

ORDER/NERC/2024/144

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

TITLE

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

COMMENCEMENT AND TERMINATION

2. This Supplementary Order shall take effect from 1st November 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

- Pursuant to the Tariff Review Application by KAEDC, the Commission approved MYTO-2024 effective from 1st January 2024. The Order among others;
 - 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;
 - 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, N/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 \$1,654.17/US\$1 has been adopted for November December 2024; this has been determined by adding a 1% transaction cost to the average foreign exchange rate of \$1,637.79 during the period of 1st 28th October 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 32.70% for September 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 **2.40**% for September 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	Sep 2024	Oct 2024	Nov 2024
Loss Target	%	25.00%	25.00%	25.00%
Nigerian Inflation	%	33.4%	32.2%	32.7%
US Inflation	%	2.9%	2.5%	2.4%
Exchange Rate	₩/\$	1601.5	1637.1	1654.2
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/Year	2,260	2,260	2,260
Energy Delivered to DisCo	MWh/h	258	258	258
Generation Cost	₩/kWh	113.7	116.1	117.3
Transmission & Admin Cost	N /kWh	10.5	10.7	10.7
Weighted Average Cost Reflective Tariff	N /kWh	206.0	209.9	211.8
Weighted Average Allowed Tariff	N /kWh	113.0	113.0	113.0
Monthly Tariff Shortfall (Subsidy)	N 'Million	13,136	13,686	13,949

8. Approved End-User Tariffs Effective from 1st November 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 November 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 *\text{13.95bn} monthly.



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

Tariff Class	Apr 2024	May - Jun 2024	Jul - Nov 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, which 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 **November 2024** are shown in Appendixes 2–3.

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 October 2024, hereby orders as follow:

a. 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	Sep 2024 Revision ₩'Million	Oct 2024 Revision	Nov 2024 Revision
	NEMSF		N'Million	∺ 'Million
0	A Waster Business and A San	361	361	361
uire.	Meter Acquisition Fund	167	167	167
Seq	Unadjusted GenCo Invoice	20,092	20,449	20,717
9	ZHEPP Invoice	1,323	1,417	1,371
Revenue Required	TCN & Admin Services	1,986	2,007	2,022
Re	DisCo	5,239	5,250	5,276
	Total	29,168	29,652	29,915
	Allowed Recovery	15,965	15,965	15,965
	2023 Under Recovery B/F	-	90 St. 10 S 4	•
	Tariff Shortfall (Subsidy)	13,203	13,686	13,949
NB	ET Adjusted Invoice to KAEDC	6,889	6,763	6,767
	NEMSF	361	361	361
DisCo Remittance Obligation	Meter Acquisition Fund	167	167	167
Co Remitta Obligation	NBET Remittance Obligation	6,889	6,763	6,767
Rer	ZHEPP Remittance Obligation	1,323	1,417	1,371
ပ္တိ ဝ	MO Remittance Obligation	1,986	2,007	2,022
Ö	DisCo	5,239	5,250	5,276
	Total Distribution	15,965	15,965	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.
 - 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 November 2024.

Dated this 31st day of October 2024

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Chairman

Musiliu O. Oseni

(Dese 31/10/2026

Vice-Chairman

Appendix - 1: KAEDC's Customer Classifications

Service Bands	New Tariff	Description							
	Class								
Lifeline	Rī	Life-Line customers with energy consumption of not more than 50kWh/month							
A	A - Non-MD	Customers with single or three-phase connections located within Band-A Service Level Feeders							
(Minimum of 20hrs/day)	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							
В	B - Non-MD	Customers with single or three-phase connections located within Band-B Service Level Feeders							
(Minimum of 16hrs/day)	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	C - Non-MD	Customers with single or three-phase connections located within Band-C Service Level Feeders							
(Minimum of 12hrs/day)	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							
Ď	D - Non-MD	Customers with single or three-phase connections located within Band-D Service Level Feeders							
(Minimum of 8hrs/day)	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	E – Non-MD	Customers with single or three-phase connections located within Band-E Service Level Feeders							
(Minimum of 4hrs/day)	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: Feeders for Compensation of Customers Only Due to Failure of Service

