



KERALA STATE ELECTRICITY BOARD LIMITED

(Incorporated under Companies Act, 1956)

Reg. Office: VidyuthiBhavanam, Pattom, Thiruvananthapuram- 695 004, Kerala.

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ABSTRACT

Appreciating the efforts taken by Sri Mohanakumar BV, Deputy Chief Engineer and Sri R Bijuraj, Asst Exe Engineer in matters related to PAT Cycle II – orders issued

CORPORATE OFFICE (SBU-D)

**B. O (FTD) No. 441 /2020 [No. D (D, IT & HRM)/ PAT/ 2019 - 2020/] Dated, Tvpm
25.06.2020**

Read: - Note No D (D, IT & HRM)/ PAT/ 2019 - 2020/ 12.06.2020 of the Director (Distribution, IT & HRM) (Agenda 34/6/20)

ORDER

Perform Achieve and Trade (PAT) was introduced as a regulatory instrument to reduce specific energy consumption in energy intensive industries (T&D loss in case of DISCOMS), with an associated market based mechanism to enhance the cost effectiveness through certification of excess energy saving which can be traded. In PAT Cycle II, all major DISCOMs were also identified as a Designated Consumers (DC). The control period for PAT Cycle II was from 01.04.2016 to 31.03.2019 and each of the DC was given specific loss reduction targets. The target transmission & distribution loss figure for the DISCOM part of Kerala State Electricity Board Limited has been finalised and as 9.34%. As a Designated Consumer, KSEB (DISCOM) was to

- 1 Nominate one senior level officer as the contact person for coordinating all the activities for PAT implementation and another officer as Certified Energy Manager. The Energy Manager appointed should be a certified Energy manager from the Bureau of Energy Efficiency; otherwise the appointed person should qualify the exam. The obligation of the DC also included-
- 2 Submission of Annual Energy consumption returns (i.e. Injected Energy less Billed Energy, considered as Consumed Energy or loss of DISCOM) - At the end of control period, the Designated Consumers (DC) will have to do monitoring & verification and submit the report in the respective proforma to the State Designated Authority (SDA) & the BEE. This has to be certified by the Energy Manager appointed & CMD of DC within the stipulated time of 3 months.
- 3 Conduct an Energy Audit by an Accredited Energy Auditor within 18 months from the date of notification (29.12.2015). Subsequent Audit should be in every 3 years

- 4 Implement techno-economic viable recommendations
- 5 Comply with energy consumption norms and standards

Sri Mohanakumar BV, Deputy Chief Engineer & TA to the Director (Distribution) was entrusted to coordinate with the Central and State agencies regarding the implementation of PAT II in KSEB DISCOM. Sri. R Bijuraj, the then Asst Exe Engineer, Electrical Subdivision, Vadasserikara had the Energy Auditor certification. Based on the recommendation of the Committee on PAT (Perform, Achieve and Trade) programme held on 12.07.2016, Sri. R Biju Raj, AEE, Electrical Subdivision, Vadasserikara was designated as the Energy Manager under PAT Cycle II. Since the activities related to PAT Cycle II were to be done at a faster pace, the presence of Energy Manager at the Office of the Director (D&IT) was highly essential. Hence Sri. Bijuraj R, was subsequently posted to the Corporate Office

Owing to the coordinated efforts by Sri Mohanakumar BV and Bijuraj R, KSEBL could prepare and submit to BEE, a comprehensive action plan for achieving the target. The data required for the same and other Sector specific proforma were furnished within the stipulated time lines. The duo ensured that all the works as per the submitted action plan were carried out with strict monitoring from the Corporate Office.

The process of Mandatory Energy Audit engaging an Accredited Energy Auditor was also carried out and the relevant forms were up loaded. Concerted efforts for achieving the target by the end of the financial year 2018-19, were also taken. The T&D loss of the system ascertained by the Accredited Energy Auditor for the year 2016-17 was 9.56%, which showed that KSEBL was well on track for achieving the assigned PAT target by the year 2018-19.

Meanwhile, the state of Kerala witnessed the most severe flood of the century in the month of August 2018. The severity of damage and the impact on loss reduction efforts were brought to the attention of the Central & State agencies in time, with substantiating documents. The facts and figures pertaining abnormal increase in faulty meters along with leakage losses in the flood affected areas and its impact on large scale under-recording of energy, additional loss due to replacement of star rated transformers with repaired ones, extend of damage to the distribution lines and its bearing on T&D loss were also furnished to BEE. With proper backup of documents, KSEBL could approach the Central agency seeking exemption from the obligation of meeting the assigned T&D loss target, as part of the PAT Cycle II. The BEE has constituted an expert committee to verify the claims put forward by KSEBL. Sri Mohanakumar BV, Deputy Chief Engineer in his role as the coordinator and Sri Bijuraj R, Asst Exe Engineer as the Energy Manager for DISCOM represented the organisation. They have convinced the expert committee that KSEBL was

all set to achieve the assigned target, but the program was derailed under a force majeure condition. After detailed deliberations, KSEBL was exempted from the original target.

But for the concerted efforts by the duo – Sri Mohanakumar BV, Deputy Chief Engineer and Sri Bijuraj R, Asst Executive Engineer, KSEBL would have to bear the financial liability of buying ESCerts for unachieved portion of the target and more importantly to confront an embarrassing situation of not achieving given target. The Director (Distribution, IT & HRM) as per the note read above recommended to place on record its appreciation of the efforts taken by these officers.

Having considered the matter, the Full Time Directors in its meeting held on 18.06.2020

Resolved to appreciate the sincere efforts of Sri Mohanakumar BV, Deputy Chief Engineer (Employee Code – 1035937) and Sri Bijuraj R, Asst Executive Engineer (Employee Code – 1044369) in complying with the milestones laid under PAT Cycle II, including conducting of mandatory audits and filing of Audit Returns, and also in saving the KSEB Ltd from the financial liability of buying ESCerts for unachieved portion of the target and more importantly from an embarrassing situation of not achieving given target, by awarding Good Service entry.

Orders are issued accordingly.

By order of the Full Time Directors

Sd/-

Lekha G

Company Secretary I/C

To

The Chief Engineer (HRM)

The Chief Engineer (Transmission South)

Copy to:

Financial Adviser

The TA to Chairman & Managing Director

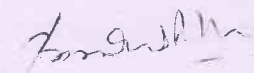
The TA to Director (D, IT & HRM, G – C, GE & SCM, T&SO, Safety, CP & REES)

The Legal Liaison Officer

The PA to Director (Finance) / Senior C.A. to Secretary (Administration)

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Forwarded/By Order



Assistant Executive Engineer