



KERALA STATE ELECTRICITY BOARD Ltd

(Incorporated under the Companies Act, 1956)

Registered Office: Vidyuthi Bhavanam, Pattom, Thiruvananthapuram – 695 004

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ABSTRACT

Implementation of RDSS SCADA Projects in KSEBL - Formation of field implementation team with strategical units - Sanctioned - Orders issued.

CORPORATE OFFICE (IT,CR&CAPs)

B.O. (FTD) No.146/2024 (CEIT/RITU/SCADA-PM) TVPM

Dated:11-04-2024

Read : 1.B.O. (FM) No. 2118/2013 (CE(IT)/R-APDRP(SCADA/DMS-IA) IPRJ/2012-13 dated 03.10.2013.

2. Minutes of 7th Monitoring Committee of RDSS, MoP held on 15.03.2022.

3. Letter No.02:10:RDSS:2021:I:KSEBL/076120 dated 24.03.2022 from PFC.

4. E tender ID 2023_KSEB_621925_1 dated 14.11.2023.

5. Note No. CEIT/RITU/SCADA-PM/RDSS/I/20604/2024 dated 02.02.2024 of Chief Engineer (IT) submitted to the Full Time Directors.

6. Supplementary Note No. CEIT/RITU/SCADA-PM/RDSS/I/30042/2024 dated 22.03.2024 (Agenda No.09-04/2024).

ORDER

The 7th Monitoring Committee Meeting of Ministry of Power (MoP) for RDSS, has approved the proposal of KSEBL for the implementation of SCADA project under RDSS scheme and sanctioned the DPR along with loss reduction works. KSEBL has floated tender for the selection of SCADA Implementation Agency (SIA) for the implementation of SCADA/DMS project under RDSS Group-A SCADA towns viz Kollam, Thrissur and Kannur and Disaster Replica Recovery Centre (DRR) at Ernakulam as per e-tender read as 4th above. The time for completion of the project granted by PFC is 30 months from the date of LoA. In order to expedite the project execution and for the successful completion of the project within the stipulated time limit, an appropriate implementation strategy is highly essential.

Dedicated KSEBL team need to work in close co-ordination with the SCADA Implementation Agency (SIA). During the implementation of SCADA/DMS scheme of R-APDRP project, field implementation teams were constituted for the successful implementation of the project as per B.O. read as 1st above. Considering the technical nature of the works and extend of field works involved in RDSS SCADA projects, similar form of field implementation team is essential, to monitor & follow up of the following activities.

Site survey, planning, design & Engineering, installation, testing, commissioning and documentation of all necessary hardware, software and networking equipment and its connectivity, etc. Installation of FRTU integrated RMUs, servers, RTUs, FRTUs, MFTs, Video Projection Systems (VPS), switches, routers, backup and tape devices, Workstation PCs, Aux Power supply, communication equipment, FPIs etc. at the sites. SCADA/DMS control center along with associated hardware and software with 100% expandability for future growth in electrical distribution network of Kollam, Thrissur and Kannur towns. Coordination work of laying of 11kV cables required for SCADA project. Further, to cater corporate functions for the three RDSS SCADA projects (Group-A, Group-B & Group-U projects) including preparation of RFP, tendering, Project management, coordination, monitoring and documentation works, the existing SCADA project management unit formed as part of RAPDRP project needs to be reorganized.

Hence the following implementation strategy is proposed by forming SCADA/DMS Field Implementation Units at Kollam, Thrissur & Kannur and reorganize SCADA Project Management unit at Thiruvananthapuram, as per the Organization Chart below:

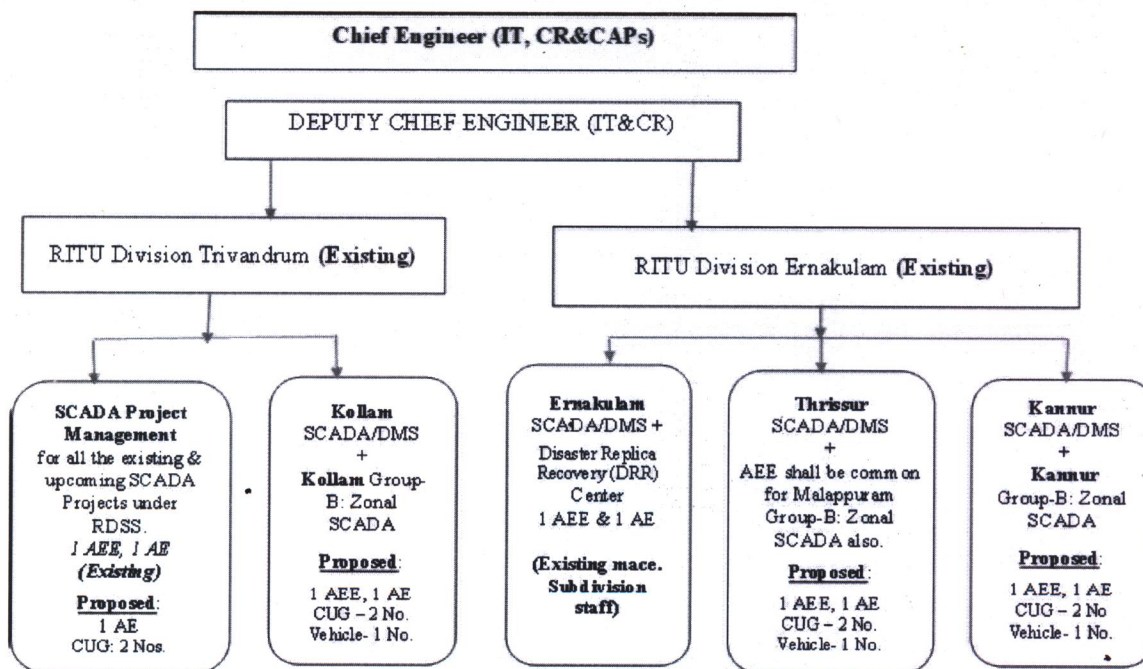


Table-1 : Proposed pattern -with existing & additional Staff

No.	Office/ Field Implementation units (For RDSS SCADA Group -A & Group - B projects)	Existing Staff	Additional Requirement			
			AEE	AE	CUG	Hired Vehicle
1	Kollam SCADA Field Implementation Unit	-	1	1	2	1
2	Thrissur SCADA Field Implementation Unit	-	1	1	2	1
3	Kannur SCADA Field Implementation Unit	-	1	1	2	1
4	Ernakulam SCADA Field Implementation Unit	1 AEE, 1 AE, 2 CUG, 1 Vehicle	-	-	-	-
5	SCADA Project Management Unit TVM	1 AEE, 1 AE, 1 CUG	-	1	2	-

In addition to RDSS Group-A SCADA town projects at Kollam, Thrissur and Kannur, DRC approval received for RDSS Group-B SCADA project which envisages Basic SCADA for 53 towns in Kerala with Zonal SCADA control centres at Kollam, Kottayam, Ernakulam, Malappuram & Kannur. Hence the same SCADA implementation teams shall be entrusted with SCADA Group-A towns project and Group-B towns SCADA Project. The 11kV monitoring area/ developmental area of each Zonal SCADA centres under Group-B SCADA project shares with multiple electrical circles under multiple Districts. Further, SCADA/DMS systems are already notified by Government of India as a critical Information Infrastructure (CII) and ensuring Cyber Security is of utmost important. Hence a dedicated, separate team is required for the coordination of the SCADA projects at various field offices coming under multiple PMU teams. Proper SCADA training is required well in advance so as to equip the team for implementation of SCADA Projects. RDSS guidelines also insists for a dedicated team from concept to commissioning of the projects.

The matter was placed before the Full Time Directors, as per the Notes read as 5th & 6th above.

Having considered the matter in detail, the Full Time Directors resolved to accord sanction for forming SCADA/DMS Field implementation Units at Kollam, Thrissur & Kannur and reorganize SCADA Project Management unit at Thiruvananthapuram, as per the Table-1 above, for timely implementation of SCADA/DMS projects under RDSS.

Further resolved accord sanction to the Chief Engineer (HRM) to fill up the posts by deployment and to impart necessary SCADA training.

Resolved also to ensure that monthly and quarterly meetings on the RDSS projects are conducted covering all the activities - implementation, physical progress and financial progress.

Orders are issued accordingly.

By Order of the Full Time Directors.

Signed by

Lekha G

Date: 11-04-2024 16:46:02

LEKHA G

COMPANY SECRETARY

To:

1. The Chief Engineer (IT,CR &CAPs)
2. The Chief Engineer (HRM)
- 3 The Chief Engineer Distribution (South, Central, North, North-Malabar)

Copy to:

The Company Secretary / Chief Engineer (IT,CR&CAPS) / Financial Advisor / LA&DEO / Chief Internal Auditor / Chief Vigilance Officer
The TA to the Chairman & Managing Director / Director (Generation-Civil) / Director (Distribution, Safety, SCM & IT) / Director (Transmission, SO & Planning) / Director (Generation - Electrical, REES, SOURA, Sports & Welfare)
The PA to the Director (Finance & HRM)
The Sr.CA to the Secretary (Administration)
The RCAO/ RAO
Stock File.

Forwarded / By Order


Assistant Engineer