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	33KV MOGADISHU		TIKY POLY ROAD		11KV NASFAT		11KV NAFRASE	HOUSE ZAM	11KV GOVERNMENT		11KV CANTEEN		11KV BARNAWA GRA	WAY	11KV AHMADU BELLO		
	MOGADISHU POWER STATION RC		No.	KAWO	NAFBASE KADUNA	NIAED ACE NADING	FOWER HOUSE	BOWER HOUSE	HINA' 7	D7 7ADIA	1282	N A B A VI	TOANTA	ABAVBA	FEEDER LOCATION	DESCRIPTION OF	
DI CINALO DONA KOAD ABAKPA	ROAD, METER TESK COMPANY BY POWER HOUSE & FERTILZER COMPANY	44 NA R-HOSPITAL BADIKKO JUNCTION. SIR KASHIM IRBAHIM HOLICE	POLY QUARTERS & MOGADISHII LAVOLIT	NAFSAI VILLAGE, FARIN GIDA & HAYIN BANKI		NAFBASE KADUNA & AGRIC QUARTERS	TOOSE GOSAO	HOLIGE CHICALI	YANKUKA YARIMAN BAKI BA HOGBITAL WATER TO LEE	RIVER SIDE, UNGILWAN KAYA DAKCCE & NACOVIDAD WHAFF,	PZ, RIVER ROAD GRA. MANCHESTER BOAD COA BARY BOAD	HIGHCOST AREA & BARNAWA COMPLEX		ABAKPA, SOKOTO ROAD & AHMADU BELLO WAY	אריא רבי און וויני ובניסבע	SERVED BY THE REPORT	NAME OF LATION STATES
	19.29	8.18		19.35		18 00		10 0/		19 65		18 53		1935	AVE PERFORMANCE	1ST - 25TH SEPTEMBER	
	>	>		>	>	>	>	>	>	>	>	>)	>	BAND	CURRENT	
	CUSTOMERS TO BE	COMPENSATED	COMPENSATED	CUSTOMERS TO BE	COMPENSATED	CUSTOMERS TO BE	COMPENSATED	CUSTOMERS TO BF	COMPENSATED	CUSTOMERS TO BE	COMPENSATED	CUSTOMERS TO BE	COMPENSATED	CUSTOMERS TO BE	KEMARK		

Appendix 3: KAEDC's Service Level Commitments for November 2024

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<u></u>	,	>	Þ	A	A	. >	> >	} :	۸	≯	Þ	>	•	S/N BAND
	OUNV ABAKYA		11KV WATER RESOURCES RIG	11KV NEW MILLENNIUM CITY	I IKV LUGGARD HALL	I KV LEVENTIS	I KY LEGISLATIVE QUARTERS	- IV OA ZAIIA	11 DV ICA VAITA	11KV COMMERCIAL ZAM	11KV COMMERCIAL DKA	I IKV BANK KAFANCHAN		FEEDER NAME
	MANDO		MOTHERCAT	MILLENIUM CITY	ABAKPA	MOGADISHU	UNGUWAN DOSA	ABAKPA		POWER HOUSE	CONSTITUTION	BANK ROAD	LOCATION	DESCRIPTION OF FEEDER
AND CONFIDENCE WATER	MASHI, MTN FRIEDSHIPS BY ABAKPA, MASCALLA HOLDING, OXYGEN MANFACTURERS	CIBI GRANITE BY MANDO, NNAMDI AZIKWE ROAD KADINIA BYRASE	WILLELAIDIN CITT & NOKO SURAJ	WAYS	ALKALI ROAD YAKI IRI AYEAH IE WUAGE DOAD & BURGES	IAGOS STREET YORI BA BOAD OBYYOTATA	UNGUWAN DOSA, YAN MAJAJISU COJIEGIJE BOAD KIDAN STREET 8 17 15 11 12 12 12 12 12 12 12 12 12 12 12 12	ISA KAITA ROAD. LINGLIWAN SARKI & SHITTAN BOAD	NIA GUSAU ALONG SAMARU	CON NORD, CONSTITUTION ROAD & DAURA ROAD	WAIDI ICI IBI BOAD CONSTRUCTION OF STANCHAN		NAME OF MAJOR STREETS SERVED BY THE FEEDER	
	20	20	20	20	20	20	20	07.		20	20	DURATION (HRS)	MIN. SUPPLY	



