

ORDER/NERC/2023/033

BEFORE THE NIGERIAN ELECTRICITY REGULATORY COMMISSION IN THE MATTER OF THE TARIFF REVIEW APPLICATION BY YOLA ELECTRICITY DISTRIBUTION PLC

Title

1. This regulatory instrument shall be cited as the Multi-Year Tariff Order ("MYTO") 2024 for Yola Electricity Distribution Plc.

Commencement

2. This Order shall take effect from 1st January 2024 and it shall cease to be effective on the issuance of a new tariff review order for Yola Electricity Distribution Plc ("YEDC") by the Nigerian Electricity Regulatory Commission ("NERC" or the "Commission").

Objectives

3. This Order seeks to:

- a. Ensure that prices charged by YEDC are fair to customers and are sufficient to allow YEDC to fully recover the efficient cost of operation, including a reasonable return on the capital invested in the business in accordance with section 116 of the Electricity Act 2023 ("EA").
- b. Reset industry parameters and performance obligations to incentivise improvement of efficiency and service experience of electricity consumers.
- c. Ensure sustained improvement in meter deployment and quality of supply in line with YEDC's CAPEX proposal and service improvement commitment.
- d. Ensure that tariffs payable by YEDC's customers are commensurate and aligned with the quality and availability of power supply committed to customer clusters by YEDC.
- e. Provide a framework for the settlement of imbalances between TCN and YEDC on delivery and off-take of available energy in accordance with the Market Rules, Vesting Contracts and other industry documents.
- f. Support payment securitisation of market contracts and market discipline.
- g. Support transition to bilateral contracts and procurements of bulk energy to meet the supply needs of customers.

Context

- YEDC applied for the review of its tariffs under section 116 of the EA, given changes to macroeconomic indices and other tariff variables in order to maintain effective business operations. The key highlights of YEDC's application include:
 - Changes to the Nigerian and United States inflation and foreign exchange rates a. in view of significant movement in these indices.
 - A reset of the Aggregate Technical Commercial and Collection ("ATC&C") b. losses applied in tariff determination to 56.00% effective from 1st January 2024 to reflect operating realities.
 - Plan to deploy 405,196 end-use customer meters over a 5-year tariff period to C. eliminate estimated billing.
 - Commitment to execute capital investment projects that will enable the utility to d. achieve service delivery targets.
 - Revision of operating expenses ("OPEX") to improve responsiveness to fault clearing and customer complaints.
 - Plan the exit of YEDC from NBET's Vesting Contract regime thereby allowing f. YEDC to procure electricity directly from Generation Companies ("GenCos") through bilateral contracts.
- The details of the rate application filed by YEDC are summarised in Table 1 below -5.

Table - 1 Summary of YEDC's Rate Application

	Parameter	YEDC's Request
1	Average Energy offtake (MWh/h)	113MWh/h
2	ATC&C Loss Target	56.00%
3	Annual OPEX (₦' billion)	15.59
4	Annual Meter CAPEX (₩' billion)	23.86
5	Annual Other CAPEX (₩' billion)	9.49
6	Annual Revenue Requirement (₦' billion)	102.43
7	Cost-reflective tariff (\#/kWh)	219.56
8	Allowed Tariff (₦/kWh)	101.04
9	Tariff shortfall (₦/kWh)	118.52
		Ang. 7.80 Dd

Review of the Application

- 6. Further to the receipt of the YEDC's application for rate review, the Commission, in compliance with the provisions of the EA and extant regulatory instruments, published the Application on its website and issued notices in 4 national newspapers on July 14, 2023, soliciting stakeholder comments and participation in a public hearing on the Rate-Case Application. A total of 54 written and oral submissions were received and considered during and after the public hearing held on 27th July 2023 before making a ruling on the tariff application.
- 7. The public hearing on the rate-case application was presided over by a panel of 3 commissioners in compliance with the Business Rules of the Commission, with special invitations for the participation of key stakeholders including the Federal Competition and Consumer Protection Commission ("FCCPC"), Consumer Advocacy Groups ("CAGs"), Nigerian Society of Engineers ("NSE"), National Union of Electricity Employees ("NUEE"), Manufacturers Association of Nigeria ("MAN"), Nigerian Association of Chambers of Commerce, Industry, Mines, and Agriculture ("NACCIMA"), the Bureau of Public Enterprises ("BPE"), Transmission Company of Nigeria Plc ("TCN"), registered intervenors and YEDC's customers. The rate case application was subjected to robust interrogation/scrutiny by attendees.
- 8. The comments received on the application were duly considered by the Commission during the evaluation process. The highlights of the comments made by stakeholders included
 - The need to minimise or delink the exposure of electricity tariffs to fluctuations in exchange rates and the international oil and gas market.
 - b. The slow pace of meter rollout contributing to higher losses and the cost of the operations of the public utility.
 - c. Low quality of services rendered by YEDC and non-adherence to the service-based obligation.
 - d. Need to ensure that the DisCo excludes assets contributed/procured by customers from its revenue requirement.
 - e. Concerns over the prudence of DisCos' historic operating expenses ("OPEX") and capital expenditures ("CAPEX").
 - f. Concerns over corporate governance practices and internal control policies inhibiting service delivery.
- 9. The review of the application by the Commission duly considered the comments including the impact of changes in macroeconomic variables, prudence in expenditure, and operational efficiency parameters including ATC&C losses, energy offtake requirements and meter rollout plans provided in YEDC's revenue requirement and resultant end-user tariffs.

