



ORDER/NERC/270/2021

**BEFORE THE NIGERIAN ELECTRICITY REGULATORY COMMISSION  
IN THE MATTER OF THE EXTRAORDINARY REVIEW OF MULTI-YEAR  
TARIFF ORDER FOR BENIN ELECTRICITY DISTRIBUTION PLC**

1.1. Title

This regulatory instrument may be cited as NERC Order on Performance Improvement Plan (PIP) and Extraordinary Tariff Review Application for Benin Electricity Distribution Plc ("BEDC").

1.2. Commencement

The approved PIP and Capital Expenditure ("CAPEX") programme of BEDC shall take effect from 1st July 2021 and shall remain effective until 30<sup>th</sup> June 2026 unless amended by the Commission.

1.3. Context

BEDC applied to the Commission in November 2019 for a review of the provisions for Capital Expenditure (CAPEX) in its Multi-Year Tariff Order ("MYTO") tariffs to support the implementation of its Performance Improvement Plan ("PIP") over the next 5 years. Under the Power Sector Recovery Program (PSRP), it is envisaged that the Commission would implement a robust tariff review process aiming at improving the performance of the Nigerian Electricity Supply Industry ("NESI"). This process involved a review of the capital expenditure allowances in the MYTO model to align with the Performance Improvement Plans (PIPs) of the Distribution Companies (DisCos). The approved PIP and Extraordinary Tariff Application shall form the basis for BEDC to prioritise the implementation of the proposed CAPEX initiatives. The approved PIPs shall also form the basis for defining KPIs for BEDC for the next 5 years by the Commission with emphasis on improvement in energy throughput and improved service delivery to the customers.

As part of the Stakeholder Consultation Process for Extra Ordinary Tariff Review, the Commission held public hearings to consider the applications filed by BEDC in February

2020 and monitored the stakeholders' engagements by BEDC at different locations within its franchise. Based on the feedback received during the consultations and subsequent deliberations with various stakeholders, the Commission approved the Serviced-Based Tariff (SBT) effective from the 1st of September 2020 to ensure that rates paid by customers align with the quality of service as measured by the daily average availability of power supply over a 60-day reference period. Further updates to BEDC's initial PIP submission have been considered as part of this review to align the PIP with customer expectations of service commitment by BEDC.

#### 1.4. Summary and Overview of BEDC's Network/Current State

Benin Electricity Distribution Plc (BEDC) is one of the successor distribution companies ("DisCos") created following the unbundling and privatization of the state-owned Power Utility, Power Holding Company of Nigeria Plc. BEDC is responsible for the distribution and retail of electricity in Delta, Edo, Ekiti, and Ondo States with geographical coverage of 57,353 square kilometers. The company operates from twenty-seven business units with approximately 350 offices located across the four states with about 18 million people and about 4 million households.

Presently, BEDC Electricity Plc. is fed from 17 TCN Substations through 68 nos. of 33kV lines. BEDC reported having invested a lot of CAPEX in feeder rehabilitation, Transformer repairs, and replacement of obsolete equipment. Also, BEDC has taken over 52 Nos. 33/11kv Injection substations, HVDS network, 33kv, and 11kv lines from NIPP, PMU, FG, and State Government projects.

Despite the growth in distribution capacity, BEDC states that the network is still insufficient to effectively supply its dispersed customer base over its wide geographical location. There are several 33 and 11 kV feeders and transformers that are overloaded. This will require a lot of investment to increase capacity in terms of lines and transformers to deliver improved services. For instance, most of the 33 kV and 11 kV feeders, power and distribution transformers inherited are deficient on account of wooden poles and broken cross arms, undersized conductors, vegetation, lengthy spans, 33 & 11KV Breakers, and protection system aged and leaky, Power and Distribution Transformers and substations without a fence, etc. thus making services unreliable with significant implication on safety and security of supply.

Based on the analysis made, BEDC identified the following supply challenges that must be solved as soon as possible:

- 10 33kV feeders are overloaded out of 68 feeders
- 66 11kV feeders out of 334 are overloaded; to de-load them, 27 11KV feeders are proposed based on as on date loading conditions



- 500 distribution transformers are to be de-loaded in overloaded Distribution Substations.
- 10 33kV feeders require rehabilitation
- 18 feeders and equipment require complete rehabilitation

### 1.5. Stakeholder Consultation

BEDC had followed a process for stakeholder consultation as directed by the Commission. Several focused group discussions to harness stakeholder's views on the service delivery, future expectations, and preferences were conducted with participants.

Key discussion areas for the stakeholder session were:

- Quality and reliability of supply
- Quality of the metering, billing, and payment process
- Consumers perception of the processes
- Consumers relationship management
- Quality of fault complaint and repairs process

Key Challenges	Recommendations	Outcomes
<b>Infrastructure</b>		
Inadequate maintenance of Infrastructure (Transformers, Poles, Wires & Meters)	Partening with Host State Governments on Right of Way	Improved distribution network
Poor enforcements of Right of Way	Systematic/Project Managed Approach to Maintenance	Longer lasting/Well maintained infrastructure capable of handling the required loads.
Adequacy of wires and other supply equipment	ISO 9000 Training	
Vandalism		
<b>Customer Interface/Relations</b>		
Customer Service	Customer Service Training for public facing staff	Better Engaged customers
Staff Identification	24 hrs. accessibility	Improved information flow
Availability of Staff	Active telephone helplines Shift Staff for 24 hrs. responsiveness	More effective workforce
<b>Billing and after sales service</b>		
Perceived uneven Billing across States	Focus on Provision of Meters (MAP & Prepaid)	Improved customer satisfaction
Estimated Billing	Deploy or Upgrade ERP Solution	
Availability of Pre-paid Meters		
Disconnection/Reconnection Services		
<b>Corrupt Practices</b>		
Extortion	Ethics Training	Improved reputation with stakeholders
Bribery	Ensuring adequate pay with limited delays Whistleblower Policy/Complaint Procedures	

*For AHT/KP*



1.6. Outputs proposed with interventions:

BEDC proposes to undertake numerous interventions to improve delivery quality to the customers. Over the next five years the proposed interventions will allow BEDC to achieve the following:

- Reduce AT&C losses from the current level of 52.90% to 21.36% between 2020-24
- Achieve 100% metering of customers by installing 897,000 meters over 5 years
- Improve customer safety and reduce inadvertent accidents
- Increase the number of new customers from the current level of 1,005,313 to 1,300,000 over 5 years

Table – 1 below provides a snapshot of BEDC's proposal

Table – 1: Planned Service Improvements Targets

Planned Service Improvements					
Item	Unit	Current	Service Improvement	Year-5 Target	Variance
Customers	#	1,005,313	294,687	1,300,000	29.31%
ATC&C Loss	%	52.9	31.5	21.36	59.62%
Energy Delivered	GWh	1,423	1,907	3,330.0	134.01%
Average Duration of Supply	(Hrs/Day)	9	4	12	40.76%
Average Frequency of Interruptions	#/day	2	0	1	-15.11%
Average Duration of Interruptions	Hrs/day	10	-5	6	-44.87%

*For HH Argl* 

### 1.7. Investment Strategies:

Key strategies proposed by BEDC to attain the targeted service levels over the next 5 year include the following:

1. Replacement of undersized conductors on 11 kV and 33 kV lines.
2. Replacement of worn-out wooden poles with cement concrete poles. The quantity of wooden poles across the BEDC domain is in the range of 1,500,000 so a lot of expenditure is incurred in the replacement of wooden poles with Cement Poles.
3. Upgrading of Overloaded Distribution Transformers to cater to the supply requirement of the existing customer population.
4. Replacement of Undersized up-riser cables is going on as the load of existing customers.
5. Replacement of Damaged/Worn out feeder pillars.
6. Termination of up-riser with bi-metal and taps on the overhead lines to increase reliability as well general public safety.
7. Fencing of Distribution substations.
8. Replacement of obsolete 11 kV panels to ensure the safety of the workforce and reliability of power supply.
9. Power procurement plan to meet the forecasted demand.
10. Revenue Protection Project (RPP) supported by Advanced Metering Infrastructure (AMI).
11. Installation of Supervisory Control and Data Acquisition System (SCADA)

Table – 2: Proposed Investment (Technical)

Item	Unit	Current	Additions/ Construction	Year-5 Target	Variance	PIP Rehabili tation	% of Rehabili tation
Network Length 33 kV	km	5,437	250	5,687	5%	3,070	56%
Network Length 11 kV	km	4,787	100	4,887	2%	1,543	32%
Network Length 0.4 kV	km	26,499	8,289	34,788	31%		
MVA distributions transformes	MVA	3,803	612	4,415	16%		
# distributions transformes	#	13,916	2,039	15,955	15%		
MVA Substations transformes	MVA	1,872	375	2,247	20%		
# Substations transformes	#	298	25	323	8%		

	2021	2022	2023	2024	2025	Total
	N000,000	N000,000	N000,000	N000,000	N000,000	N000,000
Conversion of LT to ABC	6,075	14,810	8,454	6,433	5,673	41,445
Network expansion and Rehabilitation plans	8,261	10,329	10,118	8,183	7,386	44,277
- Capex plan for DSS	803	1,121	1,308	1,583	1,352	6,167
- Capex plan for New 11KV feeders	288	986	1,633	1,335	1,296	5,250
- Capex plan for Injection SS	902	1,215	1,314	1,172	1,018	5,621
- Capex plan for New 33 KV feeders	688	1,734	2,476	1,104	1,018	6,332
-Network Rehabilitation programme	5,581	5,273	3,387	2,989	2,702	19,932
Metering initiatives	11,753	29,448	16,105	7,766	4,905	69,977
System improvement & Customer Centric initiatives	644	792	564	616	688	3,304
Miscellaneous	1,520	1,370	590	555	555	4,590
Vehicle	1,970	1,320	660	660	660	5,270
Total Projected Capex of BEDC	<u>30,224</u>	<u>58,069</u>	<u>36,491</u>	<u>24,212</u>	<u>19,867</u>	<u>168,863</u>

## 2.0 Commission's Review

2.1. The Commission's Guideline for PIP Application established criteria for BEDC to prepare an output-based plan that sets out the service improvement output targets over the planning horizon of 5 years. This plan includes the programs and activities that will lead to the realisation of those outputs, the human and material resources required, the projected costs and analysis of the risk factors, and the proposed mitigation measures. BEDC's PIP and Extraordinary tariff review application was exposed to a Public Hearing and consultation presided over by a panel of three commissioners in line with the Business Rules and the "Regulations on Procedure for Electricity Tariff Reviews in the Nigerian Electricity Supply Industry" in February 2020. The Hearing provided an avenue for customers, interested parties, and expert intervenors to critically examine BEDC's proposal and the associated expected improvement in service levels. BEDC was further directed to conduct stakeholders' (customers') engagements at various locations within its franchise area which were attended to and monitored by the staff of the Commission.

2.2. Following the outcome of the public consultation, the Commission had vide Order NERC/198/2020 required BEDC to update its PIP and Extraordinary Tariff Review Application by disaggregating its respective service areas and/or customers per quality of service in order to align rates payable by customers with the quality of supply ("service-

based tariffs"). A further review of BEDC's updated submission was considered using the following criteria:

- i. completeness and consistency of the description of each component of the PIP;
- ii. compliance of each component with the Guidelines for preparation of PIPs issued by NERC;
- iii. analysis of expected results/outcomes from the implementation of each component including the mitigants provided for addressing identified challenges that may hinder the achievement of target;
- iv. thorough price benchmarking and other relevant approaches estimation of resources (physical amounts and related OpEx and CapEx) for each component;
- v. determining if the cost and timeline for delivering the output is efficient;
- vi. assessing the efficiency of the proposed financing arrangement;
- vii. analysing the level of technology/modernization leap proposed going forward;
- viii. determining and analysing the overall level of efficiency improvement proposed;
- ix. identification of issues requiring clarifications complements and/or amendments by DISCOs.

### 3.0 Results of the Review

The Commission having considered BEDC's PIP and Extraordinary Tariff Review Application in line with the provision of EPSRA and relevant regulations approved PIP and CAPEX programme over 5 years as provided in Table – 4 and Table – 5 below. Summary of approved projects for Year-1 and Year-2 are also provided in Table – 6. While a detailed list of approved projects for Year-1 and Year-2 are provided in Appendices 1 and 2 respectively.

Table – 4: Approved 5-year PIP and CAPEX Programme

Year	2021	2022	2023	2024	2025	Total
	Period - 1	Period - 2	Period - 3	Period - 4	Period - 5	Period 1 – 5
	N000,000	N000,000	N000,000	N000,000	N000,000	N000,000
Annual Approved CAPEX	18,706.5	18,706.5	18,706.5	18,706.5	18,706.5	93,532.7

Table – 5: BEDC's Approved 5-year PIP and CAPEX Programme

5-Year Approved PIP	
	<i>N000,000</i>
<b>Total CAPEX</b>	<b><u>93,532.7</u></b>
<b>Distribution Network Capex</b>	<b>74,435.2</b>
Construction of 33kV Feeder	2,026.9
Rehabilitation of 33kV Feeder	11,104.9
Construction of 11kV Feeder	2,719.7
Rehabilitation of 11kV Feeder	7,670.6
Construction of 0.400kV Feeder	37,879.1
Distributions transformers (plan)	6,356.4
MVA Substations transformers (plan)	6,677.7
ATC&C Loss Reduction Plan (total)	-
Customer Service Improvement Plan	1,304.1
IT Investments (SCADA+GIS+ERP+HSE)	4,213.1
SCADA Initiatives	1916.1
GIS Improvement	276.2
ERP System Infrastructure	368.5
HSE Initiatives	452.3
AMI Network Metering	1200.0
Customer Metering Capex	-
Network Metering Capex	4,240.4
Others	9,339.8



Table – 6: BEDC's Approved PIP and CAPEX Programme for 2021 and 2022

Approved PIP	2021	2022
	<i>N000,000</i>	<i>N000,000</i>
<b>Total CAPEX</b>	<b><u>18,706.5</u></b>	<b><u>18,706.5</u></b>
<b>Distribution Network Capex</b>	<b>12,661.3</b>	<b>16,356.9</b>
Construction of 33kV Feeder	1,354.1	469.0
Rehabilitation of 33kV Feeder	2,131.5	2,461.5
Construction of 11kV Feeder	1,156.8	1,562.8
Rehabilitation of 11kV Feeder	427.5	1,354.5
Construction of 0.400kV Feeder	4,689.4	3,851.4
Distributions transformers (plan)	1,308.5	1,573.6
MVA Substations transformers (plan)	1,593.5	5,084.2
ATC&C Loss Reduction Plan (total)	-	-
Customer Service Improvement Plan	1,068.8	235.4
IT Investments (SCADA+GIS+ERP+HSE)	2,295.8	725.0
SCADA Initiatives	750.0	250.0
GIS Improvement	0.0	0.0
ERP System Infrastructure	168.5	200.0
HSE Initiatives	277.3	175.0
AMI Network Metering	1100.0	100.0
Customer Metering Capex	-	-
Network Metering Capex	1,876.3	919.2
Others	804.4	470.1

*John MAA APM* 

#### 4.0 Annual Update of PIPs

BEDC shall be required to provide an annual update to the PIP to reflect the proposed investment programme as part of the Minor Review of Tariffs on a continuous basis. The Commission recognizes this PIP as a dynamic roadmap of where BEDC envisions to be in the next five (5) years and will continue to evolve in alignment with market development and changes to the operating environment. BEDC may invest more than the indicated annual CAPEX figure in any particular year on account of front-loading proposed future investments or due to the unanticipated critical investment needs subject to the approval of the Commission.

