



KERALA STATE ELECTRICITY BOARD LIMITED

(Incorporated under the Companies Act, 1956)

Reg office: Vidyuthi Bhavanam, Pattom, Thiruvananthapuram - 695 004, Kerala

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ABSTRACT

Grid connectivity of solar plants -Delay in testing- orders issued.

Corporate Office (Renewable Energy and Energy Savings)

B.O. (FTD) No. 197 /2021 (CE (REES)/Re Projects/AEE6/Solar - General/2020-21/1416) Thiruvananthapuram, Dated 26.02.2021.

Read: -

1. BO(FTD)No.638/2018(CE(REES)/Projects/AEE6/Solar connectivity/ 2017-18) dated TVPM 09.03.2018
2. Office Order (CMD) No. 1043/2018 (CE (REES)/ESCOT/AEE6/Solar General/ 2018-19) TvpM dated 28.12.2018
3. Letter No. DB3/MTSD/SOC/KLY/2020-21/683 dated 23.10.2020 of the Deputy Chief Engineer, System Operation Circle, Kalamassery
4. Letter No. CESO/Tech/General/P/2020-21/2291 dated 28.12.2020 of the Chief Engineer, System Operation Circle, Kalamassery
5. Note No. CE (REES)/ RE Projects/AEE6/Solar -General/2020-21/1321 dated 28.01.2021 of the Chief Engineer (REES) submitted to the Chairman and Managing Director, KSEBL
6. Note No. CE (REES)/ RE Projects/AEE6/Solar -General/2020-21/1416 dated 12.02.2021 of the Chief Engineer (REES) submitted to the Full-Time Directors, KSEB (Agenda 77/2/21)

ORDER

The Deputy Chief Engineer, System Operation Circle, Kalamassery as per letter read as 3rd above has reported the excess work load of the Meter Testing Sub Division, Kalamassery with request for urgent remedial measures. It was reported that Meter Testing Sub Division, Kalamassery has more than 100 cases pending for testing of Solar inverters as on October 2020.

Considering the facts reported therein, the Chief Engineer (Renewable Energy & Energy Savings) as per note read as 5th above has recommended the following:

1. At present only APTS units Trivandrum, Thrissur & Palakkad are entrusted with testing of solar. The Board order read (1) above may be amended to utilize the service of APTS units, Kollam, Alappuzha, Thiruvalla, Kottayam, Vazhathope, Malappuram, Kalpetta, Kannur, Kozhikode & Kasargode also to conduct the mandatory testing before issuing connectivity on temporary basis till selection of vendors of grid inverters up to a capacity of 30 kW/KVA is finalized.
2. The Chief Engineer (Transmission System Operation) may be authorised
 - (i). to procure 10 nos of testing kits amounting to Rs. 90,02,500/- (Rupees Ninety Lakh Two Thousand and Five Hundred only) for the solar testing for newly engaged 10 teams and allocate the same to newly engaged respective APTS units.

(ii). to redefine the jurisdictional area of meter testing teams & APTS teams (in consultation with the Chief Vigilance Officer, KSEBL with respect to RE installation testing.

(iii). to make arrangements to train the newly added APTS teams by the relay wing on Grid connectivity testing.

3. Revised jurisdiction of the 19 nos of Solar Testing teams are proposed as follows:

Name of office	Electrical Divisions at which testing is to be conducted
APTS, Thiruvananthapuram	Kattakada, Nedumangad, Neyyattinkara, Thiruvananthapuram, Kazhakuttam, Attingal
APTS, Kollam	Chathanoor, Kollam, Karunagappally
MTSD, Kundara	Kundara, Kottarakara, Punalur
APTS, Alappuzha	Haripad, Alappuzha, Cherthala, Mattanchery
MTSD, Thiruvalla	Adoor, Pathanamthitta, Chenganoor Mavelikara,
APTS, Thiruvalla	Thiruvalla, Changanassery, Ponkunnam
APTS, Kottayam	Pallom, Pala, Vaikom
MTSD, Kalamassery	Aluva, Moovathupuzha, Emakulam, Tripunithura
APTS, Vazhathope	Thodupuzha, Adimali, Kattapana, Peerumedu
MTSD, Madakkathara	North Paravoor, Perumbavoor, Angamali, Chalakudi, Thrissur East
APTS, Thrissur	Irigalakuda, Kodungaloor, Kunnankulam, Thrissur West, Wadanchery
APTS, Palakkad	Alathur, Chittur, Palakkad, Mannarkad, Shoranur, Pattambi
APTS, Malappuram	Perumthalmanna, Wandoor, Nilambur, Manjeri, Ponnani
APTS, Kozhikode	Kozhikode, Vadakara, Balussery, Nadapuram
MTSD, Kozhikode	Kondotty, Tirur, Thirurangadi, Feroke
APTS, Kalpetta	Kalpetta, Mananthavadi
MTSD, Kannur	Iritty, Payyannur
APTS, Kannur	Thalassery, Kannur,
APTS, Kasargode	Kanhangad, Kasaragod

The Chairman and Managing Director directed to place the matter of delay in testing for grid connectivity of Solar Plants with the following suggestions of the Chief Engineer (REES) to the Full Time Directors for approval.