- 10. In reviewing YEDC's application, the varying levels of infrastructural development in the utility's network that is directly attributable to the differential level of supply quality experienced by customers in YEDC's network were considered. Accordingly, this Order reiterates the industry's commitment to Service-Based Tariffs ("SBT") in ensuring that rates paid by customers are in alignment with the quality of service to customer clusters as measured by the daily average availability of power supply on 33kV and 11kV feeders over a 2-month reference period. The Order further seeks to incentivise the public utility to invest across its entire network towards improving access and reduction of losses.
- 11. Pursuant to the review of the application filed by YEDC and the outcome of the public hearing on the rate-case application, the Commission hereby approves the following key components of YEDC's rate application as summarised in Table 2 below.

Table - 2 Summary of NERC's Decision on YEDC's Application

	Parameter	YEDC's Request	NERC's Approval
	Nigeria Inflation	28.	20 %
2	United States Inflation	3.1	0 %
3	Foreign Exchange (₦/\$)		.39/\$1
4	Average Energy Offtake (MWh/h)	113MWh/h	113MWh/h
5	ATC&C Loss Target	56.00%	56.00%
6	Annual OPEX (₦' billion)	15.59	10.60
7	Annual Meter CAPEX (₩' billion)	23.86	6.25
8	Annual Other CAPEX (₩' billion)	9.49	0.36
9	Annual Revenue Requirement (₩' billion)	102.43	93.22
10	Cost-reflective tariff (₦/kWh)	219.56	214.10
11	Allowed Tariff (₩/kWh)	101.04	66.00
12	Tariff shortfall (₩/kWh)	118.52	148.10

Basis for the Decision

12. Section 34(d) of the EA mandates the Commission to ensure that prices charged by licensees are fair to customers and are sufficient to allow the licensees to fully recover the efficient cost of operation, including a reasonable return on the capital invested in the business. Section 116(2)(c) of the EA further provides for approval of tariffs that incentivise continuous improvement of the quality of service. Pursuant to the aforementioned sections of the EA and in line with the subsisting MYTO methodology, the underlisted indices with potential impact on electricity rates were considered in deciding on the YEDC application.

- a. Nigerian Inflation Rates: The Nigerian rate of inflation for November 2023 as obtained from the National Bureau of Statistics ("NBS") was 28.20%. This rate was adopted to project Nigerian inflation rates for the year 2024 and beyond.
- b. Exchange Rate: The Naira to the US Dollar exchange rate of \$\frac{14}{9}919.39/US\$1 representing the average forex rate of \$\frac{14}{9}911.29/US\$1 during 18-22 December 2023 as obtained from the website of the Central Bank of Nigeria ("CBN") plus 1% in line with the MYTO methodology, was adopted to project the Naira to US Dollar exchange rate.
- c. US Inflation Rates: Based on the data obtained from the United States Bureau of Labor Statistics (http://www.bls.gov), the US inflation rate for November 2023 was 3.10%. This rate was adopted for this review to project US Inflation rates for the year 2024 and beyond.
- d. Contracted energy offtake: This Order recognises a revision to YEDC's partially contracted capacity to ensure a minimum energy offtake of 113MWh/h with effect from 1st January 2024. YEDC is obligated by this Order to finalise its bilateral contract negotiations by 30th June 2024.
- e. Gas Price: The benchmark gas price of US\$2.18/MBTU, gas transportation cost of US\$0.80/MBTU, and contracted gas prices outside Domestic Gas Delivery Obligation quantities and based on effective Gas Sale Agreements ("GSAs") approved by the Commission were adopted.
- f. CAPEX Adjustment: Pursuant to the provision of Section 7(a) of Regulations on Procedure for Electricity Tariff Reviews in the NESI, adjustments were made to TCN and DisCos' MYTO CAPEX provisions to account for material variances between the actual CAPEX utilisation and MYTO CAPEX provisions.

