UNITED REPUBLIC OF TANZANIA

MINISTRY OF ENERGY

ENERGY AND WATER UTILITIES REGULATORY AUTHORITY

(EWURA)

THE ELECTRICITY SUB-SECTOR REGULATORY PERFORMANCE UPDATES – MARCH 2026

EWURA House, 3 EWURA Street, 41104 Tambukareli,
P.O. Box 2857,
Dodoma - Tanzania
Tel.: +255-26-2329002-4
Fax: +255-26-2329005
Website: www.ewura.go.tz
Email address: info@ewura.go.tz

TABLE OF CONTENTS

LIST OF TABLES

LIST OF FIGURES

LIST OF ANNEXES

ABBREVIATIONS AND ACRONYMS

AHEPO	:	Andoya Hydro Electric Power Limited
CAIDI	:	Customer Average Interruption Duration Index
Cap.	:	Chapter
COD	:	Commercial Operation Date
EMC	:	Electromagnetic Compatibility
ESI	:	Electricity Supply Industry
ESIRSR	:	Electricity Supply Industry Reform Strategy and Roadmap
EWURA	:	Energy and Water Utilities Regulatory Authority
GN	:	Government Notice
GO	:	Gas Oil
GW	:	Giga Watt
GWh	:	Gigawatt-hour
HFO	:	Heavy Fuel Oil
HSE	:	Health, Safety and Environment
IDO	:	Industrial Diesel Oil
IMO	:	Independent Market Operator
IPP	:	Independent Power Producer
ISO	:	Independent System Operator
km	:	Kilometre
kV	:	Kilo Volt
LV	:	Low Voltage
MoE	:	Ministry of Energy
MV	:	Medium Voltage
MVA	:	Mega Volt Ampere
MW	:	Mega Watt
MWh	:	Megawatt-hour
PPA	:	Power Purchase Agreement
REA	:	Rural Energy Agency
SAIDI	:	System Average Interruption Duration Index
SAIFI	:	System Average Interruption Frequency Index
SAIFI-CP	:	System Average Interruption Frequency Index at Connection Point
SPP	:	Small Power Producer
SPPA	:	Standardized Power Purchase Agreement
SPPT	:	Standardized Small Power Projects Tariff
SGR	:	Standard Gauge Railway
TANESCO	:	Tanzania Electric Supply Company Limited
TANWAT	:	Tanganyika Wattle Company Limited
TBS	:	Tanzania Bureau of Standards
TGP	:	Tegeta Gas Power Plant
TPC	:	Tanganyika Planting Company
UGP1	:	Ubungo Gas Power Plant 1
UGP2	:	Ubungo Gas Power Plant 2
VSPP		Very Small Power Producer
ZECO	:	Zanzibar Electricity Corporation Limited

EXECUTIVE SUMMARY

♦♦♦

Introduction

This report presents the regulatory performance updates of the Electricity Supply Industry as of 31st March 2026. It is made under Section 32(7) of the Electricity Act, Cap. 131, which requires EWURA to publish periodic reports on the performance of licensees, including, but not limited to, quality, reliability, and security of supply, the progress of electrification, investment, efficiency of operations, and other standards of customer services. In this regard, the report presents the following information, among others: Overview of the Electricity Supply Industry, achievements, Market Competition Analysis, Future Outlook of the Electricity Supply Industry, Challenges, and Conclusion.

Overview Of the Electricity Supply Industry

Institutional Structure: The Minister provides supervisory and oversight. The Energy and Water Utilities Regulatory Authority (EWURA) provide technical and economic regulation. Rural Energy Agency (REA) promotes and facilitates improved access to modern energy services in rural areas. Tanzania Electric Supply Company Limited (TANESCO) provides regulated services. Also, there are other private and public entities that provide regulated services.

Regulatory Tools: Acts, policies, standards, regulations, strategies, and plans. Others include performance agreements, rules, licences, power supply agreements, tariffs, customer service charter and manuals.

Regulatory Goals: Quality of supply, reliability of supply, security of supply, progress in electrification, investment, operations efficiency, and improved standards of customer services.

Achievements

Regulatory approvals: 11,399 licences issued, of which 1,002 are in FY 2025/2026 for electricity Generation, transmission, cross-border trade, distribution and electrical installation. 13 entities registered to generate and sell electricity below one (1) megawatt. Seven (7) projects accounting for 1,136MW approved for initiation of Procurement for the Development of New Electricity Supply Installations, of which one (1) project accounting for 200MW was approved in FY 2025/26. 67 Power Purchase Agreements accounting for 698.72MW were approved. Seven (7) tariff orders approved for entities/utilities selling

electricity to customers. One (1) feed-in tariff approved for entities selling electricity (in bulk) to the main grid and off-grid between 100kW and 10MW. 60 complaints and disputes between regulated service providers and their respective customers were resolved in FY2025/26. Performance agreements with Key Performance Indicators (KPIs) signed with regulated entities. These regulatory approvals promote the affordability of electricity Services, the security of the electricity supply, investment, Quality and Reliability of Services, electrification, as well as Efficient Operations and sustainability of Regulated Entities. Also, enhance regulatory impact and consumer safeguards.

Electricity Generation and Demand: The installed capacity reached 4,609.66 MW in FY2025/26 being an increase of 105.12 (2.33%) from 4,504.54 MW in FY2024/25. The Energy Generation was 11,842.38 GWh which is greater that third quarter of the total energy generated in FY2024/25 which was 13,940.06. The gross Electricity Demand reached 2,508.19 MW being an increase of 150.22 MW (6.37%) from 2,357.97 MW in FY2024/25. The demand in the main grid reached 2,071.66 MW being an increase of 150.22 (7.82%) from 1,921.44 MW in FY2024/25. The Reserve Margin was 51.02% and within a target of >15%. The Energy Generation Mix was Hydro 61.45%, natural gas 31.85%, liquid fuel 2.37%, coal 2.10%, biomass 1.77%, solar 0.43%, and wind 0.04%. Power plant Availability was 73.88% and below the target of >88%. Plant utilization was 53.67%.

Electricity Transmission: The line route length was 8,303.87km in FY2025/26 being the same as those in FY2024/25. The number of substations were 72 in FY2025/26 being the same as those in FY2024/25. The capacity of substations was 10,226.7MVA in FY2025/26 being the same as those in FY2024/25. The number of Connected Customers were seven (7) in FY2025/26 being the same as those in FY2024/25. Reliability of Infrastructure indicates that SAIFI was 4.8 incidents which is within the target of <10 incidents and SAIDI was 2.3 hours which is within a target of below 6.5 hours. Unserved Energy was 0.46% of the total energy generated, and within a target of <4.53%.

Electricity Distribution: The line route length reached 236,045.06 km in FY2025/26 being an increase of 21,701.39 km (10.12%) from 214,343.67 km in FY2024/25. The Electrification reached 78.4% accessibility and 37.7% connectivity. The Connected Customers reached 6,131,695 in FY2025/26 being an increase of 646,019 (12.97%) from 5,485,676 in FY2024/25. The Reliability of the Electricity Supply indicates that SAIFI is 9.12 incidents, and is within the target of below 26 incidents; SAIDI is 711.00 minutes, and within a target of < 1,536 hours; and, CAIDI is 77.99 minutes and above a target of <59 minutes.

Energy Losses: The total losses are 14.37%, and within a target of <14.88%. The transmission losses are 5.88% and within a target of <5.88. The distribution losses are 8.49% and within a target of <9.00%.

Investment in Electricity Infrastructure: Four (4) generation projects accounting for 305.50 MW, 30 transmission line projects accounting for 15,034.63km line route length, and 33 substations accounting for 5,980.00MVA are under construction by the public sector. Eight (8) projects accounting for 36.23 MW are under construction, and 36 projects accounting for 173.39MW were at different stages of soliciting funds by the private sector.

Clean Cooking: Promoting clean cooking through an increase in electricity accessibility and connectivity, an increase in the availability of energy-efficient equipment, as well as the availability of conducive policies and a regulatory framework.

Market Share Competition Analysis

Installed Capacity: TANESCO accounts for 84.74% and private sector 15.26%. **Electricity Generation:** TANESCO accounts for 87.75% and private sector 12.25%. **Electricity Transmission:** TANESCO accounts for 100%. **System Operations:** TANESCO accounts for 100%. **Customers:** TANESCO accounts for 99.59% and private sector 0.41%. **Electricity Distribution Infrastructure**: TANESCO accounts for 99.55% and private sector 0.45%.

Future Outlook of The Electricity Supply Industry

Implementation of Net metering framework: To promote the implementation of the Framework to allow customers to engage in a net energy exchange billing mechanism with utilities to earn credit for excess energy production through renewable sources, thus promoting the security of the electricity supply, clean energy, clean cooking, and the efficient use of electricity.

Infrastructure Financing Reimbursement Framework: To promote the public and private sector participation in the financing of the Construction of an Electric Supply Line through the reimbursement framework for customers who finance the construction of electric supply lines, thus promoting electrification and clean cooking.

Adaptation of Electromobility Technology: To promote electromobility technology through the development of regulation framework aiming to ensure efficient use of electricity and safety for associated power consumption and charging stations, thus ensuring efficient use of electricity and safety.

Promotion of Investment in Electricity Infrastructure: The demand is forecasted to increase from 2,507.80MW in 2025 to 6,571.06MW in 2030, resulting in an increase in financing investment requirements of USD 39,951.90 million by 2050 to increase installed capacity from 4181.71MW to 11,822.39MW, energy from 16,007.5 GWh to 40,932.87 GWh, per capita consumption from 243 kWh to 528 kWh in 2030, and the connectivity rate from 50% in 2025 to 87%. Also, to increase transmission infrastructure by 16,552.16 km.

Challenges:

Increase in electricity demand due to socioeconomic development attributed to emerging technologies, such as clean cooking, electric mobility, and standard gauge railways; inadequate private investment infrastructure development; and inadequate reliability of the electricity supply in comparison to the set targets. To address these challenges, the government, in collaboration with stakeholders, is working to improve the sustainability of the electricity supply industry through the improvement of the regulatory framework and a conducive environment, aiming at promoting private investments.

Conclusion

Generally, there is no doubt that electricity demand is growing. To manage the demand, there is a need for more investment in the sub-sector. In this regard, EWURA, in collaboration with the government and other key stakeholders, will continue to regulate and promote more investments in the electricity sub-sector to meet the growing demand.

1. INTRODUCTION

Electricity plays a vital role in socio-economic development. Thus, the government has established institutions in the Electricity Supply Industry to ensure the availability and affordability of electricity supply services at acceptable quality standards in line with legislation and national development agendas.

The institutions include the Ministry of Energy, which provides an overall supervisory role in the electricity supply industry, EWURA for providing technical and economic regulation, REA for rural electrification, and TANESCO for conducting regulated activities. The industry also includes private entities that conduct regulated activities.

EWURA exercises its power in line with Section 6 of the Electricity Act Cap.131, R.E.2023. It awards licenses for undertaking or seeking to undertake a licensed activity, approves and enforces tariffs and fees charged by licensees, approves licensees' terms and conditions of electricity supply, and approves the initiation of the procurement of new electricity supply installations.

EWURA executes its function in line with Section 7 of the Electricity Act Cap.131, R.E.2023. It protects customers' interests by promoting competition, accessibility, and affordability of electricity services. It promotes the least-cost investment, security of supply, operational efficiency, and efficient use of electricity. Furthermore, it promotes appropriate standards of quality, reliability, and affordability of electricity supply, and environmental conservation.

This report presents the electricity subsector regulatory performance updates, particularly in generation, transmission, distribution, supply, and cross-border trade. It is in line with Section 32 of the Electricity Act Cap.131, R.E. 2023, which requires EWURA to monitor, measure, and publish the performance of the regulated entities, including, but not limited to, quality, reliability, and security of supply, the progress of electrification, investment, efficiency of operations, and customer service standards.

