

ಹುಬ್ಬಳ್ಳಿ ವಿದ್ಯುತ್ ಸರಬರಾಜು
ಕಂಪನಿ ನಿಯಮಿತ

HUBLI ELECTRICITY SUPPLY
COMPANY LIMITED

(ಕರ್ನಾಟಕ ಸರ್ಕಾರದ ಸಂಪೂರ್ಣ ಸ್ವಾಮ್ಯಕ್ಕೆ ಒಳಪಟ್ಟಿದೆ)

(CIN: U31401KA2002SGC030437)

ಕಂಪನಿಯ ಅಧಿಕೃತ ಕಚೇರಿ:

ಕಂಪನಿ ಕಾರ್ಯಾಲಯ,

ನವನಗರ, ಹಳೇ ಪು. ಬೆಂ. ರಸ್ತೆ, ಹುಬ್ಬಳ್ಳಿ-580 025.



(Wholly owned by Govt. of Karnataka undertaking)

(CIN: U31401KA2002SGC030437)

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Subject : Restructuring of ALDC Section as ALDC & SCADA
Section in Corporate Office, HESCOM, Hubballi-
Regarding.

Read : 75th BoD Resolution No. 75/21.

Preamble:

1. Earlier, for efficient operation and management of load. The Area Load Dispatch Center(ALDC) section was formed in HESCOM Corporate Office as per the approval of 15th meeting of Board of Directors with following post pattern;
 - a. Executive Engineer(Elec.) - One (1) Post.
 - b. Assistant Executive Engineer(Elec.) - Two (2) Posts.
 - c. Accounts Officer - One (1) Post.
 - d. Junior Engineer(Elec.) - One (1) Post.
2. There are 166 nos. of 33/11KV Sub-stations in HESCOM jurisdiction. SCADA has been implemented in 136 Sub-stations in phase-1 and 17 Sub-stations in phase-2. Remaining 15 Sub-stations SCADA work is under progress.
3. Data from all these Sub-stations are crucial for day to day load management. Also SCADA data is linked to SCADA Data Reporting & Analysis software a web based solution which will be extensively used by all officers of HESCOM. RAW SCADA Data is input for SDRA (SCADA Data Reporting and Analysis) software application for generating dash board, MIS reports and power supply status reports of all categories at all levels of ESCOMS, geographical area and public representative constituency wise.
4. There is a need to maintain the SCADA by our staff. It is necessary to know the exact status of SCADA in every Sub-station and to start rectifying the problems from our end. This will also help our staff from getting trained and get equipped for future maintenance of SCADA, there is a need to maintain SCADA apparatus and dedicated team to monitor is required.
5. Since, huge investment is made for implementation of SCADA, there is a need to maintain SCADA apparatus and dedicated team to monitor is required.
6. Further, in Corporate Office Distribution Control Centre (DCC) has been established to monitor HESCOM load round the clock. It carries that, Monitoring of HESCOM load with respect to the schedule given by SLDC and frequency with respect to the generation and take action accordingly to impose load restriction or to arrange additional power supply to different 11KV feeders on rotation basis.

(P.T.O.)

7. The DCC has been preparing various reports on load curve and submitted to various authorities.
8. In view of the above, it is felt necessary to restructure the existing ALDC section as ALDC and SCADA section duly providing the essential staff.
9. In this regard, a detailed Agenda was placed before the 75th BoD held on 05th November, 2016 vide subject no. 75/21.
10. The Board discussed the matter and resolved to restructure ALDC Section as ALDC and SCADA Section at Corporate Office, HESCOM, Hubballi by sanctioning the new posts vide subject No. 75/21.

Hence the following order;

Order No.: HESCOM/GM(A)/AO(A)/AAO(A)/A3/75th BM/2016-17/CYS- 3280

Date: 21 DEC 2016

In accordance with the preamble explained above, I am directed to convey approval of the Board for restructuring of ALDC Section as ALDC and SCADA Section at Corporate Office, HESCOM, Hubballi with the following post pattern.