13. Aggregate Technical Commercial and Collection Losses

The Performance Agreement ("PA") between YEDC and the Bureau of Public Enterprises ("BPE") provided the minimum performance indices expected of YEDC for the initial years of the privatisation transaction. The expiration of the PA in December 2021 provided the opportunity to reset the performance parameters relative to operating conditions and market realities. YEDC proposed a review to reset its new baseline ATC&C loss levels to 56.00%. Following the review, the Commission approved a new baseline ATC&C loss level of 56.00% for YEDC effective from 1st January 2024. The approved ATC&C loss level is considered to be fair and reasonable given current operating conditions and comparable benchmarks within and outside NESI. Table 3 below provides YEDC's proposed and approved ATC&C loss targets for the period 2023 to 2027.

Table-3: ATC&C Loss Target for YEDC 2024 - 2027

	. 41 901 101	LDC ZUZ-	- 202/	
Year	2024	2025	2026	2027
YEDC's Reset Request	56.50%	44.00%	29.00%	29.00%
Approved ATC&C Loss Target	56.00%	44.00%		
i	50.00%	44.00%	<u>29.00%</u>	23.169

ng O 1.18

14. Operating Expenses

YEDC applied for an upward review of its annual operating expenses ("OPEX") to reflect changes in the macroeconomic environment to sustain and improve service delivery to its customers. YEDC's OPEX proposal was reviewed in line with relevant industry benchmarks and peculiarities of YEDC's operating conditions. Table 4 below provides a summary of YEDC's approved OPEX in relation to its application.

Table – 4: Approved Annual OPEX for YEDC

Year	YEDC's OPEX Request	NERC Approved OPEX	
	+'Million	N'Million	
Admin OPEX	7,742	4,770	
Fixed OPEX	1,037	1,060	
Variable OPEX	6,816	4,770	
Total OPEX	15,595	10,600	

15. Meter Rollout Programme

In addition to other sector-led end-user metering initiatives in the NESI, this Order has considered YEDC's proposed end-user customer meter rollout programme to eliminate estimated billing within the next 5 years. Over the tariff review period, YEDC is mandated to install a minimum of **65,000** meters annually over 5 years towards phasing out the use of estimated billing methodologies in its network. Table-5 below provides the details of the meter rollout plan for YEDC from 2023 to 2027.

Table 5: Meter Rollout Programme for YEDC for the period 2024 - 2027

CONTRACTOR OF THE PROPERTY OF THE PARTY OF T	A STATE OF THE REPORT OF THE PROPERTY OF THE PARTY OF THE	A CANADA DE CARRON SER AL CARRON SER AND	polica	2027 - 2021	
Year	2024	2025	2026	2027	
Number of meters	65,000	65,000	65,000	65,000	
Amount	₩6.25Billion	₩6.25Billion	₩6.25Billion	¥6.25Billion	

16. Aggregate Capital Expenditure ("CAPEX") Plan

In addition to end-user meter rollout, YEDC's rate-case filling included proposed CAPEX for other service improvement initiatives. YEDC may, subject to the approval of the Commission, front-load its expenditure in any year to achieve its service improvement objectives on critical investment needs based on its Performance Improvement Plan ("PIP"). The allowed returns on any unutilised portion of YEDC's annual CAPEX provision shall be clawed back during minor reviews of tariffs in addition to further regulatory sanctions as applicable. Accordingly, the approved rates contained in this Order have allowed limited provisions to finance planned CAPEX programmes as well as applied necessary adjustments to the verified historical investments of YEDC. Table-6 below provides the annual approved aggregate CAPEX (inclusive of meter rollout) provision for YEDC.

Table-6: YEDC's Aggregate CAPEX Programme for 2024 - 2027

V_	The state of the s		ne for 2024	- 202/	
Year	2024	2025	2026	2027	
	N' Million	N' Million	N Million	N' Million	
YEDC's Request	33,353	33,353	33,353	33,353	
NERC's Approval	<u>6,610</u>	<u>6,610</u>	6,610	6,610	

17. Minimum Energy Offtake and Transition to Bilateral Contracts

The Order recognises a revision to YEDC's partially contracted capacity to ensure a minimum energy offtake of 113MWh/h with effect from 1st January 2024. YEDC is required by this Order to secure adequate bilateral contracts to facilitate a seamless exit from NBET's vesting contract regime. Through bilateral contracts, YEDC is required to mitigate its exposure to volumetric energy risks. Effective January 2024, YEDC shall have no recourse to claim revenue shortfall arising from generation shortfalls. YEDC is required to continually procure additional energy volumes to serve its customers and ensure steady migration of customers to higher service bands on account of improved level of supply. Table-7 below provides the minimum energy offtake requirement of YEDC for the period.

Table-7: Minimum Energy Offtake Requirement of YEDC 2024 - 2027

2024	2025	2026	2027
113	125	125	144
			2020

18. Servicing National Mass Metering Programme ("NMMP") Loan of CBN

The Order recognises YEDC's obligation to service CBN's loan (interest and principal) for the National Mass Metering Programme ("NMMP") in line with the terms of the loan agreement and has duly provided same in the YEDC's revenue requirement. The costs shall be updated in subsequent reviews to reflect adjustments applied by the fund managers in line with the terms of disbursement.