#### 5.0 Front-loading of CAPEX

BEDC is at liberty to front-load its CAPEX programmes to attain accelerated service improvements. Front-loading of CAPEX programme in any year shall not exceed annual CAPEX for the following year in line with the framework for continuous update of the PIPs.

#### 6.0 CAPEX Clawback

Annual CAPEX provisions that are unutilized or imprudently expended shall be clawed back during Minor Reviews of Tariffs in line with the requirements of Section 7(a) of Regulations on Procedure for Electricity Tariff Reviews in the NESI.

#### 7.0 Commencement and Effectiveness

The approved PIP and CAPEX programme of BEDC shall take effect on the 1st day of July 2021 and shall remain effective until the 30<sup>th</sup> day of June 2026.

#### 8.0 Signature

Dated this 29<sup>th</sup> day of April 2021

  
Sanusi Garba  
Chairman

  
Dafe C. Akpeneye  
Commissioner

# Appendices

John M. Hill

Appendix 1 - Details of Planned 2021 Investments for Benin Electricity Distribution Company

Distribution Network: lines						
Project Type: Construction of 33kV Feeder						
#	Project Description	Location	Route Length (km)	Project Completion Date (MM - YY)	Expected Impact in MW)	
1	33kv double circuit feeder from Ihobor TCN to Benin bypass to pick 19 nos MD customers [ 31KMs x 2]	From Ihobor TCN to Benin bypass	31	Dec-21	10	
2	33kv double circuit feeder from Agbor TCN to Asaba [ tsele-uku to deload Asaba TCN [50KMs x 2]	From Agbor TCN to Asaba	50	Dec-21	15	
3	Extension of 2.9km Double Circuit PTI 33kv Dedicated Feeder, Along DSC-Osubi Road and installation of 1No. 33kv Gang Isolator	Along DSC-Osubi Road	2.9	Sep-21	2	
4	Extension of 1.7km Single Circuit PTI 33kv Dedicated Feeder, Along DSC-Osubi Road and installation of 1No. 33kv Gang Isolator	Along DSC-Osubi Road	1.7	Sep-21	2	
5	Extension of 3.2km Ogwashi-Uku 33kv line to NIPP Ubulu-Uku ISS (Construction of 1.7km 33kv line and upgrade of 1.5km abandoned NIPP 11kv line to 33kv line) from DBS Junction along Ogwashi-Uku/Ubulu-Uku/Umunede Rd). Purpose of the project is to de-load 33 kv tsele-Uku feeder	From Ogwashi-Uku to Ubuluku, along Ogwashi-Uku/Ubulu-Uku/Umunede Rd).	3.2	Oct-21	3.5	
6	33 KV New feeder from Ugheli TCN to Ugheli town by utilizing the 33kv NIPP abundant line	From Ugheli TCN to Ugheli town	15	Nov-21	7	
7	Extension of 33kv Iworoko line to connect to Otun Line	Iworoko line to connect to Otun Line	5.5	Sep-21	4	
8	Extension of 33kv Otun line to connect to Igbe Dam	Otun line to connect to Igbe Dam	5	Sep-21	1	



*Distribution Network: lines*

*Project Type: Rehabilitation of 33kV Feeder*

#	Project Description	Type of Rehabilitation	Location	Route Length (km)	Project Completion Date (MM - YY)	Expected Impact in MW)
1	Rehabilitation and trace clearing of Irua Agbor 33kv Line from Irua TS to Agbor including T-Offs	Replacement of Poles, Poles accessories, Jumpers, Under sized / worn-out conductor and trace clearing	Agbor BU	52	Nov-21	7
2	Rehabilitation and trace clearing 33 kv Aladio feeder with T-Offs	Replacement of Poles, Poles accessories, Jumpers, Under sized / worn-out conductor and trace clearing	Udu BU	75	Aug-21	10
3	Rehabilitation and trace clearing of 33 kv Isako/Kwale feeder with T-Offs	Replacement of Poles, Poles accessories, Jumpers, Under sized / worn-out conductor and trace clearing	Isako BU	40	Sep-21	3
4	Rehabilitation and trace clearing of 33 kv Refinery 1 between Obodo- Omadino feeder with T-Offs	Replacement of Poles, Poles accessories, Jumpers, Under sized / worn-out conductor and trace clearing	Effurun BU	18	Sep-21	5
5	Rehabilitation and trace clearing of 33 kv Isesle Uku feeder with T-Offs	Replacement of Poles, Poles accessories, Jumpers, Under sized / worn-out conductor and trace clearing	Asaba BU	25	Aug-21	4
6	Rehabilitation and trace clearing of 33 kv Agbado/Eku feeder with T-Offs	Replacement of Poles, Poles accessories, Jumpers, Under sized / worn-out conductor and trace clearing	Obiaruku	32	Oct-21	4
7	Rehabilitation and trace clearing 33KV Oloyowodo Patani / Bomadi with T-Offs	Replacement of Poles, Poles accessories, Jumpers, Under sized / worn-out conductor and trace clearing	Ughelli BU	60	Oct-21	5
8	Rehabilitation and trace clearing 33 kv Industrial feeder with T-Offs	Replacement of Poles, Poles accessories, Jumpers, Under sized / worn-out conductor and trace clearing	Sapele BU	15	Aug-21	4

9	Rehabilitation and trace clearing 33 kv Sapele feeder with T-Offs	Replacement of Poles, Poles accessories, Jumpers, Under sized / worn-out conductor and trace clearing	Sapele BU	15	Aug-21	4
10	Rehabilitation and trace clearing 33KV Warri with T-Offs	Replacement of Poles, Poles accessories, Jumpers, Under sized / worn-out conductor and trace clearing	Warri BU	15	Aug-21	5
11	Rehabilitation and trace clearing 33 kv Refinery 2 feeder with T-Offs	Replacement of Poles, Poles accessories, Jumpers, Under sized / worn-out conductor and trace clearing	Warri BU	14	Aug-21	6
12	Rehabilitation and trace clearing of Express 33kv from Tx Okoda to Okomu Company	Replacement of Poles, Poles accessories, Jumpers, Under sized / worn-out conductor and trace clearing	Okoda BU	10	Sep-21	5
13	Rehabilitation and trace clearing of 33kv Ehor from Iruva TCN to Watch Tower	Replacement of Poles, Poles accessories, Jumpers, Under sized / worn-out conductor and trace clearing	Uromi BU	35	Oct-21	7
14	Rehabilitation and trace clearing of 33kv Egbo	Replacement of Poles, Poles accessories, Jumpers, Under sized / worn-out conductor and trace clearing	Ikpoba Dam	14	Oct-21	10
15	Rehabilitation and trace clearing of Oluku 33kv between Ikoror Tx and Nifor.	Replacement of Poles, Poles accessories, Jumpers, Under sized / worn-out conductor and trace clearing	Okoda BU	35	Aug-21	10
16	Rehabilitation and trace clearing of 33kv Oghara from Edo boundary to bye pass	Replacement of Poles, Poles accessories, Jumpers, Under sized / worn-out conductor and trace clearing	Etele BU	43	Sep-21	5

*Distribution Network: lines*

*Project Type: Construction of 11kV Feeder*

#	Project Description	Overhead/underground	Conductor Size (mm <sup>2</sup> )	Location	Route Length (km)	Project Completion Date (MM-YY)	Expected Impact in MW
1	Proposed 11 KV Koko dedicated feeder	Overhead	150 mm <sup>2</sup>	Oghara BU	7	Oct-21	2



1	CABINET	Replacement of Poles, Poles accessories, Jumpers, Under sized / worn-out conductor and trace clearing	Overhead / mm2	Asa bo BU	14	Oct-21	4
2	GOVT. HOUSE	Replacement of Poles, Poles accessories, Jumpers, Under sized / worn-out conductor and trace clearing	Overhead / mm2	Asa bo BU	10	Oct-21	1.5
3	ASABA ALUMINIUM	Replacement of Poles, Poles accessories, Jumpers, Under sized / worn-out conductor and trace clearing	Overhead / mm2	Asa bo BU	4	Oct-21	3
4	TOWNSHIP	Replacement of Poles, Poles accessories, Jumpers, Under sized / worn-out conductor and trace clearing	Overhead / mm2	Asa bo BU	5	Oct-21	4
5	DUMEZ	Replacement of Poles, Poles accessories, Jumpers, Under sized / worn-out conductor and trace clearing	Overhead / mm2	Etele BU	8	Oct-21	6
6	UGBOR	Replacement of Poles, Poles accessories, Jumpers, Under sized / worn-out conductor and trace clearing	Overhead / mm2	Etele BU	16	Oct-21	5
7	UPPER SAPELE	Replacement of Poles, Poles accessories, Jumpers, Under sized / worn-out conductor and trace clearing	Overhead / mm2	Etele BU	12	Oct-21	4
8	COUNTRY HOME	Replacement of Poles, Poles accessories, Jumpers, Under sized / worn-out conductor and trace clearing	Overhead / mm2	Etele BU	23	Oct-21	4
9	PALACE	Replacement of Poles, Poles accessories, Jumpers, Under sized / worn-out conductor and trace clearing	Overhead / mm2	Ond o BU	22	Oct-21	4

*Distribution Network: lines*

*Project Type: Construction and Rehabilitation of 0.400KV Feeder*

#	Project Description	Type of Project	Overhead/ underground	Conductor Size (mm <sup>2</sup> )	Location	Route Length h (km)	Project Completion Date (MM - YY)	Expected Impact in MW





1	ASABA (Anwani)	Constructio n	Overhead (IT ABC)	95 mm2	Asaba BU (Delta State)	150	Dec-21	
2	ASABA (Okpanam)	Constructio n	Overhead (IT ABC)	95 mm2	Asaba BU (Delta State)	150	Dec-21	
3	BENIN (Etefe)	Constructio n	Overhead (IT ABC)	95 mm2	Etefe BU (Edo State)	150	Dec-21	
4	BENIN (GRA)	Constructio n	Overhead (IT ABC)	95 mm2	GRA BU (Edo State)	100	Dec-21	
5	Agbor BU (Delta State)	Rehabilitati on	Overhead	100/150 mm2	Agbor BU (Delta State)	75	Oct-21	
6	Asaba BU (Delta State)	Rehabilitati on	Overhead	100/150 mm2	Asaba BU (Delta State)	125	Oct-21	
7	Effurun BU (Delta State)	Rehabilitati on	Overhead	100/150 mm2	Effurun BU (Delta State)	125	Oct-21	
8	Isako BU (Delta State)	Rehabilitati on	Overhead	100/150 mm2	Isako BU (Delta State)	50	Oct-21	
9	Koko BU (Delta State)	Rehabilitati on	Overhead	100/150 mm2	Koko BU (Delta State)	125	Oct-21	
10	Obiaruku BU (Delta State)	Rehabilitati on	Overhead	100/150 mm2	Obiaruku BU (Delta State)	50	Oct-21	
11	Oghara BU (Delta State)	Rehabilitati on	Overhead	100/150 mm2	Oghara BU (Delta State)	50	Oct-21	
12	PTI BU (Delta State)	Rehabilitati on	Overhead	100/150 mm2	PTI BU (Delta State)	50	Oct-21	
13	Sapele BU (Delta State)	Rehabilitati on	Overhead	100/150 mm2	Sapele BU (Delta State)	125	Oct-21	
14	Udu BU (Delta State)	Rehabilitati on	Overhead	100/150 mm2	Udu BU (Delta State)	50	Oct-21	
15	Ughelli BU (Delta State)	Rehabilitati on	Overhead	100/150 mm2	Ughelli BU (Delta State)	125	Oct-21	
16	Warri BU (Delta State)	Rehabilitati on	Overhead	100/150 mm2	Warri BU (Delta State)	125	Oct-21	
17	Auchi BU (Edo State)	Rehabilitati on	Overhead	100/150 mm2	Auchi BU (Edo State)	125	Oct-21	

18	Etieta BU (Edo State)	Rehabilitati on	Overhead	100/150 mm <sup>2</sup>	Etieta BU (Edo State)	125	Oct-21	
19	Evuokhubu BU (Edo State)	Rehabilitati on	Overhead	100/150 mm <sup>2</sup>	Evuokhubu BU (Edo State)	100	Oct-21	
20	GRA BU (Edo State)	Rehabilitati on	Overhead	100/150 mm <sup>2</sup>	GRA BU (Edo State)	125	Oct-21	
21	Ikpoba Hill BU (Edo State)	Rehabilitati on	Overhead	100/150 mm <sup>2</sup>	Ikpoba Hill BU (Edo State)	125	Oct-21	
22	Okada BU (Edo State)	Rehabilitati on	Overhead	100/150 mm <sup>2</sup>	Okada BU (Edo State)	75	Oct-21	
23	Sokponba BU (Edo State)	Rehabilitati on	Overhead	100/150 mm <sup>2</sup>	Sokponba BU (Edo State)	125	Oct-21	
24	Ugbowo BU (Edo State)	Rehabilitati on	Overhead	100/150 mm <sup>2</sup>	Ugbowo BU (Edo State)	100	Oct-21	
25	Uromi BU (Edo State)	Rehabilitati on	Overhead	100/150 mm <sup>2</sup>	Uromi BU (Edo State)	75	Oct-21	
26	Ado Ekiti BU (Ekiti State)	Rehabilitati on	Overhead	100/150 mm <sup>2</sup>	Ado Ekiti BU (Ekiti State)	50	Oct-21	
27	Ido - Ekiti BU (Ekiti State)	Rehabilitati on	Overhead	100/150 mm <sup>2</sup>	Ido - Ekiti BU (Ekiti State)	50	Oct-21	
28	Akure BU (Ondo State)	Rehabilitati on	Overhead	100/150 mm <sup>2</sup>	Akure BU (Ondo State)	125	Oct-21	
29	Igbarru Oke BU (Ondo State)	Rehabilitati on	Overhead	100/150 mm <sup>2</sup>	Igbarru Oke BU (Ondo State)	50	Oct-21	
30	Ondo BU (Ondo State)	Rehabilitati on	Overhead	100/150 mm <sup>2</sup>	Ondo BU (Ondo State)	125	Oct-21	
31	Owo BU (Ondo State)	Rehabilitati on	Overhead	100/150 mm <sup>2</sup>	Owo BU (Ondo State)	50	Oct-21	

