



# **Liberia Electricity Regulatory Commission**

## **Liberia Electricity Corporation Distribution Service Areas (Margibi, Bomi, and Grand Cape Mount Counties) Technical Follow-Up Inspection Report**

*Submitted by:*

**The Technical Regulations Directorate (TRD)**

**March 2026**

## Technical Inspection Report

Liberia Electricity Corporation Technical Inspection Report		Signature	Date
Prepared by	Lewis B. Kermue <b>Consultant/Electrical Engineer Inspector</b>		
Reviewed by	Abu Dekontee Sanso <b>Director</b> <b>Technical Regulations Directorate</b>		
Signed by	Augustus Goanue <b>Managing Director</b>		
Approved by	Claude J. Katta <b>Chairman of the Board of Directors</b>		



## **1.0 Introduction**

The Liberia Electricity Regulatory Commission (LERC) conducted compliance inspection of the Liberia Electricity Corporation (LEC) distribution service areas in Margibi, Bomi, and Grand Cape Mount Counties from February 17 to March 20, 2025. Following the exercise, the Commission formally communicated its findings to LEC. In response, LEC submitted an Action Plan on May 2, 2025, outlining corrective measures, implementation timelines, and a projected full resolution of the identified deficiencies by January 2026.

This follow-up inspection is conducted pursuant to Section 2.1(c) of the LERC Inspection Manual (Inspection Coverage), which authorizes the Commission to undertake follow-up inspections to verify whether previously identified deficiencies have been addressed in accordance with the licensee's submitted Action Plan and stipulated cure timelines. The exercise is further grounded in Sections 3.3A (5, 6, 8, and 10) and 3.3B (1 and 3) of the 2015 Electricity Law of Liberia, which empower the Commission to monitor compliance, enforce regulatory standards, and take appropriate action in cases of non-compliance.

Additionally, Section 16.22.1 of the Electricity Distribution Code of Liberia (EDCL) requires a Distribution Licensee to maintain its distribution network in accordance with Good Utility Practice and established performance standards to ensure the reliability and quality of electricity service, both in the short term and long term.

Accordingly, from February 23 to March 2, 2026, the Inspectorate Unit under the Technical Regulation Directorate, with support from the Public Affairs Unit, conducted a follow-up inspection of LEC's distribution service areas in Margibi, Bomi, and Grand Cape Mount Counties. In line with the Inspection Manual, the exercise primarily focused on assessing the status of deficiencies identified during the 2025 full-scale inspection. The assessment was conducted using the previous inspection report.

## 1.1 Objectives of the Follow-up Inspection

The follow-up inspection was conducted to achieve the following objectives:

- **To verify and confirm** that appropriate remedial measures have been implemented to address previously identified structural deficiencies and safety hazards, including leaning utility poles, damaged meter enclosures, and vandalized transformer grounding system.
- **To verify and confirm** that defects previously identified in relation to operational equipment functionality and compliance with applicable technical and safety standards have been fully resolved.
- **To verify and confirm** that the Liberia Electricity Corporation has established and operationalized an effective documentation management system, as required following the previous inspection.
- **To ensure** that appropriate corrective actions have been undertaken to address issues identified during routine patrols, with the aim of improving system reliability and the quality and continuity of electricity service delivery to customers within the affected areas.
- **To ensure** that the Liberia Electricity Corporation maintains the electrical network in accordance with good utility practices and established performance standards, thereby supporting the reliability and quality of electricity service in both the short and long term.

## 2.0 Methodology

The follow-up inspection was participatory and collaboratively conducted by representatives from the LERC and LEC. Below is the detailed methodology for the inspection exercise.

- a) Preliminary Meeting** - The inspection commenced with a briefing session between the LERC and LEC teams. The LERC staff outlined the primary objectives of the follow-up inspection, emphasizing the significance in ensuring timely curing of identified network deficiencies, which contribute to system reliability and quality of service delivery.
- b) Documentation Review** - Following the preliminary meeting, LEC was requested to submit its network management documents, as outlined in the Inspection Manual's "Documentation Checklist".
- c) Physical Inspection Using the Previous Indices and Punch Lists** - Field inspection was carried out using the previous indices and punch lists from the previous Inspection Report.