19. Contribution to Meter Acquisition Fund

In addition to YEDC's metering plan, this Order makes provision for the accruing of funds to the Meter Acquisition Fund ("MAF") established to support the deployment of end-user customer meters. The MAF shall be centrally managed and used as securitisation for long-term financing to facilitate the rapid closure of the current metering gap in the NESI. Accordingly, a provision of \$\frac{11.185}{kWh}\$ has been made in the YEDC's revenue requirement as a contribution to the Meter Acquisition Fund. The Commission may review the amount provided for MAF contribution during periodic minor reviews to reflect changes in the administration of the MAF and other macroeconomic variables.

RESULTS OF THE REVIEW

20. Revenue Requirement

Table 8 below summarises the key building blocks that summed up the projected revenue requirement of YEDC for 2023 – 2027.

Table 8: Approved Revenue Requirement for YEDC 2024 – 2027

		2024	2025	2026	2027
		₩' Million	₩' Million	₩' Million	₩' Million
	Capacity Cost	27,810	30,948	31,155	36,333
GenCos Cost	<u>Opex</u>	36,270	40,241	40,843	47,212
	Total	64,080	71,189	71,998	83,545
	Opex	1,582	2,127	2,657	3,302
TCN and	RO Investment	90	94	129	3,519
ADMIN Cost	<u>Depreciation</u>	2,652	2,764	2,812	2,737
	Total	4,324	4,985	5,598	9,558
System	Орех	758	878	982	1,123
Operations	RO Investment	<u>45</u>	49	<u>56</u>	64
Cost	Total	804	926	1,038	1,18 <i>7</i>
Market	Орех	123	127	137	151
Operations	RO Investment	<u>5</u>	<u>8</u>	8	9
Cost	Total	127	135	145	160
Ancillary	Cost	185	265	340	509
	Opex	10,698	13,459	16,987	21,500
	RO Investment	7,268	10,556	11,662	12,374
DisCo Cost	Depreciation	3,049	3,483	3,672	3,861
	Debt Repayment	2,683	1,278	=	=
	Total	23,698	28,775	32,321	37,735
Revenue Requ	iired	93,218	106,276	111,441	132,694

AND R

O

1.A.

21. Summary of Tariff Variables/Assumptions

Table 9 below provides a summary of the key tariff review variables approved for YEDC from 1 January 2024 to 31 December 2027.

Table - 9: Key Tariff Review Variables/Assumptions for YEDC

Parameter	Unit	2023	2024	2025	2026	2027
Loss Target	%	60.60%	56.00%	44.00%	29.00%	23.16%
Nigerian Inflation	%	24.5%	28.2%	28.2%	28.2%	28.2%
US Inflation	%	4.1%	3.1%	3.1%	3.1%	3.1%
Exchange Rate ₦/\$	N	649.0	919.4	919.4	919.4	919.4
Transmission Loss Factor	%	7.25%	7.00%	6.75%	6.50%	6.50%
Energy Delivered to DisCo	GWh	961	990	1,093	1,096	1,264
Energy Delivered to DisCo	MWh/h	110	113	125	125	144
Generation Cost	₩ /kWh	44.3	63.8	64.1	64.7	65.1
Transmission & Admin Cost	₩/kWh	7.2	6.9	7.2	8.0	10.6
End-User Cost Reflective Tariff	₩ /kWh	187.4	214.1	173.6	143.2	136.7
End-User Allowed Tariffs	₩/kWh	66.0	66.0	157.5	143.2	136.7
Tariff Shortfall (Subsidy)	Ħmillion	45,956	64,482*	9,833	0	0

Notes: Estimated annual subsidy for 2024. The monthly subsidy from January 2024 is NGN5.37bn

22. Approved Cost-Reflective and Subsidised Tariffs

Pursuant to Section 116 of the EA and extant regulations, the Commission considered and approved for YEDC the cost-reflective tariffs contained in Table 10 below with effect from 1st January 2024 and shall remain in force subject to automatic monthly adjustments on pass-through indices including Nigerian and US Inflation rates, Naira/US\$ exchange rates and gas to power tariffs.

In line with the policy direction of the FGN on electricity subsidy, the allowed tariffs as contained in Table 10 below are frozen for all customers at the rates payable since December 2022. With this policy, the estimated subsidy benefit for customers under YEDC franchise in 2024 is approximately **NGN64.48bn** (i.e., **NGN5.37bn** monthly). The allowed tariff is with effect from 1st January 2024 and shall remain in force, subject to further policy direction of the FGN.