*Distribution Network: stations*

*Project Type: New Construction, Reinforcement and Standardisation of Distribution Sub-station*

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#	Name of Substation	Transformer Voltage (kV)	Rating - kVA	Type of work (New Construction or Replacement)	Location	Quantity	Project Completion Date (MM - YY)	Expected Impact in MW
1	Goaris	11/0.415	100	Replacement	Auchi BU	1	Nov-21	0.040
2	Egbo Olomoro 1	11/0.415	200	Replacement	Isoko	1	Nov-21	0.080
3	Benin club	11/0.415	200	Replacement	GRA	1	Nov-21	0.080
4	GRA	11/0.415	200	Replacement	Uromi	1	Nov-21	0.080
5	JIGBO	11/0.415	200	Replacement	Ado Ekiti	1	Nov-21	0.080
6	BULK PURCHASE	11/0.415	200	Replacement	Ado Ekiti	1	Nov-21	0.080
7	Okala 1	11/0.415	200	Replacement	Ido - Ekiti	1	Nov-21	0.080
8	WILFRED OKOH	11/0.415	300	Replacement	Agbor	1	Nov-21	0.120
9	OBLAZIKWOR	11/0.415	300	Replacement	Agbor	1	Nov-21	0.120
10	ONYIBE	11/0.415	300	Replacement	Agbor	1	Nov-21	0.120
11	Express 1	11/0.415	300	Replacement	Asaba	1	Nov-21	0.120
12	Nwawolo 3	11/0.415	300	Replacement	Asaba	1	Nov-21	0.120
13	Microfinance	11/0.415	300	Replacement	Asaba	1	Nov-21	0.120
14	Ogbe - Ozoma	11/0.415	300	Replacement	Asaba	1	Nov-21	0.120
15	Ogbe-Owelle	11/0.415	300	Replacement	Asaba	1	Nov-21	0.120
16	Odiachi 11	11/0.415	300	Replacement	Asaba	1	Nov-21	0.120
17	Dekaci	11/0.415	300	Replacement	Asaba	1	Nov-21	0.120
18	kingdom hall	11/0.415	300	Replacement	Isoko	1	Nov-21	0.120
19	Old olomoro 1	11/0.415	300	Replacement	Isoko	1	Nov-21	0.120
20	Omotigbe	11/0.415	300	Replacement	Obiaruku	1	Nov-21	0.120
21	WaterBoard	11/0.415	300	Replacement	Obiaruku	1	Nov-21	0.120
22	New Agric I/Out	11/0.415	300	Replacement	Obiaruku	1	Nov-21	0.120
23	Lucas	11/0.415	300	Replacement	Obiaruku	1	Nov-21	0.120
24	St. Mathias	11/0.415	300	Replacement	Obiaruku	1	Nov-21	0.120
25	Austin Obodwoe	11/0.415	300	Replacement	Obiaruku	1	Nov-21	0.120

26	Police Station	11/0.415	300	Replacement	Obiaruku	1	Nov-21	0.120
27	Okwudofe	11/0.415	300	Replacement	Obiaruku	1	Nov-21	0.120
28	REB	11/0.415	300	Replacement	Obiaruku	1	Nov-21	0.120
29	Wata	11/0.415	300	Replacement	Oghoro	1	Nov-21	0.120
30	Otefe I	11/0.415	300	Replacement	Oghoro	1	Nov-21	0.120
31	Otefe III	11/0.415	300	Replacement	Oghoro	1	Nov-21	0.120
32	2nd urf	11/0.415	300	Replacement	PTI	1	Nov-21	0.120
33	JJohnson	11/0.415	300	Replacement	PTI	1	Nov-21	0.120
34	2nd Okoukoko	11/0.415	300	Replacement	PTI	1	Nov-21	0.120
35	kigho 2	11/0.415	300	Replacement	Sapele	1	Nov-21	0.120
36	Police Barrack	11/0.415	300	Replacement	Sapele	1	Nov-21	0.120
37	Decimal 2	11/0.415	300	Replacement	Sapele	1	Nov-21	0.120
38	Igbayo	11/0.415	300	Replacement	Sapele	1	Nov-21	0.120
39	OKORI ROAD	11/0.415	300	Replacement	Ughelli	1	Nov-21	0.120
40	5th Odungun	11/0.415	300	Replacement	Warri	1	Nov-21	0.120
41	St. Paul	11/0.415	300	Replacement	Warri	1	Nov-21	0.120
42	6th Okokutu	11/0.415	300	Replacement	Warri	1	Nov-21	0.120
43	POWERLINE	11/0.415	300	Replacement	Etefe	1	Nov-21	0.120
44	ODIN BISCUIT RELIEF	11/0.415	300	Replacement	Etefe	1	Nov-21	0.120
45	REUBEN AGHO	11/0.415	300	Replacement	Etefe	1	Nov-21	0.120
46	Okungbowa 1	11/0.415	300	Replacement	Evbuotubu	1	Nov-21	0.120
47	Ovbiogie primary school	11/0.415	300	Replacement	Okada	1	Nov-21	0.120
48	Isikhukhu community	11/0.415	300	Replacement	Okada	1	Nov-21	0.120
49	Iyayi	11/0.415	300	Replacement	Okada	1	Nov-21	0.120
50	Nddc ITV	11/0.415	300	Replacement	Okada	1	Nov-21	0.120
51	Akure	11/0.415	300	Replacement	Ugbowo	1	Nov-21	0.120
52	Anglican Shopping Complex	11/0.415	300	Replacement	Uromi	1	Nov-21	0.120
53	Obierumu 11	11/0.415	300	Replacement	Uromi	1	Nov-21	0.120
54	Uwalor 11	11/0.415	300	Replacement	Uromi	1	Nov-21	0.120
55	IREAKARI	11/0.415	300	Replacement	Ado Ekiti	1	Nov-21	0.120



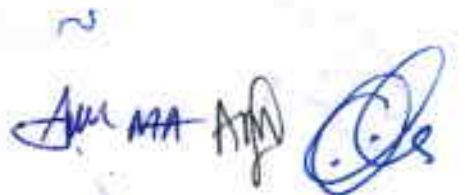
56	ERINWA	11/0.415	300	Replacement	Ado Ekiti	1	Nov-21	0.120
57	OIEE	11/0.415	300	Replacement	Ado Ekiti	1	Nov-21	0.120
58	Methodist	11/0.415	300	Replacement	Ado Ekiti	1	Nov-21	0.120
59	OKESHA	11/0.415	300	Replacement	Ado Ekiti	1	Nov-21	0.120
60	Mission	11/0.415	300	Replacement	Ondo	1	Nov-21	0.120
61	M&K	11/0.415	300	Replacement	Ondo	1	Nov-21	0.120
62	Colleg rd 1	11/0.415	300	Replacement	Ondo	1	Nov-21	0.120
63	Larada	11/0.415	300	Replacement	Ondo	1	Nov-21	0.120
64	General Hospital Igbokodo	11/0.415	300	Replacement	Ondo	1	Nov-21	0.120
65	Mega	11/0.415	300	Replacement	Ondo	1	Nov-21	0.120
66	Ipirle	11/0.415	300	Replacement	Ondo	1	Nov-21	0.120
67	GRA	11/0.415	300	Replacement	Ondo	1	Nov-21	0.120
68	Udoh S/S	11/0.415	300	Replacement	Owo	1	Nov-21	0.120
69	Alafia S/S	11/0.415	300	Replacement	Owo	1	Nov-21	0.120
70	Tabacco S/S	11/0.415	300	Replacement	Owo	1	Nov-21	0.120
71	Akusu	11/0.415	500	Replacement	Ehurun	1	Nov-21	0.200
72	Hospital 1	11/0.415	500	Replacement	Isoko	1	Nov-21	0.200
73	Ehwere 1	11/0.415	500	Replacement	Obianku	1	Nov-21	0.200
74	Wima	11/0.415	500	Replacement	Obianku	1	Nov-21	0.200
75	NUTI	11/0.415	500	Replacement	Obianku	1	Nov-21	0.200
76	Oghareki 1	11/0.415	500	Replacement	Oghara	1	Nov-21	0.200
77	ISODJE 11	11/0.415	500	Replacement	Ughelli	1	Nov-21	0.200
78	General Hospital	11/0.415	500	Replacement	Auchi	1	Nov-21	0.200
79	Shogodi	11/0.415	500	Replacement	Auchi	1	Nov-21	0.200
80	ICE	11/0.415	500	Replacement	Ebunotubu	1	Nov-21	0.200
81	Specialist	11/0.415	500	Replacement	GRA	1	Nov-21	0.200
82	OMOMA 1	11/0.415	500	Replacement	GRA	1	Nov-21	0.200
83	Ibive	11/0.415	500	Replacement	Sokponba	1	Nov-21	0.200
84	Urhonigbe	11/0.415	500	Replacement	Ugbowo	1	Nov-21	0.200
85	Old Rubber Board	11/0.415	500	Replacement	Ugbowo	1	Nov-21	0.200

86	Abia I	11/0.415	500	Replacement	Uromi	1	Nov-21	0.200
87	Aluda 1	11/0.415	500	Replacement	Uromi	1	Nov-21	0.200
88	Agogo	11/0.415	500	Replacement	Uromi	1	Nov-21	0.200
89	Sabo II	11/0.415	500	Replacement	Ordo	1	Nov-21	0.200
90	NDDC	11/0.415	500	Replacement	Ordo	1	Nov-21	0.200
91	Ishakunmi S/S	11/0.415	500	Replacement	Owo	1	Nov-21	0.200
92	OBADA (ERIO)	33/0.415	200	Replacement	Ido . Ekiti	1	Nov-21	0.080
93	POLICE ERO	33/0.415	200	Replacement	Igbora Oke	1	Nov-21	0.080
94	Unity Odeaye	33/0.415	200	Replacement	Ordo	1	Nov-21	0.080
95	Ase S/S	33/0.415	200	Replacement	Owo	1	Nov-21	0.080
96	Oghora 1	33/0.415	300	Replacement	Isoko	1	Nov-21	0.120
97	Oghenerurie	33/0.415	300	Replacement	Isoko	1	Nov-21	0.120
98	Odiologbo 2	33/0.415	300	Replacement	Isoko	1	Nov-21	0.120
99	Uruele 1	33/0.415	300	Replacement	Isoko	1	Nov-21	0.120
100	Express Eybaesi	33/0.415	300	Replacement	Obianku	1	Nov-21	0.120
101	Uyiosa	33/0.415	300	Replacement	Obianku	1	Nov-21	0.120
102	Jimu	33/0.415	300	Replacement	Oghora	1	Nov-21	0.120
103	Okwogbaye	33/0.415	300	Replacement	Oghora	1	Nov-21	0.120
104	Okweka	33/0.415	300	Replacement	Oghora	1	Nov-21	0.120
105	Owe	33/0.415	300	Replacement	Oghora	1	Nov-21	0.120
106	Okwodo	33/0.415	300	Replacement	Oghora	1	Nov-21	0.120
107	Alorukpe	33/0.415	300	Replacement	Oghora	1	Nov-21	0.120
108	Kpokpogni	33/0.415	300	Replacement	Sapele	1	Nov-21	0.120
109	Ekoko	33/0.415	300	Replacement	Sapele	1	Nov-21	0.120
110	Okobia	33/0.415	300	Replacement	Sapele	1	Nov-21	0.120
111	Erogho	33/0.415	300	Replacement	Sapele	1	Nov-21	0.120
112	Oviri Court	33/0.415	300	Replacement	Sapele	1	Nov-21	0.120
113	Ithabome	33/0.415	300	Replacement	Sapele	1	Nov-21	0.120
114	Igo Eweka	33/0.415	300	Replacement	Eybaetubu	1	Nov-21	0.120
115	Iguorothor	33/0.415	300	Replacement	Eybaetubu	1	Nov-21	0.120



116	Odighi community	33/0.415	300	Replacement	Okado	1	Nov-21	0.120
117	Egure	33/0.415	300	Replacement	Uromi	1	Nov-21	0.120
118	Emu II	33/0.415	300	Replacement	Uromi	1	Nov-21	0.120
119	Onoghola	33/0.415	300	Replacement	Uromi	1	Nov-21	0.120
120	Inuele	33/0.415	300	Replacement	Uromi	1	Nov-21	0.120
121	SURULERE/SAMMY	33/0.415	300	Replacement	Ado Ekiti	1	Nov-21	0.120
122	AFRICAN CHURCH	33/0.415	300	Replacement	Ado Ekiti	1	Nov-21	0.120
123	GBEMISOLA	33/0.415	300	Replacement	Ado Ekiti	1	Nov-21	0.120
124	ERINFUN	33/0.415	300	Replacement	Ado Ekiti	1	Nov-21	0.120
125	POLICE (POTI)	33/0.415	300	Replacement	Ido - Ekiti	1	Nov-21	0.120
126	OJU - OJA	33/0.415	300	Replacement	Ido - Ekiti	1	Nov-21	0.120
127	Lasia	33/0.415	300	Replacement	Ondo	1	Nov-21	0.120
128	Fesolas	33/0.415	300	Replacement	Ondo	1	Nov-21	0.120
129	Igba II	33/0.415	300	Replacement	Ondo	1	Nov-21	0.120
130	Igba-gia (Opeyewa)	33/0.415	300	Replacement	Ondo	1	Nov-21	0.120
131	Jibulokun	33/0.415	300	Replacement	Ondo	1	Nov-21	0.120
132	Ajatta 5/5	33/0.415	300	Replacement	Owo	1	Nov-21	0.120
133	Okaubo	33/0.415	500	Replacement	Isoko	1	Nov-21	0.200
134	2ND OKPAKA	33/0.415	500	Replacement	PTI	1	Nov-21	0.200
135	Amanal Relief	33/0.415	500	Replacement	Eiele	1	Nov-21	0.200
136	Ohoghobi 2	33/0.415	500	Replacement	Eiele	1	Nov-21	0.200
137	Blessed Avenue 1	33/0.415	500	Replacement	Eyuvotubu	1	Nov-21	0.200
138	Ago-ibigle	33/0.415	500	Replacement	Eyuvotubu	1	Nov-21	0.200
139	Ibore 1	33/0.415	500	Replacement	Uromi	1	Nov-21	0.200
140	commercial roads	33/0.415	500	Replacement	Uromi	1	Nov-21	0.200
141	OKE OSUN	33/0.415	500	Replacement	Ado Ekiti	1	Nov-21	0.200
142	ARAROMI	33/0.415	500	Replacement	Ado Ekiti	1	Nov-21	0.200
143	POST OFFICE	33/0.415	500	Replacement	Ado Ekiti	1	Nov-21	0.200
144	OLD EGBEWA	33/0.415	500	Replacement	Ido - Ekiti	1	Nov-21	0.200
145	Sopass	33/0.415	500	Replacement	Ondo	1	Nov-21	0.200

