



Kerala State Electricity Board Limited
(Incorporated under the Companies Act, 1956)
Registered Office: Vydyuthi Bhavanam, Pattom,
Thiruvananthapuram – 695 004 CIN:U40100KL2011SGC027424
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ABSTRACT

Amendment in the Board Order for the re-organization of SCADA Control Room, SCADA Maintenance Team, RMU Maintenance Team and UG Cable Wing- corrections in Annexure-sanctioned - orders issued.

CORPORATE OFFICE (SBU-D)

B.O(FTD)No.276/2021(D(D&IT)/D5/PG/2021-22/0001) Dated, Tvpmm 30.04.2021

Read:

1. B.O (FTD)No.246/2021(D(D&IT)/D5/PG/2021-22/0001) Dated, Tvpmm 08.04.2021
2. Note No.CEIT/SCADA – DMS/Staff/2021-22/005 dated 16.04.2021 of the Chief Engineer (IT, CR & CAPs) to the Director (Distribution, IT & HRM)
3. Note no. D(D&IT)/D5/Cable-Poles/2021-22/0001 dated 19.04.2021 of the Director (Distribution, IT & HRM) to the Full Time Directors (Agenda Item no. 51/04/21)

ORDER

KSEBL as per Board Order read 1 above had accorded sanction for the re-organization of SCADA Control Room, SCADA Maintenance Team, RMU Maintenance Team and UG Cable Wing. The Duties and functions of SCADA Communication and RTU/FRTU Maintenance Team got duplicated as Annexure 2 and 4 and the Duties and functions of UG Cable Fault Locating Wing got eliminated in the Annexure.

The matter was placed before the Full Time Directors seeking approval for incorporating modifications in the Annexures in the Board Order.

Having considered the matter in detail, the Full Time Directors in the meeting held on 23.04.2021 resolved to amend the BO (FTD) No 246/2021 (D(D&IT)/D5/PG/2021-22/0001) dated 08.04.2021 to replace the Annexure -2 (containing Duties and functions of SCADA Communication and RTU/FRTU Maintenance Team – as recommended by the Committee) with Duties and functions of UG Cable Fault Locating Wing, along with modified duties and functions of SCADA Control Room as Annexure 3 and SCADA Communication and RTU/FRTU Maintenance Team as Annexure 4.

The BO (FTD) No 246/2021 (D(D&IT)/D5/PG/2021-22/0001) dated 08.04.2021 stands modified to this extent.

Orders are issued accordingly.

By Order of the Full Time Directors

Sd/-

Lekha G.

Company Secretary In Charge

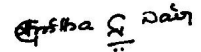
To

1. The Chief Engineer, Distribution South/Central/North
2. Deputy Chief Engineers, Electrical Circles Trivandrum/Ernakulam/Kozhikode
3. The Chief Public Relations Officer(CPRO), KSEBL
4. The Chief Vigilance Officer (CVO), KSEBL

Copy to:

1. The Chief Engineer, Distribution (North Malabar)/ The Chief Engineer (IT, CR & CAPs)
2. The TA to Chairman & Managing Director/ The TA to Director (Distribution, IT & HRM/ Transmission-System Operation & REES/ Generation-Electrical & Supply Chain Management/ Generation-Civil)
3. The Company Secretary
4. The RCAO/ECA, Vidyuthi Bhavanam, Pattom/ The Legal Liaison Officer
5. The PA to Director (Finance) / Senior C.A. to Secretary (Administration)
6. Fair Copy Section / Library / Stock File.

Forwarded / By Order



Assistant Executive Engineer

Duties and functions of RMU Maintenance Section

1. Maintenance and upkeep of RMUs ready for remote operation.
2. The Preventive Maintenance of the RMUs in line with the technical operation manual provided by the Original Equipment Manufacturer (OEM).
3. The Breakdown maintenance of the RMUs after obtaining due permit to work by the authorised section Sub Engineer from the SCADA/DMS Control Center for the section identified as Faulty. After rectification of the fault, same shall be intimated to the SCADA/ Control Center for energisation, by giving clearance from the field.
4. Testing and commissioning of newly installed KSEB/Private RMUs.
5. Giving technical support to other wings in matters related to installation of new/serviced RMUs.
6. Procurement and upkeep of sufficient spares for RMUs.
7. Furnishing of reports, progress of works to higher authorities.
8. Monitoring availability of power supply at RMU locations.
9. Coordination with section offices and 11kV control Center for the dismantling/shifting of the RMUs.
10. Schedule maintenance of RMU and RMU locations.