Table 10: Approved Cost Reflective and Allowed Tariffs (\/ kWh) for YEDC

141510 10. App	202		20:		2025	2026	2027
Category	Cost- Reflective Tariff	Allowed Tariff	Cost- Reflective Tariff	Allowed Tariff	Cost-	Reflective	Tariff
Life-line	4.00	4.00	4.00	4.00	4.00	4.00	4.00
A - Non-MD	197.16	69.43	218.70	69.43	160.90	146.25	139.61
A - MD1	204.66	72.07	227.02	72.07	167.02	151.82	144.92
A - MD2	210.98	74.30	234.03	74.30	172.18	156.51	149.40
B - Non-MD	179.82	63.33	214.81	63.33	158.04	143.65	137.13
B - MD1	188.98	66.55	214.81	66.55	158.04	143.65	137.13
B - MD2	195.63	68.89	219.46	68.89	161.46	146.76	140.10
C - Non-MD	149.12	52.51	193.33	52.51	142.23	129.28	123.41
C-MD1	159.93	56.32	193.33	56.32	142.23	129.28	123.41
C - MD2	163.12	57.45	193.33	57.45	142.23	129.28	123.41
D - Non-MD	142.01	50.01	162.26	50.01	119.38	108.51	103.58
D - MD1	155.97	54.93	178.20	54.93	131.11	119.17	113.76
D - MD2	155.97	54.93	178.20	54.93	131.11	119.17	113.76
E - Non-MD	-	-	-	-	_	-	
E - MD1	-	-	- 1	-	-	-	
E - MD2	-	-	-	-	-	<u>-</u>	-

23. Automatic Monthly Adjustments of Tariffs

This Order provides for the implementation of **Monthly Adjustments** of tariffs arising from changes in exogenous indices, not within the control of licensees in the NESI. Thus, YEDC's revenue requirements and associated tariffs shall be subject to **monthly adjustments** to allow for changes in the inflation rates, Naira/US\$ exchange rates, and gas-to-power prices.

24. Market Payment Discipline

Effective from the January 2024 market cycle, YEDC is required to pay 100% of its market obligations to NBET, MO, and other bilateral counterparties for energy and

Page **10** of **18**

market administration services rendered to the utility. YEDC shall provide relevant payment securities in line with the Market Rules and relevant contractual (PPA, Vesting Contracts, etc.) provisions including the posting of bank guarantees and the NESI escrow framework. Thus, effective from 1st January 2024, failure to meet 100% settlement of market invoices shall constitute a breach of Condition 2(5) of YEDC's license and shall attract full enforcement measures in line with Section 75 of the Electricity Act.

25. YEDC's Remittance Obligation for 2023 and 2024

The Power Sector Recovery Plan ("PSRP") provides for a gradual transition to cost-reflective tariffs with safeguards for the less privileged electricity consumers in society. The Federal Government, under the PSRP financing plan, has committed to funding the revenue gap arising from the difference between cost-reflective tariffs approved by the Commission and the actual end-user tariffs during the transition to cost-reflective tariffs where applicable. The waterfall of market revenues during the transitional period shall be in line with the following:

- a. NBET shall issue energy invoices to YEDC net of the applicable tariff shortfall approved by the Commission on a monthly basis, while MO shall issue the full transmission and administrative services invoices to YEDC at the applicable tariff;
- YEDC shall make full settlement (100%) of the market invoices issued by MO and NBET as provided in Section 25(a) above.
- c. Regulatory Net-offs are specific directives issued by the Commission to the Principal Collection Accounts ("PCA") Settlement Administrator on net-offs (+/-) in a fixed sum requiring no calculation applied to YEDC's minimum remittance obligations to the MO or the NBET for a specific number of months to accommodate financial offsets by market participants and/or amortization of deferred assets" as approved by the Commission.
- d. FGN intervention from the PSRP financing plan and budgetary appropriation for funding tariff shortfall shall be applied by NBET to ensure 100% settlement of market invoices as issued by generating companies ("GenCos").
- e. YEDC shall be liable to relevant penalties/sanctions for failure to meet the payment obligation in any payment cycle under the terms of its respective contracts with bilateral counterparties including NBET and MO.
- f. YEDC shall maintain adequate securitisation for energy off-take in line with the provisions of the Market Rules and relevant bilateral contracts.
- g. YEDC shall settle its market invoices under the minimum remittance thresholds as provided in Table 11 effective 1st January 2024. All settlements are subject to regulatory net-offs as may be issued from time to time by the Commission.