146	Ajaye sawmill	33/0.415	500	Replacement	Ordo	1	Nov-21	0.200
147	Ajaye Grammar School	33/0.415	500	Replacement	Ordo	1	Nov-21	0.200
148	Lijoka	33/0.415	500	Replacement	Ordo	1	Nov-21	0.200
149	Idimango	33/0.415	500	Replacement	Ordo	1	Nov-21	0.200
150	Kopek	33/0.415	500	Replacement	Ordo	1	Nov-21	0.200
151	Adelokunbo S/S	33/0.415	500	Replacement	Owo	1	Nov-21	0.200
152	NDDC	11/0.415	300	Augmentatio n	Eiele	1	Nov-21	0.120
153	Zoni-Zoni	11/0.415	300	Augmentatio n	Eiele	1	Nov-21	0.120
154	Idogbo I	11/0.415	300	Augmentatio n	Eiele	1	Nov-21	0.120
155	IDEHEN	11/0.415	300	Augmentatio n	GRA	1	Nov-21	0.120
156	AGBOR TECH	11/0.415	300	Augmentatio n	AGBOR	1	Nov-21	0.120
157	Master Key	11/0.415	300	Augmentatio n	Asaba	1	Nov-21	0.120
158	Vitafam I	11/0.415	300	Augmentatio n	Sapele	1	Nov-21	0.120
159	GRA	11/0.415	300	Augmentatio n	Ughelli	1	Nov-21	0.120
160	OLORUNSOGO 1	11/0.415	300	Augmentatio n	Ado Ekiti	1	Nov-21	0.120
161	Bopilai	11/0.415	300	Augmentatio n	Ordo	1	Nov-21	0.120
162	Ikwegwu	11/0.415	200	New Construction	Obianku	1	Dec-21	0.080
163	EVBUORIOBAYILLAGE	11/0.415	200	New Construction	GRA	1	Dec-21	0.080
164	Iyowa	11/0.415	200	New Construction	Okada	1	Dec-21	0.080

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165	Unuenu	11/0.415	200	New Construction	Sokponba	1	Dec-21	0.080
166	Oriofa	11/0.415	200	New Construction	Uromi	1	Dec-21	0.080
167	ADO GRAMMAR SCHOOL	11/0.415	200	New Construction	Ado Ekiti	1	Dec-21	0.080
168	CSP Okha Useni	11/0.415	200	Augmentatio <sup>n</sup>	Efete	1	Nov-21	0.080
169	CSP Okabere	11/0.415	200	Augmentatio <sup>n</sup>	Efete	1	Nov-21	0.080
170	JURIN	33/0.415	200	Augmentatio <sup>n</sup>	Ido - Ekiti	1	Nov-21	0.080
171	Garage	33/0.415	300	Augmentatio <sup>n</sup>	Oghara	1	Nov-21	0.120
172	Isbor	33/0.415	300	Augmentatio <sup>n</sup>	Auchi	1	Nov-21	0.120
173	Aiyegboju	33/0.415	300	Augmentatio <sup>n</sup>	Ido - Ekiti	1	Nov-21	0.120
174	IWARO(POTT)	33/0.415	300	Augmentatio <sup>n</sup>	Ido - Ekiti	1	Nov-21	0.120
175	GARAGE (AYETORO)	33/0.415	300	Augmentatio <sup>n</sup>	Ido - Ekiti	1	Nov-21	0.120
176	UBA ILARA	33/0.415	300	Augmentatio <sup>n</sup>	Igbara Oke	1	Nov-21	0.120
177	Agbaluku Junction S/S	33/0.415	300	Augmentatio <sup>n</sup>	Owo	1	Nov-21	0.120
178	Ibaram/Iyoni S/S	33/0.415	300	Augmentatio <sup>n</sup>	Owo	1	Nov-21	0.120
179	2nd Ugbokodo	33/0.415	500	Augmentatio <sup>n</sup>	Effurun	1	Nov-21	0.200
180	osiobe	33/0.415	500	Augmentatio <sup>n</sup>	Isoko	1	Nov-21	0.200
181	Health center	33/0.415	500	Augmentatio <sup>n</sup>	Isoko	1	Nov-21	0.200

182	Sota	33/0.415	500	Augmentatio n	Oghara	1	Nov-21	0.200
183	Udughe	33/0.415	500	Augmentatio n	Oghara	1	Nov-21	0.200
184	KESS COLLAGE	33/0.415	500	Augmentatio n	Ughelli	1	Nov-21	0.200
185	KUL-UP	33/0.415	500	Augmentatio n	Ughelli	1	Nov-21	0.200
186	Igbira Camp 2.	33/0.415	500	Augmentatio n	Auchi	1	Nov-21	0.200
187	EMBASSY	33/0.415	500	Augmentatio n	Ado Ekiti	1	Nov-21	0.200
188	Surulere	33/0.415	500	Augmentatio n	Ido - Ekiti	1	Nov-21	0.200
189	ILERE	33/0.415	500	Augmentatio n	Igbara Oke	1	Nov-21	0.200
190	IPINSA 1	33/0.415	500	Augmentatio n	Igbara Oke	1	Nov-21	0.200
191	Alogbodo	33/0.415	500	Augmentatio n	Ordo	1	Nov-21	0.200
192	ALIHAME 1	11/0.415	500	Augmentatio n	AGBOR	1	Nov-21	0.200
193	Ibori golf 11	11/0.415	500	Augmentatio n	Asaba	1	Nov-21	0.200
194	Kemuzio	11/0.415	500	Augmentatio n	Asaba	1	Nov-21	0.200
195	Eriko	11/0.415	500	Augmentatio n	Wari	1	Nov-21	0.200
196	OGBA RIVER	11/0.415	500	Augmentatio n	GRA	1	Nov-21	0.200
197	Ekinodo	11/0.415	500	Augmentatio n	Sokponba	1	Nov-21	0.200
198	IFELODUN	11/0.415	500	Augmentatio n	Ado Ekiti	1	Nov-21	0.200

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199	OMISANJANA II	11/0.415	500	Augmentatio n	Ado Ekiti	1	Nov-21	0.200
200	Ile Ileri	11/0.415	500	Augmentatio n	Ido - Ekiti	1	Nov-21	0.200
201	ODEH	11/0.415	500	New Construction	AGBOR	1	Dec-21	0.200
202	Deputy Accountant General	11/0.415	500	New Construction	Araba	1	Dec-21	0.200
203	Redeem Transformation	11/0.415	500	New Construction	Effurun	1	Dec-21	0.200
204	boundary	11/0.415	500	New Construction	Isoko	1	Dec-21	0.200
205	DLA	11/0.415	500	New Construction	Oghara	1	Dec-21	0.200
206	Market	11/0.415	500	New Construction	Sopele	1	Dec-21	0.200
207	OGBORODE	11/0.415	500	New Construction	Ughelli	1	Dec-21	0.200
208	2nd Odugun	11/0.415	500	New Construction	Warri	1	Dec-21	0.200
209	Suleman	11/0.415	500	New Construction	Auchi	1	Dec-21	0.200
210	Ewemade 1	11/0.415	500	New Construction	Efete	1	Dec-21	0.200
211	Rehabilitation of DSS			Standardisati on	NMWP areas	60	Dec-21	
212	DTR Fencing			Standardisati on	NMWP areas	1000	Dec-21	

Network: Injection Substations (33/11kV)

Project Type: Construction, Reinforcement and Standardisation of Injection Sub-station

#	Name of Substation	Location	Rating - MVA	Type (Manned/unmanned)	Type of work	N° of units	Project Completion Date (MM - YY)	Expected Impact (MW)
1	1x7.5 MVA General Hospital ISS	Aoaba	15	Manned	Augmentation of Transformer	1	Nov-21	8
2	1x7.5 MVA Uniben ISS	Ugbowo	7.5	Manned	Replacement of failed transformer	1	Nov-21	4
3	2x1.5 MVA Ewuotubu ISS	Ewuotubu	15	Manned	Replacement of failed transformer	1	Nov-21	8
4	2x7.5 MVA Agbogbake ISS	Ondo	7.5	Manned	Repair of Transformer	1	Nov-21	4

**Network: Standardisation of Existing Injection Substations (33/11kV)**

**Project Type: Replacement of Switch Gears, Control Panel and Protection Equipment**

#	Name of Substation	Description	Location	GPS Coordinates	Quantity	Project Completion Date (MM - YY)	Expected Impact
1	EKUKU-AGBOR 1 X 7.5MVA	Battery Bank Charger	Agbor	6.307352, 6.08208	1	Sep-21	
2	COMMISSIONERS QTRS 1X7.5MVA	Battery Bank Charger	Aoaba	6.695022, 6.224163	1	Sep-21	
3	GOVT. CORE 2 X 15MVA	Battery Bank Charger	Aoaba	6.702058, 6.215361	1	Sep-21	
4	ARMY BARRACK 1x15MVA	Battery Bank Charger	Effurun	5.762711, 5.570171	1	Sep-21	
5	OLOMORO 7.5MVA	Battery Bank Charger	Ioko	6.132172, 5.407748	1	Sep-21	
6	ABRAKA NIPP 7.5MVA	Battery Bank Charger	Obiaruko	6.109951, 5.787297	1	Sep-21	
7	OKPARA INLAND 1 X 7.5MVA	Battery Bank Charger	Obiaruko	5.958956, 5.638618	1	Sep-21	
8	AMUKPE 1 X 15MVA	Battery Bank Charger	Sapele	5.717188, 5.861508	1	Sep-21	
9	OGORODE 1 X 15MVA	Battery Bank Charger	Sapele	5.648637, 5.908600	1	Sep-21	
10	EKETE 1 X 7.5MVA	Battery Bank Charger	Udu	5.810313, 5.506582	1	Sep-21	
11	OVOWOR 7.5MVA	Battery Bank Charger	Ughelli	5.940932, 5.472038	1	Sep-21	

12	ALIHAME 1 X 7.5MVA	Battery Banks	Agbor	6.177515, 6.258556	1	Sep-21	
13	EKUKU-AGBOR 1 X 7.5MVA	Battery Banks	Agbor	6.307351, 6.082079	1	Sep-21	
14	CENTRAL HOSPITAL 1X7.5MVA	Battery Banks	Asaba	6.703036, 6.220985	1	Sep-21	
15	GOVT. CORE 2 X 15MVA	Battery Banks	Asaba	6.702057, 6.215361	1	Sep-21	
16	NIPP IBUSA 1X7.5MVA	Battery Banks	Koko	6.629764, 6.182978	1	Sep-21	
17	ABRAKA NIPP 7.5MVA	Battery Banks	Obiaruko	6.109951, 5.787297	1	Sep-21	
18	AMUKPE 1 X 15MVA	Battery Banks	Sapele	5.717188, 5.861508	1	Sep-21	
19	OGORODE 1 X 15MVA	Battery Banks	Sapele	5.648637, 5.908600	1	Sep-21	
20	OKOMU 7.5MVA	Battery Banks	Ughelli	6.132172, 5.407748	1	Sep-21	
21	OTOWWODO 15MVA	Battery Banks	Ughelli	6.019815, 5.480473	1	Sep-21	
22	OVOWOR 7.5MVA	Battery Banks	Ughelli	5.940932, 5.472038	1	Sep-21	
23	EDIEBA 2X15MVA	Battery Banks	Warri	5.742929, 5.535001	1	Sep-21	
24	NPA 1 X 15MVA	Battery Banks	Warri	5.724494, 5.523018	1	Sep-21	
25	WARRI MAINS 2 X 15MVA	Battery Banks	Warri	5.737952, 5.516657	1	Sep-21	
26	ORE 2X7.5 MVA ISS	Battery Banks	Ordo	4.875210, 6.760119	1	Sep-21	
27	ISE 1X7.5 MVA ISS	Battery Banks	Ado - Elifi	5.399525, 7.464140	1	Sep-21	
28	ILESHA ROAD 2X15 MVA ISS	Battery Banks	Akure	5.173095, 7.261119	1	Sep-21	
29	ILESHA ROAD 2X15 MVA ISS	Battery Bank Charger	Akure	5.173095, 7.261119	1	Sep-21	
30	ALAGBAKA 1X7.5 MVA ISS	Battery Bank Charger	Akure	5.223522, 7.233388	1	Sep-21	
31	AGRIC 1X7.5 MVA ISS	Battery Bank Charger	Akure	5.234427, 7.600839	1	Sep-21	
32	GRA 2 X 15MVA	Battery Bank Charger	GRA	5.623928, 6.322921	1	Sep-21	
33	ETETE 2 X 15MVA	Battery Bank Charger	Etié	5.624371, 6.293289	1	Sep-21	
34	EGOR 1x7.5MVA	Battery Bank Charger	Ewohobu	5.567177, 6.379826	1	Sep-21	
35	WELFARE 2X15MVA	Battery Bank Charger	Etié	5.649746, 6.315274	1	Sep-21	
36	KPOBA DAM 1X7.5MVA and 1X15MVA	Battery Banks	Ikopoba Dam	5.642965, 6.375890	1	Sep-21	