2. OVERVIEW OF THE ELECTRICITY SUPPLY INDUSTRY

An overview of the electricity supply industry is presented in this section. It consists of an institutional structure and the regulatory tools for the administration of the industry.

2.1 Institutional Structure of the Electricity Supply Industry

The electricity supply industry consists of various institutions. The key institutions and their respective roles are presented in **Figure 1**.

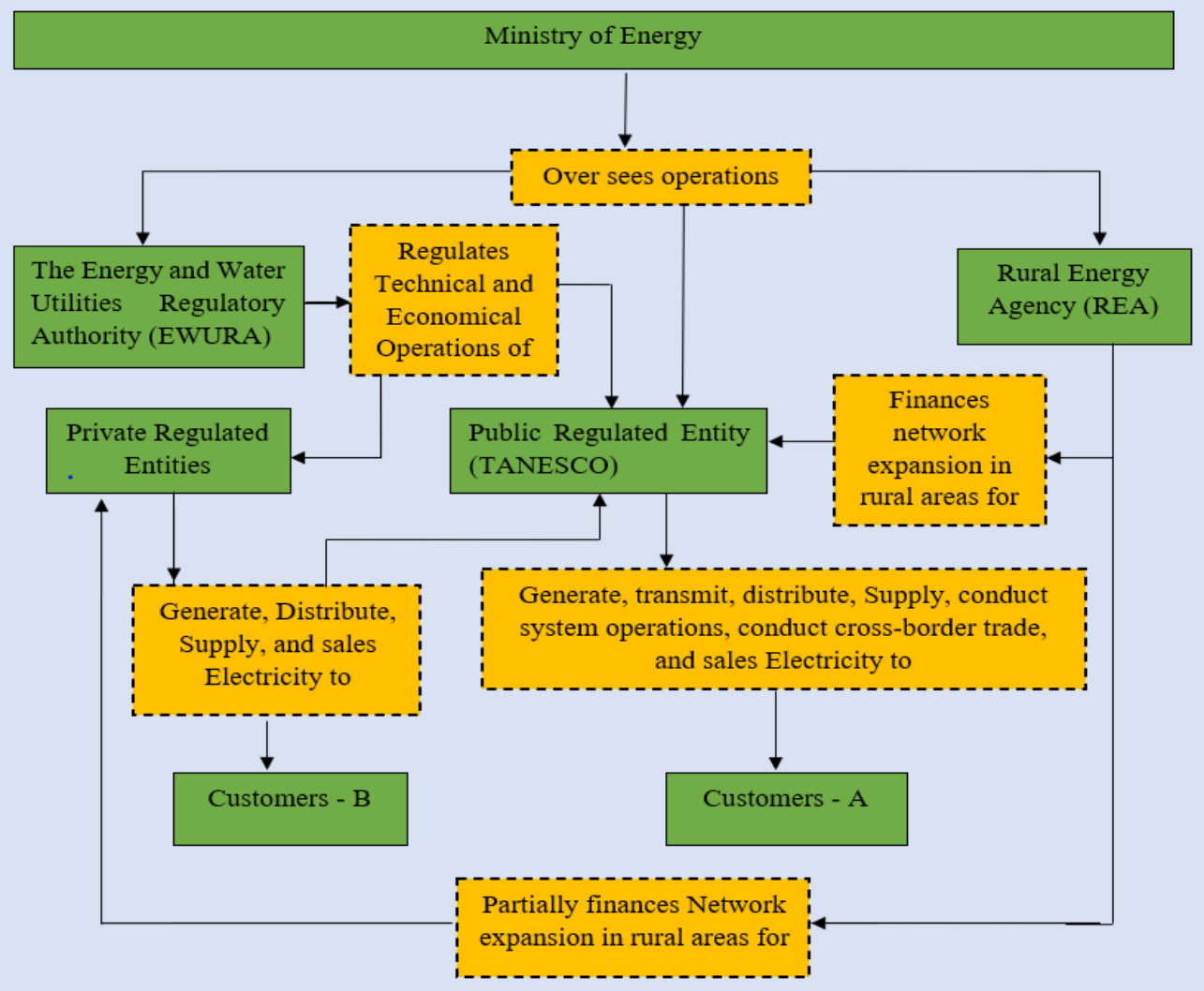


Figure 1: The Electricity Supply Industry Institutional Structure

2.2 Regulatory Tools

The regulatory tools used to administer the electricity supply industry are presented in **Figure 2**. Details are in **Annex 2**. Also accessible at *https://www.ewura.go.tz/electricity-regulatory-tools/*.

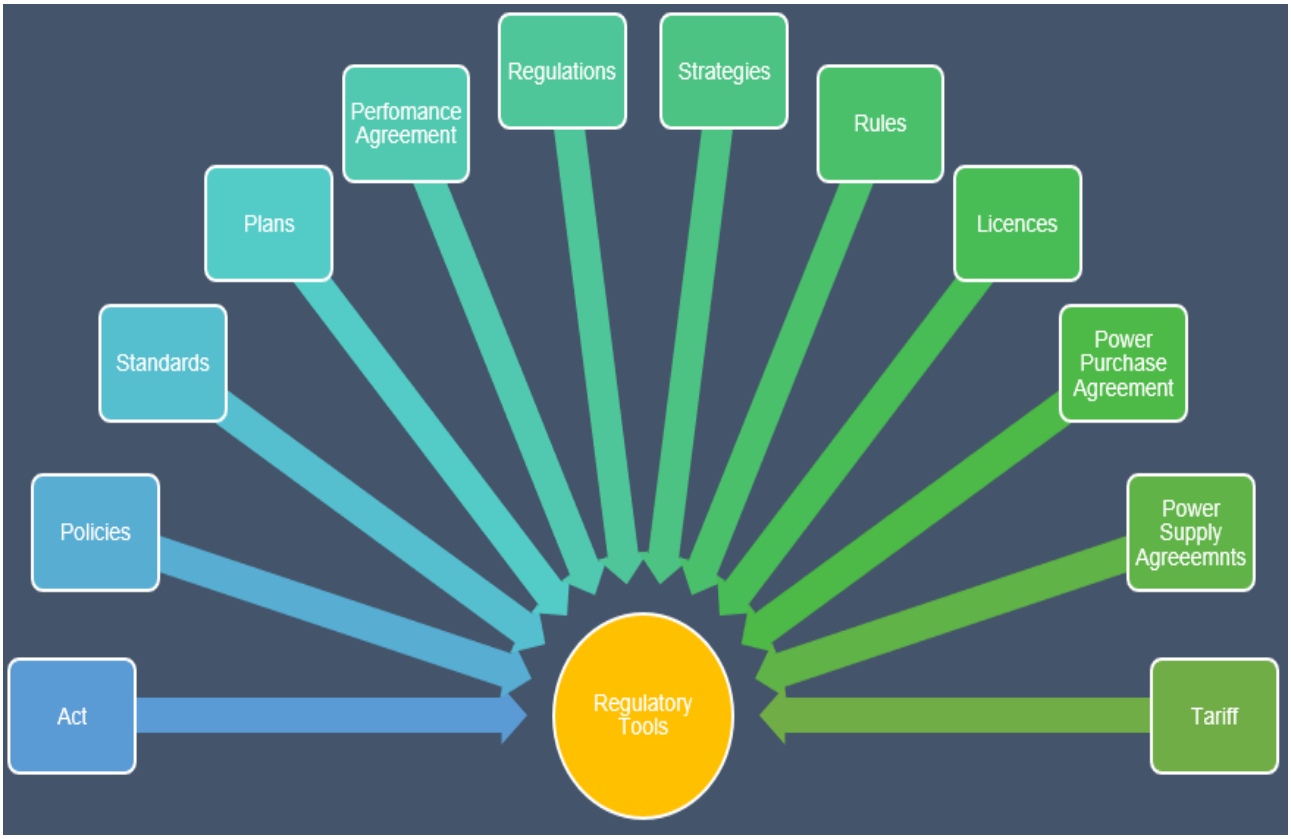


Figure 2: Regulatory Tools in The Electricity Supply Industry

2.3 Regulatory Goals

The regulation of the electricity supply industry aims at achieving the regulatory goals outlined in section 32(7) of the Electricity Act, Cap 131. The same are presented in **Figure 2**.

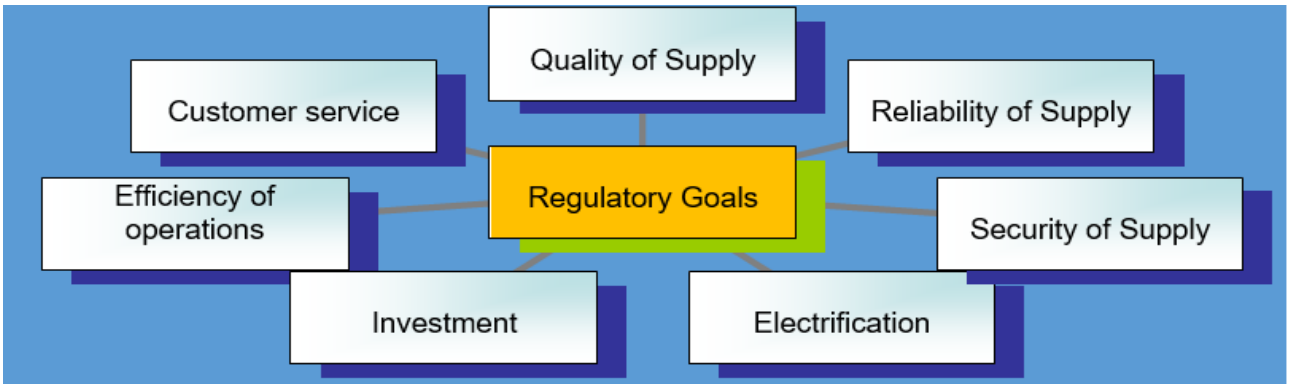


Figure 3: Regulatory Goals in The Electricity Supply Industry

3. REGULATORY APPROVALS

The requirements in **Figure 4** were issued or approved in compliance with the applicable legislation, aiming to enhance the efficient administration and operation of the electricity supply industry. Respective details are provided in this section.

