



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

Manufacturing of PSC poles - Quality Issues - Departmental Supervision - Sanctioned - orders issued.

CORPORATE OFFICE (G-E & SCM)

B.O.(FTD) No. 741/2020 D (G-E&SCM)/GL/2020-21)

Thiruvananthapuram, dated 17.12.2020.

Read:- 1. B.O.(FTD)No.665/2020/D(GE&SCM)/GI/2020 -21 dated 05.11.2020.

2. B.O.(FTD)No.710/2019(PC/SCM/2019-20/PSC Poles-Design/4014 dated 23.09.2019.

3. Note No. D(GE&SCM)/General/PSC Poles/Supervision/2020-21 dated 15.12.2020 of the Director (G-E&SCM) Submitted to the Full Time Directors (Agenda Item No.66/12/2020).

ORDER

The Chief Safety Commissioner vide report dated 24.07.2019 has recommended that tensioning of the steel wires shall be ensured before casting and required tests (cube test) and proper curing shall strictly be carried out during the manufacturing of PSC Poles. Now-a-days, the process checking is not being done and instead, only random checking after pole casting is carried out by the inspecting officer on request for allocation, which is not sufficient to ensure the quality of the poles. It was also recommended that either a representative of the Board or Government / Government approved agency shall be deputed in all the existing pole casting yards for process checking and for ensuring the quality.

At present the PSC Poles are manufactured for a wind load of 140 Kg. Due to the change in climatic conditions, use of high capacity conductors, drawal of cable network etc, the failure of PSC Poles is very high. In order to avoid the quality issues as per B.O. read as (1) above sanction was accorded for the setting up of five Departmental yards.

In order to ensure the quality of the PSC Poles in the process time itself, sanction was accorded as per B.O. read as 2nd above to reintroduce the Departmental Supervision by Assistant Engineer (Civil) / Sub Engineer (Civil) for ensuring the quality of PSC Poles. However, the Board Order has not been fully implemented till date.

In the meeting convened by the Director (Generation-Electrical & SCM) on 03.12.2020 with the Director (Generation-Civil) and the Chief Engineer (Civil Construction - South), all the above issues were discussed in detail and decided to invite tender for the setting up of new Departmental Yards.

Inspection of PSC Poles is now being carried out by the Assistant Engineer (Civil)/ Sub Engineer (Civil) of the concerned Electrical Circle. As the inspection officers are under the individual control of the concerned Deputy Chief Engineer, it is very difficult to ensure the quality of PSC Poles by witnessing the process of manufacturing of poles since the inspecting officers are not present at the yard for the full manufacturing period of the poles, and also due to urgency of poles in the field.

Considering all the above, it was recommended as per note read as 3rd above to reintroduce the proper departmental supervision of manufacturing process of PSC Poles by qualified Civil Assistant Engineers / Civil Sub Engineers under the control of a Chief Engineer in the Civil Wing which was existing in the Board previously so that the quality issues can be avoided.

Having considered the matter in detail, the Full Time Directors in the meeting held on 16.12.2020 resolved to accord sanction for the following.

1. To implement the direction of the Board to reintroduce the departmental supervision by Assistant Engineer (Civil)/Sub Engineer (Civil) for ensuring the quality of PSC Poles as per Board Order dated 23.09.2019, with effect from 01.01.2021.
2. To modify the Board Order dated 23.09.2020 to bring the Departmental supervision in the existing private pole casting yards by Assistant Engineer (Civil) / Sub Engineer (Civil) under the control of the Chief Engineer (Civil Construction - South).
3. To entrust the Director (Generation Civil) and Director (Distribution, IT &HRM) for the posting of the Assistant Engineer (Civil)/ Sub Engineer (Civil) for the Departmental Supervision in the existing private pole casting yards and the newly proposed departmental yards, either by deploying / giving additional charges.
4. To entrust the Chief Engineer (Civil Construction - South) to invite tenders for the setting up of new departmental pole casting yards, as envisaged in the Board Order dated 05.11.2020.

Orders are issued accordingly.

By order of the Full Time Directors.

Sd/-

Lekha.G

Company Secretary-in-charge.

To

1. The Chief Engineer (SCM).
2. The Chief Engineer (Civil Construction-South).

Copy to:

The Financial Advisor/ The Chief Internal Auditor/ The Company Secretary.
The Deputy Chief Engineer (IT)
The TA to Chairman & Managing Director/ Director (GE&SCM)/ Director (Gen.Civil)/
Director (T &SO)/ Director (D, IT&HRM)/ Director (Plg.&Safety).
The PA to Director (Finance)
The Senior CA to Secretary (Admn.)

Forwarded/By Order



TA to Director (G-E & SCM)

DESPATCHEL

no. 284
date 18/12/20