



KERALA STATE ELECTRICITY BOARD LIMITED

(Incorporated under the Companies Act, 1956)

Reg: office: Vydyuthi Bhavanam, Pattom, Thiruvananthapuram - 695004, Kerala

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No. CMD/106/Empowered Committee/2022/ 57

Dated/ 2 .04.2022

CIRCULAR

Sub: Roof Top Plants (RTPs) - Testing Protocol - procedure to be followed- reg.-

Read Direction dated 05.04.2022 of the Chairman & Managing Director, Kerala State Electricity Board Limited

In view of the need to accelerate the ongoing RTP programme of KSEBL and ANERT in the State, an Expert Committee was constituted to address the issues and suggest solutions to the current site testing protocol of RTPs including the inverters used and the expert committee has made recommendations after due deliberations. After careful perusal and discussion with representatives of all agencies of Power Department, the following amendments are effected in the RTPs testing protocol immediately, as per the orders of the Hon'ble Chairman & Managing Director

1. Invertors used in RTPs upto the capacity of 50 kW be henceforth exempted from any grid connectivity testing by KSEBL, provided the invertors are BIS certified. The authorised personnel of KSEBL Electrical Section office shall conduct anti islanding test at site while connecting the same to the grid. In addition, 10% of the invertors erected in an Electrical Section shall be subjected to random testing separately and failure if any reported to REES for suitable action.
2. As per clause 15, 16 of the KSERC (Renewable Energy & Netmetering) Regulations, 2020, Net meter and Renewable Energy meter shall conform with the standards, specifications and accuracy class as provided by in CEA (Installation & Operation of Meters) Regulations, 2006 as amended from time to time and be installed in such a manner that they are accessible for reading.
3. Safety testing shall be conducted by the Electrical Inspectorate on RTPs of the capacity of 10 kWp and above only.
4. Upto 30 kWp no prior scheme approval is required and only completion report is to be filed with the Electrical Inspectorate for sanction for energization.
5. Random testing of grid tied invertors shall be performed on sample basis only. As genuine and meaningful testing of invertors can only be made in certified labs, samples shall be drawn/ procured from OEM/ Integrators/ Market and sent for testing in NABL approved labs. In case of failure in tests, the manufacturer /vendor need to replace all the already installed inverter units of same make & model, by successfully tested units, within a period of 6 months, failing which the vendor should be penalized suitably. KSEBL need to prepare an SoP in this regard on the random sampling selection and testing to be issued separately.
6. A time limit for commissioning of grid connected solar power plants upto 100 kWp shall be maximum 15 days from the submission of completion report of the solar plant to the concerned KSEBL Electrical Sections office.
7. All additional conditions insisted by KSERC, CEA, CERC or MNRE in addition to these shall be observed by erecting RTPs and getting sanction on the same. Inspection shall be conveyed by the Chief Engineer (REES) on the above


SECRETARY (ADMINISTRATION)

To,

The Chief Engineer (REES) /The Chief Engineers Distribution/ The Chief Engineer (T& SO)/The Chief Safety Commissioner/The Chief Vigilance Officer

Copy to:- TA to Chairman & Managing Director/TA to Director(Gen (Ele) /TA to Director(Dist & IT)/ TA to Director (Trans&SO)/TA to Director (Gen-Civil)/TA to Director(Planning,Safety & SCM)/ TA to Director(REES,Soura,Sports&Welfare) /Executive Engineer APTS, Trivandrum/ Kozhikode/ Executive Engineer, Relay Division, Trivandrum, Kalamassery/Kannur/ PA to Director(Finance),/Sr. CA to Secretary(Admn)/Company Secretary/Fair Copy Superintendent/ Library/ Stock file.