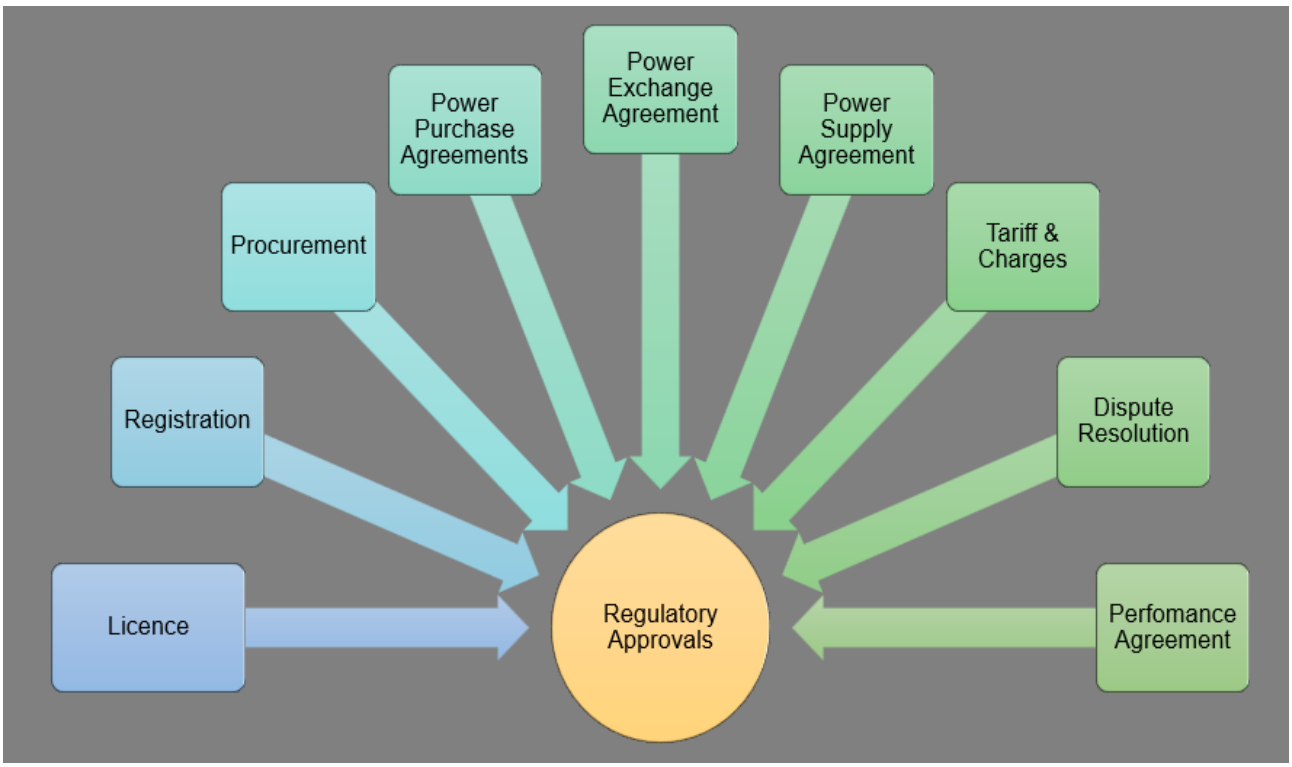


Figure 4: Regulatory Approvals

3.1 Licence

The regulated activities above 1MW require a license in compliance with Section 9(1) and 20(4) of the Electricity Act Cap. 131, R.E 2023. The licence categories are in **Figure 5**.

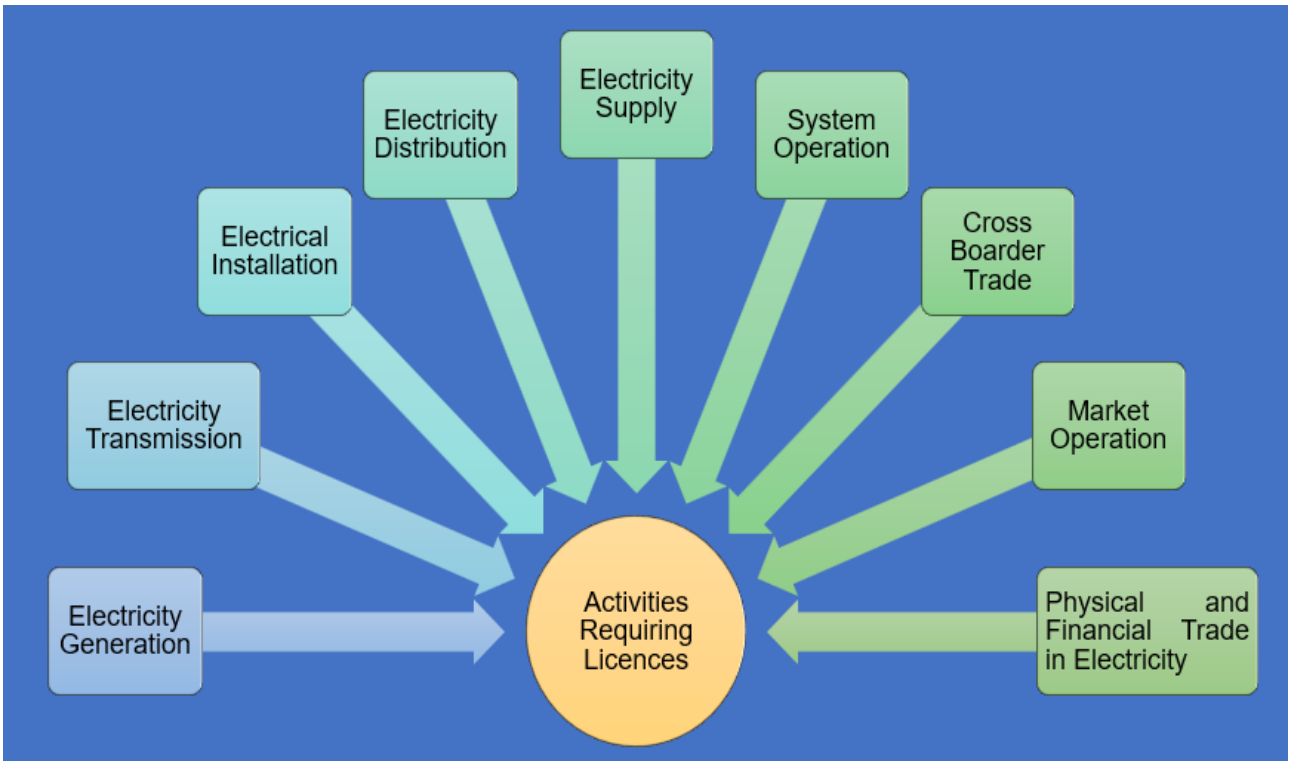


Figure 5: Activities Requiring Licence

3.1.1 Existing licence

A total l of 11,469 licences exists, as depicted in **Figure 6** and details in **Annex 3** . Out of these, 1,012 licenses were issued in FY 2025/2026.

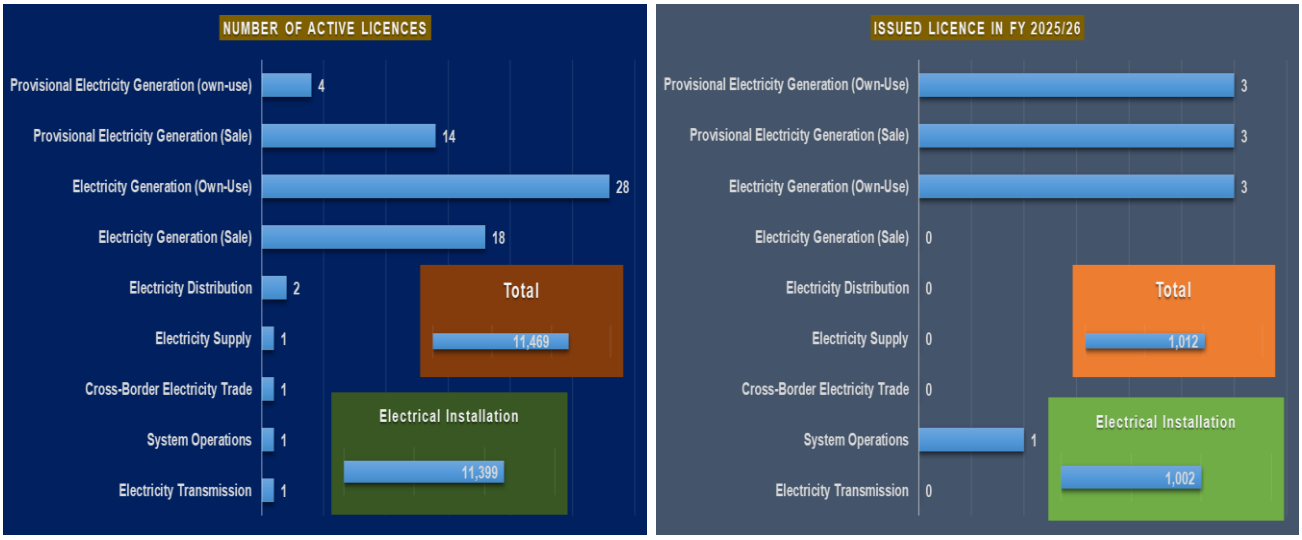


Figure 6: Issued Licence

3.1.2 The Electricity Generation Licences

The license is issued to an entity carrying out electricity generation activities in compliance with sections 6(a) and 9(1)(a) of the Electricity Act, Cap. 131, R.E. 2023. It includes operational licences for entities operating power plants and provisional licences for entities at various stages of developing the power plants, as depicted in **Figure 7**.

Figure 7: Categories of Electricity Generation Licence

3.1.2.1 Trend of Issuance of Electricity Generation Licence

In FY 2025/26 (July 2025 - March 2026), six (6) licences were issued. The trend in other respective years is depicted in **Figure 8**.

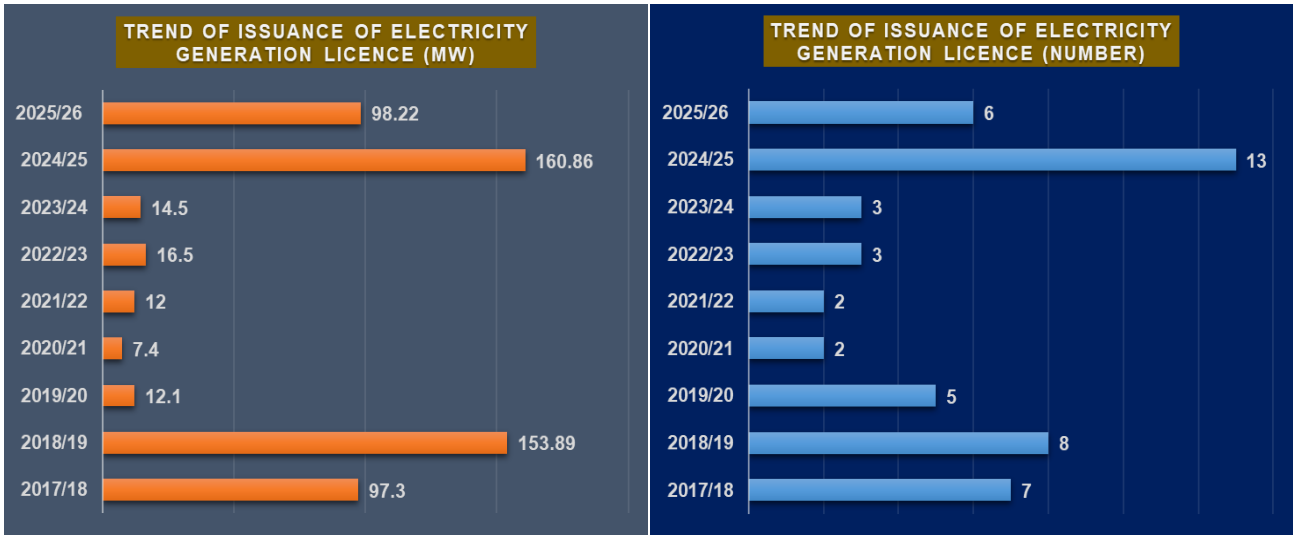


Figure 8: Trend of Issuance of Electricity Generation Licence

3.1.2.2 Electricity Generation Licences (Operational)

A total of 46 licences exist, as depicted in **Figure 9**. Among these, 18 licences are for entities generating electricity for sale, and 28 are for entities generating electricity for their own use.

