

ORDER/NERC/2024/121

**BEFORE THE NIGERIAN ELECTRICITY REGULATORY COMMISSION
IN THE MATTER OF SEPTEMBER 2024 SUPPLEMENTARY ORDER TO THE MULTI-YEAR
TARIFF ORDER 2024 FOR KADUNA ELECTRICITY DISTRIBUTION PLC**

TITLE

1. This regulatory instrument shall be cited as **September 2024 Supplementary Order to the Multi-Year Tariff Order - 2024 ("September 2024 Supplementary Order")** for Kaduna Electricity Distribution Plc ("KAEDC").

COMMENCEMENT AND TERMINATION

2. This Supplementary Order shall take effect from **1st September 2024** and it shall cease to be effective on the issuance of a new tariff review Order for KAEDC by the Nigerian Electricity Regulatory Commission ("NERC" or the "Commission").

CONTEXT

3. Pursuant to the Tariff Review Application by KAEDC, the Commission approved MYTO-2024 effective from 1st January 2024. The Order among others;
 - a. Restated KAEDC's Performance Improvement Plan ("PIP") and approved a revised 5-year CAPEX provision to finance planned CAPEX projects. The Order further applied regulatory adjustments to the verified historical investments of KAEDC;
 - b. Approved a reset of the baseline ATC&C loss level to a new target considered to be fair and reasonable given current operating conditions and comparable benchmarks within and outside the Nigerian Electricity Supply Industry ("NESI");
 - c. Revised relevant assumptions for the forecast of revenue requirements and applicable tariffs for the period 2024 - 2027;

OBJECTIVE

4. Further to Section 23 of the MYTO-2024, this Supplementary Order seeks to reflect the changes in the pass-through indices outside the control of licensees including inflation rates, ₦/US\$ exchange rate, available generation capacity and gas price for the determination of Cost-Reflective Tariffs ("CRT").

BASIS FOR THE REVIEW

5. Minor Review Indices

The underlisted indices with potential impact on electricity rates were considered to determine KAEDC's revised revenue requirements and associated tariffs:

- a. **Exchange Rate:** The Naira to the US Dollar exchange rate of ₦1,601.50/US\$1 has been adopted for September – December 2024; this has been determined by adding a 1% transaction cost to the average foreign exchange rate of ₦1,585.64 during the period of 1st – 26th August 2024 as obtained from the website of the Central Bank of Nigeria ("CBN") in line with the MYTO methodology.
- b. **Nigerian Inflation Rate:** The Nigerian inflation rate of 33.40% for July 2024 as published by the National Bureau of Statistics ("NBS") is applied to revise the Nigerian inflation rate projection for 2024.
- c. **US Inflation Rate:** Based on the data published by the United States Bureau of Labor Statistics (<http://www.bls.gov>), the US inflation rate of 2.90% for July 2024 is applied to revise the US Inflation rate projection for 2024.
- d. **Available Generation Capacity:** Considering the periodic reports from the System Operator, the review maintains the January 2024 projection of an average offtake of 258MWh/h by KAEDC in 2024.
- e. **Wholesale Gas to Power Prices:**
 - i. The review maintains the benchmark gas-to-power price of US\$2.42/MMBTU based on the established benchmark price of gas-to-power by the Nigerian Midstream and Downstream Petroleum Regulatory Authority ("NMDPRA") in line with Section 167 of the Petroleum Industry Act ("PIA") 2021
 - ii. Contracted gas supply and transportation prices outside Domestic Gas Delivery Obligation quantities and based on effective Gas Sale Agreements ("GSAs") approved by the Commission.
 - iii. Benchmark Gas Transportation tariff of US\$0.80/MMBTU.

6. Regulatory Net-offs for Non-Adherence to the Order on Non-Compliance with Capping of Estimated Bills

Pursuant to the Commission's Order NERC/2024/004 on Non-compliance with the Capping of Estimated Bills and subsequent petition hearings and review of data further provided by KAEDC, the Commission has approved the deduction of N115Mn from the total annual OpEx of KAEDC effective September 2024, being the 10% of the overbilled amount by KAEDC for the period covering January–September 2023.



7. Summary of Tariff Assumptions and Results

Table 1 below summarises the tariff review indices adopted in this Order.

Table – 1: Key Tariff Review Indices/Assumptions for KAEDC

Parameter	Unit	Jul 2024	Aug 2024	Sep 2024
Loss Target	%	25.00%	25.00%	25.00%
Nigerian Inflation	%	34.0%	34.2%	33.4%
US Inflation	%	3.3%	3.0%	2.9%
Exchange Rate	₦/\$	1,494.1	1,564.3	1601.5
Gas Supply and Transportation Cost	\$/MMBTU	3.22	3.22	3.22
Transmission Loss Factor	%	7.00%	7.00%	7.00%
Energy Delivered to DisCo	GWh	2,260	2,260	2,260
Energy Delivered to DisCo	MWh/h	258	258	258
Generation Cost	₦/kWh	106.2	111.1	113.7
Transmission & Admin Cost	₦/kWh	10.1	10.4	10.5
End-User Cost Reflective Tariffs	₦/kWh	194.9	202.3	206.0
End-User Allowed Tariffs	₦/kWh	114.4	114.4	113.0
Monthly Tariff Shortfall (Subsidy)	₦' Million	11,365	12,412	13,136

8. Approved End-User Tariffs Effective from 1st September 2024

Pursuant to Section 116 of the EA and extant regulations, the Commission has considered and approved for KAEDC, the tariffs in Table 2 below effective 1st September 2024. The approved tariffs shall remain in force subject to monthly adjustments of pass-through indices including inflation rates, NGN/US\$ exchange rates and gas-to-power prices.