Duties and functions of UG Cable fault locating team

1. Locating of cable fault in KSEBL cable network and private parties (on hire basis).
2. Tracing of UG cables as and when required.

Duties and functions of Operators in SCADA Control Room Operation

1. Remote monitoring of the power position of the town by keeping vigil on the overall EHT feeder status which are available in the SCADA/DMS system through the Sub Station SLD.
2. Monitoring and Remote operation of 11 kV feeder breakers at Substations based on the real time Scenario.
3. Monitoring of Electrical System, AC system in Server room and Control Center, UPS system, DG system
4. Remote operation of RMUs from SCADA/DMS Control Center.
5. Back feeding and Feeder rearrangement.
6. Providing shutdown based on the forced /planned outages in the network.
7. Issue work permit as per requirement.
8. Restoration of Power after completion of Maintenance, etc.
9. Assisting PMU in finalizing the network modifications suggested by the Field Offices.
10. Coordinating with the SCADA/DMS Maintenance wing for effecting the network modifications in the SCADA/DMS system
11. Preparation of periodic reports & vital information noted during the control center operation and forward the same to higher officers.
12. Reporting of anomalies, maintenance requirements, etc. to the respective SCADA/DMS Maintenance Wing
13. Sharing the observations/ non availability of field information / failures of any SCADA/DMS system noted to the respective SCADA/DMS Maintenance Wing
14. Each operator has to log in to the SCADA/DMS system's individual work station using employee code.
15. Work in coordination with State Load Despatch Center (SLDC).
16. Execution of functions such as Load shedding, FLISR, Load Flow studies, etc.
17. Reports of peak loads, over loading of feeders based on limits set, Interruption reports, etc, can be generated and printouts can be taken for management information.
18. Compilation of the Managerial Information and proposal of the Distribution Network expansions based on the reports generated from the SCADA/DMS system.

Duties and functions of SCADA Communication and RTU/FRTU Maintenance Team

1. Preventive and breakdown maintenance of RTUs in Substations, FRTUs in RMU locations, 3G/2G FRTU modems, servers, software, VPS, workstations, RVDUs, LDMS, Communication network, Control Center UPS, DR Center equipments and ICCP Integration equipments up to router installed at LD Center (for Ernakulam) etc.
2. Carrying out all the server and database administration works at Control Center and DR (for Ernakulam).
3. Monitoring of services and performance monitoring
4. Monitoring of MPLS VPN links and network management system.
5. Clearing server log files & database backup.
6. Maintenance of Control Center infrastructure (temperature, network cabling, battery voltage, routine maintenance activities etc.)
7. Importing and deploying of CIM-XML file in the SCADA system and rectifying the issues in co-ordination with GIS team.
8. Integration/mapping of new Panels/Bay installed at Substations & RMUs in the network in line with the approval received from Substations/PMU/Control Center.
9. Updating the delta changes reflecting in the distribution network in line with the approval received from PMU/ Control Center through GIS system and extracting to SCADA/ DMS system.
10. Imparting adequate training to Operators.
11. Ensuring the SLA conditions executed with SIA for entire SCADA System and Control Center Infrastructure maintenance.
12. Integration & configuration of new FRTUs for the upcoming RMU locations etc.
13. Rectification of anomalies, non availability of field signals, system failures etc. reported by the Control Center Operators.
14. Carry out periodic and preventive maintenance of SCADA/ DMS Systems & field components.
15. Monitor the availability of required signal strength.
16. Overall co-ordination activities with the stake holders- SIA, GSIA, NBSP etc.