

Net Metering – from DISCO's Point of View

WORKSHOP ON NET METERING

November 28, 2016

Net Metering Procedure

1. Submission of application by the consumer

2. Technical review of application by DISCO

3. Signing of net metering agreement

4. Payment of interconnection charges by the consumer

5. sale/purchase of electricity

Overview and timeline of Net Metering process

Application for Net Metering

Applicant submits the application for the Net Metering along the required documents to the DISCO

Submission of Application

Acknowledgment of application

DISCO will receive the application and inform the applicant whether the application is complete in all respect

Within five (05) working days of receiving application

Incomplete application form

Incase of incomplete application form, applicant would have to provide the missing information to the DISCO

Within seven (07) working days of being informed

Overview and timeline of Net Metering process

Initial review

DISCO will perform an initial review to determine whether the applicant qualifies for the interconnection facility or not.

Initial review will be completed in twenty (20) working days



Technical feasibility in initial review

DISCO to review technical feasibility of facility, incase facility is infeasible DISCO to return the application communicating the reasons.

Within three (03) working days after the completion of initial review



Agreement

DISCO and applicant will enter into an agreement

Within ten (10) working days of review

Overview and timeline of Net Metering process

Generation license

DISCO will send the copy of agreement along with the application for the generation license to the NEPRA

Within seven (07) working days of signing of agreement



Connection Charge Estimate (CCE)

DISCO will give the demand draft for CCE to the applicant if any upgradation is required for interconnection.

Right after the agreement



Payment of CCE

Applicant will deposit the CCE

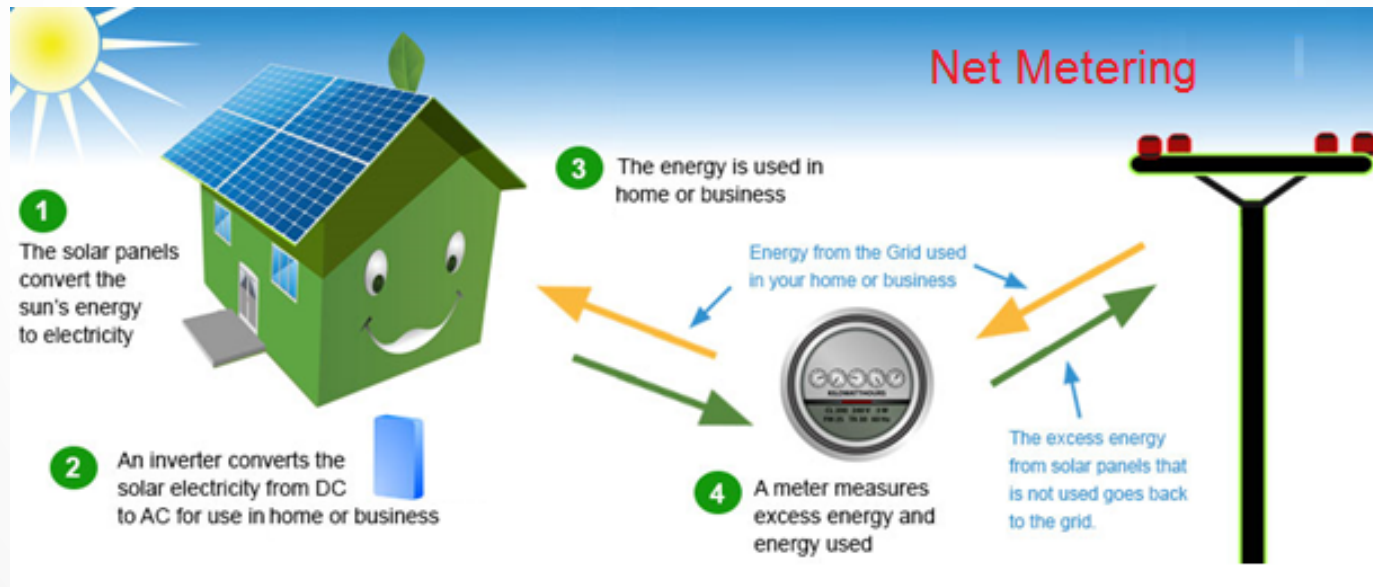
Within twenty (20) days of its issuance

Overview and timeline of Net Metering process

Installation of interconnection facility

DISCO will install and commission the interconnection facility

Within thirty (30) days of payment by the applicant



Net metering Interconnection Requirements

Initial requirements

for application process
and initial review by the
DISCO

Mandatory requirements

for technical feasibility
report by the DISCO

Initial requirements for Net Metering process

Technical feasibility requirements

- a. Capacity of transformer
- b. Upgrading the capacity of distribution network
- c. Phase balancing

NOC by Electrical inspector

NOC by electrical inspector should be provided by applicant along with the application form

Inverter standards

Inverters shall comply with UL 1741 standard

Load flow study

Load flow study for the facility having capacity greater than 10kW

Mandatory requirements for Net Metering process

Interconnection disconnect switch

Locked interconnection disconnect switch

Anti-islanding

Built-in anti-islanding feature of inverters

Single line diagram

Single line diagram for commissioning of interconnection facility

Earthing protection

- a. Equipment earth (DC)
- b. System earth (AC)

Lightning and surge protection

Separate grounding and lightning arrestors for larger systems

Operating Procedure of Net Metering Process

Billing procedure

- a. Customer will receive net import or net export bill
- b. For net import bill, DG will be billed for net kWh
- c. For net export bill, net kWh will be credited against next bill's import kWh
- d. If the bill is net export for three consecutive months then the customer will be paid by DISCO

Periodical inspector

- a. Meter will be tested every 6 months
- b. Inverter functionality will also be tested every 6 months
- c. Periodic test report shall be made by DISCO

Thank You

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