In line with the policy direction of the FGN on electricity subsidy, **the allowed tariffs for Bands B – E customer categories shall remain frozen at the rates payable since December 2022** subject to further policy direction by the Government. With this policy, the estimated subsidy benefit for customers under the KAEDC franchise in 2024 is approximately ₦13.14bn monthly.

Table - 2: Approved Allowed Tariffs (₦/kWh) for KAEDC

Tariff Class	Apr 2024	May - Jun 2024	Jul - Sep 2024
Life-line	4.00	4.00	4.00
A - Non-MD	225.00	206.80	209.50
A - MD1	225.00	206.80	209.50
A - MD2	225.00	206.80	209.50
B - Non-MD	62.63	62.63	62.63
B - MD1	66.34	66.34	66.34
B - MD2	68.78	68.78	68.78
C - Non-MD	51.12	51.12	51.12
C - MD1	52.88	52.88	52.88
C - MD2	55.52	55.52	55.52
D - Non-MD	35.41	35.41	35.41
D - MD1	46.40	46.40	46.40
D - MD2	46.40	46.40	46.40
E - Non-MD	35.41	35.41	35.41
E - MD1	46.40	46.40	46.40
E - MD2	46.40	46.40	46.40

9. Service Delivery Commitments

KAEDC shall be held accountable for service deliveries per commitments under its Service Based Tariff proposals that seek to align end-user tariffs in proportion to the service level enjoyed by customer clusters as measured in average hours of supply per day over one month. Details of the service level commitments made by KAEDC to customers in various tariff Bands for **September 2024** are shown in Appendixes 2-4.

10. Monitoring and Evaluation of Compliance to Service Commitment

- a. The Commission shall continue to leverage technology to directly obtain data on the hours of supply on each Band A feeder from the head-end system of KAEDC for near real-time monitoring of service.
- b. KAEDC shall maintain a rapid response team to ensure effective service delivery on the committed minimum hours of supply to each service Band commencing with Band A feeders. The team shall continue to ensure timely response to customers' complaints, fault clearing and alignment with TCN regional teams for effective load management and optimised dispatch to respective feeders. KAEDC shall maintain the dedicated email and contact numbers of the service rapid response team for each customer cluster/business unit on its website and continue to circulate same to the customers via bulk SMS and social media handles.
- c. KAEDC is obligated to publish a rolling 7-day average daily hours of supply on each Band A feeder daily on its website no later than 09:00 am of the next day.

- d. Where KAEDC fails to deliver on the committed level of service on a Band A feeder for consecutive two days, KAEDC shall on the next day by 10.00 am publish on its website an explanation of the reasons for the failure and update the affected customers on the timeline for restoration of service to the committed service level.
- e. Where KAEDC fails to meet the committed service level to a Band A feeder for seven (7) consecutive days, the feeder shall be automatically downgraded to the recorded level of supply pursuant to provisions of Section 6 of Order No. **NERC/334/2022 - "Order on Migration of Customers and Compensation for Service Failure under Service-Based Tariff Framework"**.
- f. KAEDC is mandated to continuously ensure upward migration of customers from the lower service Bands to Band A service level in line with the target on improvement in quality of service as provided in the Order on Key Performance Indicators for KAEDC issued from time to time by the Commission

11. **Service Band Performance, Migration/Downgrade and Compensation**

Pursuant to the provisions of the **Order on Migration of Customers and Compensation for Service Failure under the Service-Based Tariff Framework ("Order on Migration")** and the **Directive to Electricity Distribution Companies on Band A Feeder Performance Monitoring, Upgrade and Downgrade ("Directive for Operationalization of Band A Feeders")**, the Commission, based on the feeder performance report for the **8th - 21st of August 2024**, hereby orders as follow:

- a. KAEDC shall downgrade the Band A feeders listed in Appendix 2 to the commensurate level of supply and make appropriate compensation to the affected customers in line with the provisions of the Order on Migration.
- b. KAEDC shall make appropriate compensation to the affected customers in Band A feeders listed in Appendix 3 for failure to deliver up to 20 hours of average supply but more than 18 hours of average supply in line with the provisions of the Order on Migration while the feeders shall remain as Band A.

12. **Procurement of Embedded Generation**

KAEDC is obligated by this Order to procure a minimum of **26MW** capacity of embedded generation, being 10% of its 2024 load allocation, to improve the reliability of supply and sustain delivery of a minimum service level under the SBT. A minimum of **13MW** (i.e., 50%) of the embedded generation capacity must be sourced from renewable energy sources. The required capacity may be procured in bulk or distributed capacities across KAEDC's Franchise area. The capacity to be procured should be ready for dispatch to the KAEDC's network by the 1st of April 2025.



13. KAEDC's Remittance Obligation

The FGN policy on subsidy and electricity tariffs provides for a gradual transition to cost-reflective end-user tariffs with safeguards for the less privileged electricity consumers. Accordingly, the Federal Government 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. KAEDC shall settle its market invoices under the DisCo Remittance Obligation thresholds as provided in Table 3. All settlements are subject to regulatory net-offs as may be issued from time to time by the Commission.

Table - 3: Monthly DisCo Remittance Obligation for KAEDC, 2024


Head	Sub Head	Jul 2024 Revision	Aug 2024 Revision	Sep 2024 Revision
		₦'Million	₦'Million	₦'Million
Revenue Required	NEMSF	294	294	294
	Meter Acquisition Fund	167	167	167
	Unadjusted GenCo Invoice	18,725	19,619	20,110
	ZHEPP Invoice	1,277	1,305	1,305
	TCN & Admin Services	1,906	1,961	1,986
	DisCo	5,156	5,228	5,249
	Total	27,527	28,574	29,111
Allowed Recovery		16,162	16,162	15,965
2023 Under Recovery B/F		300	-	-
Tariff Shortfall (Subsidy)		11,665	12,412	13,146
NBET Adjusted Invoice to KAEDC		7,060	7,207	6,964
DisCo Remittance Obligation	NEMSF	294	294	294
	Meter Acquisition Fund	167	167	167
	NBET Remittance Obligation	7,060	7,207	6,964
	ZHEPP Remittance Obligation	1,277	1,305	1,305
	MO Remittance Obligation	1,906	1,961	1,986
	DisCo	5,457	5,228	5,249
	Total Distribution	16,162	16,162	15,965
DisCo Remittance to NBET		100%	100%	100%
DisCo Remittance to ZHEPP		100%	100%	100%
DisCo Remittance to MO		100%	100%	100%