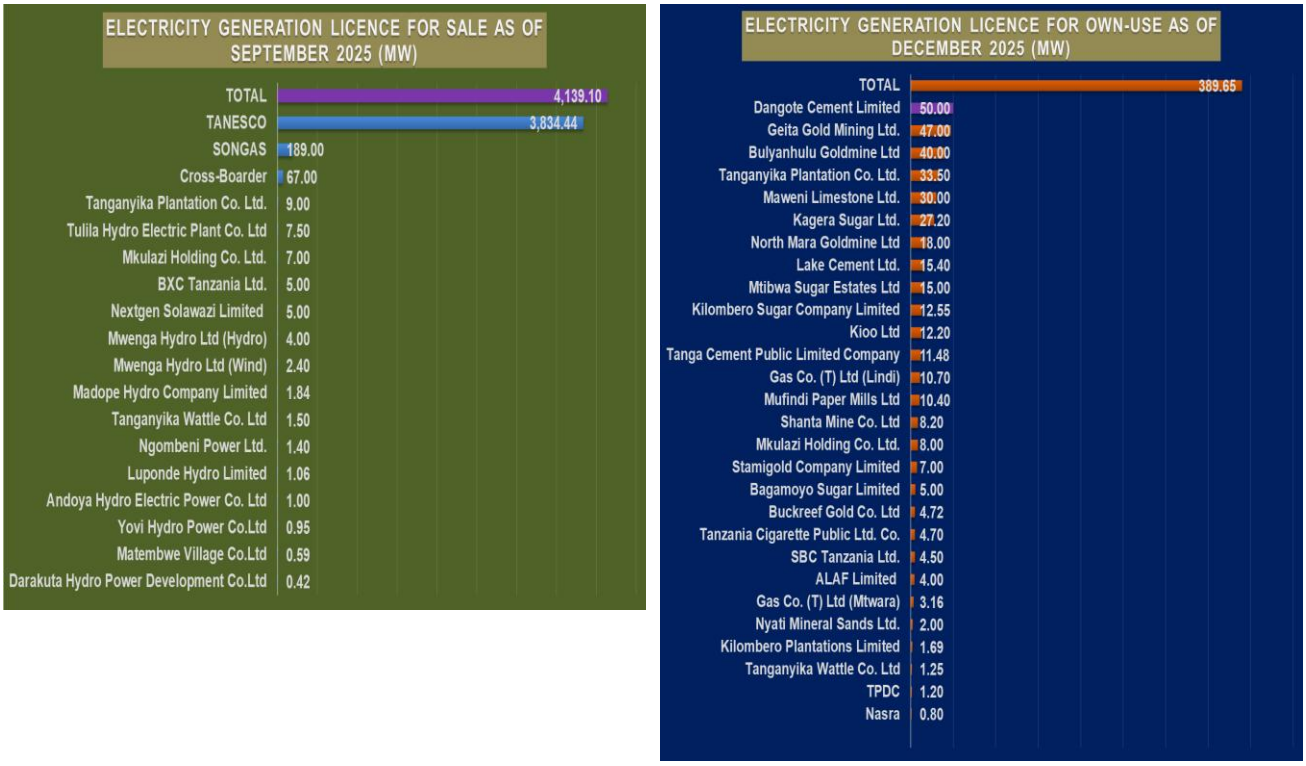


Figure 9: Electricity Generation Licences

3.1.2.3 Electricity Generation Licences (Provisional)

Six (6) provisional licences exist, as depicted in **Figure 10**. The licences are for entities at different stages of developing electricity generation plants.

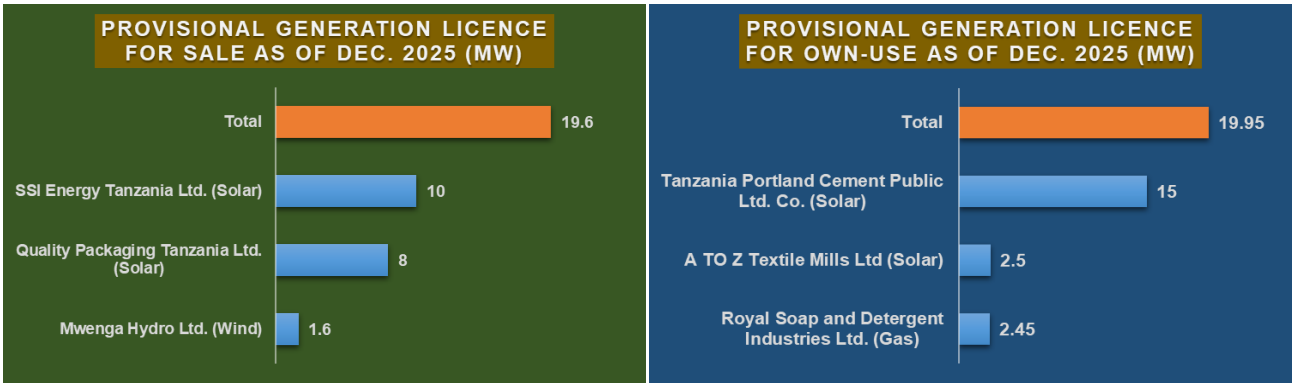


Figure 10: Provisional Electricity Generation Licences

3.1.3 Electricity Transmission Licence

The licence is issued to an entity conducting electricity transmission activities in compliance with sections 6 (a) and 9(1)(b) of the Electricity Act Cap. 131, R.E 2023. TANESCO is the only entity with the licence at the voltage levels presented in **Figure 11**.

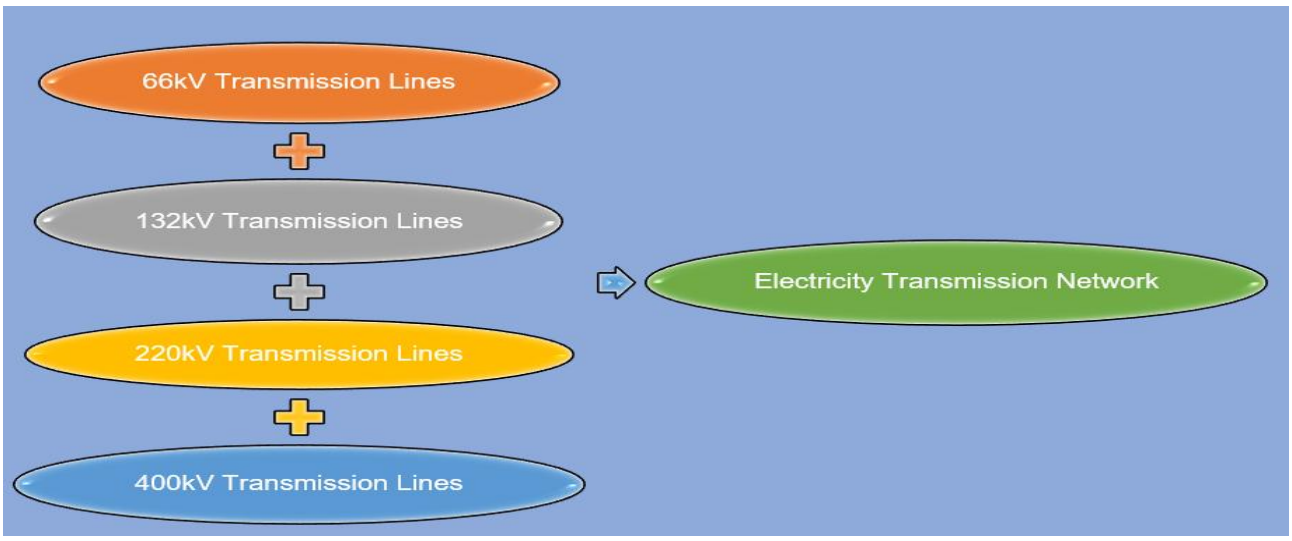


Figure 11: Electricity Transmission Network Voltage Levels

3.1.4 Electricity Distribution Licence

The licence is issued to an entity carrying out electricity distribution activities in compliance with sections 6 (a) and 9(1)(c) of the Electricity Act Cap. 131, R.E 2023. Two entities have the licence as depicted in **Figure 12**. It covers the voltage levels presented in **Figure 13**. Details are in **Annex 3**.

Figure 12: Electricity Distribution Licensed Entities

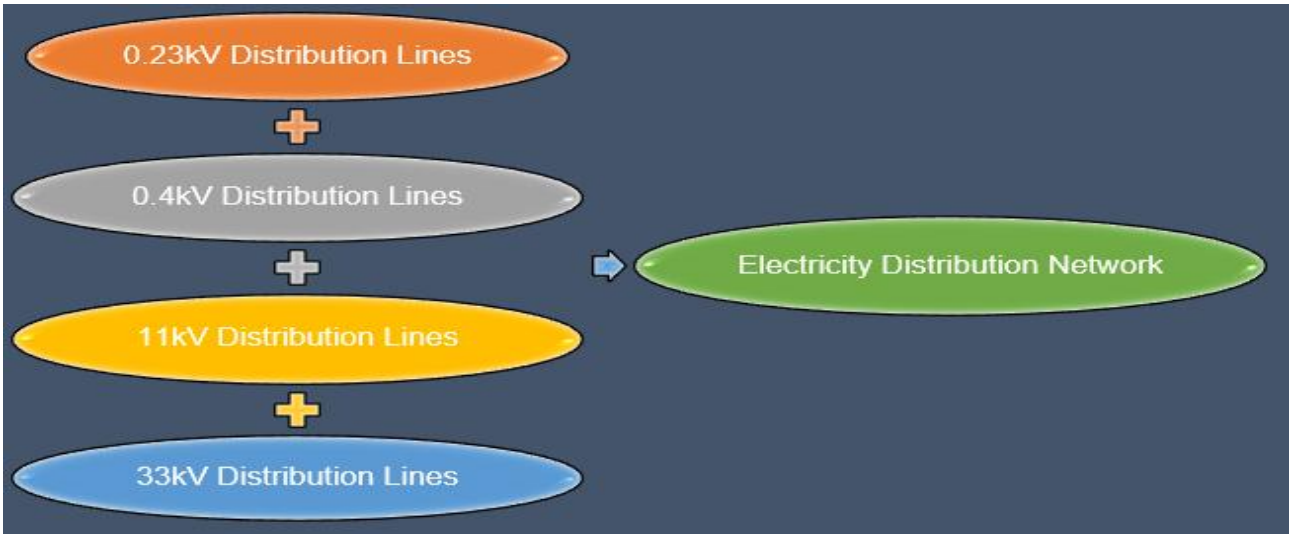


Figure 13: Electricity Distribution Network Voltage Levels

3.1.5 Electricity Supply Licence

The licence is issued to an entity carrying out electricity supply activities in compliance with sections 6(a) and 9(1)(d) of the Electricity Act Cap. 131, R.E 2023. TANESCO is the only entity with such licence at voltage levels, presented in **Figure 14**.

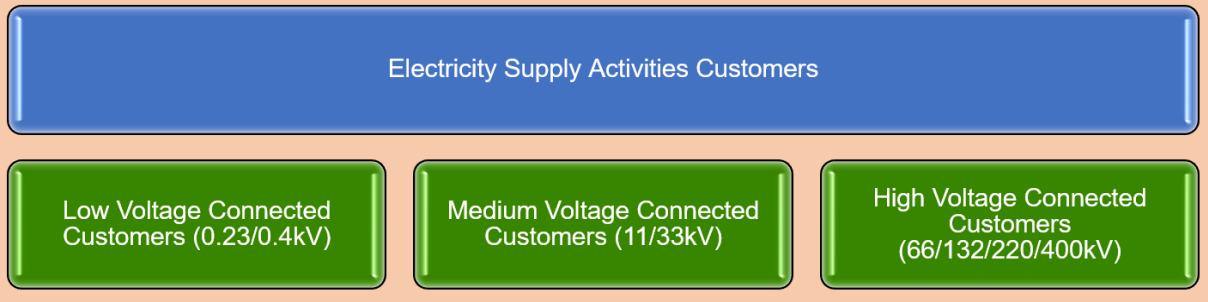


Figure 14: Electricity Supply Voltage Levels

3.1.6 Cross-Border Electricity Trade Licence

The Licence is issued to entities carrying out cross-border electricity trade activities in compliance with sections 6(a) and 9(1)(f) of the Electricity Act Cap. 131, R.E 2023. TANESCO is the only entity with such licence. It covers cross-border trade with countries and power pools presented in **Figure 15**. The countries include Uganda, under the Uganda Electricity Transmission Co. Ltd (UTCL), and Zambia, under the Zambia Electricity Supply Co. Ltd (ZESCO). Likewise, TANESCO is a member of the Eastern African Power Pool (EAPP) and the Southern African Power Pool (SAPP).