**Table 1.0: Regulatory Compliance Score Card**

No.	Compliance Status	Grading (%)	Rating	Risk level	Description	Action
1	Compliant (High)	95-100	1	Insignificant	Excellent effort is being applied to cure defects identified during previous inspection.	<b>No Action-</b> capture that the asset is still in excellent working condition.
2	Compliant (Medium)	85-94	2	Low	Very good effort is being applied to cure defects identified during previous inspection.	<b>Noteworthy-</b> capture in the next inspection cycle and adjust ranking as needed.
3	Compliant (Low)	75-84	3	Medium	Good effort is being applied to cure identified defects during previous inspection.	<b>Caution-</b> important action required to address identified issues.
4	Non-compliant	60-74	4	High	Minimal effort has been made to address the defects identified during the previous inspection.	<b>Urgent-</b> Action required
5	Significantly non-compliant	0-59	5	Very high/ Already failed	No effort is applied in curing identified defects during previous inspection.	<b>Critical-</b> immediate action required.

**Table 2.0: Inspection Index for Kakata/Margibi County**

No.	Inspection Index
1	Previous Documentation Checklist
2	Previous Substation Checklist
3	Previous High Voltage (66kV) Network checklist
4	Previous Medium Voltage (33kV) Network Checklist
5	Previous Low voltage (0.4/0.230kV) Network Checklist
6	Previous Transformer Checklist
7	Previous Metering Checklist
8	Previous Safety Coordination
9	Previous Punch List

**Table 3.0: Inspection Index for Bomi and Grand Cape Mount Counties**

No.	Inspection Index
1	Previous Documentation Checklist
2	Previous Substation Checklist
3	Previous High Voltage (66kV) Network checklist
4	Previous Medium Voltage (33kV) Network Checklist
5	Previous Low voltage (0.4/0.230kV) Network Checklist
6	Previous Transformer Checklist
7	Previous Metering Checklist
8	Previous Safety Coordination
9	Previous Punch List

### **3.0 Summary of Regulatory Compliance Scores for Follow-up Inspections in Kakata, Bomi, and Grand Cape Mount Counties**

Tables 5 and 7 present a summary of the regulatory compliance scores for the follow-up inspections conducted within the Liberia Electricity Corporation (LEC) network corridors in Kakata, Bomi, and Grand Cape Mount Counties.

The compliance scorecard applies a rating scale from one (1) to five (5), where a score of one (1) represents the highest level of compliance and a score of five (5) represents the lowest level of compliance (non-compliance).

**Table 5.0: Summary of Regulatory Compliance Score Card Kakata/Margibi**

No.	Inspection Index	Compliance Status				
		1	2	3	4	5
1	Documentation Checklist					X
2	Substation Checklist (66/33 kV)					X
3	High Voltage (66kV) Network checklist			X		
4	Medium Voltage(33kV) Network Checklist		X			
5	Low voltage (0.4/0.230kV) Network Checklist					X
6	Transformer Checklist		X			
7	Metering Checklist			X		
8	Safety Coordination					X

Tables 6 and 8 present the overall regulatory compliance scores for the Liberia Electricity Corporation (LEC) service areas in Kakata/Margibi, Bomi, and Grand Cape Mount for the same period under review.

**Table 6.0: Overall Regulatory Non-Compliance Score of LEC Kakata Network**

No.	Inspection Index	Compliance Status				
		1	2	3	4	5
1	Overall Non-Compliance Status				X	

The overall compliance status of LEC for the Kakata network service areas is **Non-Compliant**. This indicates a high risk level as minimal effort has been made to address the defects identified on the Punch List. Urgent corrective action is therefore required to address identified issues. Refer to Table 1.0 for explanatory notes on the various ratings of the scorecard and Table 3.0 for compliance rating.