14. The waterfall of market revenues during the transitional period shall be in line with the following:
- a. NBET shall issue energy invoices to KAEDC net of the applicable tariff shortfall approved by the Commission monthly, while MO shall issue the full transmission and administrative services invoices to KAEDC at the applicable tariff.
 - b. KAEDC shall make full settlement (100%) of the market invoices issued by MO (including Zungeru Power Plant) and NBET as provided in Table 3 above.
 - c. FGN intervention from budgetary appropriation and other sources for funding tariff shortfall shall be applied by NBET to ensure 100% settlement of market invoices as issued by generating companies ("GenCos").
 - d. KAEDC 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.
 - e. KAEDC shall maintain adequate payment securitisation for energy off-take in line with the earlier directive of the Commission and relevant bilateral contracts.
 - f. KAEDC shall settle its market invoices under the DisCo Remittance Obligation thresholds as provided in Table 3. All settlements are subject to regulatory net-offs as may be issued from time to time by the Commission.

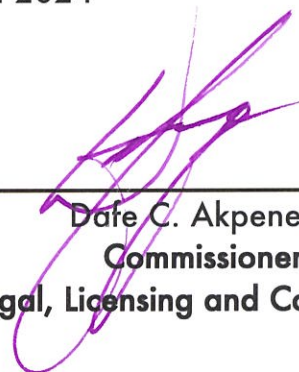
15. **Effective Date**

This Supplementary Order shall be effective from 1st September 2024.

Dated this 30th day of August 2024



Musiliu O. Oseni
Vice-Chairman



Dafe C. Akpeneye
Commissioner
Legal, Licensing and Compliance

Appendix - 1: KAEDC's Customer Classifications

Service Bands	New Tariff Class	Description
Lifeline	R1	Life-Line customers with energy consumption of not more than 50kWh/month
A (Minimum of 20hrs/day)	A - Non-MD	Customers with single or three-phase connections located within Band-A Service Level Feeders
	A - MD 1	Customers with LV Maximum Demand connection located within Band-A Service Level Feeders
	A - MD 2	Customers with MV/HV Maximum Demand (11/33kV) connection located within Band - A Service Level Feeders
B (Minimum of 16hrs/day)	B - Non-MD	Customers with single or three-phase connections located within Band-B Service Level Feeders
	B - MD 1	Customers with LV Maximum Demand connection located within Band-B Service Level Feeders
	B - MD 2	Customers with MV/HV Maximum Demand (11/33kV) connection located within Band - B Service Level Feeders
C (Minimum of 12hrs/day)	C - Non-MD	Customers with single or three-phase connections located within Band-C Service Level Feeders
	C - MD 1	Customers with LV Maximum Demand connection located within Band-C Service Level Feeders
	C - MD 2	Customers with MV/HV Maximum Demand (11/33kV) connection located within Band - C Service Level Feeders
D (Minimum of 8hrs/day)	D - Non-MD	Customers with single or three-phase connections located within Band-D Service Level Feeders
	D - MD 1	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
E (Minimum of 4hrs/day)	E - Non-MD	Customers with single or three-phase connections located within Band-E Service Level Feeders
	E - MD 1	Customers with LV Maximum Demand connection located 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: Feeder for Compensation of Customers Only Due to Failure of Service



S/N	FEEDER NAME	DESCRIPTION OF FEEDER LOCATION	NAME OF MAJOR STREETS SERVED BY THE FEEDER	1ST - 25TH AUGUST AVE PERFORMANCE	CURRENT BAND	REMARK
1	11KV COMMERCIAL ZAM	POWER HOUSE	NTA GUSAU ALONG SAMARU	19.24	A	CUSTOMERS TO BE COMPENSATED
2	11KV GOVERNMENT HOUSE ZAM	POWER HOUSE	YANKUKA, YARIMAN BAKURA HOSPITAL, WATER BOARD & GOVERNMENT HOUSE GUSAU	18.44	A	CUSTOMERS TO BE COMPENSATED
3	11KV LEVENTIS	MOGADISHU	LAGOS STREET, YORUBA ROAD, ORIOFATA	19.76	A	CUSTOMERS TO BE COMPENSATED
4	33KV ANKA	TALATA MAFARA TS	ANKA, SHIYAR-MAGAJI, KASUWAR-GIDA, SABOGARI, GENERAL HOSPITAL ANKA, DAN MANGORO, SECRETARIAT, DAN MANGORO, BAKIN TASHA, FGC ANKA	18.80	A	CUSTOMERS TO BE COMPENSATED
5	33KV BAKURA	TALATA MAFARA TS	BAKURA, KASUWAR DAI BAKURA, KANWURI BAKURA, MADANCI, JUMUVA YAR KOFOJI, GOBIRAWA YAR KOFOJI, MTN BAKURA, BALGARE VILLAGE, GAMUJ, FADANAWA, BAICHIN GABAS, DAMRI VILLAGE	18.04	A	CUSTOMERS TO BE COMPENSATED
6	33KV MAGAMI	GUSAU TS	GARGAU, SUIOWO, BAHAF GLOBAL SERVICES LTD, ABU MAGAJI FARM, ISMA GINERY AND SAMARU RELIEF	18.96	A	CUSTOMERS TO BE COMPENSATED
7	33KV MARADUN	TALATA MAFARA TS	MARADUN, RINI, GORA, BIRNIN TUDU, MAKERA, KAZAMA, MAI GABAS, DOSARA, BIRNIN TUDU, SOLID MINERAL, RIMA QTRS, LAYIN DAIJ, KOFAR KYARAWA, DAN FAKO	19.32	A	CUSTOMERS TO BE COMPENSATED
8	33KV POWER HOUSE	GUSAU TS	SAMARU GUSAU, BACK OF GRID, KING FAHAD HOSPITAL, PART OF UNGUWAN SHADOW & UNG NASARAWA	19.32	A	CUSTOMERS TO BE COMPENSATED
9	33KV MAFARA	TALATA MAFARA TS	TALATA MAFARA TOWN, GURBI VILLAGE, RICE MILL YARIMA, BAKIN ZAZZI, AIRSPACE, RAFIN DANKURE, TSAMIYAR DANSISI, KWANAR KALGO, RAKUWA	FORCE MAJEURE	A	CUSTOMERS TO BE COMPENSATED
10	33KV NNPC GUSAU	GUSAU TS	GIGINYA HOTEL, KK RICE, CBN, CHATTERN HOUSE SOKOTO, WATER BOARD SOKOTO	FORCE MAJEURE	A	CUSTOMERS TO BE COMPENSATED
11	33KV TSAFE	GUSAU TS	FED. UNIVERSITY, FEGIN BAZA, DAN JIBGA, CHADIYA, G.G.S.S KWATARKWASHI, GIDAN DAWA, GAN GARA, GIDAN DAWA, KWANAR MAI SAJE, KUNCHIN KALGO, MADA, MARKET	FORCE MAJEURE	A	CUSTOMERS TO BE COMPENSATED

