

## FREQUENTLY ASKED QUESTIONS (FAQs)

**Q1. Whether all consumers are eligible to install solar rooftop systems to avail net metering facility?**

Net metering facility is preferably allowed for 3 phase service consumers. However, Single phase consumers are also eligible for Net Metering on setting up of Solar Rooftop systems up to 5 kW. However, the maximum Rooftop Solar PV System capacity to be installed at any Eligible Consumer's premises shall be as under:

Sl No.	Type of Consumer	Maximum allowable Rooftop Solar PV System capacity to be installed
1	Residential and Government	100 % of the consumer's sanctioned load
2	Industrial, Commercial and Other Consumers	80 % of the consumer's sanctioned load

(Note: Rooftop Solar PV System installed capacity shall not be less than 1 kWp and shall not exceed 1 MWp).

**Q2. Is there any application?**

Yes, the application is available and can be downloaded from official website of TSNPDCL [www.tsnpdcl.in](http://www.tsnpdcl.in).

**Q3. Is there any application fee?**

Yes, an application fee shall be paid in the form of DD in favor of the concerned DE/op of TSNPDCL as per the categories as mentioned below:

System size	Applicable fee per connection
For all LT consumers	Rs.2,500/-
For all HT consumers (11 kV and 33 kV Level and or Installed capacity > 56 kW)	Rs.15,000/-

**Q4. Where should be the application form submitted?**

The filled in application along with requisite fee and documents should be submitted at concern division office with a copy to the ADE)/(Operation) if the consumer is under LT Category.

**Q5. What are all the documents to be submitted?**

1. Current month bill copy.
2. DD Rs.2,500/- for all LT consumers, Rs.15,000/- for all HT consumers in favor of the concerned DE/op of TSNPDCL
3. 2 Nos stamped self addressed envelopes.

In addition to above work completion report to be submitted to the concerned DE/op along with an Agreement on Rs. 200/- Non-Judicial Stamp paper. Agreement form can be downloaded from DISCOM website.

**Q6. How much space on my roof do I need for a solar PV installation?**

The grid connected system of 1 kW peak power capacity occupies about 10 sq. meters on the roof.

**Q7. How much electricity does a PV system generate?**

For every kW peak power installed on a South facing solar panel, the system will generate around 1000 to 1200 units in a year. This reduces by around 20% for an East or West facing solar panel.

**Q8. How much does a Solar PV system cost?**

The cost of the system varies with the capacity of the system, which ranges approximately between Rs.80, 000 to Rs.1, 10,000 per kWp including subsidy.

**Q9. Are there any grants / subsidy available?**

Please visit the following website of TNREDCL for details.

<http://tnredcl.telangana.gov.in/SOLARROOFTOPNETMETERING.aspx>

**Q10. Where shall I contact for subsidies?**

Please contact the TNREDCL office address shown below for any subsidies:

Regd.Office:5-8-207/2, Pishgah Complex, Nampally, Hyderabad - 500 001.(TS), TEL: +91-40-2320 1502 / 03, FAX: +91-40-2320 1504

**Q11. Do I need plan permission from the Municipal Authorities?**

The roof mounted systems do not need any permission.

**Q12. What is the minimum and maximum capacity allowed in net metering?**

The minimum capacity allowable is 1 kW and maximum allowable capacity allowed under net metering is 1000 kW

**Q13. Will my roof be strong enough?**

Most roofs are strong enough to take a solar installation without any reinforcement. However, in case of larger systems, it is suggested to obtain the opinion of a qualified Structural Engineer.

**Q14. Do I need to inform Power Utility (DISCOM)?**

Prior permission is to be taken from TSNPDCL to install the SPV system based on net metering.

**Q15. How much time will it take to give permission?**

Permission/Intimation will be issued within 21 days from the date of receipt of proper application.

**Q16. Who are the Vendors for installation of the system?**

Please visit the website of TNREDCL for vendor's details.

**Q17. How the billing and payments are made?**

- (i) The eligible consumer shall receive a net import/export bill indicating either net export to the grid or net import from the grid.
- (ii) In case of net import bill consumer shall settle the same as per existing tariff.
- (iii) In case of net export, the net units will be credited to eligible consumers Account (SC.No) which shall be carry forward and adjusted in the next month electricity bill and the eligible consumer will get monthly minimum bill.
- (iv) The unadjusted credited units will be settled twice in a year (June & December) with the average cost of power purchase as decided by TSERC for that year. The amount will be adjusted in the next month electricity bill or deposited in the bank account of the Eligible Consumer furnished at the time of filing of the application.

**Q18. Is CEIG approval compulsory?**

1. For installation capacity upto 75 KW shall be inspected, tested and self certified by the Eligible Consumer with regard to the safety and protection
2. For Rooftop Solar PV System having the capacity in excess of 75 kW shall insure the Rooftop Solar PV system and obtain the certificate from the Chief Electrical Inspector to the Government (CEIG), who shall test and certify the safety and protection.

**Q19. Is the existing Energy meter enough to avail the Net metering facility?**

No, a separate Bi-Directional meter is to be placed duly replacing the existing Energy meter. The rated capacity of Bi-Directional meter is to be as per Eligible consumer's sanctioned load/Contracted demand with the DISCOM.

**Q20. Whom to contact for any queries and grievances.**

You can contact the concerned DE/Op , ADE/Op or the DE/IPC/Corporate office.