**Table 7.0: Summary of Regulatory Compliance Score Card Bomi and Grand Cape Mount Counties**

No.	Inspection Index	Compliance Status				
		1	2	3	4	5
1	Documentation Checklist					X
2	Substation Checklist (66/33 kV)					X
3	High Voltage (66kV) Network checklist					X
4	Medium Voltage(33kV) Network Checklist					X
5	Low voltage (0.4/0.230kV) Network Checklist					X
6	Transformer Checklist	X				
7	Metering Checklist					X
8	Safety Coordination					X

**Table 8.0: Overall Regulatory Non-Compliance Score of LEC Bomi & Grand Cape Mount Network**

No.	Inspection Index	Compliance Status				
		1	2	3	4	5
1	Overall Non-Compliance Status					X

The overall compliance status of LEC for the Bomi & Cape Mount network service areas is **Significantly Non-Compliant** as no efforts have been made to address the defects identified on the Punch List. **Critical**- immediate action required to resolve the identified issues. Refer to Table 1.0 for explanatory notes on the various ratings of the scorecard and Table 3.0 for compliance rating.

#### 4.0 Summary of Utility Performance Findings in Kakata/Margibi County

##### **Network**

No.	Location	Defect	Action Required	Initial Curing Date	Status
1	Kakata City; Kakata-Weala corridor	Burnt poles and rotten poles	Replace with concrete poles or steel poles.	April 15,2025	Compliant
2	KRTTI Campus	Badly leaning LV Pole	Replace Pole	April 15,2025	Non-compliant
3	Kakata City and Towns along Kakata to Weala corridor	Birds nesting in LV breaker enclosures	Remove bird nesting and initiate regular inspection	April 10,2025	Compliant
4	Kakata substation	Absence of Standby Diesel Generator	Install Standby Genset	April 30,2025	Compliant
5	Kakata	Use of dilapidated and not road worthy vehicles	Replace with road worthy vehicles	June 30,2025	Compliant
6	Kakata Substation	Cracks in transformer blast wall	Investigate structural integrity and take corrective actions	May 30,2025	Non-compliant
7	Kakata	Absence of staff office	Identify suitable area and relocate all staff not assigned in substation; have office for FBBU team outside of the substation. Substation is a critical place that needs full attention, having FBBU conducting business inside the control room is not appropriate.	April 30,2025	Non-compliant
8	Kakata substation	Absence of safe vehicle entrance and exit routes.	Construct new safe vehicle entry and exit routes	June 30,2025	Non-compliant

		The only drive way/walk way to the control building is through the gantry structure, this is hazardous. If fire incident should occur, where will the staff members go or where will vehicle pass to access the building?	and permanently lock existing entrance.		
9	Kakata substation	Absence of ware housing facility.  To safe response time, you cannot continue to take materials from Monrovia to Kakata for every little work. FBBU should be support.	Install ware house, discontinue littering of materials in substation yard, and have a warehouse management team on the ground.	April 30,2025	Non-compliant
10	Kingsville, Number 7	About 15 to 17 pole span LV cables are on sticks.	Ensure LV poles are erected to house the cables.	April 30, 2025	Non-compliant
11	Margibi Distribution service area (Todee to Kakata, Kakata to Weala	Partial vegetation management	Initiate comprehensive vegetation management and control program.	May 30,2025	Non-compliant
12	Margibi Distribution service area in Kakata	Limited distribution network	Initiate Network expansion and reinforcement program.	December 30, 2025	Non-compliant
13	Margibi Distribution service area (Kakata – Gate 15, Kakata – Weala)	Absence of safety awareness to discourage bush fires and vandalism to grounding.	Initiate awareness programs.	April 10,2025	Non-compliant
14	Jeety Rubber Factory	Absence of operation coordination with LEC	Initiate a coordination	April 15,2025	Compliant