Appendix - 3: KAEDC's Service Level Commitments for September 2024



S/N	BAND	FEEDER NAME	DESCRIPTION OF FEEDER LOCATION	NAME OF MAJOR STREETS SERVED BY THE FEEDER	MIN. SUPPLY DURATION (HRS)
1	A	11KV AHMADU BELLO WAY	ABAKPA	ABAKPA, SOKOTO ROAD & AHMADU BELLO WAY	20
2	A	11KV BANK KAFANCHAN	BANK ROAD	BANK ROAD KAFANCHAN	20
3	A	11KV BARNAWA GRA	NARAYI	HIGHCOST AREA & BARNAWA COMPLEX	20
4	A	11KV CANTEEN	PZ ZARIA	PZ, RIVER ROAD GRA, MANCHESTER ROAD GRA, PARK ROAD, WHAFF, RIVER SIDE, UNGUWAN KAYA, DAKCE & NAGOYI ROAD	20
5	A	11KV COMMERCIAL DKA	CONSTITUTION	MAIDUGURI ROAD, CONSTITUTION ROAD & DAURA ROAD	20
6	A	11KV DAWAKI	DAWAKI	JABI EAST, KAMSILM & WAZIRI MACCIDIO	20
7	A	11KV GWARI AVENUE	BORSTAL STATION	GWARI AVENUE	20
8	A	11KV ISA KAITA	ABAKPA	ISA KAITA ROAD, UNGUWAN SARKI & SULTAN ROAD	20
9	A	11KV LEGISLATIVE QUARTERS	UNGUWAN DOSA	UNGUWAN DOSA, YAN MAJALISU, COLLEGE ROAD, KUDAN STREET & KUBAU ROAD	20
10	A	11KV LUGGARD HALL	ABAKPA	AIKALI ROAD, YAKUBU AVENUE, WHAFF ROAD & INDEPENDENCES WAYS	20
11	A	11KV NACB	DAWAKI	DANBURAM, YAHAYA ROAD & NITEL QUARTERS	20
12	A	11KV NAFBASE	NAFBASE KADUNA	NAFBASE KADUNA & AGRIC QUARTERS	20
13	A	11KV NASFAT	KAWO	NASFAT VILLAGE, FARIN GIDA & HAYIN BANKI	20
14	A	11KV NEW MILLENNIUM CITY	MILLENIUM CITY	MILLENIUM CITY & NURU SURAJ	20
15	A	11KV POLY ROAD	MOGADISHU	POLY QUARTERS & MOGADISHU LAYOUT	20
16	A	11KV WATER RESOURCES RIG	MOTHERCAT	WATER RESOURCES MOTHERCAT	20
17	A	33KV MOGADISHU	POWER STATION	44 NA RHOSPITAL BADIKKO JUNCTION, SIR KASHIM IBRAHIM HOUSE GOVERNMENT HOUSE KADUNA, KADUAN STATE WATER BOARD POLY ROAD, METER TESK COMPANY BY POWER HOUSE & FERTILIZER COMPANY BY AMADU DOKA ROAD ABAKPA.	20
18	A	33KV ABAKPA	MANDO	CIBI GRANITE BY MANDO, NNAMADI AZIKWE ROAD KADUNA BYPASS , AAM PLASTIC BY KURMIN MASHI, MTN FRIENDSHIPS BY ABAKPA, MASCALLA HOTEL , BELLS HOLDING, OXYGEN MANUFACTURERS AND CONFIDENCE WATER	20
19	A	33KV AIRPORT ROAD	MANDO	AIRPORT KADUNA, EYES CENTERS KADUNA , NDA KADUNA NEW ANNEX & MANDO ROAD	20