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33KV MOTHER CART 33KV NAF 33KV NARAYI 33KV NEW INJECTION	33KV MOTHER CART 33KV NAF 33KV NARAYI	33KV MOTHER CART 33KV NAF	33KV MOTHER CART	OURY MIARADOIN	335/V MABADI NI	33KV MAGAMI	33KV LABANA (DEDICATED)	33KV KRPC (DEDICATED)	33KV KOFAN DOKA	33KV KINKINAU	33KV KAFANCHAN	33KV JAJI	33KV INDEPENDENCE	33KV HANWA	33KV GWANDU	33KV GONIN GORA		33KV FARFARU	33KV FADAMA 2	33KV FADAMA 1	33KV DOKA	33KV BAKURA	33KV AVIATION	33RV AREWA		33KV ANKA	33KV AIRPORT ROAD	FEEDER NAME
SOKOTO IS	TOVER STATION	מרואובה כדאקוראי	MANDO	MANDO	TALATA MAFARA TS	GUSAU TS	MECHANICS VILLAGES	POWER STATION	ZARIA TS	MANDO	KAFANCHAN	MANDO	POWER STATION	ZARIA TS	BIRNIN KEBBI	POWER STATION	30,010	SOKOTO IS	R/KFRRI TS	B/KEBBI TS	MANDO	TALATA MAFARA TS	ZARIA TS	POWER STATION	TACATA MATAKA IS	TALATA LASTA	MANDO	DESCRIPTION OF FEEDER LOCATION
LIVING FAITH CHURCH BARNAWA KADUNA		IN THE STATE OF THE BY NAPPASE, MOTHER CAT HODING COMPANY	OBASANIO FARM ARRICATA GIORAL CARE DE LA CONTROLLA CONTR	MINERAL, RIMA QTRS, IAYIN DAJI, KOFAR KYARAWA, DAN FAKO	MARADUN, RINI, GORA, BIRNIN TUDU, MAKERA, KAZAMA, MAI GABAS, DOSARA, BIRNIN TUDU SOIID	GARGAU, SULOWO, BAHAF GLOBAL SERVICES LTD, ABU MAGAJI FARM, ISMA GINERY AND SAMARU	TARANIA & ISOA	SBS SANURAKH HOTEL, NUHU JAMO'S HOUSE	WATER BOARD BLIABBLO STATION AND KINKINAU INJ SS	KAGORO,U/NUNGU,FADAN KARSHI,PEOGEOUT(CHOICE BRANDS),TIM,ZAKWA	KAFANCHAN TOWN, MAIGIZO, U/MASARA IJ/MIISA WRD TREATMENT OFFICE ATTACK	KAWO ZARIA BOAD MARRANIA CONTRACTOR TO	NO BOINT TO AD GRA ZARIA	QUARTERS FARS HOTELS, ORGANIO HOTELS ALOND TO THE STATE OF THE STATE	GWANDU, GRA NEPA, GRA BIRNINKEBBI, VILLAGE, ALIERU QUARTERS, GWADANGWAJITOWN, KAWARA	KADUNA DISEASE CONTROL CENTRE, CU VENTURE ALONG NNAMDI AZIKWUWE, GONIN GORA,	ARKILLA BINJI QUARTERS, ANHASS PLASTIC, FARFARU INJECTION STRETATION	AZBIR HOTEL AND ARENA ESTERN BY PASS B/KEBBI	GOVERNMENT HOUSE KEBBI	CENTRAL BANK B/KEBBI, BESIDE KEBBI TV. SIR YAHAY HOSPITAL KERRI EMIB OF CAMANISTICS OF COMMENCES	KOFOJI,MIN BAKURA,BAIGARE VILLAGE,GAMJI,FADAMAWA,BAICHIN GABAS,DAMRI VILLAGE	BAKURA, KASUWAR DAJI BAKURA, KANWURI BAKURA, MADANCI, JUMU'A YAR KOFOJI, GOBIRAWA YAR	SCHOOL OF AVIATION, NITT PALADAN, FGGC ZARIA, NBASAWA, ABU MAIN CAMPUS & CENTRE OF	KENFELI, KOTANGORA ESTATE, CHECHERRY, LOGIN GATES ENGINEERING, KADWELL INTERNATIONAL SCHOOL AND KALIRI INJECTION GLIBETATION	MANGORO, SECRETARIAT, DAN MANGORO, BAKIN TASHA, FGC ANKA	ANKA SHIYARMACAH KASHIKA CIR. NDA KADUNA NEW ANNEX & MANDO ROAD	A IDDO DT TADINA TATO	NAME OF MAJOR STREETS SERVED BY THE REFORD
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33KV UNIT (DEDICATED) POWER STATION WATER BOARD INTAKE RABAH ROAD, ANGEI GUARDING RABAH ROAD, ROYAL HOTEL BY ISA KAITAR 33KV WATER WORKS 33KV WATER WORKS ZARIA DOGARAWA LARIA DAM HIKA PILIDE WIRE, GECON KADUINA TARIA DAM SANGEI GUARDING RABAH ROAD, ROYAL HOTEL BY ISA KAITAR LIKY GARAH ROAD, ROYAL HOTEL BY ISA KAITAR LIKY CONSTITUTION ROAD 11KV CONSTITUTION ROAD 11KV DAWAKI 11KV GADA BITU NUPC INTERMEDIATE GUARTIERS, SANU ABACHA BYPASS ROM TIPA GARRAGE TO KCC AREA 11KV GADA BITU 11KV GARAGIE 11KV GARAGIE TIKY GA
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POWER STATION MANDO DOGARAWA BIRNIN KEBBI ROAD INDEPENDENCE
POWER STATION MANDO DOGARAWA BIRNIN KEBBI ROAD
POWER STATION MANDO DOGARAWA
POWER STATION MANDO
POWER STATION UNTL. NACACO
33KV UNIVERSITY (DEDICATED) MECHANICS VILLAGES INIVERSITY (DEDICATED) MECHANICS VILLAGES
MANDO KADUNA DISEASE CONTR
33KV UNGUWAN BORO POWER STATION BIBLE MINISTRY (POULTRY FEEDS), OSTRICH BAKERY, STANDARD FEED COMPANY, HYBRID FEEDS COMPANY, TOP GALAXY, REG-VIEWEND HOTEI
ZARIA TS SI
33KV POWER HOUSE GUSAU TS SAMARU GUSAU, BACK OF GRID , KING FAHAD HOSPITAL, PART OF UNGUWAN SHADOW & UNG
FEEDER NAME LOCATION DESCRIPTION OF FEEDER NAME OF MAJOR STREETS SERVED BY THE FEEDER