(a) Vendor selection may be done for Grid tied Inverters having capacity upto 30 kW/KVA and grid connectivity of Solar plants upto 30 kVA can be allowed based on the Vendors selected. Until vendors selected for the inverters capacity up to 30 kW/kVA, the testing teams as suggested above can be considered. However random checking may be done as & is necessary.

(b) Since the merging / re arrangements of meter testing Sub Divisions are planned in the near future; the above teams for Solar testing are intended on temporary basis; till the former comes into existence.

(c) For grid tied Solar power plants having capacity above 30 kW, the present practice of testing shall be continued.

The matter was placed before the Full Time Directors as per note read as 6th above. Having considered the matter in detail above, the Full Time Directors in the meeting held on 25.02.2021 resolved to accord sanction to

1. amend the BO read (1) above to utilize the service of APTS units of Kollam, Alappuzha, Thiruvalla, Kottayam, Vazhathope, Malappuram, Kalpetta, Kannur, Kozhikode & Kasargode to conduct the mandatory testing before issuing grid connectivity of Solar plants in addition to the APTS units Trivandrum, Thrissur & Palakkad on temporary basis till selection of vendors of Grid tied inverters upto a capacity of 30 kW/KVA is finalized.
2. Further resolved to allow Grid connectivity for Solar plants having capacity upto 30 kW/ KVA based on the vendors selected and for Grid Tied Solar power plants having capacity above 30 kW the present practice of testing shall be continued.
3. Further resolved to authorise the Chief Engineer (Transmission System Operation) to
 - (i). revise the jurisdictional area of meter testing teams & APTS teams as shown below (in consultation with the Chief Vigilance Officer, KSEBL) with respect to RE installation testing & communicate the same.

Name of office	Electrical Divisions at which testing is to be conducted
APTS, Thiruvananthapuram	Kattakada, Nedumangad, Neyyattinkara, Thiruvananthapuram, Kazhakuttam, Attingal
APTS, Kollam	Chathanoor, Kollam, Karunagappally
MTSD, Kundara	Kundara, Kottarakara, Punalur
APTS, Alappuzha	Haripad, Alappuzha, Cherthala, Mattanchery
MTSD, Thiruvalla	Adoor, Pathanamthitta, Chenganoor Mavelikara,
APTS, Thiruvalla	Thiruvalla, Changanassery, Ponkunnam
APTS, Kottayam	Pallom, Pala, Vaikom
MTSD, Kafamassery	Aluva, Moovathupuzha, Emakulam, Tripunithura,
APTS, Vazhathope	Thodupuzha, Adimali, Kattapana, Peerumedu
MTSD, Madakkathara	North Paravoor, Perumbavoor, Angamali, Chalakudi, Thrissur East
APTS, Thrissur	Irigalakuda, Kodungaloor, Kunnankulam, Thrissur West, Wadakanchery
APTS, Palakkad	Alathur, Chittur, Palakkad, Mannarkad, Shoranur, Pattambi
APTS, Malappuram	Perumthalmanna, Wandoor, Nilambur, Manjeri, Ponnani,
APTS, Kozhikode	Kozhikode, Vadakara, Balussery, Nadapuram
MTSD, Kozhikode	Kondotty, Tirur, Thirurangadi, Ferroke
APTS, Kalpetta	Kalpetta, Mananthavadi
MTSD, Kannur	Iritty, Payyannur
APTS, Kannur	Thalassery, Kannur,
APTS, Kasargode	Kanhangad, Kasaragod

- (ii). make arrangements to train the newly added APTS teams by the relay wing on Grid connectivity testing.

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(iii). procure 10 nos of test kits for the newly engaged 10 APTS teams; amounting to Rs.90,02,500/- (Rupees Ninety Lakh Two Thousand and Five Hundred only) and allocate the same to the newly constituted testing teams.

(iv). Issue Administrative Sanction for the financial commitment against the procurement of 10 nos of test kits amounting to Rs.90,02,500/- (Rupees Ninety Lakh Two Thousand and Five Hundred only).

Orders are issued accordingly.

By Order of Full Time Directors

Sd/-
Lekha G

Company Secretary (In Charge)


To:

The Chief Engineer (Renewable Energy & Energy Savings)

Copy to:

The Chief Engineer (IT & CR)/The Financial Advisor/ The Chief Internal Auditor / TA to Chairman & Managing Director/ PA to Director (Finance)/ TA to Director (T&SO)/ TA to Director (Generation Electrical & SCM)/ TA to Director (Generation Civil/ TA to Director (Distribution, IT&HRM)/TA to Director (Planning, Safety & REES) with full additioanl charge of Soura/ Senior CA to Secretary (Admn.)/Company Secretary/ Fair copy Section/Library/Stock File.

Forwarded /By Order


Assistant Executive Engineer