S/N	BAND	FEEDER NAME	DESCRIPTION OF FEEDER LOCATION	NAME OF MAJOR STREETS SERVED BY THE FEEDER	MIN. SUPPLY DURATION (HRS)
20	A	33KV AREWA	POWER STATION	KENFELI KOTANGORA ESTATE,CHECHERRY,LOGIN GATES ENGINEERING,KADWELL INTERNATIONAL SCHOOL AND KAURI INJECTION SUBSTATION	20
21	A	33KV AVIATION	ZARIA TS	SCHOOL OF AVIATION, NITT PALADAN, FGGC ZARIA, NBASAWA, ABU MAIN CAMPUS & CENTRE OF EXCELLENT SAMARU & ABU TEACHING HOSPITAL SHIKA.	20
22	A	33KV DOKA	MANDO	KAURA SUPER SAG BY NINAMDI AZIKWE ROAD	20
23	A	33KV FADAMA 1	B/KEBBI TS	CENTRAL BANK B/KEBBI, BESIDE KEBBI TV, SIR YAHAY HOSPITAL KEBBI, EMIR OF GWANDU PALACE & GOVERNMENT HOUSE KEBBI	20
24	A	33KV FADAMA 2	B/KEBBI TS	AZBIR HOTEL AND ARENA ESTERN BY PASS B/KEBBI	20
25	A	33KV FARFARU	SOKOTO TS	ARKILLA BINJI QUARTERS, ANHASS PLASTIC, FARFARU INJECTION SUBSTATION	20
26	A	33KV GONIN GORA	POWER STATION	KADUNA DISEASE CONTROL CENTRE, CU VENTURE ALONG NNAMDI AZIKWUWE, GONIN GORA, KADUNA -ABUJA EXPRESS WAY	20
27	A	33KV GWANDU	BIRNIN KEBBI	GWANDU, GRA NEPA, GRA BIRNINKEBBI, VILLAGE, ALIERU QUARTERS, GWADANGWAIJITOWN, KAWARA QUARTERS	20
28	A	33KV HANWA	ZARIA TS	FABS HOTEL & ORGANO HOTELS ALONG ROCK ROAD GRA ZARIA	20
29	A	33KV INDEPENDENCE	POWER STATION	NO POINT LOAD	20
30	A	33KV JAJI	MANDO	KAWO, ZARIA ROAD, MARRABAN JOS, TRADE FAIRS	20
31	A	33KV KAFANCHAN	KAFANCHAN	KAFANCHAN TOWN, MAIGIZO, U/MASARA, U/MUSA, WBD TREATMENT, OFFICE AUXILIARY KAGORO, U/NUNGU, FADAN KARSHI, PEOGEOUTCHOICE BRANDS, ITM, ZAKWA	20
32	A	33KV KINKINAU	MANDO	DANMANI TOWN AND KINKINAU INJ SS	20
33	A	33KV KOFAN DOKA	ZARIA TS	WATER BOARD PUMPING STATION, ZANNURAKH HOTEL, NUHU JAMO'S HOUSE	20
34	A	33KV KRRC (DEDICATED)	POWER STATION	KRPC KADUNA	20
35	A	33KV LABANA (DEDICATED)	MECHANICS VILLAGES	LABANA & JEGA ROAD	20
36	A	33KV MOTHER CART	MANDO	NO POINT LOAD	20
37	A	33KV NAF	MANDO	OBASANJO FARM, ARRISALA GLOBAL CARE BY NAFBASE, MOTHER CAT HODLING COMPANY	20
38	A	33KV NARAYI	POWER STATION	LIVING FAITH CHURCH BARNAWA KADUNA	20
39	A	33KV NEW INJECTION	SOKOTO TS	KEKE RICE, SHUKURA HOTEL, WATERBOARD, GIGINYA HOTEL	20
40	A	33KV OLAM	POWER STATION	HYBRID FEED, OLAM, PLASTIC & KADUNA -ABUJA EXPRESSWAY	20
41	A	33KV POWER STATION	SOKOTO TS	ARKILLA BINJI QUARTERS, ANHASS PLASTIC, FARFARU INJECTION SUBSTATION	20
42	A	33KV PZ	ZARIA TS	HULHULDE INVESTMENT, DABOL NIG LTD, NALMACO- CHIKAJI INDUSTRIAL LAYOUT ZARIA, SHAGALINKU HOTEL NEAR POLO FIELD ZARIA, EMERALD, WESTERN WAY GRA ZARIA, NEAR NEPA QUARTERS.	20
43	A	33KV RIGASA	MANDO	A.A.G COLLEGE OF HEALTH TECHNOLOGY (FORMERLY GIC), KAURA MOTORS, MAKAFI MARKET BYE PASS, TETRAA FILLING STATION(FORMERLY GNL), UNITY PLAZA, MAMIYA OIL, HARCO RICE LIMITED, URWA HOUSE, GT BANK, NAMAGIRA	20
44	A	33KV TURUNKU	MANDO	JAJI AND KATABU INJECTION SUBSTATION	20