12	KURMIN GWARI, MONDAY MARKET, KAKURI TEXTILE ROAD, DIC ROAD	KAKURI	I KV NORTEX	C	1
19	UNGUWN TAKE, UNGUWAN MISSION, KIRIKANIYA& NNAMDI AZIKWE EXPRESS WAY	PAZ	I IKV NOCACO		3 2
12	HANWA, ROCK ROAD, DAN MAGAII, GONAN GANYE AND TUKUR	TS	TINCK DOOR OO) (9 9
12	MILITARY CANTONMENT JAJI KADUNA	JAII	110(N) MC (DEDICATED)		8 8
12	MANUO ROAU, ASHEHU ROAD, LAYIN SARKI, MSHELIA STREET, STERLING ROAD AND ASSALAMUALIAKUM	MOTHER CAT	11KV MANDO ROAD	ח	88 8
12	BAYAN KARA AREA, BEHIND OLD MOTOR PARK AREA, NEW MARKET BEHIND FILIN SUKUWA AREA AND BEHIND OANDO AREA BIRNINKEBBI, SOME PART OF AHMADU BELLO WAY AREA BIRNINKEBBI	EASTERN BYPASS	11KV KARA	0	86
12	KAKURI, KURMIN GWARI, PART OF TIRKANIYA, KAKURI GRA, KAKURI BUST STOP, KAKURI AIRFORCE ROAD & MAKERA MAIN ROAD & KAKURI GENERAL PUMP	KAKURI	11KV KAKURI	0	85
12	STATE LOWCOST, MANGORORA, YENDASAY, SHEHU BANYA, U/GWAZA AND SHAISKAWA	TSUNAMI	1 1KV INDUSTRIAL ZAM	0	84
15	GRA ZARIA, RAILWAY QUARTERS, DOGARAWA	MAIN OFFICE	11KV GRA ZAR	0	8
10	BARAKALIAHU, INVESMENT HOUSE, J&B SECRETARIAT	TSUNAMI	11KV GRA ZAM	0	82
3 2		ARGUNGU	11KV GRA ARGUNGU	0	8
13 12	TUDUN JUKUN, TUKUR TUKUR, MAGUME, GASKIYA LAYOUT KWARIN DANGOMA AND BOLV	KOFAN DOKA	11KV GASKIYA	n	80
5 5	FIFTH CHUKKER AIONG IOS ROAD	MANDO	1 1 KV FIFTH CHUKKER	0	79
3 1	GIDAN DAWA, NNPC, MAHUTA, FERMA AND FGGC	NNPC	11KV FGGC	0	78
12	FEDERAL HOUSING, GOVERNMENT LAND, KARA TUDU, UNGUWAN BIJE, UNGUWAN ROMI NEAR EXTENTION AGRIC OHAPTERS & ARHIA HINGTON COOREDATIVE CONTEST.	GONIN GORA	11KV FEDERAL HOUSING	Ω.	77
12	MECHANICS VILIAGES	MECHANICS VILLAGES	11KV BULASA	0	6
] - -		FARFARU	11KV BADO	0	3
10	KWANNAWA, OLD AIR-PORT, SAMAJE AND SALAME	POWER STATION	11KV ARMY BARRACK	0	1/4
15		GARKUWA	11KV ARGUNGU CITY	(3
12	UNGUWN ROMI, BAGI VILIA, KADUNA POLTECHNICS QUARTERS & KADUNA POLY, PART OF TELEVISION, COMMAND JUNCTION, CFW BOARD	PAN	11KV AREWA BOTTLERS	0	72
12	FANLADAN, KONGILA, LAYIN ZOMO, TOHU, NAREC	TS	I IRV ABU	C	`-
16	FED. UNIVERSITY, FEGIN BAZA, DAN JIBGA, CHADIYA, G.G.S.S. KWATARKWASHI, GIDAN DAWA, GAN GARA, GIDAN DAWA, KWANAR MAI SAJE, KUNCHIN KAIGO, MADA, MARKET	GUSAU TS	33KV TSAFE) 💩	70
16	GARGAU, SULOWO, BAHAF GLOBAL SERVICES LTD, ABU MAGAJI FARM, ISMA GINERY AND SAMARU RELIEF	SOKOTO TS	33KV TOWNSHIP	8	69
16	NO POINT LOAD	GUSAU TS	33KV 12B GRID	o	8
16	PAN DRIVE, UNGUWAN MUAZU,	POWER STATION	33KV PAN	σ	0,
16	GAJI GATE, ALMANAR MOSQUE, KASU, POLICE HQ, BIDA ROAD	GUSAUTS	33KV KAURAN NAMODA	, 8	, 6 8
14		DAWAKI	11KV URBAN SHELTER	В	65
16	STATE HOUSE, WATER BOARD TREATMENT PLANT, WAEC, SMC QUARTERS, KTC LAYOUT, FEDERAL SECRETERIAT. FHC AND COLIRT OF APPEAL	DAWAKI	11KV UNGUWAN RIMI	₽	64
MIN. SUPPLY	 	DESCRIPTION OF FEEDER LOCATION	FEEDER NAME	BAND	S/N