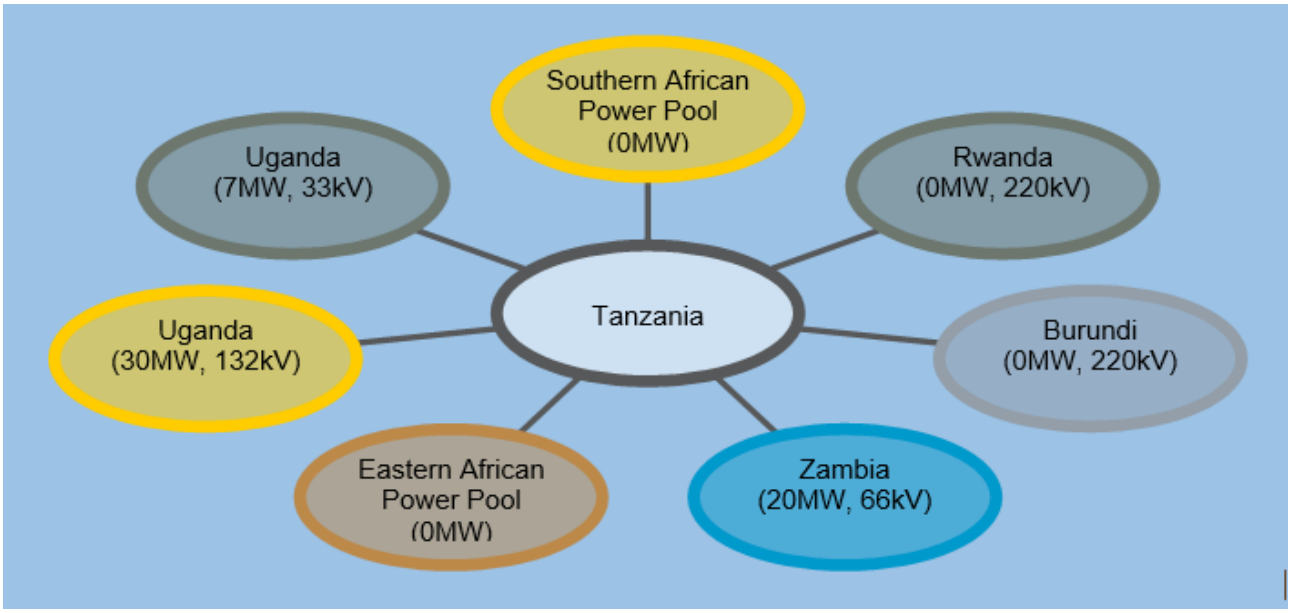


Figure 15: Cross-Border Electricity Trade Interconnections

3.1.7 Electrical Installation Licences

The licence is issued to a person carrying out electrical installation activities in compliance with Section 9(h) of the Electricity Act, Cap 131, R.E. 2023. A total of 11,399 licenses

existed, as depicted in **Figure 16**. Among these, 1,002 licences were issued in FY2025/2026[i].

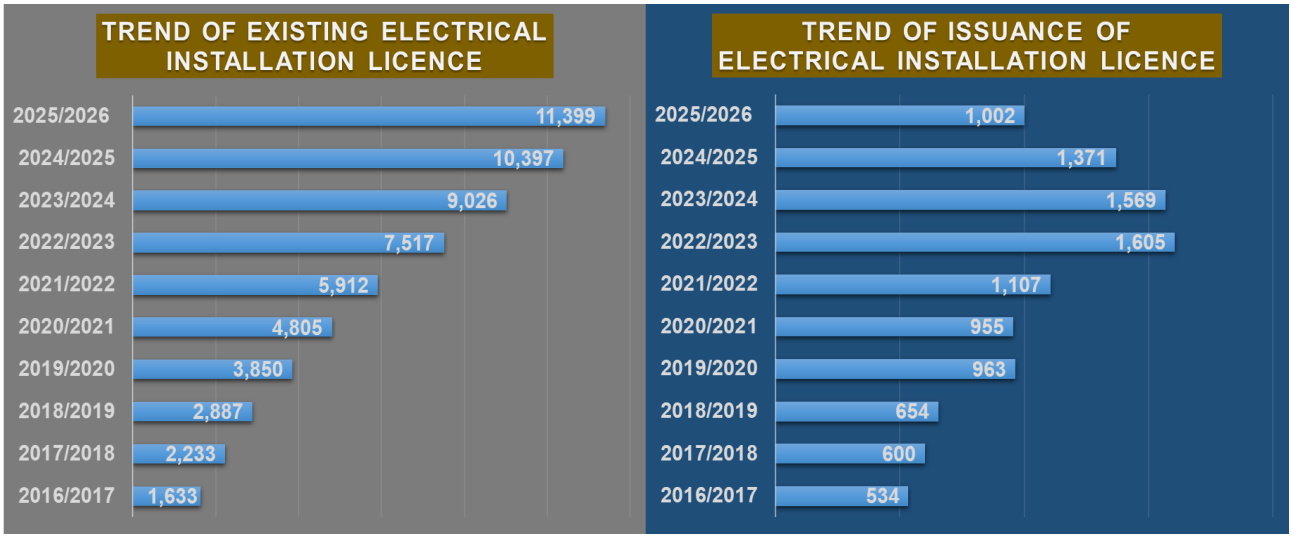


Figure 16: Trend of Existing Electrical Installation Licences

3.2 Registrations

The registrations are issued to entities conducting regulated activities of less than one (1) megawatt and which are exempt from the requirement to obtain a licence in compliance with Section 20 of the Electricity Act, Cap. 131, R.E.2023. Thirteen (13) entities have registration to generate electricity, as depicted in **Figure 17**. The trend of registering entities is depicted in **Figure 18**.

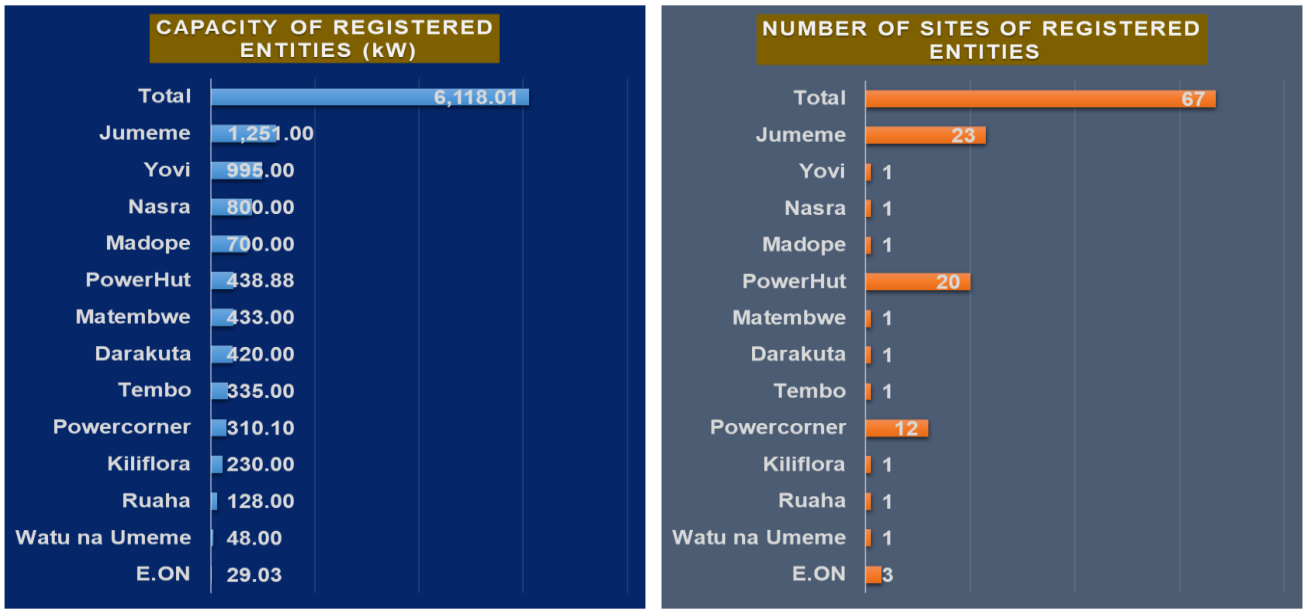


Figure 17: Registered Entities

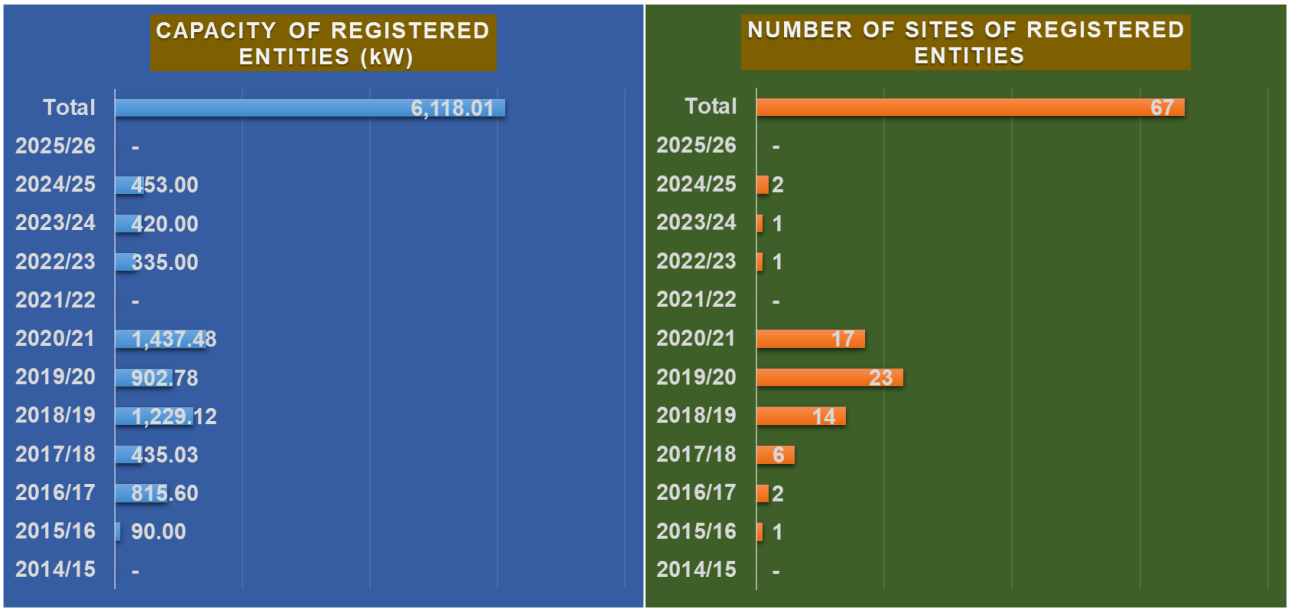


Figure 18: Trend of Registered Entities

3.3 Eligible Customers

The designation of entity as eligible customers is authorization to enter into a contract for the supply of electricity directly with any person licensed to generate electricity in compliance with section Part I (3) of the Electricity Act Cap.131 R.E. 2023, and Rules 74-77 of The Electricity (Generation, Transmission and Distribution Activities) Rules, 2023. Lipton Teas and Infusion Tanzania Limited are the only eligible customer as in **Table 1**.

Table 1: Eligible Customer

S/N	Eligible Customer	Licensee	Project Area	Duration	Capacity (MW)	Date of Issue	Date of Expiry
1	Lipton Teas and Infusion Tanzania Limited	Mwenga Hydro Limited	Mufindi	5 years	≥2	29/Nov/24	18/Dec/29

3.4 Initiation Of the Procurement of New Electricity Supply Installations

The approvals for the initiation of the procurement of new electricity supply installations is issued to private entities in partnership with TANESCO, to procure, construct, generate and sell electricity to TANESCO in compliance with Section 6(d) of the Electricity Act, Cap 131, R.E. 2023. Seven (7) projects with a potential of 1,136MW had approvals, as depicted in **Figure 19**.