S/N	BAND	FEEDER NAME	DESCRIPTION OF FEEDER LOCATION	NAME OF MAJOR STREETS SERVED BY THE FEEDER	MIN. SUPPLY DURATION (HRS)
45	A	33KV UNGUWAN BORO	POWER STATION	BIBLE MINISTRY (POULTRY FEEDS), OSTRICH BAKERY, STANDARD FEED COMPANY, HYBRID FEEDS COMPANY, TOP GALAXY, REG-VIEWEND HOTEL	20
46	A	33KV UNGWAN DOSA	MANDO	KADUNA DISEASE CONTROL CENTRE, CU VENTURE ALONG NINAMDI AZIKWUWE, GONIN GORA, KADUNA -ABUJA EXPRESS WAY	20
47	A	33KV UNIVERSITY (DEDICATED)	MECHANICS VILLAGES	UNIVERSITY BIRNIN KEBBI	20
48	A	33KV UNTL (DEDICATED)	POWER STATION	UNTL, NACACO, PAN DRIVE, UNITED WIRE, DECON KADUNA	20
49	A	33KV WATER WORKS	MANDO	WATER BOARD INTAKE RABAH ROAD, ANGEL GUARDING RABAH ROAD, ROYAL HOTEL BY ISA KAITA& PENECILLES RABAH ROAD	20
50	A	33KV WATER WORKS ZARIA	DOGARAWA	ZARIA DAM SHIKA VILLAGE, SANYOGHURT SABI & DOGARAWA	20
51	B	11KV ARKILLA	BIRNIN KEBBI ROAD	GESSE PHASE 1 & 2, SHIYAR FADA AREA, SANI ABACHA BYPASS FROM TIPA GARRAGE TO KCC AREA	16
52	B	11KV CONSTITUTION ROAD	INDEPENDENCE	BAMAKO ROAD, SULEIMAN BARAU ROAD, JA-ABDUKADIR ROAD, RIMI DRIVE, RAMAT ROAD, CONAKRY ROAD AND SHEHU LAMINU ROAD	16
53	B	11KV GADA BIYU	NINPC	INTERMEDIATE QUARTERS, KADUNA ROAD, LOWCOST TANKI, ALHERI SCHOOL AND CUSTOM HOUSE	16
54	B	11KV GARAGE KAFANCHAN	KAFANCHAN	UNGUWAN MUAZU GRA, UNGWAN MUAZU BY EXPRESS, PAN DRIVE,	16
55	B	11KV GOVERNMENT HOUSE KD	MOGADISHU	FIFTH CHUKKER ALONG JOS ROAD	16
56	B	11KV GRA KBI	EASTERN BYPASS	GALI GATE, ALMANAR MOSQUE, KASU, POLICE HQ, BIDA ROAD	16
57	B	11KV GWADANGWAJI	FADAMA	GOVERNMENT HOUSE AREA, KEBBI POLYTECHNIC	16
58	B	11KV HIGH COST	NARAYI	ALIYU MAKAMA ROAD, GWARI AVENUE, BARNAWA COMPLEX, SHAGARI ESTATE, HIGHCOST ROAD, PRISON	16
59	B	11KV INDUSTRIAL SOK	BIRNIN KEBBI ROAD	KALANBAINA	16
60	B	11KV INSTITUTE	FARFARU	STATE ASSEMBLY COMPLEX	16
61	B	11KV KADUNA ROAD	GUSAU ROAD	GIDAN SALANKE, ARKILLA, KALAMBAINA, GIRAFSHI	16
62	B	11KV LODGE ROAD	GUSAU ROAD	GIDAN DARE, OLD MARKET, DIGARAGYARE, MAKERA ASADA, KUPPERS	16
63	B	11KV MALALI	DAWAKI		16
64	B	11KV NTA DKA	JAJI	SABON GIDA, GIDAN DAJI, UNGUWAN MA'AJI, KADAURE, DAN HONO 1, DAN BUSHIYA AND MPH.	16
65	B	11KV STATEHOUSE	KAWO	KAWO	16
66	B	11KV SUNGLASS	KUDENDAN	CONSTITUTION ROAD, MAIDUGURI ROAD, ABUBAKAR KIGO ROAD, STADIUM	16
67	B	11KV TEACHING HOSPITAL DKA	INDEPENDENCE	ACHIDA ROAD, ALIYU WAMAKO HOUSE	16

S/N	BAND	FEEDER NAME	DESCRIPTION OF FEEDER LOCATION	NAME OF MAJOR STREETS SERVED BY THE FEEDER	MIN. SUPPLY DURATION (HRS)
68	B	11KV UNGUWAN RIMI	DAWAKI	STATE HOUSE, WATER BOARD TREATMENT PLANT, WAEC, SMC QUARTERS, KTC LAYOUT, FEDERAL SECRETARIAT, FHC AND COURT OF APPEAL	16
69	B	11KV URBAN SHELTER	DAWAKI		16
70	B	33KV KAURAN NAMODA	GUSAU TS	GALI GATE, ALMANAR MOSQUE, KASU, POLICE HQ, BIDA ROAD	16
71	B	33KV PAN	POWER STATION	PAN DRIVE, UNGUWAN MUAZU,	16
72	B	33KV T2B GRID	GUSAU TS	NO POINT LOAD	16
73	B	33KV TOWNSHIP	SOKOTO TS	GARGAU, SULOWO, BAHAF GLOBAL SERVICES LTD, ABU MAGAJI FARM, ISMA GINERY AND SAMARU RELIEF	16
74	C	11KV ABU	TS	FANLADAN, KONGILA, LAYIN ZOMO, TOHU, NAREC	12
75	C	11KV AREWA BOTTLEERS	PAN	UNGUWVN ROMI, BAGI VILLA, KADUNA POLTECHNICS QUARTERS & KADUNA POLY, PART OF TELEVISION, COMMAND JUNCTION, CPW BOARD	12
76	C	11KV ARGUNGU CITY	GARKUWA		12
77	C	11KV ARMY BARRACK	POWER STATION	KWANNAWA, OLD AIR-PORT, SAMAJE AND SALAME	12
78	C	11KV BADO	FARFARU		12
79	C	11KV BULASA	MECHANICS VILLAGES	MECHANICS VILLAGES	12
80	C	11KV FEDERAL HOUSING	GONIN GORA	FEDERAL HOUSING, GOVERNMENT LAND, KARA TUDU, UNGUWAN BIJE, UNGUWAN ROMI NEAR EXTENTION, AGRIC QUARTERS & ABUJA JUNCTION COOPERATIVE COLLEGE	12
81	C	11KV FGGC	NNPC	GIDAN DAWA, NNPC, MAHUTA, FERMA AND FGGC	12
82	C	11KV GASKIYA	KOFAN DOKA	TUDUN JUKUN, TUKUR TUKUR, MAGUME, GASKIYA LAYOUT, KWARIN DANGOMA AND POLY	12
83	C	11KV GRA ARGUNGU	ARGUNGU	ARGUNGU	12
84	C	11KV GRA ZAM	TSUNAMI	BARAKALLAHU, INVESTMENT HOUSE, J&B SECRETARIAT	12
85	C	11KV GRA ZAR	MAIN OFFICE	GRA ZARIA, RAILWAY QUARTERS, DOGARAWA	12
86	C	11KV INDUSTRIAL ZAM	TSUNAMI	STATE LOWCOST, MANGORORA, YENDASAY, SHEHU BANYA, U/GWAZA AND SHAISKAWA	12
87	C	11KV KAKURI	KAKURI	KAKURI, KURMIN GWARI, PART OF TIRKANIYA, KAKURI GRA, KAKURI BUST STOP, KAKURI AIRFORCE ROAD & MAKERA MAIN ROAD & KAKURI GENERAL PUMP	12
88	C	11KV KARA	EASTERN BYPASS	BAYAN KARA AREA, BEHIND OLD MOTOR PARK AREA, NEW MARKET BEHIND FILIN SUKUWA AREA AND BEHIND OANDO AREA BIRNINKERBI, SOME PART OF AHMADU BELLO WAY AREA BIRNINKERBI	12