37	Basiri 2x15 MVA	33kV outdoor circuit breaker	Ado - Ekiti	5.210380, 7.635282	2	Nov-21	
38	Army Barracks 1 X 15MVA	33kV outdoor circuit breaker	Efurun	5.762711, 5.570171	1	Nov-21	
39	Ughelli 1X 15MVA	33kV outdoor circuit breaker	Ughelli	5.916552, 5.543761	1	Nov-21	
40	Koko 1X 7.5MVA	33kV outdoor circuit breaker	Oghara	5.463477, 6.005684	1	Nov-21	
41	Nekpenpen 2x15	33kV outdoor circuit breaker	Sokponb	5.638388, 6.331499	2	Nov-21	
42	Welfare 2x15 MVA Inl. s/s	33kV outdoor circuit breaker	Sokponb	5.649746, 6.315274	1	Nov-21	
43	Agbogboko 2x 7.5	33kV outdoor circuit breaker	Ondo	4.852878, 7.108348	2	Nov-21	
44	Army Barracks 1 X 15MVA	33kV indoor Control Panel	Efurun	5.762711, 5.570171	1	Nov-21	
45	Welfare 2x15 MVA Inl. s/s	33kV indoor Control Panel	Sokponb	5.649746, 6.315274	1	Nov-21	
46	Basiri 2x15 MVA	33kV indoor Control Panel	Ado - Ekiti	5.210380, 7.635282	1	Nov-21	
47	Ughelli 1X 15MVA	33kV indoor Control Panel	Ughelli	5.916552, 5.543761	1	Nov-21	
48	Koko 1X 7.5MVA	33kV indoor Control Panel	Oghara	5.463477, 6.005684	1	Nov-21	
49	Govt Core 2X 15MVA	11kV indoor Control Panel (9 panel Board)	Asabo	6.702057, 6.215361	1	Nov-21	
50	Warrl Mains 2X 15MVA	11kV indoor Control Panel (9 panel Board)	Warrl	5.737952, 5.516657	1	Nov-21	
51	Okoloba 2X 15MVA	11kV indoor Control Panel (9 panel Board)	Efurun	5.782830, 5.561734	1	Nov-21	
52	NPA 1X 15MVA	11kV indoor Control Panel (9 panel Board)	Warrl	5.724494, 5.523018	1	Nov-21	
53	Auchi 2x15 MVA 33/11 kv Inl. s/s	11kV indoor Control Panel (9 panel Board)	Auchi	6.276231, 7.077749	1	Nov-21	



54	Ebuohubu 2x15mvo 33/11kv INJ: s/s	11kV indoor Control Panel (9 panel Board)	Ebuohubu	5.580328, 6.338498	1	Nov-21
55	GRA 2x15 MVA	11kV Indoor Control Panel (9 panel Board)	GRA BU	To connect Disconnected communities to Grid	1	Nov-21
56	Etefe 2x 15	11kV indoor Control Panel (9 panel Board)	Etefe BU	To connect Disconnected communities to Grid	1	Nov-21
57	132/33kv Efurun TCN SIn	New 33KV Complete Boy Construction	Ehurun TCN	5.791678, 5.560032	1	Oct-21
58	132/33kv Ihozor TCN SIn	New 33KV Complete Boy Construction	Ihozor TCN	5.686941, 6.405898	2	Oct-21
58	33/11kv Amukpe SIn	New 33KV Complete Boy Construction	Sapele	5.717188, 5.861508	1	Oct-21
58	33KV Dedicated feeder from Ihozor to Benin Bye Pass	33KV 3 woy Outdoor RMU	Ihozor TCN	5.686941, 6.405898	19	Oct-21
59	for Embedded Power Project	11kV 3 woy Outdoor RMU		To connect Disconnected communities to Grid	10	Oct-21

**Customer Service Improvement Plan**

#	Name	Description	Quantity	Project Completion Date (MM - YY)	Expected Impact
1	Vehicles (Hilux)		17	Oct-21	Timely attending customer complaints
2	Tricycle (E-Vehicle)		300	Oct-21	Timely attending customer complaints
3	Motorcycle		125	Oct-21	Timely attending customer complaints

**IT Investments (SCADA)**

#	Name	Description	Project Completion Date (MM - YY)	Expected Impact

1	Mini SCADA	Mini SCADA will be implemented in all manned Injection Sub Station (98)	Aug-21	Remote operation & control of Breakers at ISS, close monitoring of parameters with obtaining real time data from field
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IT Investments (ERP)				
#	Name	Description	Project Completion Date (MM - YY)	Expected Impact
1	ERP, Popay, Imparva		Nov-21	Ease in commercial processes with more reliable data with minimum human intervention

IT Investments (HSE)				
#	Name	Description	Project Completion Date (MM - YY)	Expected Impact





1	Ladder Fibre		Aug-21	To create safe working environment and increase the productivity. Step for moving towards becoming Zero Accident Organization
2	PPE		Aug-21	To create safe working environment and increase the productivity. Step for moving towards becoming Zero Accident Organization
3	Motorcycle ( 120 Nos)		Aug-21	To create safe working environment and increase the productivity. Step for moving towards becoming Zero Accident Organization

IT Investments (AMI)

#	Name	Description	Project Completion Date (MM - YY)	Expected Impact
1	Commercial Mgt System( AML, AMR EMS etc)		Sep-21	Ease in commercial processes especially remoter meter reading with more reliable data with minimum human intervention. This will be helpful be for better Energy accounting & energy auditing, controlling ATC&C losses by proper utilization of meter data by analyzing it for corrective & preventing action.

Network Metering (Smart Meters)					
#	Project Description	Description	Quantity	Project Completion Date (MM - YY)	Expected Impact



1	DTR Metering	New	1500	Nov-21	Better Energy accounting & energy auditing, controlling AT&C losses by proper utilization of meter data by analyzing it for corrective & preventing action.
2	Smart meters CLVT HT Meter	New	148	Nov-21	Better Energy accounting & energy auditing, controlling AT&C losses by proper utilization of meter data by analyzing it for corrective & preventing action.

3	Smart meters for 11KV	New	150	Nov-21	Better Energy accounting & energy auditing, controlling ATC&C losses by proper utilization of meter data by analyzing it for corrective & preventing action.
4	Smart meters CT 11KV	New	150	Nov-21	Better Energy accounting & energy auditing, controlling ATC&C losses by proper utilization of meter data by analyzing it for corrective & preventing action.

**Other Service Improvement Plan**

#	Name	Description	Other	Project Completion Date (MM - YY)	Expected Impod in MW)
1	Poles		1000	Aug-21	
2	11KV Polymer Disc / Pin Insulator		2500	Aug-21	
3	33 KV Polymer Disc / Pin Insulators		1500	Aug-21	



4	Different Size ACSR & AAC Conductor		20000	Aug-21	
5	33 kV Gang Operated Isolator		50	Aug-21	
6	1 V Feeder Pillar		50	Aug-21	
7	11 kV Gang Operated Isolator		100	Aug-21	
8	33 kV Lightning Arrestor		75	Aug-21	
9	11 kV Lightning Arrestor		150	Aug-21	
10	33 kV D D Fuse		150	Aug-21	
11	11 kV D D Fuse		150	Aug-21	
12	11 kV 3 & 4 Way RMUs		5	Aug-21	
13	33 kV Outdoor Current Transformer		10	Aug-21	
14	33 kV Outdoor Potential Transformer		10	Aug-21	
15	33 kV Lightning Arrestor		50	Aug-21	
16	Transformer Oil		200	Aug-21	
17	33kV, 11 kV & 1V Cables of different Sizes		1	Aug-21	
18	33kV, 11 kV & 1V Cables terminations / joints of different Sizes		1	Aug-21	
19	CONTACT RESISTANCE MONITOR, A C OPERATED, 220 VOLTS AC, MEASURING RANGE (30 MICRO OHM TO 3 MILLI OHM), WITH RESULTS DOWNLOADABLE SOFTWARE		4	Aug-21	
20	CIRCUIT BREAKER TIMER , A C OPERATED 220 VOLTS AC, REPUTED BRAND , WITH RESULTS DOWNLOADABLE SOFTWARE		4	Aug-21	
21	DISSOLVED GASES ANALYZER MACHINE OF REPUTED BRAND WITH PRINTER FACILITY		1	Aug-21	
22	INSULATION TESTER 5 kV DC DIGITAL		31	Aug-21	
23	EARTHING RESISTANCE TESTER		31	Aug-21	
24	OIL B D V TESTER 0.80 kV DC@2.5 MM		20	Aug-21	
25	HYDRAULIC CRIMPING TOOL (50-500 MM <sup>2</sup> ), WITH DIES OF SIZES BETWEEN 50MM TO 500 MM		31	Aug-21	
26	INDUSTRIAL VACUUM CLEANER		5	Aug-21	

27	HOT AIR GUNS, 220 VOLTS AC	27	Aug-21	
28	DIGITAL CLAMP ON METER (5 -1000 AMP)	150	Aug-21	
29	PRECISION CLAMPON METER	5	Aug-21	
30	DIGITAL MULTIMETER 1.1 KV , 5 AMP	70	Aug-21	
31	CHAIN PULLEY 2 TON	27	Aug-21	
32	TOOL KIT CONTAINING COMPLETE TOOLS	70	Aug-21	
33	Hi-Pot testing kit 60 KV	10	Aug-21	
34	SF6 Gas leakage detection kit	5	Aug-21	



*Appendix 2 - Details of Planned 2022 Investments for Benin Electricity Distribution Company*

<i>Distribution Network: lines</i>				
<i>Project Type: Construction of 33kV Feeder</i>				
#	Project Description	Location	Route Length (km)	Expected Impact in MW)
1	Extension of 33kv Agbor 6 feeder . Umunede Leg	Agbor BU	8	1
2	Extension of 33kv Agbor 6 feeder . Adavo Leg	Agbor BU	6	0.8
3	Extension of 33kv Agbor 6 feeder . Uromi junction in Igbanke	Agbor BU	15	2
4	New 33KV feeder from Asobo TCN to Immigration junction	Koko BU	15	5
5	Extension of 33kv feeder for new 33/11KV 2x7.5 MVA, Okpanom-2 ISS	Asobo BU	8	
<b>Other Priority Projects</b>				
1	Extension of 33kv feeder for new 33/11KV 1x7.5 MVA, Ogarefe ISS	Oghara BU	2	
2	Extension of 33kv feeder for new 33/11KV 1x7.5 MVA, Bonsac ISS	Koko BU	1	
3	Extension of 33kv feeder for new 33/11KV 1x7.5 MVA, Potani ISS	Ughelli BU	1	
4	Extension of 33kv feeder for new 33/11KV 1x7.5 MVA, Abiserey ISS	Ioko BU	1	



5	Extension of 33kv feeder for new 33/11KV 1x7.5 MVA, Ogun ISS	Ado-Ekiti BU	2	
6	Extension of 33kv feeder for new 33/11KV 1x7.5 MVA, Ido ISS	Ido - Ekiti BU	2	
7	Extension of 33kv feeder for new 33/11KV 1x7.5 MVA, Alhame ISS, 2.5 to 7.5 MVA	Agbor BU	1	

*Distribution Network: lines*

*Project Type: Rehabilitation of 33kV Feeder*

#	Project Description	Location	Route Length (km)	Project Completion Date (MM - YY)	Expected Impact in MW
1	Rehabilitation and trace clearing of Iruwo-Agbor 33kv Line from Iruwo TS to Agbor including T-Offs	Agbor BU	30		5
2	Rehabilitation and trace clearing 33 kv Aladija feeder with T-Offs	Udu BU	45		
3	Rehabilitation and trace clearing of 33 kv Isoko/Kwale feeder with T-Offs	Isoko BU	30		
4	Rehabilitation and trace clearing of 33 kv Mosogor feeder with T-Offs	Oghara BU	55		
5	Rehabilitation and trace clearing of 33 kv Enehan feeder with T-Offs	PTI BU	35		18
6	Rehabilitation and trace clearing 33 kv Sapele feeder with T-Offs	Sapele BU	28		14
7	Rehabilitation and trace clearing 33 kv Industrial feeder with T-Offs	Sapele BU	5		4
8	Rehabilitation and trace clearing 33 kv Adje feeder with T-Offs	Sapele BU	28		3
9	Rehabilitation and trace clearing of Owo 33kv circuit with trace clearing & reconductoring	Owo BU	40	Oct-22	7
1	Rehabilitation and trace clearing of 33kv Ogun	Ado-Ekiti	15	Oct-22	2
1	Rehabilitation and trace clearing of 33kv Igbaroké	Igbaroké BU	30	Oct-22	4
1	Rehabilitation and trace clearing of 33kv Okitipupa	Ordo BU	30	Oct-22	5

1	Rehabilitation and trace clearing of 33kv Ilawe Feeder	Ado-Ekiti	5	Oct-22	3
3					
1	Rehabilitation and trace clearing of 33kv Ikere Feeder	Ado-Ekiti	15	Oct-22	3
4					
1	Rehabilitation and trace clearing of Ikare 33kv feeder in owo business unit	Owo BU	15	Oct-22	4
5					
1	Rehabilitation and trace clearing of 33kv Obaile Feeder	Akure BU	5	Oct-22	3
6					
1	Replacement of Wooden Poles	BEDC	400		
7			0		
	Other Priority Projects				
1	Rehabilitation and trace clearing of 33kv Olun	Ado-Ekiti	40	Aug-21	2
2	Rehabilitation and trace clearing of 33kv Iju	Akure BU	10	Sep-21	4
3	Rehabilitation and trace clearing of 33kv Iworoko/Ikole	Ido - Ekiti BU	30	Oct-21	2
4	Rehabilitation and trace clearing of 33kv Okitipupa	Ordo BU	30	Oct-21	5
5	Rehabilitation and trace clearing of 33kv Ilawe Feeder	Ado-Ekiti	5	Oct-21	3
6	Rehabilitation and trace clearing of 33kv Ikere Feeder	Ado-Ekiti	15	Oct-21	3
7	Rehabilitation and trace clearing of Owo 33kv circuit with trace clearing & reconductoring	Owo BU	30	Oct-21	7
8	Rehabilitation and trace clearing of Ikare 33kv feeder in owo business unit	Owo BU	15	Oct-21	4

*Distribution Network: lines*

*Project Type: Construction of 11KV Feeder*

#	Project Description	Location	Route Length (km)	Project Completion Date (MM - YY)	Expected Impact in MW
1	Proposed Extension of 11 KV James Hope dedicated feeder to old atoba/Agbor road, Agbor	Agbor BU	4	Aug-22	4
2	11KV New Feeder From new 33/11KV Immigration ISS to Ibusa road	Koko BU	3	Aug-22	3.5
3	11KV New Feeder From new 33/11KV Immigration ISS to office complex	Koko BU	2	Aug-22	1.5