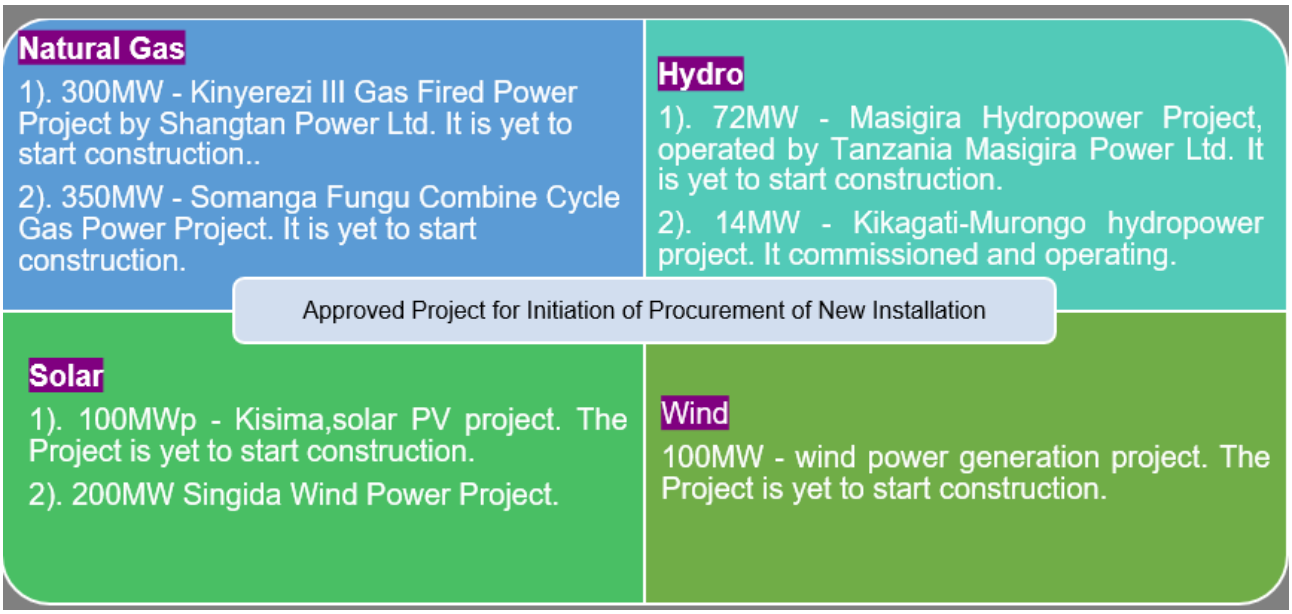


Figure 19: Initiation of the Procurement of New Electricity Supply Installations

3.5 Power Purchase Agreements

The Power Purchase Agreements (PPAs) are approved before signing between TANESCO and entities within and outside the country, selling or intending to sell electricity to TANESCO in compliance with Section 27(3) of the Electricity Act Cap 131, R.E 2023. It includes PPA whose power plants are in operation and those whose power plants are at different stages of development.

3.5.1 Operationalization Status of Power Purchase Agreements

67 PPAs accounting for 698.72MW exist as in **Figure 20**. It includes 22 PPAs with operational power plants, 8 PPAs with power plants under construction, and 36 PPAs at different stages of financial closure to start construction of the power plant. Details are in **Annex 5**.

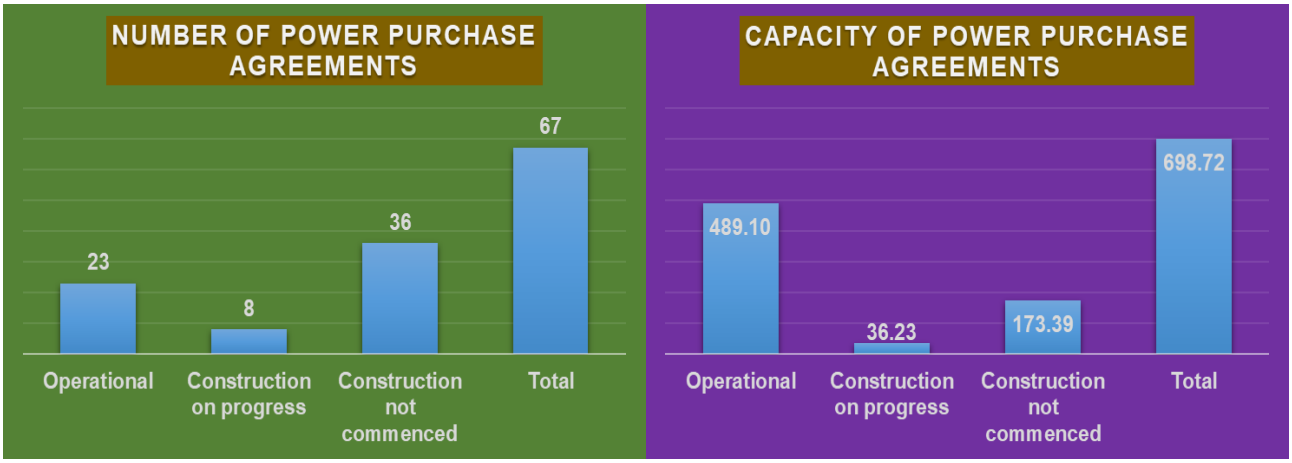


Figure 20: Status of Power Purchase Agreements (PPAs)

3.5.2 Status of Entities with Power Purchase Agreements

Sixty-seven (67) signed PPAs include both national and foreign registered entities, as in **Figure 21**. Out of the total, sixty-four (64) PPAs, accounting for 641.72MW, have been signed between TANESCO and entities registered within the country, and three (3) PPAs, accounting for 57MW, with foreign-registered entities. Details are in **Annex 5**.

Figure 21: Registration Status of Power Purchase Agreements (PPAs)

3.5.3 Trend of Approved Power Purchase Agreements

The trend of the approved PPAs is indicated in **Figure 22**. One (1) PPA accounting for 9MW has been approved in FY2025/26. Details are in **Annex 5**.

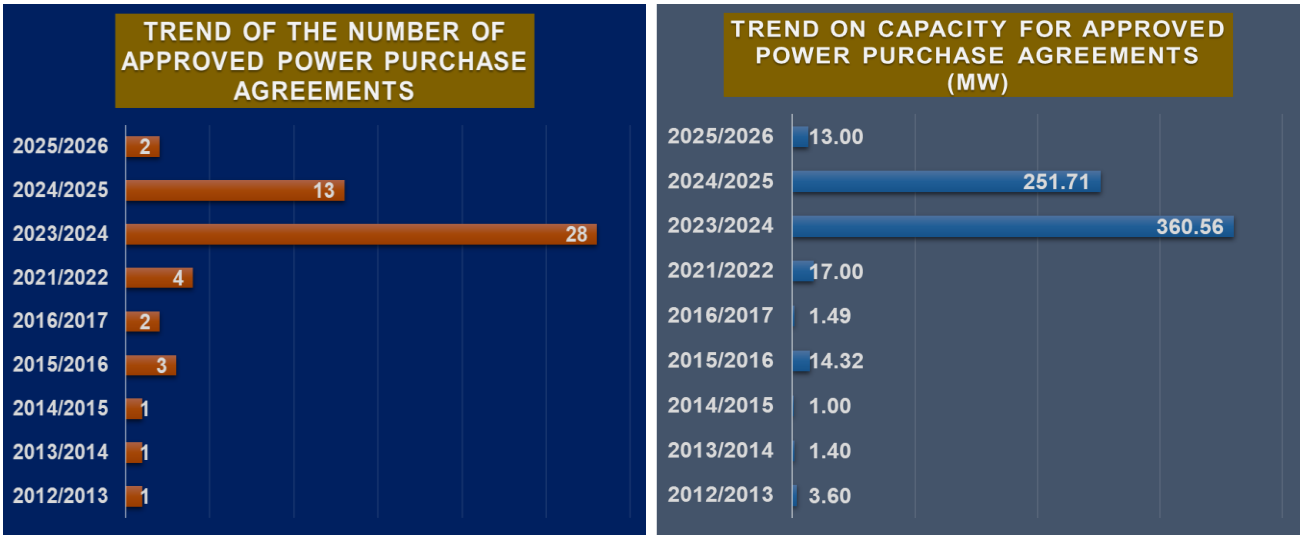


Figure 22: The Trend of Approved Power Purchase Agreements (PPAs)

3.6 Power Exchange Agreements

The Power Exchange Agreement (PEA) is approved for entities exchanging electricity through purchase and sale in compliance with Section 27(2) and (3) of the Electricity Act Cap. 131 R.E 2023. TANESCO has PEA with Kenya Electricity Transmission Co. Ltd (KETRACO) of 4MW, as in **Figure 23**.

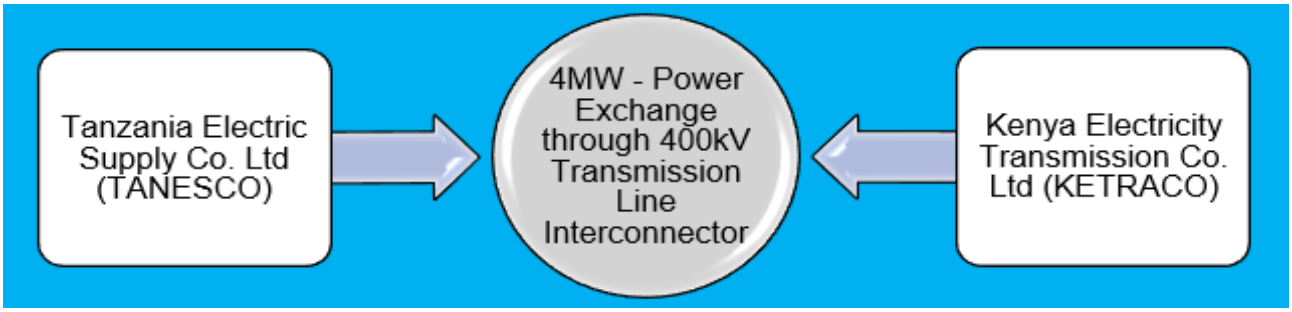


Figure 23: Power Exchange between Tanzania and Kenya

3.7 Power Supply Agreement

The Power Supply Agreement are approved in compliance with Section 25(2) and (3) of the Electricity Act Cap. 131 R.E 2023. It includes Customer Financing for the Construction of the Electric Service Supply Line in compliance with Regulation 4 of the Electricity (General) Regulations, 2020. The framework forms a crucial part of the regulations that enhance the progress of electrification, including accessibility and connectivity.

The framework provides options for customers to finance the construction of the electricity supply line at all voltage levels upon an agreement with the distribution network operator

(DNO). Thereafter, the customer shall be reimbursed through deduction from electricity bills at the rate of forty per cent (40%) of the monthly bill or of every purchase of electricity charges until full recovery of incurred costs.

Several customers have opted for this framework, and more regulatory efforts are being directed towards compliance with this framework to enhance accessibility and connectivity, which are key to industrialisation and other socio-economic activities. The framework financing and recovery mechanism is depicted in **Figure 24**.