S/N	BAND	FEEDER NAME	DESCRIPTION OF FEEDER LOCATION	NAME OF MAJOR STREETS SERVED BY THE FEEDER	MIN. SUPPLY DURATION (HRS)
89	C	11KV MANDO ROAD	MOTHER CAT	MANDO ROAD, ASHEHU ROAD, LAYIN SARKI, MSHELLA STREET, STERLING ROAD AND ASSALAMUALLAHKUM	12
90	C	11KV MC (DEDICATED)	JAJI	MILITARY CANTONMENT JAJI KADUNA	12
91	C	11KV NNPC ZAR	TS	HANWA, ROCK ROAD, DAN MAGAJI, GONAN GANYE AND TUKUR	12
92	C	11KV NOCACO	PAN	UNGUWUN TAKE, UNGUWAN MISSION, KIRIKANIYA& NNAMDI AZIKWE EXPRESS WAY	12
93	C	11KV NORTEX	KAKURI	KURMIN GWARI, MONDAY MARKET, KAKURI TEXTILE ROAD, DIC ROAD	12
94	C	11KV SABON GARIN ZAR	MAIN OFFICE	SABON GARI, U/KANAWA, JUSHI AND U/GORO	12
95	C	11KV UNGUWAN YELWA	BOASTAL	UNGUWAN SUNDAY, UNGUWAN YALWA, PART OF TELEVISION GARAGE, KADUNA OPENED CORRECTION CENTRE	12
96	C	33KV ARGUNGU	BIRNIN KEBBI TS	BIRNIN KEBBI TS	12
97	C	33KV CCNN	SKOTO TS	CCNN	12
98	C	33KV KWARE/UNIVERSITY	SKOTO TS	KALKWALAWA, UNIVERSITY, BUNSAYE, WAMAKO	12
99	C	33KV SOBA	ZARIA TS	GABARI VILLAGE, MADACHI, SOBA VILLAGE, SUNSEED FACTORY, PAMBEGUWA AND WUCICIRI	12
100	C	33KV YABO/SHAGARI	SOKOTO TS	ALIYU QUARTERS, AIR-PORT, MILGOMA, TAKATUKU	12
101	C	33KV YAWURI	YAU RI TS	YAU RI	12
102	D	11KV BARNAWA MKR	KAKURI	KAKURI	8
103	D	11KV COSTAIN	INDEPENDENCE	COSTAIN QUARTERS, KABALA COSTAIN, AGRIC QUARTERS	8
104	D	11KV DAM	TS	TS	8
105	D	11KV DAMBA	GRID	DAMBA ESTATE 1&2, MARERI ESTATE, FEDERAL COLLEGE OF EDUCATION TECHNICAL, LALAN, SABONGARIN DAMBA	8
106	D	11KV DANKANDE	KATABU	DANKANDE VILLAGE, RIGACHUKUN VILLAGE, HAYIN MAMADI,	8
107	D	11KV DURBAWA	GAGI	GAGI	8
108	D	11KV GRA JEGA	JEGA	GRA JEGA, NIIMA FILLING TSAKUWA	8
109	D	11KV KAFANCHAN (TOWNSHIP)	KAFANCHAN	KAFANCHAN	8
110	D	11KV KANTA	ARGUNGU	ARGUNGU	8