Sl. No.	Nomenclature of Post	Existing Sanction	Additional Sanctioned Post/s	Total	Remarks
1	Executive Engineer (Elec.), ALDC & SCADA	1	-	1	EE Will be headed by ALDC & SCADA Section
I. Area Load Dispatch Centre (ALDC) Section also known as DCC.					
2	Assistant Executive Engineer (Elec.)	2	-	2	
3	Accounts Officer	1	-	1	AO Post will be Redeployed
4	Assistant Engineer (Elec.)	-	2	2	Two(2) AE(Elec.) new posts are created
5	Officer Attendant Grade-I	-	1	1	One(1) OA Gr.-I new post is created
Shift Staff					
6	Assistant Executive Engineer (Elec.)	-	4	4	Four(4) AEE(Elec.) new posts are created
7	Assistant Engineer (Elec.)	-	3	3	Three(3) AE(Elec.) new posts are created
8	Junior Engineer (Elec.)	1	-	1	
ALDC Section Total		5	10	15	

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Sl. No.	Nomenclature of Post	Existing Sanction	Additional Sanctioned Post/s	Total	Remarks
II. SCADA Section.					
1	Assistant Executive Engineer (Elec.)	-	1	1	One(1) AEE(Elec.) new post is created
2	Assistant Engineer (Elec.)	-	1	1	One(1) AE(Elec.) new post is created
3	Junior Engineer (Elec.)	-	1	1	One(1) JE(Elec.) new post is created
4	Station Attendant Gr-I	-	1	1	One(1) SA Gr.-I new post is created
5	Station Attendant Gr-II	-	1	1	One(1) SA Gr.-II new post is created
SCADA Section		0	5	5	
Total		5	15	20	

Consequent to restructuring of the above Section, the nature of works to be carried out by the concerned sections are annexed to this order.

The above order shall come into force with immediate effect.

By order,


General Manager
(Admin & HRD)

Copy:

1. Principal Secretary to Energy Department, GoK, Vikas Soudha, Bengaluru- for information.
2. Managing Director, KPTCL/ BESC/ GESC/ MESC/ CESC/ PCKL – for information.
3. Director[Admin & HR], Corporate Office, KPTCL, Kaveri Bhavan, Bengaluru.
4. Financial Adviser(I/A), Corporate Office, HESCOM, Hubballi.
5. General Manager[Admin & HRD], Corporate office, BESC/ GESC/ MESC/ CESC.
6. Chief Engineer[Ele], Hubballi/ Belagavi Zone, HESCOM, Hubballi/ Belagavi.
7. General Manager[Technical], Corporate office, HESCOM, Hubballi.
8. All Superintending Engineers[Ele], HESCOM
9. All Superintending Engineers[Ele], T[W & M] Circle, KPTCL[HESCOM Jurisdiction.]
10. Superintending Engineers[Ele][IT], Corporate office, HESCOM, Hubballi for information and hosting in the HESCOM website.
11. All Controllers, HESCOM,
12. All Controllers, KPTCL[HESCOM Jurisdiction]
13. All Executive Engineer[Ele], HESCOM,
14. All Executive Engineer[Ele], KPTCL[HESCOM Jurisdiction]
15. All Deputy Controllers, HESCOM,
16. All Deputy Controllers, KPTCL[HESCOM Jurisdiction – KPTCL.
17. Accounts Officer (Internal Management), Corporate office, HESCOM, Hubballi.
18. PS to Managing Director/ Director[Technical]/ Chief Finance Officer, Corporate office, HESCOM, Hubballi – For information and place before the table.

(P.T.O.)

19. All Assistant Executive Engineer[Ele], O & M Sub-Division, HESCOM,
20. All Section Officer, O & M Section, HESCOM,
21. Office Copy/ Master file.

Copy for information to:

1. President, KPTCL Employees' Union(659), Bengaluru & Director, KPTCL and all ESCOMs.
2. President, KEB Engineers' Association, Bengaluru & Director, KPTCL and all ESCOMs.
3. General Secretary, KPTCL Employees Union [Reg. No.659], Bengaluru.
4. General Secretary, KEB Engineers' Association, Bengaluru.
5. General Secretary, KPTCL, Accounts Officers' Association, Bengaluru.
6. General Secretary, KEB SC and ST Welfare Association, Bengaluru.
7. General Secretary, KPTCL, Diploma Engineers' Association, Bengaluru.
8. General Secretary, KEB SC and ST Officers' Association, Bengaluru.



HUBLI ELECTRICITY SUPPLY COMPANY LIMITED

(WHOLLY OWNED BY GOVERNMENT OF KARNATAKA UNDERTAKING)

(CIN: U31401KA2002SGC030437)

Company Office, Navanagar, Hubballi-580 025.