Table – 11: Remittance Obligation for YEDC, 2023 and 2024

Head	Subhead	2023	2024
1000		∺ 'Million	N'Million
ed	NEMSF	2,166	2,167
quir	Meter Acquisition Fund	284	516
Re	Unadjusted GenCo Invoice	43,166	63,133
une	TCN & Admin Services	5,890	6,794
Revenue Required	DisCo	19,437	20,607
<u> </u>	Total	70,943	93,218
	Allowed Recovery	24,987	28,736
	Tariff Shortfall (Subsidy)	40,468	61,239
N	BET Adjusted Invoice to YEDC	2,698	1,894
9	NEMSF	2,166	2,167
than on —	Meter Acquisition Fund	284	516
emi	NBET Remittance Obligation	2,698	1,894
Co Remitta Obligation	MO Remittance Obligation	5,890	6,794
DisCo Remittance Obligation	DisCo	13,949	17,365
	Total Distribution	30,475	31,979
DisCo re	mittance to NBET (Adjusted Invoice)	100%	100%
	DisCo remittance to MO	100%	100%

Effective Date

26. This Order shall be effective from 1st January 2024.

Dated this 28th day of December 2023

Sanusi Garba **Chairman**

Dafe C. Akpeneye
Commissioner
Legal Licence and
Compliance

Appendix - 1: YEDC's Customer Classifications

Service Bands	New Tarif Class	Description			
Lifeline	R1	Life-Line customers with energy consumption of no more than 50kWh/month			
	A - Non-M				
A (Minimum of	A - MD 1	Customers with LV Maximum Demand connection located within Band-A Service Level Feeders			
20hrs/day)	A - MD 2	Customers with MV/HV Maximum Demand (11/33kV) connection located within Band – A Service Level Feeders			
	A - Special				
	B - Non-MD	Customers with single or three-phase connections located within Band-B Service Level Feeders			
(Minimum of	B – MD 1	Customers with LV Maximum Demand connection located within Band-B Service Level Feeders			
16hrs/day)	B - MD 2	Customers with MV/HV Maximum Demand (11/33kV) connection located within Band – B Service Level Feeders			
C	C - Non-MD	Customers with single or three-phase connections located within Band – C Service Level Feeders			
(Minimum of 12hrs/day)	C - MD I	Customers with LV Maximum Demand connection located within Band–C Service Level Feeders			
. z.ms, ddyj	C - MD 2	Customers with MV/HV Maximum Demand (11/33kV) connection located within Band – C Service Level Feeders			
	D - Non-MD	Customers with single or three-phase connections located within Band-D Service Level Feeders			
(Minimum of 8hrs/day)		Customers with LV Maximum Demand connection located within Band-D Service Level Feeders			
	D - MD 2	Customers with MV/HV Maximum Demand (11/33kV) connection located within Band – D Service Level Feeders			
		Customers with single or three-phase connections located within Band-E Service Level Feeders			
E (Minimum of 4hrs/day)	E - MD 1	Customers with LV Maximum Demand connection ocated within Band-E Service Level Feeders			
	E - MD 2	Customers with MV/HV Maximum Demand (11/33kV) connection located within Band-E Service Level Feeders			

Appendix - 2: YEDC's Service Level Commitments

		T	T	\neg	T	Т	_	_	_																		
Service Voltage Level	-	11	1.	11		11	33	11	11	11	11	- -	= ;	= :	-	11	11	11	11	11	11	11	11	11	33	33	33
Average Response time to resolving	complaints	0.15	1.13	0.00	0.90	1.13	0.75	0.38	0.75	1.51	1.56	181	1.07	1 00	08	0.98	0.75	0.84	0.93	1.51	2.26	1.34	0.32	0.70	1.52	1.72	2.48
Average Response time		0.04	0.29	0.23	0.23	0.29	0.19	0.10	0.19	0.39	0.40	0.47	0.33	0.49	0.25	0.70	61.0	0.22	0.24	0.39	0.58	0.34	0.08	0.18	0.39	0.44	0.64
Average Duration of Interruptions		0.02	0.14	0.11	0.11	0.14	0.09	0.05	0.09	0.18	0.19	0.22	0.15	0.23	0.12	000	0.0	0.10	0.10	0.18	0.27	0.10	0.04	0.08	0.18	0.21	0.30
Average Frequency of Interruptions Per Day	100	0.0	0.09	0.02	0.07	0.09	0.06	0.03	0.00	0.12	0.13	0.15	0.10	0.15	0.08	0.06	0.07	0.07	0.10	0.18	0.13	0.00	20.0	0.00	0.12	0.14	0.20
Minimum Duration of Supply (Hrs/Day)	20	20	000	07	20	20	20	20	20	20	20	07	70	20	20	20	20	20	20	20	20	20	200	20	200	20	707
Feeder Name	11KV Ali Marami	11KV GRA (Damaturu)	11KV Guimba	11KV Maidiguri Bd	11KV Potiskum Rd	33KV Damaturu	11KV ABTI	11KV Ajiya	11KV AUN	11KV FGGC	11KV FMC	11KV Euts	11KV C L	11KV CBA / I	110V GRA (Jimeta)	I I KV Jambutu	11KV Karewa	11KV Malkwoi	11KV Numan Rd	11KV Nyibango	11KV Shinko	11KV Town	11KV Yola Rd	33KV Faro	33KV Jamburu	33KV Jimeta	
Tariff	∢	4	∢	4	4	∢	∢	4	4	4	<	4	4	\ \ \	(<	< -	∢	∢	∢	∢	∢	∢	A	∢	∢	∢	