S/N	BAND	FEEDER NAME	DESCRIPTION OF FEEDER LOCATION	NAME OF MAJOR STREETS SERVED BY THE FEEDER	MIN. SUPPLY DURATION (HRS)
111	D	11KV KAWO	KAWO	KAWO MARKET AND	8
112	D	11KV KOFAN KIBO	KOFAN DOKA	KOFAN JATAU, U/JUMA, U/ALKALI, U/FATIKA, KOFAR KIBO AND SALMANDUNA	8
113	D	11KV KURMIN MASHI	ABAKPA	KURMIN MASHI VILLAGE, PART OF ABAKPA VILLAGE, KURMIN MASHI NEW EXTENTION	8
114	D	11KV MABERA	GUSAU ROAD		8
115	D	11KV MAHUTA	UNGUWAN DOSA	UNGUWAN GADO	8
116	D	11KV MERA	GARKUWA	GARKUWA	8
117	D	11KV NASSARAWA KBI	MECHANICS VILLAGE	HAIRU ABDU, RAFIN ATIKU, BEHIND NAGARI COLLEGE	8
118	D	11KV NASSARAWA MKR	KAKURI	KAKURI	8
119	D	11KV NDA	ABAKPA	NDA OLD SITE, U/KANAWA, U/SHANU, ABAKPA VILLAGE, PART OF HAYIN BANKI	8
120	D	11KV NTA SOK	RINJIN SAMBO		8
121	D	11KV RABAH ROAD	ABAKPA	ABAKPA	8
122	D	11KV RAFIN GUZA	UNGUWAN DOSA	RAFINGUZA VILLAGE AND HAYINKOGI	8
123	D	11KV SABON GARIN JEGA	JEGA	SABON GARIN FADA, DODORU AND WADATA	8
124	D	11KV SAMARU	SHIKA	BIYE, SAMARU, HAYIN DOGO, IDC, GANGA UKU.	8
125	D	11KV SHIKA	SHIKA	MIL GOMA, NASARAWAN BUHARI, SHIKA VILLAGE, KATSINAWA AND HAYIN GADA	8
126	D	11KV TEACHING HOSPITAL ZAR	KOFAN DOKA	TUDUN WADA, BANZAZZAU, JUSHI, GYALLESU, FILIN MAALLAWA AND PAMPON GWAIBA	8
127	D	11KV TUDUN WADA KBI	FADAMA	OLD TOWN, MALALA QUARTERS, OLD PRISON, TARASA TOWN, KEBBI STATE WATER BOARD PLANT	8
128	D	11KV TUDUN WADA ZAM	POWER HOUSE	SHEHU IDRIS, ZONAL EDUCATION, MAI GEMU SS, NUT, NEW PREMIER AND PREMIER	8
129	D	11KV VILLAGE	NARAYI	NARAYI	8
130	D	11KV WATERWORKS SOK	GAGI	WATER WORKS SOKOTO,	8
131	D	11KV WUSASA	KOFAN DOKA	GWARGWAJE, LOW COST, KOFAN GAYAN, KUSFA, KAURA AND KOFAN KONA	8
132	D	11KV YANTUKWANE	KINKINAU	KINKINAU	8
133	D	11KV YAURI	YAURI	YAURI	8
134	D	11KV YEIWA	YAURI	YAURI	8
135	D	11KV ZARIA CITY	KOFAN DOKA	KOFAN DOKA, LEMU, KWARBAL, MAGALIYA, AMARU, BABBAN DODO	8
136	D	11KV ZARIA ROAD	KAWO	ARMY ONE DIVISION, UNGWAN GWARI, NDC NEW EXTENTION, HAYIN NAIYA, MALALINGABAS AND KUKUMAKE VILLAGE	8

S/N	BAND	FEEDER NAME	DESCRIPTION OF FEEDER LOCATION	NAME OF MAJOR STREETS SERVED BY THE FEEDER	MIN. SUPPLY DURATION (HRS)
137	D	33KV JEGA	BIRNIN KEBBI TS	KALGO TOWN MAIYAMA TOWN, JEGA METROPOLY & BASAURA TOWN	8
138	E	11KV ASIKOLAYE	RIGASA	RIGASA	4
139	E	11KV BARRACKS ZURU	ZURU	ZURU	4
140	E	11KV BIRNIN GWARI	BIRNIN GWARI	BIRNIN GWARI	4
141	E	11KV BUNZA	BUNZA	BUNZA	4
142	E	11KV CHELCO	KUDENDAN	KUDENDAN	4
143	E	11KV DIORI HAMMANI	ILELEA ROAD	ILELEA ROAD	4
144	E	11KV HAYIN RIGASA	RIGASA	RIGASA	4
145	E	11KV ILELEA ROAD	TAMBUWAL	TAMBUWAL	4
146	E	11KV JAJI	JAJI	JAJI	4
147	E	11KV KAGORO	KAGORO	KAGORO	4
148	E	11KV KATABU	KATABU	KATABU	4
149	E	11KV KUEPPERS	ILELEA ROAD	ILELEA ROAD	4
150	E	11KV MAKARFI	MAKARFI	MAKARFI	4
151	E	11KV MAKARFI ROAD	RIGASA	RIGASA	4
152	E	11KV MANCHOK	KAGORO	KAGORO	4
153	E	11KV PAMA	UNGUWAN BORO	UNGUWAN BORO	4
154	E	11KV RIKOTO/ZURU	ZURU	ZURU	4
155	E	11KV SABON GARIN RIG	UNGUWAN BORO	UNGUWAN BORO	4
156	E	11KV SABON GARIN ZAM	JEGA	JEGA	4
157	E	11KV SABON TASHA	UNGUWAN BORO	UNGUWAN BORO	4
158	E	11KV SARKIN FADA	TAMBUWAL	TAMBUWAL	4
159	E	11KV SULTAN PALACE	GUSAU ROAD	GUSAU ROAD	4
160	E	11KV TOWN	BIRNIN KEBBI ROAD	BIRNIN KEBBI ROAD	4
161	E	11KV TUDUN WADA RIG	MOGADISHU	MOGADISHU	4
162	E	11KV UNGUWAN MUAZU	KINKINAU	KINKINAU	4

S/N	BAND	FEEDER NAME	DESCRIPTION OF FEEDER LOCATION	NAME OF MAJOR STREETS SERVED BY THE FEEDER	MIN. SUPPLY DURATION (HRS)
163	E	33KV ALIERO	BIRNIN KEBBI TS	BIRNIN KEBBI TS	4
164	E	33KV BIRNIN GWARI	TAGINA	TAGINA	4
165	E	33KV BUNZA	BIRNIN KEBBI	BIRNIN KEBBI	4
166	E	33KV KAMBA	BIRNIN KEBBI TS	BIRNIN KEBBI TS	4
167	E	33KV KOKO	YAU RI TS	YAU RI TS	4
168	E	33KV KUDAN	ZARIA TS	ZARIA TS	4
169	E	33KV MAKARFI	ZARIA TS	ZARIA TS	4
170	E	33KV NGASKI	YAU RI TS	YAU RI TS	4
171	E	33KV TAMB UWAL	BIRNIN KEBBI TS	BIRNIN KEBBI TS	4
172	E	33KV ZURU	YAU RI TS	YAU RI TS	4
173	E	T2A	GUSAU TS	GUSAU TS	4
174	A	11KV FIFTH CHUKKER	MANDO	FIFTH CHUKKER ALONG JOS ROAD	20