I. Roles and Responsibilities of ALDC Section.

A. Assistant Executive Engineer (Elec.)-1, ALDC Section.

1. Reallocation of energy allocation received from SLDC to 220KV/110KV/33KV stations coming under HESCOM jurisdiction and taking consumption of 220 KV stations daily.
2. Preparing power supply schedule.
3. Load control and monitoring at DCC and related works.
4. Correspondence for letters from Consumers/Public/Industries/Govt. regarding improper power supply.
5. Projection of availability and demand for power and load shedding required to be imposed for the succeeding month.
6. Furnishing of information regarding interruptions and power supply arranged in Power Quality Monitoring (PQM) to KERC every month.
7. Energy projection of HESCOM and power purchase through PCKL.
8. Daily collecting 11KV feeder scheduled outages details from O and M Divisions and consolidating and submission to IT section for hosting in the HESCOM website.
9. Any other works entrusted by higher authorities from time to time.

B. Assistant Executive Engineer (Elec.)-2, ALDC Section.

1. Preparation of statement of Reliability Index of power supply to consumers every month to KERC.
2. Energy reconciliation at IF point level every month.
3. SCADA implementation of 33KV stations in phase-1 and phase-2, checking of SCADA status and study of SCADA reports of 33KV stations.
4. 2nd phase SCADA implementation and validation.
5. Implementation and monitoring of SDRA software in HESCOM.

[P.T.O.]

6. Implementation and monitoring of e-log software in HESCOM.
7. Furnishing of feeder data, village censuses code, district censuses code for rural feeder management in National Power Portal.
8. Any other works entrusted by higher authorities from time to time.

C. Duties of shift engineers:

1. Monitoring of HESCOM load with respect to the schedule given by SLDC and frequency with respect to the generation and take action accordingly to impose load restriction or to arrange additional power supply to different 11KV feeders on rotation basis.
2. Sending hourly schedule and actual load status through SMS to MD/DT/GM(Tech.)/EE,ALDC&SCADA.
3. Preparation and sending of following reports to MD/DT/GM(tech.).
 - a. SCADA Status of 33/11kV Sub-Station at DCC-Daily.
 - b. Accurate Day ahead requirement to be sent to CEE/SLDC daily before 10:00AM.
 - c. Abnormal/subnormal arrangements of power supply to rural/urban feeders, Industrial, Water supply, EIP and DHs with reasons. The reasons furnished for abnormal/subnormal arrangement of power supply shall be analyzed and if reasons furnished are incorrect, the concerned 33kV S&L nodal division to be contacted and get it set right.
 - d. Daily HESCOM peak load (max and Min) with time in prescribed format.
 - e. Daily 220kV receiving station wise hourly load details as per actual from SCADA and updating in excel sheet.
 - f. Daily HESCOM UI reports.
 - g. Daily Trend curves
 - h. Daily interruptions of 11kV line to 220kV lines and 33kV to 220kV station equipment with time of outage and time of restoration with reasons.

- i. Generation Loss of generating stations if any
 - j. Generating Retrieval reports of 220kV, 110kV and 33kV stations (Daily log analysis report sheet and 11kV feeders supply period sheet.
4. Any other works entrusted by higher authorities from time to time.

II. Roles and Responsibilities of SCADA Section.

1. Everyday list of station from which SCADA data is not available, to be listed.
2. Reasons for SCADA offline to be ascertained and action have to be taken to bring Sub-station SCADA data available at DCC by sending the staff to such Sub-station for attending SCADA problem.
3. Any Change in Sub-station like additional feeder, addition bank, new Panel, interchange of feeder breakers should be integrated with SCADA. AEE/AE to take steps to program RTU accordingly and inform DCC as well as SLDC to update the same in their database.
4. Any change in CT/PT ratio of feeders should be updated in SCADA system at field by programming the Multi-functional Transducer.
5. Replacing faulty or cut communication cable.
6. SCADA equipments which are faulty are to be replaced with good ones as soon as the problems are detected.
7. Co-ordinate with external agencies for UPS, Battery and VSAT maintenance.
8. All wiring like CT/PT/Control wiring to be carried out with the help of Junior Engineer and Station Attendant Grade -1 or Grade-2.
9. For any additional bay/ Transformers in any of the 33KV Sub-stations, SCADA integration work has to be taken up that needs to be executed / supervised.
10. For any new upcoming 33KV Sub-station, SCADA needs to be implemented.

11. The SCADA team has to co-ordinate with MT division, 33KV Nodal Division for carrying out all SCADA related works in the field.
12. Any other works entrusted by higher authorities from time to time.



Managing Director