4	11KV New feeder From Abiraka NIPP 7.5MVA to Benin/Abiraka Road	Oblanaku BU	4	Aug-22	7
5	11KV New feeder From Police station Road to new Abiraka/Agbar road	Oblanaku BU	3	Aug-22	4
6	11KV New feeder From Abiraka 1 x 7.5MVA to Abiraka Town	Oblanaku BU	2.5	Aug-22	4
7	11KV New feeder From Agbarho 7.5MVA to Agbarho town	Oblanaku BU	6	Aug-22	4.5
8	11KV New feeder From Eriovle to Okoribi	PTI BU	5	Aug-22	4
9	11KV New feeder From PTI road to Ugolo	PTI BU	4	Aug-22	4
10	11 kv feeder - 1 from new 33/11KV 2x7.5 MVA, Okpanam-2 ISS	Asaba BU	5	Oct-22	3
11	11 kv feeder - 2 from new 33/11KV 2x7.5 MVA, Okpanam-2 ISS	Asaba BU	5	Oct-22	3
12	11 kv feeder - 3 from new 33/11KV 2x7.5 MVA, Okpanam-2 ISS	Asaba BU	5	Oct-22	4
13	11 kv feeder - 4 from new 33/11KV 2x7.5 MVA, Okpanam-2 ISS	Asaba BU	5	Oct-22	4
14	11 kv feeder - 1 from new 33/11KV 1x7.5 MVA, Ogarefe ISS	Oghara BU	5	Oct-22	3
15	11 kv feeder - 2 from new 33/11KV 1x7.5 MVA, Ogarefe ISS	Oghara BU	5	Oct-22	3
16	11 kv feeder - 1 from new 33/11KV 1x7.5 MVA, Borsoc ISS	Kaka BU	6	Oct-22	3
17	11 kv feeder - 2 from new 33/11KV 1x7.5 MVA, Borsoc ISS	Kaka BU	6	Oct-22	3
18	11 kv feeder - 1 from new 33/11KV 1x7.5 MVA, Patani ISS	Ughelli BU	6	Oct-22	2.5
19	11 kv feeder - 2 from new 33/11KV 1x7.5 MVA, Patani ISS	Ughelli BU	6	Oct-22	2.5
20	11 kv feeder - 1 from new 33/11KV 1x7.5 MVA, Aliseray ISS	Isoko BU	4	Oct-22	2.5
21	11 kv feeder - 2 from new 33/11KV 1x7.5 MVA, Aliseray ISS	Isoko BU	4	Oct-22	2.5
22	11 kv feeder - 1 from new 33/11KV 1x7.5 MVA, Olun ISS	Ado-Ekhi BU	5	Oct-22	3
23	11 kv feeder - 2 from new 33/11KV 1x7.5 MVA, Olun ISS	Ado-Ekhi BU	5	Oct-22	3
24	11 kv feeder - 1 from new 33/11KV 1x7.5 MVA, Ido ISS	Ido - Ekhi BU	5	Oct-22	4
25	11 kv feeder - 2 from new 33/11KV 1x7.5 MVA, Ido ISS	Ido - Ekhi BU	5	Oct-22	4
26	11 kv feeder - 1 from new 33/11KV 1x7.5 MVA, Althame ISS, 2.5 to 7.5 MVA	Agbar BU	6	Oct-22	3

27	11 kv feeder -2 from new 33/11KV 1x7.5 MVA, Alifhame ISS, 2.5 to 7.5 MVA	Agbor BU	6	Oct-22	3
	Other Priority Projects				
1	11 kv additional feeder -1 from 33/11KV 20 MVA, Power Transformer, Country Home ISS	Edo State	4	Sep-22	4.5
2	11 kv additional feeder -2 from 33/11KV 20 MVA, Power Transformer, Country Home ISS	Edo State	4	Sep-22	4.5
3	11 kv additional feeder -1 from 33/11KV 20 MVA, Power Transformer, Nekpenekpen ISS	Sokponbo BU	3	Sep-22	4.5
4	11 kv additional feeder -2 from 33/11KV 20 MVA, Power Transformer, Nekpenekpen ISS	Sokponbo BU	3	Sep-22	4.5
5	11 kv additional feeder -1 from 33/11KV 20 MVA, Power Transformer, Eiete ISS	Eiete BU	5	Sep-22	4
6	11 kv additional feeder -2 from 33/11KV 20 MVA, Power Transformer, Eiete ISS	Eiete BU	5	Sep-22	4
7	11 kv additional feeder -1 from 33/11KV 20 MVA, Power Transformer, GRA ISS	GRA BU	4	Sep-22	4
8	11 kv additional feeder -2 from 33/11KV 20 MVA, Power Transformer, GRA ISS	GRA BU	4	Sep-22	4
9	11 kv additional feeder -1 from 33/11KV 15 MVA, Power Transformer, Army Barrack ISS	Efurun BU	5	Sep-22	3
10	11 kv additional feeder -1 from 33/11KV 15 MVA, Power Transformer, NPA ISS	Wari BU	5	Sep-22	3
11	11 kv additional feeder -1 from 33/11KV 15 MVA, Power Transformer, Eiete ISS	Udu BU	5	Sep-22	3
12	11 kv additional feeder -1 from 33/11KV 15 MVA, Power Transformer, Orowodo ISS	Ughelli BU	6	Sep-22	3
13	11 kv additional feeder -1 from 33/11KV 15 MVA, Power Transformer, Iyekogba ISS	GRA BU	3	Sep-22	2.5
14	11 kv additional feeder -1 from 33/11KV 15 MVA, Power Transformer, FHE ISS	Ikpoba Hill BU	3	Sep-22	3
15	11 kv additional feeder -1 from 33/11KV 15 MVA, Power Transformer, Amukpa ISS	Sapele BU	5	Sep-22	3



16	11 kv additional feeder -1 from 33/11KV 15 MVA, Power Transformer, Ogorode NIPP ISS	Sapele BU	5	Sep-22	2.5
17	11 kv additional feeder -1 from 33/11KV 7.5 MVA, Power Transformer, Enehen ISS	PTI BU	5	Sep-22	2.5
18	11 kv additional feeder -1 from 33/11KV 7.5 MVA, Power Transformer, Abiraka NIPP ISS	Obiaruku BU	6	Sep-22	2.5
19	11 kv additional feeder -1 from 33/11KV 7.5 MVA, Power Transformer, Abbi ISS	Obiaruku BU	5	Sep-22	2.5
20	11 kv additional feeder -1 from 33/11KV 7.5 MVA, Power Transformer, Egor ISS	Eholubu BU	5	Sep-22	3

**Distribution Network: lines**

**Project Type: Rehabilitation of 11KV Feeder**

#	Project Description	Location	Route Length (km)	Project Completion Date (MM - YY)	Expected Impact in MW
1	11kv Owa feeder	Agbor BU	2	May-22	6
2	11kv Obiaruku feeder	Obiaruku BU	8	May-22	12
3	11kv Agbarho feeder	Obiaruku BU	6	May-22	12
4	11kv Orerokpe feeder	Obiaruku BU	6	May-22	12
5	11kv Oiete feeder	Obiaruku BU	3	May-22	1.2
6	11kv Karobe feeder	Obiaruku BU	1	May-22	1.2
7	11kv PTI feeder	PTI BU	30	May-22	5
8	11kv Our lady feeder	PTI BU	15	May-22	6.5
9	11kv Sapele Warri feeder	Sapele BU	15	May-22	5
10	11kv Ogorode feeder	Sapele BU	10	May-22	6
11	11kv Amukpa Town feeder	Sapele BU	25	May-22	6
12	11kv Feeder -1	Sakponba BU	7	May-22	4
13	11kv Feeder -2	Sakponba BU	12	May-22	4.5
14	11kv Feeder -3	Sakponba BU	15	May-22	5
15	11kv Feeder -4	Sakponba BU	10	May-22	4

16	11kv GRA Feeder	GRA BU	15	May-22	4	
17	11kv Dunmez Feeder	GRA BU	20	May-22	3.5	
18	11kv Contry Home Feeder	Etele BU	20	May-22	5	
19	11kv Upper Sapele Feeder	Etele BU	20	May-22	5	
20	11kv AKURE - COMMERCIAL	AKURE	7	May-22	4	
21	11kv ALAGBAKA	AKURE	12	May-22	3	
22	11kv COLLEGE ROAD	ONDO	15	May-22	3.5	
23	11kv EXPRESS (AKURE)	AKURE	12	May-22	3	
24	11kv ILESHA ROAD	AKURE	15	May-22	4	
25	11kv ISINKAN	AKURE	8	May-22	2	
26	11kv MARKET ROAD (ONDO)	ONDO	4	May-22	4.5	
27	11kv PALACE	ONDO	12	May-22	3	
28	11kv ROYAL -COMMERCIAL	AKURE	6.7	May-22	3	
29	11kv TOWNSHIP - OKITIPUPA	ONDO	5	May-22	1	
30	11kv YABA- COMMERCIAL	ONDO	2.5	May-22	2	
	<b>Other Priority Projects</b>					
1	OKESHA	Ado-Ekiti BU	4.5	Oct-21	3.5	
2	IJAPO	Akure BU	3	Oct-21	4	
3	IJOKA	Igbare-oke	3.5	Oct-21	4	
4	IGBATORO	Akure BU	5	Oct-21	4	
5	ISUADA	Owo BU	6	Oct-21	4	

*Distribution Network: lines*

*Project Type: Construction and Rehabilitation of 0-400KV Feeder*

#	Project Description	Location	GPS Coordinates	Route Length (km)	Project Completion Date (MM - YY)	Expected Impact in MW
1	Asaba City	Asaba BU (Delta State)	To be provided later	150	Jul-22	



2	Akure City	Akure BU (Ondo State)	To be provided later	100	Jul-22	
3	BENIN City	GRA BU (Edo State)	To be provided later	150	Jul-22	
4	Agbor BU (Delta State)	Agbor BU (Delta State)	To be provided later	100	Aug-22	
5	Asaba BU (Delta State)	Asaba BU (Delta State)	To be provided later	100	Aug-22	
6	Ehurun BU (Delta State)	Ehurun BU (Delta State)	To be provided later	100	Aug-22	
7	Isoko BU (Delta State)	Isoko BU (Delta State)	To be provided later	100	Aug-22	
8	Koko BU (Delta State)	Koko BU (Delta State)	To be provided later	100	Aug-22	
9	Obioroku BU (Delta State)	Obioroku BU (Delta State)	To be provided later	100	Aug-22	
10	Oghara BU (Delta State)	Oghara BU (Delta State)	To be provided later	100	Aug-22	
11	PTI BU (Delta State)	PTI BU (Delta State)	To be provided later	100	Aug-22	
12	Sapele BU (Delta State)	Sapele BU (Delta State)	To be provided later	100	Aug-22	
13	Udu BU (Delta State)	Udu BU (Delta State)	To be provided later	100	Aug-22	
14	Ughelli BU (Delta State)	Ughelli BU (Delta State)	To be provided later	100	Aug-22	
15	Warri BU (Delta State)	Warri BU (Delta State)	To be provided later	100	Aug-22	
16	Auchi BU (Edo State)	Auchi BU (Edo State)	To be provided later	100	Aug-22	
17	Etiye BU (Edo State)	Etiye BU (Edo State)	To be provided later	100	Aug-22	
18	Ewuosiubu BU (Edo State)	Ewuosiubu BU (Edo State)	To be provided later	100	Aug-22	

19	GRA BU (Edo State)	GRA BU (Edo State)	To be provided later	100	Aug-22	
20	Ikpoba Hill BU (Edo State)	Ikpoba Hill BU (Edo State)	To be provided later	100	Aug-22	
21	Okada BU (Edo State)	Okada BU (Edo State)	To be provided later	100	Aug-22	
22	Sokponba BU (Edo State)	Sokponba BU (Edo State)	To be provided later	100	Aug-22	
23	Ugbowo BU (Edo State)	Ugbowo BU (Edo State)	To be provided later	100	Aug-22	
24	Uromi BU (Edo State)	Uromi BU (Edo State)	To be provided later	100	Aug-22	
25	Ado Ekiti BU (Ekiti State)	Ado Ekiti BU (Ekiti State)	To be provided later	100	Aug-22	
26	Ido - Ekiti BU (Ekiti State)	Ido - Ekiti BU (Ekiti State)	To be provided later	100	Aug-22	
27	Akure BU (Ondo State)	Akure BU (Ondo State)	To be provided later	100	Aug-22	
28	Igbara Oke BU (Ondo State)	Igbara Oke BU (Ondo State)	To be provided later	100	Aug-22	
29	Ondo BU (Ondo State)	Ondo BU (Ondo State)	To be provided later	100	Aug-22	
30	Owo BU (Ondo State)	Owo BU (Ondo State)	To be provided later	100	Aug-22	

**Distribution Network: stations**

**Project Type: New Construction, Reinforcement and Standardisation of Distribution Sub-station**

#	Name of Substation	Transformation Voltage (kV)	Rating - kVA	Location	Quantity	Project Completion Date (MM - YY)	Expected Impact in MW
1	Palace, Ifaki	33/0.415	300	Ido - Ekiti	1	Apr-22	0.120
2	Ilemu	33/0.415	300	Ido - Ekiti	1	Apr-22	0.120



3	ST PETERS UJARE	33/0.415	300	Igbura Oke	1	Apr-22	0.120
4	Aiyeyefu S/S	33/0.415	300	Owo	1	Apr-22	0.120
5	Uheler1	33/0.415	500	Ebuotubu	1	Apr-22	0.200
6	Iguadolor	33/0.415	500	Ebuotubu	1	Apr-22	0.200
7	ukpakigbo	33/0.415	500	Uromi	1	Apr-22	0.200
8	Mosque	33/0.415	500	Ido - Ekiti	1	Apr-22	0.200
9	Garage Itaki	33/0.415	500	Ido - Ekiti	1	Apr-22	0.200
10	IWARO(IKORO)	33/0.415	500	Ido - Ekiti	1	Apr-22	0.200
11	Oloruntele	33/0.415	500	Ondo	1	Apr-22	0.200
12	Akinnawonu	33/0.415	500	Ondo	1	Apr-22	0.200
13	Greater Tomorrow Rd.	33/0.415	500	Owo	1	Apr-22	0.200
14	Bolorunduro Emure	33/0.415	500	Owo	1	Apr-22	0.200
15	STADIUM	11/0.415	500	AGBOR	1	Apr-22	0.200
16	MTD	11/0.415	500	AGBOR	1	Apr-22	0.200
17	OBOH I	11/0.415	500	AGBOR	1	Apr-22	0.200
18	OBOH II	11/0.415	500	AGBOR	1	Apr-22	0.200
19	DOPA I ESTATE	11/0.415	500	AGBOR	1	Apr-22	0.200
20	EZENNI	11/0.415	500	AGBOR	1	Apr-22	0.200
21	DEEPER LIFE	11/0.415	500	AGBOR	1	Apr-22	0.200
22	HILTOP	11/0.415	500	AGBOR	1	Apr-22	0.200
23	CONVENT/AJUEBOR	11/0.415	500	AGBOR	1	Apr-22	0.200
24	PAPA OKOWA	11/0.415	500	AGBOR	1	Apr-22	0.200
25	OSHEGBU	11/0.415	500	AGBOR	1	Apr-22	0.200
26	STAINLESS	11/0.415	500	AGBOR	1	Apr-22	0.200
27	LOWSBOW	11/0.415	500	AGBOR	1	Apr-22	0.200
28	PROF. EBIE	11/0.415	500	AGBOR	1	Apr-22	0.200
29	AJUEBOR/IWEZUE	11/0.415	500	AGBOR	1	Apr-22	0.200
30	ABAYO PARK	11/0.415	500	AGBOR	1	Apr-22	0.200
31	PETER ROSA	11/0.415	500	AGBOR	1	Apr-22	0.200
32	HOSPITAL	11/0.415	500	AGBOR	1	Apr-22	0.200