			Plan to improve advance notices of switching to curtail abrupt interruptions		
15	Kakata substation	Damaged substation exits door and damaged locking facilities on ACDB and DCDB.	Repair or replace damaged door and repair ACDB and DCDB locking facilities.	April 15, 2025	Non-compliant
16	Kakata substation	Inadequate bathroom and poor plumbing system. The well is sinking.	Improve with corrective actions taken	April 30,2025	Non-compliant
17	Kakata substation	Inadequate lighting on gantry structure and around substation facility.	Improve lighting challenges.	April 30,2025	Non-compliant
18	Margibi Distribution service area	Wrongful installation of customer premise meters	Relocate to appropriate locations as specified in regulations and codes	July 30,2025	Compliant
19	Substation Switchyard, Kakata City and Konola Community	Leakage transformer oil (station transformer & distribution transformer) and damaged distribution transformers.	Resolve all leakage oil issue and replace all the damaged transformers.	June 30, 2025	Compliant
20	Kakata Substation	Damaged base radio.	Repair or replace base radio, communication is very important in substation management.	April 30, 2025	Compliant
21	Kakata Substation	Soil/ground overtaking crushed rocks in switchyard.	Put additional crushed rocks in switchyard.	April 30, 2025	Non-compliant
22	Kakata Substation	Lack of records on Power frequency, power factor, and reactive power.	All register or logbook at the Substation should include	May 1, 2025	Non-compliant

		Lack of maintenance record.	records of the Power frequency, the power factor, and the reactive power.  Make available maintenance record.		
23	Kakata Substation	Lack of switching instruction.  Lack of fire alarm.	Make available switching instructions  Put in place fire alarm system.	June 30, 2025	Non-compliant
24	Kakata to Weala Feeder, a building near Republic Entertainment.  Kakata to Gate 15	Low 33kV Clearance  Bushfire damaging raiser conductors/cables.	Shift the lines or use sleeves on the conductors.  Clean the spot, place crushed rocks and fence raiser cabling points.	June 30, 2025	Non-compliant

25	Kakata, Kakata to Weala and Kakata to Gate 15	Damaged and defective streetlights.	Repair or replace all damage and defective streetlights	June 30, 2025	Non-compliant
26	Kakata Substation	Cracked CT	Resolved cracked CT in switchyard.	June 30, 2025	Compliant
27	Kakata and environs	Inadequate of metering.	Ensure metering is done in communities.	June 30, 2025	Compliant
28	Cooper Farm – Yellow Machine Community, and Radio Kakata, Weala Jetty Corridor, Konola Community	Damaged 25 kVA transformer	Replace the damaged 25 kVA  Remove the damaged transformers from Radio Kakata, Weala Jetty Corridors, and Konola Community.	April 30, 2025	Non-compliant
29	14 Road, Mandingo Quarter, and others	Damaged enclosures on poles.	Remove all damaged enclosures from poles.	June 30, 2025	Non-compliant

30	Morris Farm	50 kVA transformer ground is cut.	Replace the grounding.	June 30, 2025	Non-compliant
31	Konola Mission	Leaning LV pole	Replace the leaning pole	April 30, 2025	Non-compliant
32	LEC Documentation Checklist	Network Documentation Management	Ensure all required documents are developed.	April 30, 2025	Non-compliant

## Documentation

Codes	Regulatory Criteria	Comment	Status
4.2.1, EDCL	Has the Licensee or Permit Holder filed with the LERC a list of "Non-compliance" assets consistent with the EDCL?	NA	Non-compliant
6.1.1, EDCL	Has the Licensee or Permit Holder developed, published, and provided in hard copies detailed requirements, qualifications, and administrative procedures to be fulfilled or followed by those seeking services provided by the Licensee or Permit Holder? See EDCL 8.2.3.	NA	Non-compliant
7.4.1, EDCL	Has the Licensee or Permit Holder Provided its Annual Distribution Network Planning Report to the LERC? See EDCL 7.1, 7.4.1, 7.4.2, 7.4.3, and 7.4.5	NA	Non-compliant
7.5.1, EDCL	Has the Licensee or Permit Developed its System Studies to support development of its [5-Year] Distribution Plan?	NA	Non-compliant
7.5.3, EDCL	Has the Licensee or Permit Holder published the Distribution Network Planning Report on its Website as required by the EDCL?	NA	Non-compliant
8.1, EDCL	Is the Licensee or Permit Holder abiding by Appendix A: information in a connection agreement with a customer of EDCL?	NA	Non-compliant
16.2.8, EDCL	Has the licensee or Permit Holder established and implemented operating instructions, procedures, standards, and guidelines to cover the safe operation of the distribution system under normal and abnormal system conditions?	NA	Non-compliant
16.6b, EDCL	Does the Licensee or Permit Holder record the secondary currents and voltages of the	NA	Non-compliant

