance of Renewable Consumption Obligation of the distribution licensee(s).

18. Eligibility to Participate under Renewable Energy Certificate (REC) Mechanism

The issuance of Renewable Energy Certificate shall be as per the eligibility criteria specified under Central Electricity Regulatory Commission (Terms and Conditions for Renewable Energy Certificates for Renewable Energy Generation) Regulations, 2022 and subsequent amendments thereof, if any.

19. Power to Issue Order and Directions

The Commission may from time to time issue such directions and orders as considered appropriate for implementation of these Regulations.

20. Power to Relax

The Commission may by general or special order, for reasons to be recorded in writing, and after giving an opportunity of hearing to the parties likely to be affected, may relax

any of the provisions of these Regulations on its own motion or on an application made before it by an interested person.

21. Power to Amend

The Commission may from time to time add, vary, alter, suspend, modify, amend or repeal any provisions of these Regulations.

22. Power to Remove Difficulties

If any difficulty arises in giving effect to the provisions of these Regulations, the Commission may, by suo-motu orders or otherwise, by general or special orders not inconsistent to the provision of the Act direct Distribution Licensee(s), Consumers, Prosumers to take such action as may appear to the Commission to be necessary or expedient for the purpose of removing such difficulty.

23. Disputes

23.1. All disputes and complaints relating to Grid Interactive Distributed Solar PV Plants /Solar PV Plants shall be raised before the Distribution Licensee, which may investigate and endeavour to resolve such disputes and complaints.

23.2. If the Distribution Licensee is unable to resolve the DSPV/SPV system's Consumer or Prosumer complaints/ disputes, a petition may be preferred before the Commission for the dispute resolution.

24. Repeal and Savings

24.1. Save as otherwise provided in these regulations, the KERC (Implementation of Solar Rooftop Photovoltaic Power Plants) Regulations, 2016 shall stand repealed from the date of coming into force of these regulations.

24.2. Notwithstanding such repeal, anything done or purported to have been done under the repealed Regulations shall be deemed to have been done or purported to have been done under these Regulations.

24.3. Consumers who have availed metering mechanism for their installed DSPV/Solar PV systems in the State on the date of coming into force of these Regulations under an existing Agreement/PPA or contract shall be deemed to have been continued under these Regulations, to avail such metering mechanism to the DSPV plant/Solar PV plant on the same terms and conditions as stipulated under such existing Agreement or contract:

Provided that the eligible Consumers who have applied for metering mechanism for installation of DSPV plant/Solar PV plant in the State under the repealed Regulations and whose Application is under process as on the date of coming into force of these Regulations, shall be processed under the provisions of these Regulations.

24.4. Nothing in these Regulations shall, expressly or impliedly, bar the Commission from dealing with any matter or exercising any power under the Act for which no Regulations have been framed.

25. Interpretation

The decision of the Karnataka Electricity Regulatory Commission regarding interpretation of these Regulations shall be final and binding.

By Order of the Commission

Secretary
Karnataka Electricity Regulatory Commission

PD-118

ಕರ್ನಾಟಕ ಸರ್ಕಾರ

ಸಂಖ್ಯೆ:ಲೋಇ 24 ಎಸ್‌ವಿಬಿ 2026

ಕರ್ನಾಟಕ ಸರ್ಕಾರ ಸಚಿವಾಲಯ,
ಡಾ. ಬಿ.ಆರ್. ಅಂಬೇಡ್ಕರ್ ವೀಧಿ,
ವಿಕಾಸಸೌಧ,
ಬೆಂಗಳೂರು, ದಿನಾಂಕ:23.07.2026.

ಅಧಿಸೂಚನೆ

ವಿಷಯ: ದಿನಾಂಕ:01.01.2025 ರಿಂದ 31.12.2025 ರ ಅವಧಿಗೆ ದಿನಾಂಕ: 01.01.2026 ರಲ್ಲಿದ್ದಂತೆ ವಾಸ್ತುಶಿಲ್ಪಿ ಇಲಾಖೆಯ ಉಪ ಮುಖ್ಯ ವಾಸ್ತುಶಿಲ್ಪಿ (ಗ್ರೂಪ್-ಎ) ವೃಂದದ ಅಂತಿಮ ಜೇಷ್ಠತಾ ಪಟ್ಟಿಯನ್ನು ಪ್ರಕಟಿಸುವ ಬಗ್ಗೆ.

ಉಲ್ಲೇಖ: 1) ಸರ್ಕಾರದ ಅಧಿಸೂಚನೆ ಸಂಖ್ಯೆ: ಲೋಇ 02 ಎಸ್‌ವಿಬಿ 2018, ದಿನಾಂಕ: 18.06.2024.
2) ಸರ್ಕಾರದ ಅಧಿಸೂಚನೆ ಸಂಖ್ಯೆ; ಲೋಇ 22 ಸೇವಾಬ 2026, ದಿನಾಂಕ:09/01/2026.
3) ಸರ್ಕಾರದ ಅಧಿಸೂಚನೆ ಸಂಖ್ಯೆ; ಲೋಇ 24 ಸೇವಾಬ 2026, ದಿನಾಂಕ:23/03/2026.

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ಸರ್ಕಾರದ ಅಧಿಸೂಚನೆ ಸಂಖ್ಯೆ:ಲೋಇ 02 ಎಸ್‌ವಿಬಿ 2018, ದಿನಾಂಕ:18.06.2024 ರಲ್ಲಿ ವಾಸ್ತುಶಿಲ್ಪಿ ಇಲಾಖೆಯ ವೃಂದ ಮತ್ತು ನೇಮಕಾತಿ ನಿಯಮಗಳನ್ನು ರಚಿಸಿ ಆದೇಶಿಸಲಾಗಿದೆ.

ಉಲ್ಲೇಖ (2)ರ ಅಧಿಸೂಚನೆಯಲ್ಲಿ ವಾಸ್ತುಶಿಲ್ಪಿ ಇಲಾಖೆಯ ಉಪ ಮುಖ್ಯ ವಾಸ್ತುಶಿಲ್ಪಿ ವೃಂದದ ಅಂತಿಮ ಜೇಷ್ಠತಾ ಪಟ್ಟಿಯನ್ನು ದಿನಾಂಕ:01/01/2025 ರಲ್ಲಿದ್ದಂತೆ ಪ್ರಕಟಿಸಲಾಗಿರುತ್ತದೆ.

ಉಲ್ಲೇಖ (3)ರ ಅಧಿಸೂಚನೆಯಲ್ಲಿ ವಾಸ್ತುಶಿಲ್ಪಿ ಇಲಾಖೆಯ ಉಪ ಮುಖ್ಯ ವಾಸ್ತುಶಿಲ್ಪಿ ವೃಂದದ ತಾತ್ಕಾಲಿಕ ಜೇಷ್ಠತಾ ಪಟ್ಟಿಯನ್ನು ದಿನಾಂಕ:01/01/2026 ರಲ್ಲಿದ್ದಂತೆ ಪ್ರಕಟಿಸಲಾಗಿರುತ್ತದೆ. ಸದರಿ ಜೇಷ್ಠತಾ ಪಟ್ಟಿಯನ್ನು ಪ್ರಕಟಿಸಿ, ಸಂಬಂಧಪಟ್ಟ ಅಧಿಕಾರಿಗಳಿಂದ ಆಕ್ಷೇಪಣೆ/ಸಲಹೆಗಳನ್ನು ಸಲ್ಲಿಸಲು 15 ದಿನಗಳ ಕಾಲಾವಕಾಶವನ್ನು ನೀಡಲಾಗಿತ್ತು. ಸದರಿ