8	MIL GOMA, NASARAWAN BUHARI, SHIKA VILLAGE, KATSINAWA AND HAYIN GADA	o acc		ے	
œ	MILCOLA NICCONTRACTOR HAYIN DOGO, IDC, GANGA UKU.	SHIKA	11KV SHIKA	D	123
&	RIVE SAMARII HAVELTOOO SOO WADATA	SHIKA	11KV SAMARU	0	122
8	SARONI CARINI EADA DODORI DE CONTROLLA SARONI CARINI EADA DODORI DE CONTROLLA SARONI DE CARINI D	JEGA	11KV SABON GARIN JEGA	0	121
ω	RAFINGUZA VIII ACE AND UAXA III)	UNGUWAN DOSA	11KV RAFIN GUZA	0	120
&	A B A V D A	ABAKPA	11KV RABAH ROAD	0	611
8	# 25 Ci II/	RINJIN SAMBO	11KV NTA SOK	0	811
8	NDA OID SITE II/KANANA II/SHAPIII ABAKSA SIIIO	ABAKPA	11KV NDA	D	117
8	FAMILIA NAGARI COLLEGE	KAKURI	11KV NASSARAWA MKR	0	116
8		MECHANICS VILLAGE	11KV NASSARAWA KBI	0	115
8	CARKINALA CARKINALA	GARKUWA	11KV MERA	0	114
8		UNGUWAN DOSA	11KV MAHUTA	0	113
œ	ADARTA VILLAGE, KURMIN MASHI NEW EXTENTION	GUSAU ROAD	11KV MABERA	D	112
8	KURMIN MASHI VIII AGE BABT OF ABAYTA AND SALMANDUNA	ABAKPA	11KV KURMIN MASHI	D	=
8	KOFAN IATAH ILIMA ILIANGAN MARKELANU	KOFAN DOKA	11KV KOFAN KIBO	D	110
8	VANO LARRET LI	KAWO	11KV KAWO	D	109
0		ARGUNGU	11KV KANTA	-	Ç
0 (KAFANCHAN	KAFANCHAN	(TOWNSHIP)	, -	\$ 5
× (GRA JEGA, NIIMA FILLING TSAKUWA	2502	11KV KAFANCHAN	,	2
80	GAGI	ECA C	11KV GRA JEGA	D	106
œ	DAINKAINDE VILLAGE, KIGACHUKUN VILLAGE, HAYIN MAMADI,	GAG	11KV DURBAWA	D	105
&	SABONGARIN DAMBA	KATABU	11KV DANKANDE	0	2
0	DAMBA ESTATE 1&2, MARERI ESTATE, FEDERAL COLLEGE OF EDUCATION TECHNICAL, LALAN,	GRID	11KV DAMBA	0	103
0 00	TS	TS	I I KV DAM	c	5
8	COSTAIN QUARTERS, KABAJA COSTAIN ACRIC OLIARTERS	INDEPENDENCE	I IKV COSTAIN	ם כ	3 -
12	KAKIBI	KAKURI	I IKV BARNAWA MKR	, -	5 5
12	YAHRI YAHRI	YAURI TS	33KV YAWURI	2	7 99
12		SOKOTO TS	33KV YABO/SHAGARI	0	98
12	GABARI VILLAGE MADACHI SOBA VIILAGE SINISEED EACTON, WAMAKO	ZARIA TS	33KV SOBA	0	97
12	KAIKWAI AWA I INII/EBCITY BUYES WELL	SKOTO TS	33KV KWARE/UNIVERSITY	0	98
12	DIKIVIIV REBBI IV	SKOTO TS	33KV CCNN	0	95
12	CORRECTION CENTRE	BIRNIN KEBBI TS	33KV ARGUNGU	n	94
12	UNGWAN SUNDAY, UNGWAN YALWA, PART OF TELEVISON GARAGE, KADUNA OPENED	BOASTAL	11KV UNGUWAN YELWA	C	93
DURATION (HRS)	SABON GARL U/KANAWA IIIKHI AND II/ODD	MAIN OFFICE	11KV SABON GARIN ZAR		72
MIN. SUPPLY	NAME OF MAJOR STREETS SERVED BY THE FEEDER	LOCATION	FEEDER NAME	BAND	S/N
		710)555101101111111111111111111111111111	30	:	, ;