	distribution transformers at least once a month during expected peak load hours on all the phases?		
16.7.2, EDCL	Has the Licensee or Permit Holder established a Technical and Safety Management Plan (TSMP) and implementation guidelines to ensure the health and safety of personnel working on the distribution system or any equipment connected to the distribution system? See 16.7.2, 16.7.3, and 16.7.5.	NA	Non-compliant
16.8.4, EDCL	Has the Licensee or Permit Holder established a corporate policy that addresses environmental stewardship such as a Health Safety and Environmental Management Plan (HEMP) for all its operations?	NA	Non-compliant
16.10.1, EDCL	Is the Licensee or Permit Holder abiding by the Planned Interruptions/Reliability of Supply Standards indices/targets?	NA	Non-compliant
16.10.2, EDCL	Has the Licensee's or Permit Holder's policies and procedures for planned outages been described in the Customer Service Charter?	NA	Non-compliant
16.13.1, EDCL	Has the Licensee or Permit Holder developed and maintained a Distribution System Emergency Procedures Manual? See 16.13.4 and section 18 of the EDCL	NA	Non-compliant
16.13.13, EDCL	Has the Licensee or Permit Holder conducted network studies such as load flow, fault level, stability, and resonance studies?	NA	Non-compliant
16.23.1, EDCL	Does the Licensee or Permit Holder have maintenance schedules for Lines and Equipment Testing?	Yes	Compliant
16.24.2, EDCL	Does the Licensee or Permit Holder have an inventory of spare required for maintenance and replacement?	NA	Non-compliant
16.25, EDCL	Does the Licensee or Permit Holder have a training program for cold and hot line workers that meets up-to-date health and safety techniques?	NA	Non-compliant
18, EDCL	Has the Licensee or Permit Holder developed its Emergency Response Plan? See section 18 of EDCL for details.	NA	Non-compliant
19.3.3,	Before 31 December each year, the Licensee or Permit Holder must have published on its targets	NA	Non-

EDCL	agreed with LERC for reliability of supply for the following year. Has the Licensee or Permit Holder done so?		compliant
EDCL 20.8.1	Has the licensee or Permit Holder created, maintained, and administered a metering database containing the following information below:  (a) Name and unique identifier of the metering installation; (b) the date on which the metering installation was commissioned; (c) the connecting parties at the metering installation; (d) maintenance history schedules for each metering installation (e) telephone numbers used to retrieve information from the metering installation (f) type and form of the metering installation. (g) fault history of a metering installation; and (h) commissioning documents for all metering installations	NA	Non-compliant
21.10.1 1 EDCL	Does the licensee or Permit Holder have stored operational information that is kept electronically for at least five or the life of the plant or equipment concerned?	NA	Non-compliant
21.11.1 , EDCL	Does the licensee or Permit Holder have network performance indicators, operational information, and reports?	NA	Non-compliant
21.11.3 , EDCL	Does the licensee or Permit Holder published weekly report on the power distribution system performance, including a report on Significant incidents and operating conditions relevant to the operation of the distribution system?	NA	Non-compliant
22.1.1, EDCL	Does the licensee or Permit Holder have a customer Service Charter?	Yes	Compliant
EDCL	Has the licensee or Permit Holder filed annual summary reports of detailed patrol inspection activities that have taken place during the previous year as well as an outline of inspection plans (“compliance plan”) for the forthcoming year? See Table C-2 Sample annual Inspection Summary Report (page 161 of EDCL).	NA	Non-compliant
EDCL	Has the licensee or permit Holder carried out the distribution system inspection cycles (Minimum number of inspection/patrols in a year) as		Non-compliant

	required in TABLE C-1 of the EDCL?		
EDCL	Check Appendix 8 for details on Appendix C- (Minimum inspection Requirements C.1 Distribution Inspection Standards).	NA	Non-compliant
EDCL	Is the Licensee or Permit Holder abiding by the EDCL/Technical Schedule TG-G: CUSTOMER SERVICE PERFORMANCE STANDARDS/INDICES/TARGETS?	NA	Non-compliant

