



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/DMS Project - Construction of Control Center Buildings -Board Order Amendment - Sanctioned - Orders issued.

Corporate Office: CE (IT,CR&CAPs)

B.O.(FTD) No. 553/2023(CEIT/RITU/RDSS/SCADA-DMS/CC)
Thiruvananthapuram

Dated:23-12-2023

- Read :
1. B.O. (FTD) No.232/23(CEIT/RITU/RDSS/SCADA-DMS/CC) dated 10.05.2023.
 2. Letter No.ECK/AE2/RDSS-SCADA/23-24/864 dated 22.07.2023 of the Deputy Chief Engineer, Electrical Circle, Kollam.
 3. Minutes of the joint meeting held on 25.07.2023 at Vidyuthi Bhavanam, Thiruvananthapuram
 4. Letter No.CE(C-I &CC)/SCADA-CC/AEE VIII/23-24/727 dated 07.08.2023 of the Chief Engineer (Civil- I&CC).
 5. Letter No.ECK/AE2/RDSS-SCADA/2023-24/110 dated 07.09.2023 of the Deputy Chief Engineer, Electrical Circle, Kollam.
 6. Letter No.DCE(T)KTA/TB3/SCADA/2023-24/772 dated 14.09.2023 of the Deputy Chief Engineer, Transmission Circle, Kottarakkara.
 - 7.Letter No.CE(C-I&CC)/SCADA-CC/AEEVIII/2023-24/892 dated 04.10.2023 of the Chief Engineer (Civil-I&CC).
 8. Note No.CEIT/RITU/RDSS/SCADA/CC/2023-24 dated 19.11.2023 of Chief Engineer (IT,CR & CAPs) to the Full Time Directors approved on 18.12.2023 (Agenda No.43 -12/2023).

ORDER

KSEBL as per B.O. read as 1st above had accorded Administrative Sanction for the construction of SCADA control Centers at Kollam, Kottayam, Ernakulam, Thrissur & Kannur, along with an additional floor at Kannur, for an amount of Rs.6.48 Crore + GST(18%). In the first phase, implementation of SCADA/DMS project under RDSS in Group-A towns viz. Kollam, Thrissur and Kannur have been sanctioned with loss reduction works by Ministry of Power.

As per the B.O. read as 1st above above the location of the Control Center at Kollam was proposed at the KSEBL land at the Powerhouse compound, Kollam. But, later the Deputy Chief Engineer, Electrical Circle, Kollam as per letter read as 2nd above had requested to re-examine the proposed location of the SCADA Control Centre in light of protest from trade unions on the demolition of existing building in the proposed

location (between the Electrical Circle Office building and the GIS Substation) where the staff canteen has been functioning along with the Transmission Store and Staff room.

The Chief Engineer (Civil-Investigation & Construction Central) was authorised as per B.O read as 1st above to solicit e-tenders from turnkey Solution providers specializing in Modular Structure using Pre-Fabricated Steel structured buildings. Considering the site constraints, the Chief Engineer (Civil Inv.& Cons.Central), as per letter read as 7th above has suggested changing the mode of execution for the construction of SCADA Control Center Buildings from Pre Engineered Building (PEB) to Conventional/traditional methods, by using steel, brick, wood, cement, and concrete sections considering the limitations/ disadvantages in the construction of PEB's. The CE(Civil Inv.& CC) informed that the approximate cost for conventional building construction can be reduced to Rs.3000/Sq.ft. instead of Rs.4000/Sq.ft for PEB due to the nature of soil strata at the proposed site. Moreover, conventional buildings can have additional floors, if required, in future.

Further during the meeting held in the chamber of the Director (Dist., IT, SCM & S), the Chief Engineer (C-I&CC) recommended to authorize the Deputy Chief Engineers of the respective Electrical Circles to invite tenders for the Construction works of SCADA Control Centres using conventional methods and supervise the construction works at their jurisdiction.

Accordingly, the control center wise estimate amount is revised based on the recommendation of the Chief Engineer (C-I&CC) calculated at the rate of Rs.3000/sqft, is summarized below:

Sl.No	Location	Control Center (CC) details	Area (in Sq. ft)	Amount (in lakhs)
1	Kollam	SCADA/DMS Control Center-A1	2800	84
2	Thrissur	SCADA/DMS Control Center-A2 (Combined for KSEBL & TCED)	2400	72
3	Ernakulam	Common DRR Control Center (Back-up Control Center)	3100	93
4	Kannur	SCADA/DMS Control Center-A3 +	2800	168
		Ele. Section, Sub Division etc. (Addl. floor)	2800	
5	Additional works if any.			13
Total amount (excluding GST)				430
Total amount: Rs. 4.3 Cr. + 18% GST. (Rs. Four crore & Thirty Lakhs only + GST)				

The matter was placed before the Full Time Directors as per the note read as 7th above.

Having considered the matter in detail, the Full Time Directors resolved to accord sanction to amend the B.O. (FTD) No.232/2023 (CEIT/RITU/RDSS/SCADA-DMS/CC) dated 10.05.2023, with the following modifications:

1. To construct the SCADA control Center buildings Kollam, Ernakulam, Thrissur & Kannur, along with an additional floor at Kannur, using conventional RCC structures instead of Pre Engineered structures, for a reduced amount of Rs. 4.3 Crore + GST (18%), as per Table-1 above.
2. To change the location of SCADA Control Centre building at Kollam to 110 kV Ayathil Substation Compound with a double storey building, by dismantling the existing dilapidated building at the site.
3. To authorize the respective Deputy Chief Engineers of Electrical circles to invite e- tenders and execute works for the construction of the SCADA Control Centre buildings at the identified locations, as per Table-1, in coordination with the Chief Engineer (IT,CR&CAPs).

Resolved further to get the design vetted through the Head Consultancy wing for design and cost optimization of the SCADA Control Centre buildings.

Orders are issued accordingly.

By Order of the Full Time Directors

Sdf

LEKHA G
COMPANY SECRETARY

To:

1. The Chief Engineer(IT,CR & CAPs)
2. The Chief Engineer (Civil- Investigation & Construction Central)
3. The Head, Consultancy Wing, Vydyuthi Bhavanam, Thiruvananthapuram.
4. The Chief Engineer, Distribution (South/Central/North/North Malabar)
5. The Deputy Chief Engineer, Electrical Circle, Kollam/ Ernakulam/ Thrissur/ Kannur.

Copy to:

The Chief Engineer (Trans- System Operation)/ Transmission-South/ Company Secretary/
Financial Advisor/ LA&DEO/ Chief Internal Auditor
The Deputy Chief Engineer, Transmission Circle, Kalamassery/ Kottarakkara
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

[Signature]
Assistant Engineer