AND of

Q

Y-A=

		T	$\overline{}$		1	_	1	_	_			_															
Service Voltage		33	33 8	11		11	11		11			33	33 83	33			11	11	11	11	33	33	33	3	33	11	22
Average Response time to resolving	complaints	0.57	1.51	3.27	0.80	0.96	0.53	1.13	0.75	0.98	0.09	0.99	0.60	1.33	0.56	0.63	0.17	1.13	0.90	1.04	0.60	1.72	1.72	1 7	71.0	1.13	0.17
Average Response time		0.15	0.39	0.84	0.21	0.25	0.14	0.29	0.19	0.25	0.02	0.25	0.16	0.34	0.14	0.16	0.04	0.29	0.23	0.27	0.16	0.44	0.44	700	40.0	0.29	0.04
Average Duration of Interruptions		0.07	0.18	0.39	0.10	0.12	0.06	0.14	0.09	0.12	0.01	0.12	0.07	0.16	0.07	0.08	0.02	0.14	0.10	0.13	0.0	0.21	0.21	0.02		0.14	0.02
Average Frequency of Interruptions Per Day	0.05	0.03	71.0	0.20	0.00	0.00	0.04	0.00	0.00	0.00	0.0	0.00	0.03	0.05	0.03	0.03	0.0	0.07	80.0	0.00	21.0	4.0	4-0	0.01	000	0.03	0.01
Minimum Duration of Supply (Hrs/Day)	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	24	20	20	20	^4
Feeder Name	33KV Savannah	33KV Yola	11KV ATC I	11KV ATC II	11KV Bank	11KV GRA (Wukari)	11KV New Comm. Qfrs	11KV New Era	11KV Sintali	11KV Township	33KV Govt House	33KV Jalingo	33KV Mutum Biyu	11KV Commercial	11KV Damboa Rd	11KV Gombole	11KV GRA (Maiduguri)	11KV Polo	11KV Water Treatment	33KV Bama	33KV Gombole	33KV NTA	33KV Water Treatment	Plant	11KV Industrial	33KV Campus	
Tariff	4	∢	∢	∢	∢	∢	∢	∢	∢	∢	∢	∢	∢	∢	∢	A	A			∢	4	∢	8		∢	4	

AND of

					_	_																							
	Service Voltage	Level		33	33	11	11		33	11	11	11	111	- 00	33	11	11	33	33	22	11	11	11	- -	- -	1			33
	Average Response time to	Complaints	21.0	0.73	0.75	0.88	0.88	0.88	0.98	1.28	1.17	6.11	1.54	2.34	1.40	1.33	2.20	0.80	1.60	1 00	0.23	0.88	0.52	0.29	0.75	1 13	96.0	136	1.51
	Average Response time	to calls	0.19		0.19	0.23	0.23	0.23	0.25	0.33	0.30	1.57	0.40	0.60	0.36	0.34	0.57	0.21	0.41	0.28	90.0	0.23	0.13	0.07	0.19	0.29	0.25	0.35	0.39
	Average Duration of Interruptions		0.09	60 0	0.1		0.1.0	0.11	0.12	0.15	0.14	0.74	0.19	0.28	0.17	0.16	0.26	0.10	0.19	0.13	0.03	0.11	90.0	0.03	0.09	0.14	0.12	0.16	0.18
4	Average Frequency of Interruptions Per Dav	1	0.06	90.0	0.07	0.07	0.0	0.0	0.00	00.0	0.09	0.47	0.12	7.7	0.1	1.0	0.18	0.06	0.13	0.09	0.02	0.0	0.04	0.07	0.00	0.09	0.08	1.0	0.12
W	Duration of Supply (Hrs/Day)	00	7.	91	16	16	16	16	16	16	16	16	2 2	2 2	2 2	2 7	2 2	2 2	12	10	12	12	12	12	12	13	12	12	71
	Feeder Name	33KV University	33KV Nauen	12000	INV Damaturu Rd	I I KV Jos Rd	11KV Old Kwata	33KV Potiskum	11KV Bajabure	11KV Federal Locus	11KV Nasarawo	11KV Wuro Hausa	33KV Jada	33KV Biu	11KV Lagos Street	11KV Mafoni	33KV Maiduguri Town	33KV Benesheik	33KV Babangida	11KV Garbi	11KV Gashua I	11KV Gashua II	11KV Nguru Township	11KV Kano Rd	11KV New Prison	11KV Shaqotara	33KV Azare	33KV Barracks	
	Tariff	4	В	æ	2 0	۵۵	8 4	20	a	20	8	В	B	Δ	В	В			U	O	O			U	U	O	O	O	