## 5.0 Recommendations on the outcome of Kakata/Margibi County Follow-up Inspections

Based on the outcome of the updated Punch List for Kakata, LEC is non-compliant. Consequently, pursuant to the applicable provisions of the Penalty Regulations, the following are recommended:

- a) **Regulation 14. VIOLATION RELATING TO TECHNICAL STANDARDS AND CODES (1) Fails to comply with a required standard of performance in the provision of its services, Class C.** LEC shall be fined the amount of USD 2,500 for first violation.
- b) **Regulation 15. VIOLATION RELATING TO HEALTH AND SAFETY Class B.** LEC shall be fined the amount of USD 300 for this violation.

## 6.0 Summary of Utility performance Findings in Bomi and Grand Cape Mount Counties

### Network

No.	Location	Defect	Action Required	Initial Curing Dates	Status
1	Po River – Kle Substation	Encroachment in the right of way (ROW)	Working with the Ministry of Public Works to define the ROW is essential and remove all structures in the ROW.	October 2025	Non-compliant
2	Kle – Madina, Kle – Po River, Kle – Tubmanburg  Virginia – Kle 66kV	Poor Vegetation Clearing Management	Immediate Action: Accelerate vegetation clearing and extend 5m beyond the line routes, dig out stumps and spray(chemical) line routes.  Long term: Use a machine to clear vegetation.	June 2025  January 2026	Non-compliant
3	Po River – Kle Sub	Pole #94 foundation undermined.	Backfill foundation	May 2025	Non-compliant
4	Po River – Sass Town	Monopole (364 – 374) foundation failure.	Construct new foundations	June 2025	Non-compliant
5	Po River – Tubmanburg – Robertsport – Bo Waterside (Bomi & Cape Mount)	Indiscriminate startup of bush fires.	Accelerate the replacement of wood poles to concrete & steel poles.	January 2026	Non-compliant
6	Kle Substation	Cracks on the substation floor at the entry door.	Repair steps and entry.	June 2025	Non-compliant
7	Kle Substation	Base radio damaged	Replace base	May 2025	Non-

		and handset signals fluctuate/drop leaving a communication gap between dispatch, substation, and generation during operations and switching.	radio and desk phone must be able to record and store switching and operational instructions.		compliant
8	Kle Substation	Door handles on both outside and inside are all damaged.	Replace door handles.	May 2025	Non-compliant
9	Kle Substation	Leakage in the bathroom from the rooftop/casting.	Repair leakage spot.	May 2025	Non-compliant
10	Kle Substation	Damaged plumbing fixture in the bathroom and malfunctioning hot water system.	Repair all damaged and malfunctioning plumbing fixtures.	May 2025	Non-compliant
11	Kle Substation	Absence of substation maintenance history/evidence or maintenance plan.	Make available the maintenance record and plan at the substation.	May 2025	Compliant
12	Kle Substation	Window bar is removed.	Repair window bar.	May 2025	Non-compliant
13	Kle Substation	Flood marks observed on the substation building.	Additional crushed rocks and painting of control building required.	May 2025	Non-compliant
14	Kle – Madina, Kle – Po River, Kle - Tubmanburg	Limited isolation point.	Additional Isolation points required.	September 2025	Compliant
15	Kle, Tubmanburg, Gbah, Tienii, Bo Waterside	Some damaged guys/stays on LV poles in Kle, Tubmanburg, Gbah, Tienii, Bo Waterside.	Repair all damaged stays.	June 2025	Compliant
16	Kle, Tubmanburg, Gbah, Tienii, Bo Waterside, Guie,	Faulty streetlights	Repair all faulty streetlights.	June 2025	Non-compliant