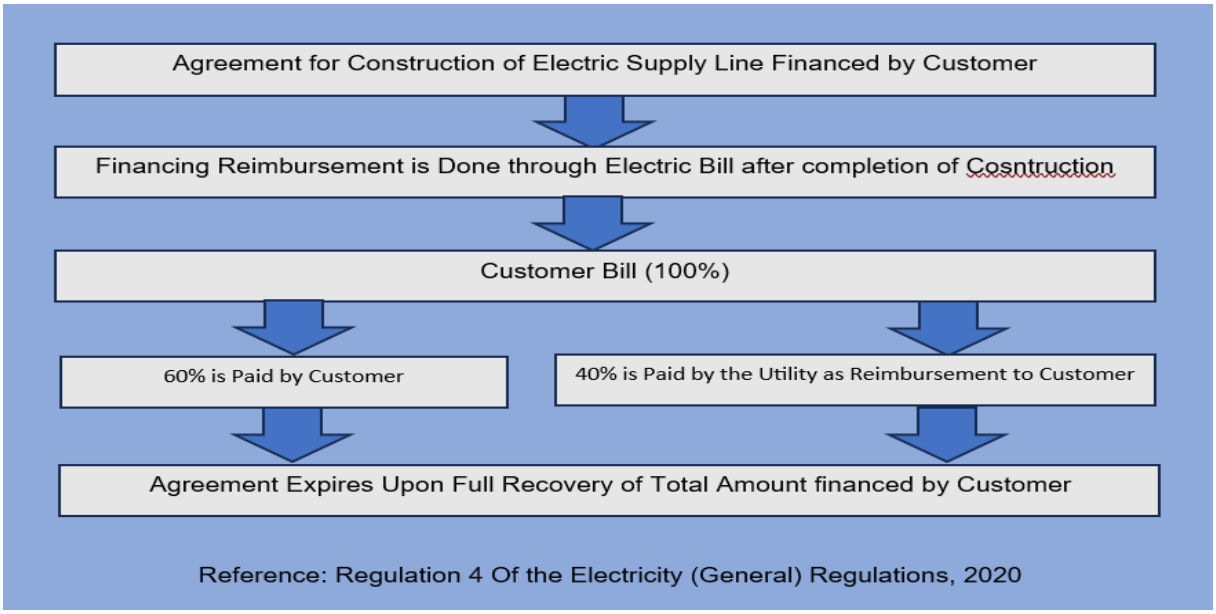


Figure 24: Financing Reimbursement Framework for Construction of Electric Supply Line

3.8 Tariff and Fees

The tariff and fees are approved in compliance with section 6 (b) of the Electricity Act, Cap. 131, R.E 2023[ii]. It includes rates and charges for utilities to sale electricity to end-user customers, as well as standardized small power projects tariffs to sale electricity to the grid, as shown in **Figure 25** [iii].

Figure 25: Tariff Categories

3.8.1 Tariff and Charges for Utilities Selling Electricity to End-User Customers

Tariff orders form an important part of the regulatory aspect. Seven (7) tariff orders were approved for utilities selling electricity to their respective end-user customers, as indicated in **Figure 26**. Details of the TANESCO tariff are in **Annex 8**. Likewise, details for Mwenga Power Services Limited are in **Annex 9**. Furthermore, the tariff for the remaining (registered) entities is in **Annex 6**.

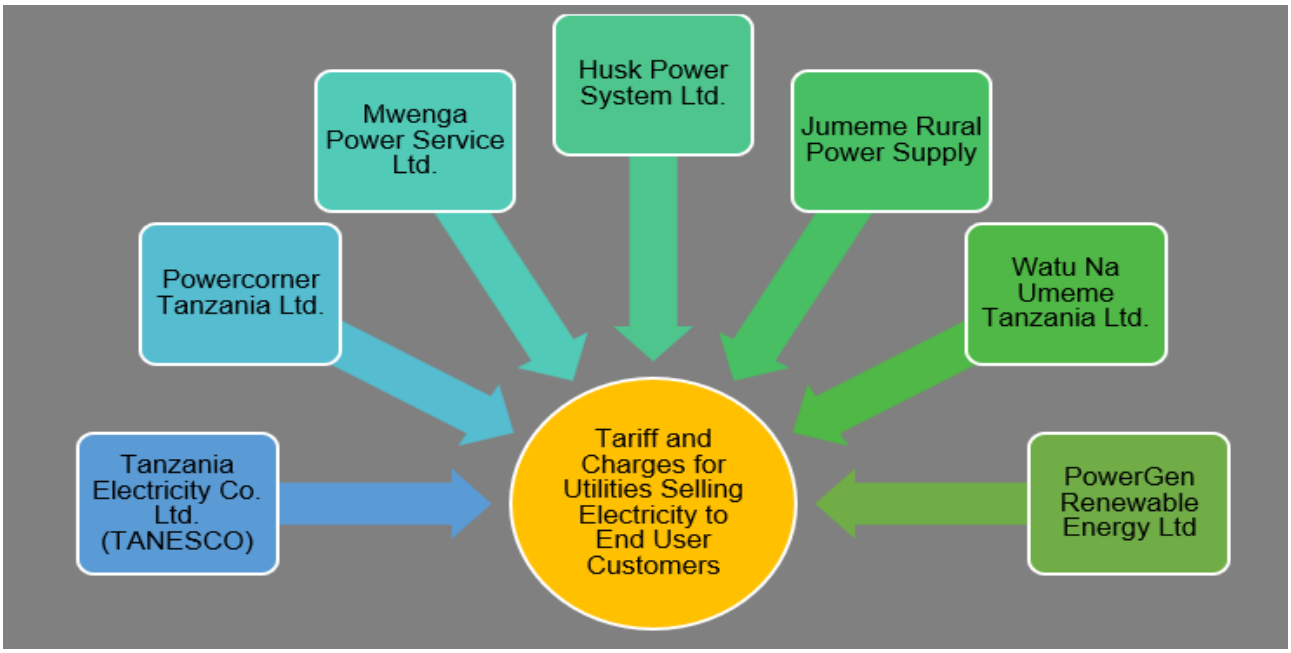


Figure 26: Utilities with Tariffs to Sell Electricity to End-User Customers

3.8.2 Standardized Small Power Projects Tariff

The tariff complies with The Electricity (Standardized Small Power Projects Tariff) Order, 2019. It applies to small power producers (SPPs) as an indicative tariff to generate electricity (100kW—10MW) and sell it to the grid. It consists of tariff categories depicted in **Figure 27**. Its details and respective entities are in **Annex 7**.

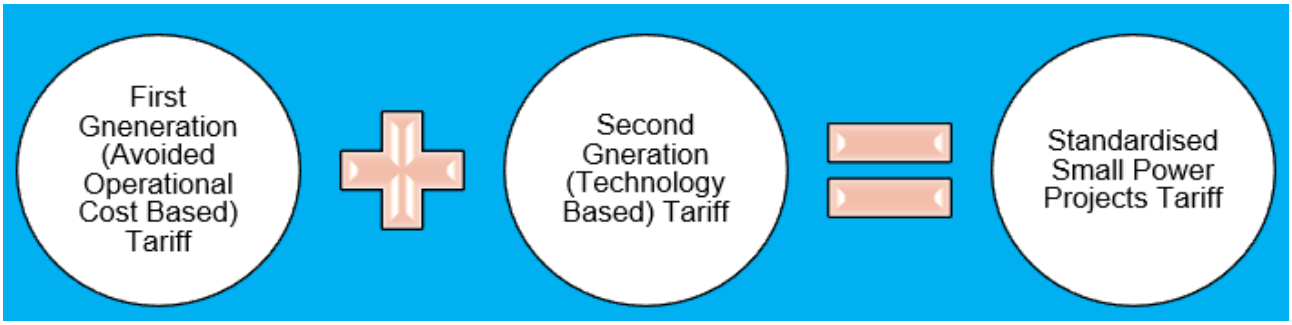


Figure 27: Tariff category for Standardized Small Power Projects Tariffs

3.9 Complaints and Dispute Resolution

Complaints and dispute resolution between licensees (service providers) and their respective customers form an important part of regulation. And enhances customer service. It is done under Sections 7(1)(e), 34-38 of the EWURA Act, Cap 414, R.E 2023, and 28(3) of the Electricity Act, Cap 131, R.E 2023.

3.9.1 Trend Of Complaints and Disputes of Resolution

The trend is depicted in **Figure 28**. 60 complaints and disputes between TANESCO and its customers were resolved in FY 2025/26.

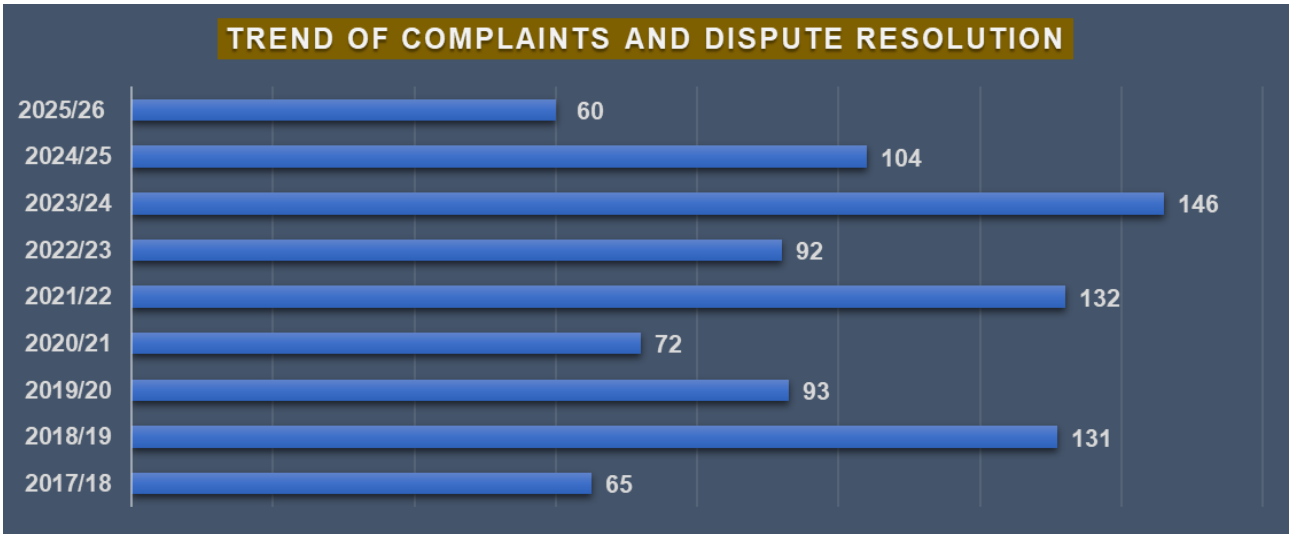


Figure 28: Trend of Complaint and Dispute Resolution

3.9.2 Complaint and Dispute Resolution for Regions

The performance by regions in FY2025/26 is indicated in **Figure 30**. Dar es Salaam and Mwanza regions have the highest number of complaints and disputes resolved.