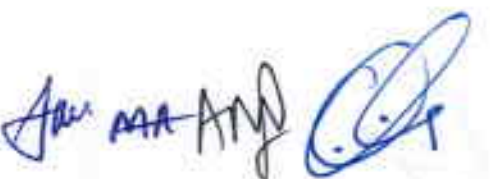
33	ONWUBOYA	11/0.415	500	AGBOR	1	Apr-22	0.200
34	HILL STREET	11/0.415	500	AGBOR	1	Apr-22	0.200
35	IREGWA	11/0.415	500	AGBOR	1	Apr-22	0.200
36	EBUH	11/0.415	500	AGBOR	1	Apr-22	0.200
37	Ibori golf 1	11/0.415	500	Asaba	1	Apr-22	0.200
38	Nsude	11/0.415	500	Asaba	1	Apr-22	0.200
39	Traditional Ruler II	11/0.415	500	Asaba	1	Apr-22	0.200
40	Traditional Ruler Relief	11/0.415	500	Asaba	1	Apr-22	0.200
41	Redeemer	11/0.415	500	Asaba	1	Apr-22	0.200
42	Okpanam Rd by Legislative Qtrs	11/0.415	500	Asaba	1	Apr-22	0.200
43	Aretha II	11/0.415	500	Asaba	1	Apr-22	0.200
44	DIA 2	11/0.415	500	Asaba	1	Apr-22	0.200
45	Nwawolo 1	11/0.415	500	Asaba	1	Apr-22	0.200
46	Waterboard	11/0.415	500	Asaba	1	Apr-22	0.200
47	Ajabor	11/0.415	500	Asaba	1	Apr-22	0.200
48	Sunny St.	11/0.415	500	Asaba	1	Apr-22	0.200
49	MIDWIFERY 3	11/0.415	500	Asaba	1	Apr-22	0.200
50	Marble Hill School	11/0.415	500	Asaba	1	Apr-22	0.200
51	Unini	11/0.415	500	Asaba	1	Apr-22	0.200
52	Diateke	11/0.415	500	Asaba	1	Apr-22	0.200
53	Midwifery 2	11/0.415	500	Asaba	1	Apr-22	0.200
54	Westin Hall	11/0.415	500	Isoko	1	Apr-22	0.200
55	Hospital 3	11/0.415	500	Isoko	1	Apr-22	0.200
56	Iyerin	11/0.415	500	Isoko	1	Apr-22	0.200
57	Iyanga	11/0.415	500	Isoko	1	Apr-22	0.200
58	ICS	11/0.415	500	Isoko	1	Apr-22	0.200
59	Old Emede road	11/0.415	500	Isoko	1	Apr-22	0.200
60	Unity School	11/0.415	500	Oblanuku	1	Apr-22	0.200
61	Old Peace Child	11/0.415	500	Oblanuku	1	Apr-22	0.200
62	New Peace Child	11/0.415	500	Oblanuku	1	Apr-22	0.200





63	Iwer City	11/0.415	500	Obiaruku	1	Apr-22	0.200
64	Magege House	11/0.415	500	Obiaruku	1	Apr-22	0.200
65	FSP	11/0.415	500	Obiaruku	1	Apr-22	0.200
66	Ogwezi	11/0.415	500	Obiaruku	1	Apr-22	0.200
67	Amai Road	11/0.415	500	Obiaruku	1	Apr-22	0.200
68	WaterBoard	11/0.415	500	Obiaruku	1	Apr-22	0.200
69	Factory Junction	11/0.415	500	Obiaruku	1	Apr-22	0.200
70	Omara	11/0.415	500	Obiaruku	1	Apr-22	0.200
71	Mosque	11/0.415	500	Obiaruku	1	Apr-22	0.200
72	Council	11/0.415	500	Obiaruku	1	Apr-22	0.200
73	Okukwujere	11/0.415	500	Obiaruku	1	Apr-22	0.200
74	Kpoteighe	11/0.415	500	Oghara	1	Apr-22	0.200
75	Ibasi Roundabout	11/0.415	500	Oghara	1	Apr-22	0.200
76	Opp Gen Hospital	11/0.415	500	Oghara	1	Apr-22	0.200
77	Iwalah	11/0.415	500	Oghara	1	Apr-22	0.200
78	Staff Quarters	11/0.415	500	Oghara	1	Apr-22	0.200
79	Glo Mask	11/0.415	500	Oghara	1	Apr-22	0.200
80	Ihadar	11/0.415	500	PTI	1	Apr-22	0.200
81	James owie	11/0.415	500	PTI	1	Apr-22	0.200
82	silver line	11/0.415	500	PTI	1	Apr-22	0.200
83	Dialor	11/0.415	500	Asaba	1	Apr-22	0.200
84	Ibasa 1	11/0.415	500	Asaba	1	Apr-22	0.200
85	POC	11/0.415	500	Sapele	1	Apr-22	0.200
86	Ojolu 1	11/0.415	500	Sapele	1	Apr-22	0.200
87	Okofe Eboh	11/0.415	500	Sapele	1	Apr-22	0.200
88	Aboki	11/0.415	500	Sapele	1	Apr-22	0.200
89	Akwara	11/0.415	500	Sapele	1	Apr-22	0.200
90	AGBADI	11/0.415	500	Ughelli	1	Apr-22	0.200
91	UPPER AGBARHO 4	11/0.415	500	Ughelli	1	Apr-22	0.200
92	NUMA 1	11/0.415	500	Ughelli	1	Apr-22	0.200

93	OTOR IWAREKO	11/0.415	500	Ughelli	1	May-22	0.200
94	EBO2	11/0.415	500	GRA	1	May-22	0.200
95	ARUOGBA	11/0.415	500	GRA	1	May-22	0.200
96	EVBUODIA 1	11/0.415	500	GRA	1	May-22	0.200
97	DELEKOKOYE	11/0.415	500	GRA	1	May-22	0.200
98	OKHOKROMI	11/0.415	500	GRA	1	May-22	0.200
99	ULEMON	11/0.415	500	GRA	1	May-22	0.200
100	EVBUOWE VILLAGE	11/0.415	500	GRA	1	May-22	0.200
101	EFIONAYI VILLAGE	11/0.415	500	GRA	1	May-22	0.200
102	NDDC Ovbiojie	11/0.415	500	Okada	1	May-22	0.200
103	Estate 2	11/0.415	500	Okada	1	May-22	0.200
104	poultry rood	11/0.415	500	Okada	1	May-22	0.200
105	Also Rock 1	11/0.415	500	Okada	1	May-22	0.200
106	mobile	11/0.415	500	Okada	1	May-22	0.200
107	NDDC UBTH Igue Iyo	11/0.415	500	Okada	1	May-22	0.200
108	mores	11/0.415	500	Okada	1	May-22	0.200
109	Inneh	11/0.415	500	Okada	1	May-22	0.200
110	Court Rd	11/0.415	500	Okada	1	May-22	0.200
111	Iguomon	11/0.415	500	Okada	1	May-22	0.200
112	School gate	11/0.415	500	Okada	1	May-22	0.200
113	Omofomwan	11/0.415	500	Sokponba	1	May-22	0.200
114	Asuen	11/0.415	500	Sokponba	1	May-22	0.200
115	Igbinke	11/0.415	500	Sokponba	1	May-22	0.200
116	Obedolor 11	11/0.415	500	Sokponba	1	May-22	0.200
117	Asoro	11/0.415	500	Sokponba	1	May-22	0.200
118	Akugbe 1	11/0.415	500	Sokponba	1	May-22	0.200
119	Avbiama 1	11/0.415	500	Sokponba	1	May-22	0.200
120	EDPA	11/0.415	500	Ugbowo	1	May-22	0.200
121	Asamota	11/0.415	500	Ugbowo	1	May-22	0.200
122	Mount Carmel	11/0.415	500	Urcmi	1	May-22	0.200





123	maternity	11/0.415	500	Uromi	1	May-22	0.200
124	Ehiookholo 1	11/0.415	500	Uromi	1	May-22	0.200
125	Ehiookholo 2	11/0.415	500	Uromi	1	May-22	0.200
126	Ehiookholo 3	11/0.415	500	Uromi	1	May-22	0.200
127	Ahuo 2	11/0.415	500	Uromi	1	May-22	0.200
128	Ehionle	11/0.415	500	Uromi	1	May-22	0.200
129	Borehole 2	11/0.415	500	Uromi	1	May-22	0.200
130	Ukperu Extension	11/0.415	500	Uromi	1	May-22	0.200
131	Uselu	11/0.415	500	Uromi	1	May-22	0.200
132	Express	11/0.415	500	Uromi	1	May-22	0.200
133	ogun	11/0.415	500	Uromi	1	May-22	0.200
134	Onewa Junction	11/0.415	500	Uromi	1	May-22	0.200
135	Okpere III	11/0.415	500	Uromi	1	May-22	0.200
136	Awo Village	11/0.415	500	Uromi	1	May-22	0.200
137	Atani	11/0.415	500	Uromi	1	May-22	0.200
138	uwonhumi	11/0.415	500	Uromi	1	May-22	0.200
139	OMISANJANA III	11/0.415	500	Ado Ekiti	1	May-22	0.200
140	132KV ROAD	11/0.415	500	Ado Ekiti	1	May-22	0.200
141	ABA IGBIRA	11/0.415	500	Ado Ekiti	1	May-22	0.200
142	IKINGBINSIN	11/0.415	500	Ado Ekiti	1	May-22	0.200
143	FABIAN	11/0.415	500	Ado Ekiti	1	May-22	0.200
144	ALABI	11/0.415	500	Ado Ekiti	1	May-22	0.200
145	POLY ROAD II	11/0.415	500	Ado Ekiti	1	May-22	0.200
146	ITA EKI	11/0.415	500	Ado Ekiti	1	May-22	0.200
147	Balemo	11/0.415	500	Ido - Ekiti	1	May-22	0.200
148	Okorunda 2	11/0.415	500	Ido - Ekiti	1	May-22	0.200
149	Okotowuro	11/0.415	500	Ido - Ekiti	1	May-22	0.200
150	Marner christ	11/0.415	500	Ido - Ekiti	1	May-22	0.200
151	Idofin	11/0.415	500	Ido - Ekiti	1	May-22	0.200
152	Irona	11/0.415	500	Ido - Ekiti	1	May-22	0.200

153	IRESE 2	11/0.415	500	Igbara Oke	1	May-22	0.200
154	AJIKORUNMO	11/0.415	500	Igbara Oke	1	May-22	0.200
155	OLAWONVIN	11/0.415	500	Igbara Oke	1	May-22	0.200
156	AJILE 4 OFIU	11/0.415	500	Igbara Oke	1	May-22	0.200
157	YANGE 2	11/0.415	500	Igbara Oke	1	May-22	0.200
158	SEEBI	11/0.415	500	Igbara Oke	1	May-22	0.200
159	Ojojo	11/0.415	500	Ondo	1	May-22	0.200
160	Jalaco	11/0.415	500	Ondo	1	May-22	0.200
161	Olurunghurunmi	11/0.415	500	Ondo	1	May-22	0.200
162	Oke-aijo	11/0.415	500	Ondo	1	May-22	0.200
163	Odohua	11/0.415	500	Ondo	1	May-22	0.200
164	Loto	11/0.415	500	Ondo	1	May-22	0.200
165	Onireke S/S	11/0.415	500	Owo	1	May-22	0.200
166	Nitel S/S	11/0.415	500	Owo	1	May-22	0.200
167	Mobil S/S	11/0.415	500	Owo	1	May-22	0.200
168	Yinka Momoh S/S	11/0.415	500	Owo	1	May-22	0.200
169	Amadasun2	11/0.415	500	Ebuotubu	1	May-22	0.200
170	Ojo1	11/0.415	500	Ebuotubu	1	May-22	0.200
171	Olague	11/0.415	500	Ebuotubu	1	May-22	0.200
172	Egor Palace	11/0.415	500	Ebuotubu	1	May-22	0.200
173	Owo1	11/0.415	500	Ebuotubu	1	May-22	0.200
174	EHI	11/0.415	500	Ebuotubu	1	May-22	0.200
175	Eweka1	11/0.415	500	Ebuotubu	1	May-22	0.200
176	Owina3	11/0.415	500	Ebuotubu	1	May-22	0.200
177	Ehaekpen2,	11/0.415	500	Ebuotubu	1	May-22	0.200
178	Ebuotubu 2	11/0.415	500	Ebuotubu	1	May-22	0.200
179	Eweka shopping complex	11/0.415	500	Ebuotubu	1	May-22	0.200
180	Police Dog Relief	11/0.415	500	Ebuotubu	1	May-22	0.200
181	Sabatih	11/0.415	500	Ebuotubu	1	May-22	0.200
182	Ikpantwosa	11/0.415	500	Ebuotubu	1	May-22	0.200