	Government Farm, Robertsport, Nimba Point, Sinje, Gohnzoduah, Dorwuzu Farm, Daniel Ton Nyielah, Kpeneji, weilor, Ngardonhun, and others				
17	Bomi and Cape Mount	Meters installed at customer's premises are largely bypassed.	Rectify metering issues and have a team going from town to town to resolve these issues.	October 2025	Non-compliant
18	Sass Town and Tubmanburg	Leaning Transformers	Level and align all leaning transformers.	May 2025	Compliant
19	Bomi and Cape Mount	Absence of equipment	Dedicated equipment (Crane Truck, Bucket Truck, etc.) required.	January 2026	Non-compliant
20	Bomi and Cape Mount	Limited manpower	Increase Manpower	October 2025	Non-compliant
21	Po River to Kle 66 kV	A few loose HV guy/stays are still in those areas.	Restore all loosed guys/stays	October 2025	Non-compliant
22	Kle – Tubmanburg, Kle – Po River, & Kle - Madina	Other extensions on these 33 kV feeders do not have isolation points.	Ensure every extension has an isolation point.	May 2025	Non-compliant
23	Gbah	Vandalized ground (100 kV and 200 kV)	Ensure the grounding system for those transformers are restored.	May 2025	Non-compliant

## Documentation

<b>Codes</b>	<b>Regulatory Criteria</b>	<b>Comment</b>	<b>Status</b>
4.2.1, EDCL	Has the Licensee or Permit Holder filed with the LERC a list of "Non-compliance" assets consistent with the EDCL?	NA	Non-compliant
6.1.1, EDCL	Has the Licensee or Permit Holder developed, published, and provided in hard copies detailed requirements, qualifications, and administrative procedures to be fulfilled or followed by those seeking services provided by the Licensee or Permit Holder? See EDCL 8.2.3.	NA	Non-compliant
7.4.1, EDCL	Has the Licensee or Permit Holder Provided its Annual Distribution Network Planning Report to the LERC? See EDCL 7.1, 7.4.1, 7.4.2, 7.4.3, and 7.4.5	NA	Non-compliant
7.5.1, EDCL	Has the Licensee or Permit Developed its System Studies to support development of its [5-Year] Distribution Plan?	NA	Non-compliant
7.5.3, EDCL	Has the Licensee or Permit Holder published the Distribution Network Planning Report on its Website as required by the EDCL?	NA	Non-compliant
8.1, EDCL	Is the Licensee or Permit Holder abiding by Appendix A: information in a connection agreement with a customer of EDCL?	NA	Non-compliant
16.2.8, EDCL	Has the licensee or Permit Holder established and implemented operating instructions, procedures, standards, and guidelines to cover the safe operation of the distribution system under normal and abnormal system conditions?	NA	Non-compliant
16.6b, EDCL	Does the Licensee or Permit Holder record the secondary currents and voltages of the distribution transformers at least once a month during expected peak load hours on all the phases?	NA	Non-compliant
16.7.2, EDCL	Has the Licensee or Permit Holder established a Technical and Safety Management Plan (TSMP) and implementation guidelines to ensure the health and safety of personnel working on the distribution system or any equipment connected to the distribution system? See 16.7.2, 16.7.3, and 16.7.5.	NA	Non-compliant
16.8.4,	Has the Licensee or Permit Holder established a	NA	Non-