155	154	153	152	151	150	149	148	147	146	145	144	143	142	141	140	139	138	137	136	135	134	133	132	131	130	129	128	127	126	125	124	
г	m	m	т	П	m	Ш	m	Е	т	п	m	П	m	ш	m	m	т	m	D	0	0	D	0	D	D	٥	o	D	o	D	0	BAND
11KV SABON GARIN ZAM	11KV SABON GARIN RIG	11KV RIKOTO/ZURU	11KV PAMA	11KV MANCHOK	11KV MAKARFI ROAD	11KV MAKARFI	11KV KUEPPERS	1 1KV KATABU	11KV KAGORO	11KV JAJI	11KV ILLELA ROAD	11KV HAYIN RIGASA	11KV DIORI HAMMANI	11KV CHELCO	11KV BUNZA	11KV BIRNIN GWARI	1 1 KV BARRACKS ZURU	11KV ASIKOLAYE	33KV MAFARA	33KV JEGA	11KV ZARIA ROAD	11KV ZARIA CITY	11KV YELWA	11KV YAURI	11KV YANTUKWANE	17KV WUSASA	11KV WATERWORKS SOK	1 1KV VILLAGE	11KV TUDUN WADA ZAM	11KV TUDUN WADA KBI	11KV TEACHING HOSPITAL ZAR	FEEDER NAME
JEGA	UNGUWAN BORO	ZURU	UNGUWAN BORO	KAGORO	RIGASA	MAKARFI	ILLELA ROAD	KATABU	KAGORO	JAJI	TAMBUWAL	RIGASA	ILLELA ROAD	KUDENDAN	BUNZA	BIRNIN GWARI	ZURU	RIGASA	TALATA MAFARA TS	BIRNIN KEBBI TS	KAWO	KOFAN DOKA	YAURI	YAURI	KINKINAU	KOFAN DOKA	GAGI	NARAYI	POWER HOUSE	FADAMA	KOFAN DOKA	LOCATION OF FEEDER
JEGA	UNGUWAN BORO	ZURU	UNGUWAN BORO	KAGORO	RIGASA	MAKARFI	ILLELA ROAD	KATABU	KAGORO	JAJI	TAMBUWAL	RIGASA	ILLEIA ROAD	KUDENDAN	BUNZA	BIRNIN GWARI	ZURU	RIGASA	TALATA MAFARA TOWN, GÜRBI VILLAGE,RİCE MILL YARIMA,BAKIN ZAZZI,AIRSPACE,RAFIN DANKURE,TSAMIYAR DANSISI,KWANAR KALGO,RAKUWA	KALGO TOWN MAIYAMA TOWN, JEGA METROPOLY & BASAURA TOWN	ARMY ONE DIVISION, UNGWAN GWARI, NDC NEW EXTENTION, HAYIN NAIYA, MALALINGABAS AND KUKUMAKE VILLAGE	KOFAN DOKA, LEMU, KWARBAI, MAGAJIYA, AMARU, BABBAN DODO	YAURI	YAURI		GWARGWAJE, LOW COST, KOFAN GAYAN, KUSFA, KAURA AND KOFAN KONA	WATER WORKS SOKOTO,	NARAYI	SHEHU IDRIS, ZONAL EDUCATION, MAI GEMU SS, NUT, NEW PREMIER AND PREMIER	OLD TOWN, MALALA QUARTERS, OLD PRISON, TARASA TOWN, KEBBI STATE WATER BOARD PLANT	TUDUN WADA, BANZAZZAU, JUSHI, GYALLESU, FILIN MAALLAWA AND PAMPON GWAIBA	NAME OF MAJOR STREETS SERVED BY THE FEEDER
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	8	8	&	8	&	8	8	8	8	8	8	&	8	MIN. SUPPLY DURATION (HRS)