AAA  




183	General Hospital Road	11/0.415	500	Uromi	1	May-22	0.200
184	Pan BEDC	33/0.415	Different ratings	BEDC	10		
185	Pan BEDC	11/0.415	Different ratings	BEDC	10		
186	Rehabilitation of DSS			NMMP areas	100		
187	DTR Fencing			NMMP areas	1000		
	Other Priority Projects						
1	AYEGUNLE	33/0.415	300	Ido - Ekiti	1	Dec-21	0.120
2	AMEKU	33/0.415	500	Ido - Ekiti	1	Dec-21	0.200
3	ARAROMI	33/0.415	200	Ido - Ekiti	1	Dec-21	0.080
4	PALACE	33/0.415	100	Ido - Ekiti	1	Dec-21	0.040
5	IMESI ROAD	33/0.415	200	Ido - Ekiti	1	Dec-21	0.080
6	MOSQUE	33/0.415	500	Ido - Ekiti	1	Dec-21	0.200
7	HEALTH CENTER	33/0.415	300	Ido - Ekiti	1	Dec-21	0.120
8	IMESI	33/0.415	200	Ido - Ekiti	1	Dec-21	0.080
9	EGBE ROAD	33/0.415	300	Ido - Ekiti	1	Dec-21	0.120
10	IRO FEDERAL	33/0.415	300	Ido - Ekiti	1	Dec-21	0.120
11	Palace Isinbode	33/0.415	200	Ido - Ekiti	1	Dec-21	0.080
12	AYO DARAMOLA	33/0.415	300	Ido - Ekiti	1	Dec-21	0.120
13	GARAGE IJAN	33/0.415	200	Ido - Ekiti	1	Dec-21	0.080
14	MTN IJAN	33/0.415	50	Ido - Ekiti	1	Dec-21	0.020
15	SURU IJAN	33/0.415	300	Ido - Ekiti	1	Dec-21	0.120
16	ILUPEJU IJAN	33/0.415	500	Ido - Ekiti	1	Dec-21	0.200
17	GARAGE ILUOMOBA	33/0.415	200	Ido - Ekiti	1	Dec-21	0.080
18	IGEDORA/ASAJU	33/0.415	300	Ido - Ekiti	1	Dec-21	0.120
19	AISEGBA RD. ILUOMOBA	33/0.415	100	Ido - Ekiti	1	Dec-21	0.040
20	LOCAL GOVT	33/0.415	300	Ido - Ekiti	1	Dec-21	0.120
21	ABUJA S/S 300KYA 33/0.415KV	33/0.415	300	Ido - Ekiti	1	Dec-21	0.120
22	ARAROMI T S/S	33/0.415	200	Ido - Ekiti	1	Dec-21	0.080

23	ARAROMI 2 S/S	33/0.415	300	Ido - Ekiti	1	Dec-21	0.120
24	G R A S/S ARAROMI UGESI OMUO	33/0.415	300	Ido - Ekiti	1	Dec-21	0.120
25	HALLELUYAH OMUO	33/0.415	300	Ido - Ekiti	1	Dec-21	0.120
26	UERO 1 S/S	33/0.415	300	Ido - Ekiti	1	Dec-21	0.120
27	UERO 2 S/S	33/0.415	300	Ido - Ekiti	1	Dec-21	0.120
28	IKUN/ARAROMI	33/0.415	200	Ido - Ekiti	1	Dec-21	0.080
29	ILASA PALACE	33/0.415	500	Ido - Ekiti	1	Dec-21	0.200
30	ILASA ST JOHN	33/0.415	300	Ido - Ekiti	1	Dec-21	0.120
31	ILUDOFIN	33/0.415	300	Ido - Ekiti	1	Dec-21	0.120
32	IKORO ARAROMI	33/0.415	500	Ido - Ekiti	1	Dec-21	0.200
33	IWORO	33/0.415	500	Ido - Ekiti	1	Dec-21	0.200
34	KOTA JUNCT 5	33/0.415	500	Ido - Ekiti	1	Dec-21	0.200
35	EDA	33/0.415	300	Ido - Ekiti	1	Dec-21	0.120
36	MTN OMUO	33/0.415	100	Ido - Ekiti	1	Dec-21	0.040
37	OMUO OKE	33/0.415	200	Ido - Ekiti	1	Dec-21	0.080
38	PALACE OMUO	33/0.415	200	Ido - Ekiti	1	Dec-21	0.080
39	WEMA BANK	33/0.415	300	Ido - Ekiti	1	Dec-21	0.120

**Network: Injection Substations (33/11kV)**

**Project Type: Construction, Reinforcement and Standardisation of Injection Substation**

#	Name of Substation	Location	Rating - MVA	N° of units	Project Completion Date (MM - YY)	Expected Impact (MW)
1	33/11KV 2x7.5 MVA, Okpanam-2 ISS	Asaba BU	30	1	Oct-22	
2	33/11KV 1x7.5 MVA, Ogarefe ISS	Oghara BU	7.5	1	Oct-22	
3	33/11KV 1x7.5 MVA, Bonsoc ISS	Koko BU	7.5	1	Oct-22	
4	33/11KV 1x7.5 MVA, Potani ISS	Ughelli BU	7.5	1	Oct-22	
5	33/11KV 1x7.5 MVA, Afiserey ISS	Ioko BU	7.5	1	Oct-22	
6	33/11KV 1x7.5 MVA, Ohun ISS	Ado-Ekiti BU	7.5	1	Oct-22	



7	33/11KV 1x7.5 MVA, Alhame ISS, 2.5 to 7.5 MVA	Agbor BU	7.5	1	Oct-22	
	Other Priority Projects					
1	33/11KV 20 MVA, Power Transformer, Country Home ISS	Edo State	40	2	Aug-22	8
2	33/11KV 20 MVA, Power Transformer, Nekpenkpen ISS	Sakpamba BU	40	2	Aug-22	8
3	33/11KV 20 MVA, Power Transformer, Ete ISS	Ete BU	40	2	Aug-22	8
4	33/11KV 20 MVA, Power Transformer, GRA ISS	GRA BU	40	2	Aug-22	8
5	33/11KV 20 MVA, Power Transformer, Ilesha Road ISS	Akure BU	40	2	Aug-22	8
11	33/11KV 15 MVA, Power Transformer, Basiri ISS	Ado-Ekiti BU	40	2	Aug-22	
6	33/11KV 15 MVA, Power Transformer, Army Barrack ISS	Efurun BU	15	1	Aug-22	
7	33/11KV 15 MVA, Power Transformer, NPA ISS	Warri BU	15	1	Aug-22	
8	33/11KV 15 MVA, Power Transformer, Ekele ISS	Udu BU	15	1	Aug-22	
9	33/11KV 15 MVA, Power Transformer, Olowodo ISS	Ughelli BU	15	1	Aug-22	
10	33/11KV 15 MVA, Power Transformer, Iyekogbo ISS	GRA BU	15	1	Aug-22	
11	33/11KV 15 MVA, Power Transformer, Amukpe ISS	Sapele BU	7.5	1	Aug-22	
12	33/11KV 15 MVA, Power Transformer, Ogorode NIPP ISS	Sapele BU	7.5	1	Aug-22	
13	33/11KV 7.5 MVA, Power Transformer, Abirika NIPP ISS	Obiaruku BU	7.5	1	Aug-22	
14	33/11KV 7.5 MVA, Power Transformer, Abbi ISS	Obiaruku BU	7.5	1	Aug-22	


15	33/11KV 7.5 MVA, Power Transformer, Egor ISS	Ehohubu BU	7.5	1	Aug-22	
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**Network: Standardisation of Existing Injection Substations (33/11KV)**

**Project Type: Replacement of Switch Gears, Control Panel and Protection Equipment**

#	Name of Substation	Description	Location	Quantity	Project Completion Date (MM - YY)	Expected Impact
1	EKUKU-AGBOR 1 X 7.5MVA	Battery Bank Charger	Agbor	10	Sep-22	
2	ALHAME 1 X 7.5MVA	Battery Banks	Agbor	10	Sep-22	
3	Different ISS in BEDC	33KV outdoor circuit breaker	BEDC	25	Sep-22	
4	132/33kv Asaba TCN Sin	New 33KV Complete Bay Construction	Asaba TCN	2	Sep-22	
5	33/11kv Govt Core ISS (Asaba BU)	New 33KV Complete Bay Construction	Asaba BU	1	Sep-22	
6	33/11kv Okpanam ISS (Asaba BU)	New 33KV Complete Bay Construction	Asaba BU	1	Sep-22	
7	33/11kv Eiete ISS (Eiete BU)	New 33KV Complete Bay Construction	Eiete BU	1	Sep-22	
8	33/11kv GRA ISS (GRA BU)	New 33KV Complete Bay Construction	GRA BU	1	Sep-22	
9	Different Locations in BEDC	33 KV, 3 Way out door RMU	BEDC	5	Sep-22	
10	Different Locations in BEDC	11 KV, 3 Way out door RMU	BEDC	10	Sep-22	
11	33KV Orowodo Patroni feeder	33KV Auto recloser & sectionalizers	Delta State	1	Sep-22	
12	33KV Isoko qwole feeder	33KV Auto recloser & sectionalizers	Delta State	1	Sep-22	
13	33KV Alodja feeder	33KV Auto recloser & sectionalizers	Delta State	1	Sep-22	
14	33KV Okitipupa	33KV Auto recloser & sectionalizers	Ondo State	1	Sep-22	

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15	33KV Ojuru	33KV Auto recloser & sectionalizers	Edo State	1	Sep-22	
16	33KV Eworoko	33KV Auto recloser & sectionalizers	Edo State	1	Sep-22	
17	33KV Ojuku	33KV Auto recloser & sectionalizers	Edo State	1	Sep-22	
18	11KV AIRPORT (COMMERCIAL)	11KV Auto recloser & sectionalizers	GRA	1	Sep-22	
19	11KV AKURE - COMMERCIAL	11KV Auto recloser & sectionalizers	AKURE	1	Sep-22	
20	11 KV AMULI -COMMERCIAL	11KV Auto recloser & sectionalizers	IKPOBA-HILL	1	Sep-22	
21	11 KV ANDREW-WILSON	11KV Auto recloser & sectionalizers	ETETE	1	Sep-22	
22	11 KV COUNTRY HOME	11KV Auto recloser & sectionalizers	ETETE	1	Sep-22	
23	11 KV FEEDER 3	11KV Auto recloser & sectionalizers	SOKPONBA	1	Sep-22	
24	11 KV IHAMA	11KV Auto recloser & sectionalizers	GRA	1	Sep-22	
25	11 KV MBH COMMERCIAL	11KV Auto recloser & sectionalizers	UGBOWO	1	Sep-22	
26	11 KV RESERVATION	11KV Auto recloser & sectionalizers	GRA	1	Sep-22	
27	11 KV ROYAL -COMMERCIAL	11KV Auto recloser & sectionalizers	AKURE	1	Sep-22	
28	Ekpoma 2x15 MVA	11KV Indoor Control Panel (9 panel Board)	Uromi BU	1	Sep-22	
29	Wellfare ISS	11KV Indoor Control Panel (9 panel Board)	Etefe BU	1	Sep-22	
	Other Priority Projects					
1	Umurede 1X7.5MVA ISS	11KV Indoor Control Panel (7 panel Board)	Agbor BU	1	Sep-22	

2	Iyekogba ISS	11kV indoor Control Panel (7 panel Board)	GRA BU	1	Sep-22	
3	Agric ISS	11kV indoor Control Panel (7 panel Board)	Ado - Ekili	1	Sep-22	

**Customer Service Improvement Plan**

#	Name	Description	Quantity	Project Completion Date (MM - YY)	Expected Impact
1	Vehicles (Hilux)		10	Oct-22	Timely attending customer complaints
2	Tricycle (E-Vehicle)		103	Oct-22	Timely attending customer complaints
3	Motorcycle ( 120 Nos)		120	Oct-22	Timely attending customer complaints

**IT Investments (SCADA)**

#	Name	Description	Project Completion Date (MM - YY)
1	Mini SCADA	Mini SCADA will be implemented in all new manned Injection Sub Station	Dec-22

**IT Investments (ERP)**

#	Name	Description	Project Completion Date (MM - YY)	Expected Impact



1	ERP, Popay, Imparvo	Addition of different Modules & Upgradation	Dec-22	Ease in commercial processes with more reliable data with minimum human intervention
2	CRM	Customer Relationship Management System	Dec-22	Ease in commercial processes with more reliable data with minimum human intervention
	Total			

IT Investments (HSE)				
#	Name	Description	Project Completion Date (MM . YY)	Expected Impact
1	Lodder Fibre		Aug-22	To create safe working environment and increase the productivity. Step for moving towards becoming Zero Accident Organization

2	PPE		Aug-22	To create safe working environment and increase the productivity. Step for moving towards becoming Zero Accident Organization
3	Vehicles (05 nos - Hilux)		Aug-22	To create safe working environment and increase the productivity. Step for moving towards becoming Zero Accident Organization

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IT Investments (AMM)				
#	Name	Description	Project Completion Date (MM - YY)	Expected Impact



1 Commercial Mgt System (AMR, AMR EMS etc)		Sep-22	Ease in commercial processes especially remote meter reading with more reliable data with minimum human intervention. This will be helpful be for better Energy accounting & energy auditing, controlling ATC&C losses by proper utilization of meter data by analyzing it for corrective & preventing action.
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Network Metering (Smart Meters)					
#	Project Description	Description	Quantity	Project Completion Date (MM - YY)	Expected Impact
1	DTR Metering	New	1000	Nov-22	Better Energy accounting & energy auditing, controlling ATC&C losses by proper utilization of meter data by analyzing it for corrective & preventing action.
2	Smart meters - CI-VT HT Meter	New	150	Nov-22	Better Energy accounting & energy auditing, controlling ATC&C losses by proper utilization of meter data by analyzing it for corrective & preventing action.
3	Smart CT Operated Meters	New	500	Nov-22	Better Energy accounting & energy auditing, controlling ATC&C losses by proper utilization of meter data by analyzing it for corrective & preventing action.

4	Meters CT VT 11KV	New	150	Nov-22	Better Energy accounting & energy auditing, controlling AT&C losses by proper utilization of meter data by analyzing it for corrective & preventing action.
5	MD CT Operated Meters for MDAs	New	200	Nov-22	Better Energy accounting & energy auditing, controlling AT&C losses by proper utilization of meter data by analyzing it for corrective & preventing action.
6	11KV MD CT VT Operated Meters for MDAs	New	150	Nov-22	Better Energy accounting & energy auditing, controlling AT&C losses by proper utilization of meter data by analyzing it for corrective & preventing action.
7	33KV MD CT VT Operated Meters for MDAs	New	150	Nov-22	Better Energy accounting & energy auditing, controlling AT&C losses by proper utilization of meter data by analyzing it for corrective & preventing action.

Other Service Improvement Plan		
#	Name	Other
1	Poles	1000
2	11KV Polymer Disc / Pin insulator	2500
3	33 kV Polymer Disc / Pin Insulators	1500
4	Different Size ACSR & AAC Conductor	15000



5	33 KV Gang Operated Isolator	50
6	LV Feeder Pillar	100
7	11 KV Gang Operated Isolator	100
8	33 KV Lightning Arrestor	75
9	11 KV Lightning Arrestor	150
10	33 KV D D Fuse	150
11	11 KV D D Fuse	150
12	33 KV Outdoor Current Transformer	10
13	33 KV Outdoor Potential Transformer	10
14	Transformer Oil	100
15	33KV, 11 KV & LV Cables of different Sizes	1
16	33KV, 11 KV & LV Cables terminations / joints of different Sizes	1
17	TOOL KIT CONTAINING COMPLETE TOOLS	50