AND 2

Os

		\top	T	Т	\top	_	_	_	_	_									Albania Describer								
Service Voltage		33	33	2 -	-1-	11		11	11	11	11	11	_	11	11	11	11	11	11	33	200	22	22	53	33		11
Average Response time to resolving	complaints	0.14	1.51	0.64	0.71	0.64	0.67	0.29	0.53	0.75	0.02	0.25		7.0	0.17	0.17	0.25	0.17	0.14	0.10	0.11	0.24	0.24	2.40	181	1.0.1	1.45
	sillo calls	0.03	0.39	0.16	0.18	0.16	0.17	0.08	0.14	0.19	0.01	90.0	700	40.0	0.04	0.04	90.0	0.04	0.04	0.03	0.03	90.0	0.05	0.45	0.35	0.28	0.28
Average Duration of Interruptions		0.02	0.18	0.08	0.09	0.08	0.08	0.04	0.08	0.09	0.00	0.03	0.02		0.02	0.02	0.03	0.02	0.02	0.01	0.01	0.03	0.02	0.19	0.14	0.11	0.11
Average Frequency of Interruptions Per Day	0.01	0.0	0.05	0.03	0.00	0.03	0.00	0.02	0.04	0.00	0.00	0.02	0.01	.00	0.0	0.0	0.07	0.0	0.01	0.0	0.0	0.02	0.0	0.15	60.0	0.07	0.07
Minimum Duration of Supply (Hrs/Day)	12	12	12	12	12	12	12	12	12	12	12	1	12	12	12	12	12	12	12	12	12	12	12	13	10	7 01	71
Feeder Name	33KV Damagun	33KV Fika	11KV Arhan Kunu I	11KV Arhan Kunu II	11KV Arhan Kunu III	11KV Bazza	11KV COE	11KV GRA (Mubi)	11KV Lass I	11KV Lass II	11KV Lokuwa	11KV Mayo Belwa	Town	11KV Numan Town I	11KV Numan Town II	11KV Sakuwa	11KV Uba I	11KV Uba II	33KV Garkida	33KV Mayo Belwa	33KV Ngurore	33KV Numan	33KV Girei	11KV Donga I	11KV Dongo II	11KV Wukari Town	
Tariff	U (U	U	U	ن ان	U	U	O	U	U	C	,				U	U	U	U	U	U	U	O	U	0	

My De

Y.A.

		_	_	_																					
Service Voltage Level		33	33	33	33	11	11	11	11	1	33	33	33	33	11	11	33	33	33	11	33	33	33	11	33
Average Response time to resolving	complaints	1.81	1.21	0.60	1.21	2.41	2.50	2.90	2.03	3.02	1.57	1.21	1.34	1.48	2.41	3.62	2.14	0.51	2.00	1.12	2.44	2.75	3.96	0.91	2.42
Average Response time		0.35	0.23	0.12	0.23	0.47	0.49	0.56	0.39	0.58	0.30	0.23	0.26	0.29	0.47	0.70	0.41	0.10	0.47	0.22	0.47	0.53	0.77	0.18	0.47
Average Duration of Interruptions		0.14	0.09	0.05	0.09	0.18	0.19	0.22	0.15	0.23	0.12	0.09	0.10	0.11	0.18	0.27	0.16	0.04	0.30	0.08	0.18	0.21	0.30	0.07	0.18
Average Frequency of Interruptions Per Day		0.00	0.00	0.03	0.00	0.12	0.13	0.10	0.10	0.10	0.08	0.06	0.07	0.07	0.12	0.10	0.00	0.03	200	0.00	0.12	4.0	0.20	0.00	0.12
Minimum Duration of Supply (Hrs/Day)	12	12	12	12	12	12	12	12	12	12	12	ζ.	ο α	ο α	ο α	0	0 00	0 00	cc	α	0 00	οα	ο α	0 00	0
Feeder Name	33KV New Wukari	33KV Old Wukari	33KV Zing	33KV Miringa	11KV Bulumkutu	11KV Khaddamari	11KV Old Maiduauri	11KV Pompomari	11KV Teaching Hospital	33KV Damasak	33KV Monguno	33KV Buni Yadi	33KV Geidam	11KV Hong Town	11KV Michika	33KV Guyuk	33KV Lamurde	33KV Fufore	11KV Takum Barrack	33KV Takum	33KV Yantu	33KV Shani	11KV Oldwelcome	33KV Bakassi	
Tariff Band	O	O	O	O	U	O	O	U	C	O	U	Ο	D	D	D	О	О	О	۵	О	D	Q	D	D	

J. Y.A.