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?	;		DESCRIPTION OF FFFFFF	
٧ Z	S/N BAND	FEEDER NAME	LOCATION	NAME OF MAJOR STREETS SERVED BY THE FEEDER
156	 	11KV SABON TASHA	UNGUWAN BORO	UNGUWAN BORO
157	m	11KV SARKIN FADA	TAMBUWAL	TAMBUWAI
158	m	1 1 KV SULTAN PALACE	GUSAU ROAD	GUSALIROAD
159	т	11KV TOWN	BIRNIN KEBBI ROAD	RIDNIN KERRI BOAD
160	п	11KV TUDUN WADA RIG	MOGADISHII	בואי או א הכיסו אלאט
1/1		1310/11/01/11/11/11		MOGADISHO
0	п	LIKY UNGUWAN MUAZU	KINKINAU	KINKINAU
162	m	33KV ALIERO	BIRNIN KEBBI TS	BIRNIN KEBBI TS
163	т	33KV BIRNIN GWARI	TAGINA	TAGINA
164	т	33KV BUNZA	BIRNIN KEBBI	DIDNINI VEDDI
7,	n	337/7/7/025	מוחי ביי היים היים היים היים היים היים היים	מואי אויא עכססו
, ,	1 7	SONY NAMBA	BIX ZIZ KEBBI IS	BIRNIN KEBBI TS
100	П	33KV KOKO	YAURI TS	YAURI TS
16/	гт	33KV KUDAN	ZARIA TS	ZARIA TS
168	m	33KV MAKARFI	ZARIA TS	ZARIA TS
169	ım	33KV NGASKI	YAURI TS	YAURITS
170	m	33KV NNPC GUSAU	GUSAU TS	GIGINYA HOTEL,KK RICE, CBN, CHATTERN HOUSE SOKOTO WATER ROARD SOKOTO
171	m	33KV TAMBUWAL	BIRNIN KEBBI TS	BIRNIN KEBBI TS
172	ļ.	33KV ZURU	YAURI TS	YAURI TS
173	Ш	T2A	GUSAU TS	GUSAU TS