

Government of Kerala  
Department of Electrical Inspectorate  
**Office of the Chief Electrical Inspector**  
Housing Board Buildings, Shanthi Nagar  
Thiruvananthapuram 695 001  
Phone: 0471 2331104 , 0471 2331159  
Email : [cei@ceikerala.gov.in](mailto:cei@ceikerala.gov.in)  
Web site: [www.ceikerala.gov.in](http://www.ceikerala.gov.in)



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File No. B2-9455/2021/CEI

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## CIRCULAR

Subject :- Installation of Solar Energy System - guide lines - clarification issued - regarding  
Reference :- Circular No. B2-12439/2020/CEI dated 14.10.2020.

For the effective implementation of Solar Projects, the following clarification on the above guide lines are issued.

### A. Guidelines for scrutiny / inspection of Solar Energy System

1. Up to 5kW solar plants, two numbers of earth electrodes are sufficient and LA shall be provided in lightning prone area.
2. Above 5kW and up to 100kW solar plants, three numbers of earth electrodes are sufficient and LA shall be provided.
3. These earth electrodes shall be interconnected to existing earth electrodes and total earth resistance shall be less than 5  $\Omega$ .
4. Equipotential bonding shall be done as per IEC TR 63227:2020.
5. Lockable CB/SFU shall be installed at the point of interconnection with the grid connected SPV system which should be accessible to the utility staff to isolate the system at the time of maintenance of distribution system.

Sd/-  
Chief Electrical Inspector

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1. All Deputy Chief Electrical Inspectors/Electrical Inspectors
2. All Technical Staffs.
3. CA to Additional Chief Electrical Inspector.
4. Stock.
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