EDCL	corporate policy that addresses environmental stewardship such as a Health Safety and Environmental Management Plan (HEMP) for all its operations?		compliant
16.10.1, EDCL	Is the Licensee or Permit Holder abiding by the Planned Interruptions/Reliability of Supply Standards indices/targets?	NA	Non-compliant
16.10.2, EDCL	Has the Licensee's or Permit Holder's policies and procedures for planned outages been described in the Customer Service Charter?	NA	Non-compliant
16.13.1, EDCL	Has the Licensee or Permit Holder developed and maintained a Distribution System Emergency Procedures Manual? See 16.13.4 and section 18 of the EDCL	NA	Non-compliant
16.13.13, EDCL	Has the Licensee or Permit Holder conducted network studies such as load flow, fault level, stability, and resonance studies?	NA	Non-compliant
16.23.1, EDCL	Does the Licensee or Permit Holder have maintenance schedules for Lines and Equipment Testing?	Yes	Compliant
16.24.2, EDCL	Does the Licensee or Permit Holder have an inventory of spare required for maintenance and replacement?	NA	Non-compliant
16.25, EDCL	Does the Licensee or Permit Holder have a training program for cold and hot line workers that meets up-to-date health and safety techniques?	NA	Non-compliant
18, EDCL	Has the Licensee or Permit Holder developed its Emergency Response Plan? See section 18 of EDCL for details.	NA	Non-compliant
19.3.3, EDCL	Before 31 December each year, the Licensee or Permit Holder must have published on its targets agreed with LERC for reliability of supply for the following year. Has the Licensee or Permit Holder done so?	NA	Non-compliant
EDCL 20.8.1	Has the licensee or Permit Holder created, maintained, and administered a metering database containing the following information below: (i) Name and unique identifier of the metering installation; (j) the date on which the metering installation was commissioned;	NA	Non-compliant

	(k) the connecting parties at the metering installation; (l) maintenance history schedules for each metering installation (m) telephone numbers used to retrieve information from the metering installation (n) type and form of the metering installation. (o) fault history of a metering installation; and (p) commissioning documents for all metering installations		
21.10.1 1 EDCL	Does the licensee or Permit Holder have stored operational information that is kept electronically for at least five or the life of the plant or equipment concerned?	NA	Non-compliant
21.11.1 , EDCL	Does the licensee or Permit Holder have network performance indicators, operational information, and reports?	NA	Non-compliant
21.11.3 , EDCL	Does the licensee or Permit Holder published weekly report on the power distribution system performance, including a report on Significant incidents and operating conditions relevant to the operation of the distribution system?	NA	Non-compliant
22.1.1, EDCL	Does the licensee or Permit Holder have a customer Service Charter?	Yes	Compliant
EDCL	Has the licensee or Permit Holder filed annual summary reports of detailed patrol inspection activities that have taken place during the previous year as well as an outline of inspection plans (“compliance plan”) for the forthcoming year? See Table C-2 Sample annual Inspection Summary Report (page 161 of EDCL).	NA	Non-compliant
EDCL	Has the licensee or permit Holder carried out the distribution system inspection cycles (Minimum number of inspection/patrols in a year) as required in TABLE C-1 of the EDCL?		Non-compliant
EDCL	Check Appendix 8 for details on Appendix C- (Minimum inspection Requirements C.1 Distribution Inspection Standards).	NA	Non-compliant
EDCL	Is the Licensee or Permit Holder abiding by the EDCL/Technical Schedule TG-G: CUSTOMER SERVICE PERFORMANCE STANDARDS/INDICES/TARGETS?	NA	Non-compliant

## **7.0 Recommendations on the outcomes of Bomi and Grand Cape Mount Counties Follow -up Inspections.**

Based on the outcome of the updated Punch List for Bomi and Grand Cape Mount Counties, LEC is Significantly Non-compliant. Consequently, pursuant to the applicable provisions of the Penalty Regulations, the following are recommended:

- c) **Regulation 14. VIOLATION RELATING TO TECHNICAL STANDARDS AND CODES (1) Fails to comply with a required standard of performance in the provision of its services, Class C.** LEC shall be fined the amount of USD2,500 for first violation.
- d) **Regulation 15. VIOLATION RELATING TO HEALTH AND SAFETY Class B.** LEC shall be fined the amount of USD300 for this violation.

FROM THE FIELD (EXHIBIT 1)



Leaning LV Pole Supported with Metal/KRTTI



Materials Store Behind Switchgear/Kle Sub.



Sinking Well at Kakata Sub.



Failed/Sinking 66kV Foundation



Burned MV Pole along Robertsport



Entrance of the Kle Substation



Damaged Window Bar at Kle Sub.



Materials outside the Kle Sub.



Team Radio Appearance in Cape Mount



Marketers Under Transformer in Gbali



Rectified Leaning Transformer