



KERALA STATE ELECTRICITY BOARD Ltd

(Incorporated under the Companies Act, 1956)

Registered Office: Vidyuthi Bhavanam, Pattom,

Thiruvananthapuram – 695 004

CIN: U40100KL2011SGC027424

Website: www.kseb.in

Phone: +91 471 2514685, 2514331

Email: ddkseb@kseb.in

ABSTRACT

Proposal for installing single phase 'SMART METER' for street light metering after replacing existing static energy meters under Kozhikode Municipal Corporation - Sanctioned - Orders issued.

CORPORATE OFFICE (SBU-D)

BO (FTD)No.441/2022(DIRDIT-AEE3/Automatic Street Light Thiruvananthapuram, Dated: 24.05.2022 Control/2022-23)

Read: 1.Letter No.CEDN/AE2/streetlight Control/2022-23/10 dated 02.04.2022 of the Chief Engineer, Distribution North.
2. Note dated 25.04.2022 of the Chief Engineer (IT,CR &CAPs).
3. Note No.DIRDIT -AEE3/Automatic Street Light Control/2022-23(1) dated 12.05.2022 of the Director (Distribution & IT) to the Full Time Directors (Agenda 46/5/22).

ORDER

The Chief Engineer, Distribution North as per the letter read as 1st above had reported that the Secretary, Kozhikode Corporation has submitted proposal for replacing 1039 nos of static energy meters installed in street light control points at various locations in Kozhikode Corporation area with single phase smart energy meters, since all the switch points are feeding a load less than 5kW.

The work is proposed to be carried out by KEONICS (Karnataka State Electronics Development Corporation Ltd) by supplying materials and labour and under the supervision of KSEBL by remitting 10% supervision charges. The Secretary, Kozhikode Corporation requested to carry out the work at their own cost.

The Chief Engineer, Distribution North had requested to issue sanction for installing SMART meters instead of existing static meters at street light control points and also requested to issue sanction for testing and calibration of meters by TMR division by remitting necessary charges as per the request of the Secretary Kozhikode Corporation.

Specific remarks on the matter has been obtained from the Chief Engineer (IT,CR &CAPS). The Chief Engineer (IT,CR & CAPS) as per the note read as 2nd above has remarked that the implementation of Advance Metering Implementation(AMI) with smart metering under RDSS is already approved by MoP, Govt. of India. The Letter of

Acceptance for the subject work was issued to the Project Implementation Agency (M/s RECPDCL) and work is expected to be commenced shortly. The installation of smart meters for all Government consumers are included in Phase-1 of the project and are scheduled to be completed by December 2023. Being a local body, Kozhikode Municipal Corporation also comes under the purview of Government. consumers. Hence their request is being considered along with AMI (Advanced Metering Infrastructure) phase 1 implementation.

In the case of Kozhikode Municipal Corporation, the work is proposed to be carried out by KEONICS (Karnataka State Electronics Development Corporation Ltd) and upon discussion, it is leaned that the firm will provide Head End System (HES) & Meter Data Management System (MDMS). The option for taking energy consumption from the Meter Display is available. Also the option for obtaining meter reading from HES/MDMS is available. They are ready to provide APIs (Application Programme Interface) for integrating with KSEBL Billing server.

In the case of Smart City Kochi, the HES is integrated with Orumanet through the MDMS internally developed by KSEBL. The testing of the software & trial billing is in final stage. The Smart meters are being tested in TMR Divisions Shornur & Angamaly as per Office Order dated 23.12.2020. The same method of integration shall be adopted in the case of automatic Street light controller with Smart meters (Kozhikode Corporation) also for transmitting meter readings to Orumanet.

Once the RDSS AMI system is ready, the Smart City HES and Kozhikode Corporation HES can be integrated with RDSS AMI system for unification of data & billing and hence the Chief Engineer (IT) suggested to go ahead with the proposal from Kozhikode Corporation.

The matter was placed before the Full Time Directors as per note read as 3rd above.

Having examined the matter in detail, the Full Time Directors in the meeting held on 17.05.2022 resolved to accord sanction to the Chief Engineer, Distribution North for the following.

1. To consider the request of the Secretary Kozhikode Municipal Corporation for replacing the 1039 nos of existing three phase static meters of street light control points at various locations with single phase SMART meters under Kozhikode Municipal Corporation as requested by them subject to the condition that the firm will provide Head End System (HES), Meter Data Management System (MDMS) and APIs (Application Programme Interface) for integrating with KSEBL Billing server. Facility of prepaid metering system shall also be enabled.

2. To carry out the work by Kozhikode Municipal Corporation at their own expense after remitting supervision charges to KSEBL.

3. To test and calibrate the SMART meters proposed to be installed by

Kozhikode Municipal Corporation, at TMR Division after remitting applicable fees as per the request of the Secretary, Kozhikode Corporation.

Orders are issued accordingly.

**By Order of the
Full Time Directors**


LEKHA G

Company Secretary

To:

The Chief Engineer Distribution North.

Copy to: The Chief Engineer (IT &CR) /Vigilance Officer/Legal Advisor & Disciplinary Enquiry Officer/Chief Internal Auditor/Financial Adviser
The T A to Chairman & Managing Director/ The T A to Director (Distribution & IT) / (Planning, SCM &Safety),(REES,Soura,Sports &Welfare)/(Gen-Ele), (Gen-Civil) / (Transmission & System Operation) PA to Director(Finance)
The Deputy Chief Engineer, Electrical Circle, Kozhikode The RAO/ECA/RCAO/The Legal Liaison Officer The C.A. to Secretary (Admin)/ Company Secretary. Fair Copy Section / Library / Stock File.

Forwarded / By Order



Assistant Executive Engineer