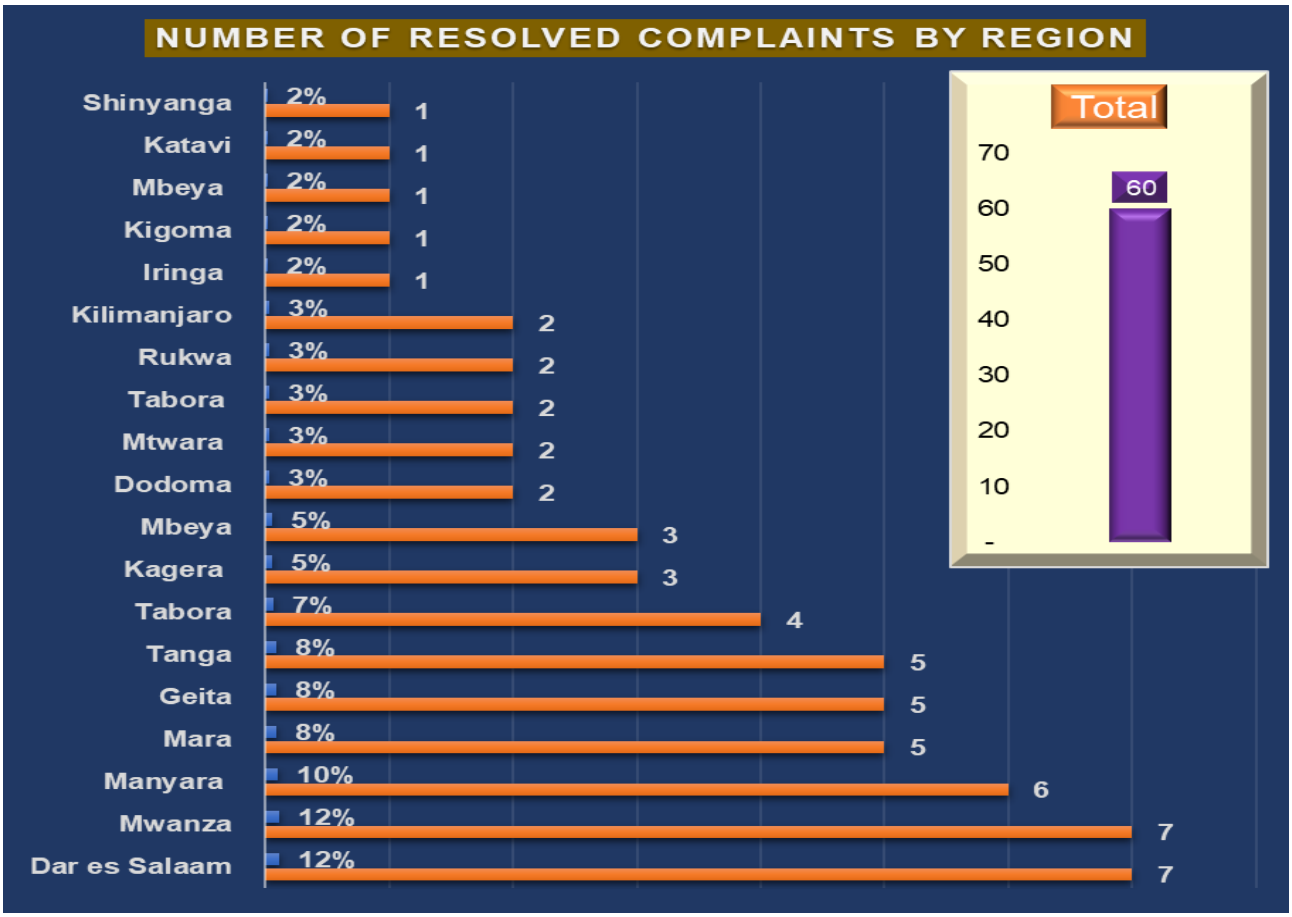


Figure 29: Complaint and Dispute Resolution for Regions

3.9.3 Nature Of Complaints and Disputes

The nature of complaints and disputes is depicted in **Figure 30**. The complaints and disputes related to damage to property have the highest number.

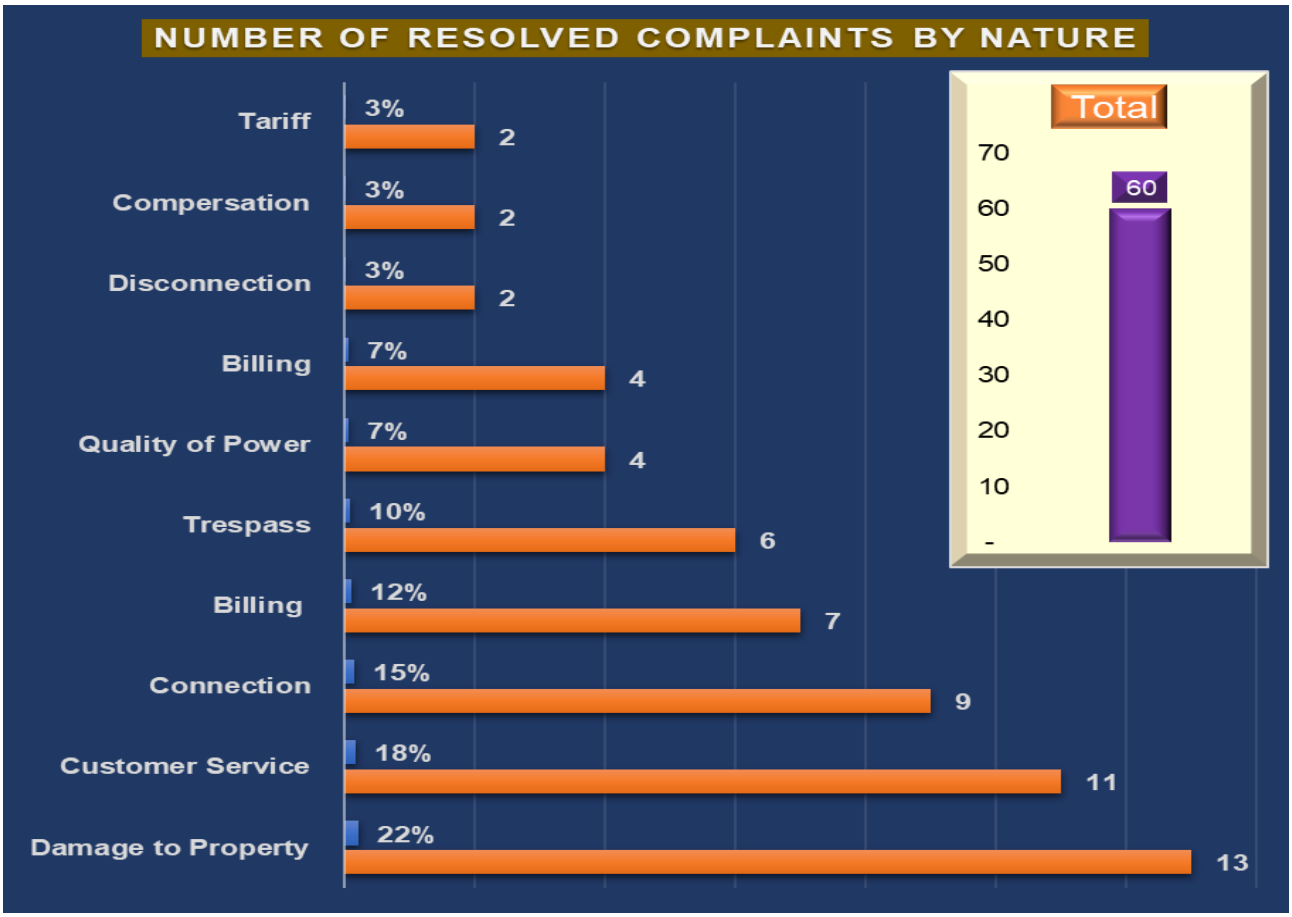


Figure 30: Nature of Complaint During FY2024/2025

4. ELECTRICITY DEMAND

The demand is contributed mainly by large customers and domestic uses. It includes the gross demand, which encompasses the main grid, off-grid, and captive loads, as depicted in **Figure 31**.

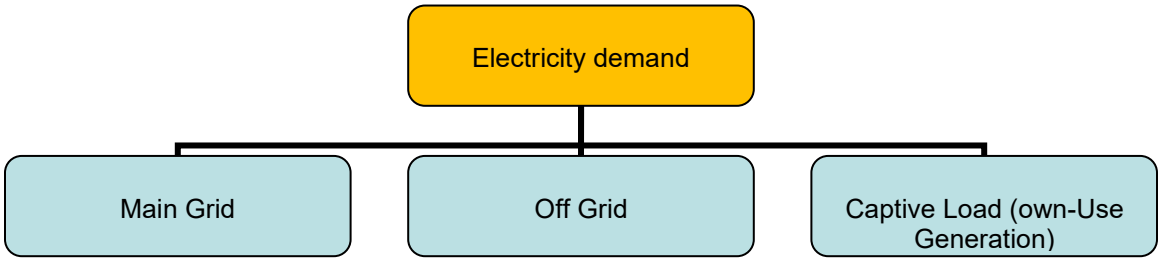
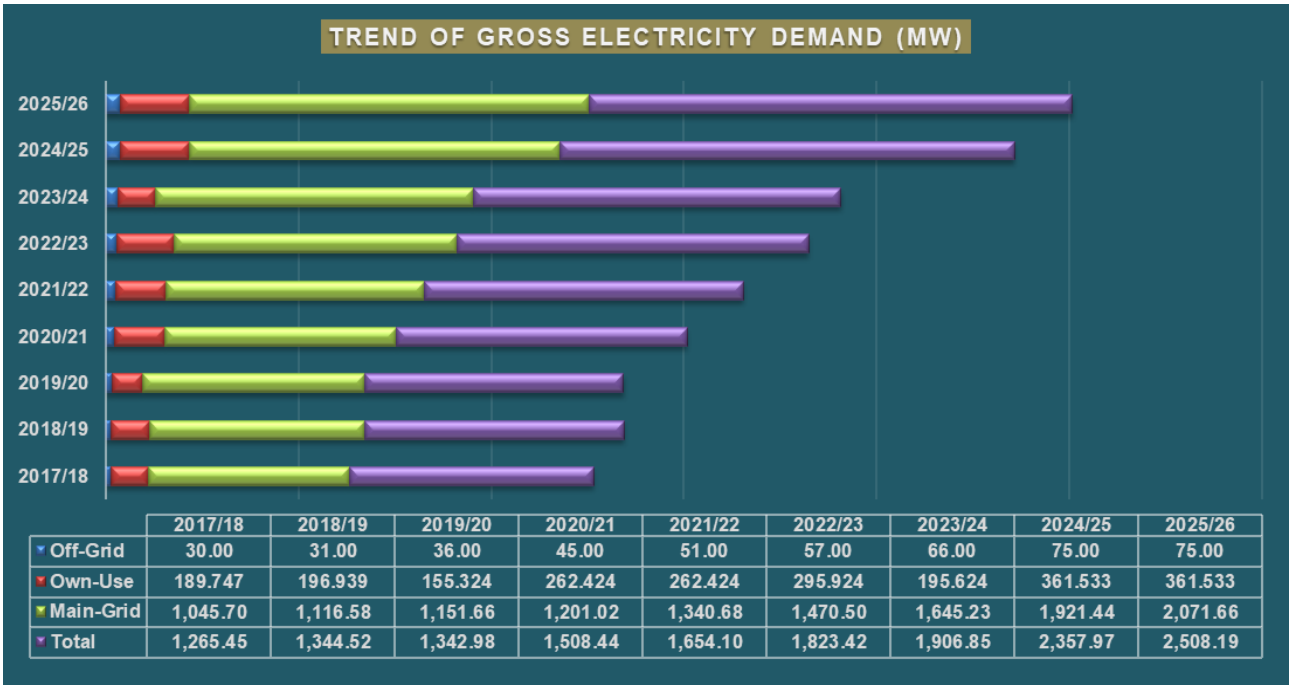


Figure 31: Electricity Demand

4.1 Gross Electricity Demand

The gross demand reached 2,508.19 MW, being an increase of 150.22 MW (6.37%) from 2,357.97 MW in FY 2024/2025, as shown in **Figure 32**. The growth is attributed to increased electricity accessibility and connectivity from 67.5% and 32.8% in June 2017 to 78.4% and 37.7% as of July 2020, respectively. It is also due to an increase in the security of electricity supply driven by growth in socio-economic activities, as depicted by the installed capacity in **Figure 35**.



	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26
Off-Grid	30.00	31.00	36.00	45.00	51.00	57.00	66.00	75.00	75.00
Own-Use	189.747	196.939	155.324	262.424	262.424	295.924	195.624	361.533	361.533
Main-Grid	1,045.70	1,116.58	1,151.66	1,201.02	1,340.68	1,470.50	1,645.23	1,921.44	2,071.66
Total	1,265.45	1,344.52	1,342.98	1,508.44	1,654.10	1,823.42	1,906.85	2,357.97	2,508.19

Figure 32: Trend of Electricity Demand (MD)

4.2 Main Grid Electricity Demand

The demand in the main grid reached 2,071.66 MW, as depicted in **Figure 33**. It indicates an increase of 150.22 MW (7.82%) from 1,921.44 MW in FY 2024/2025.

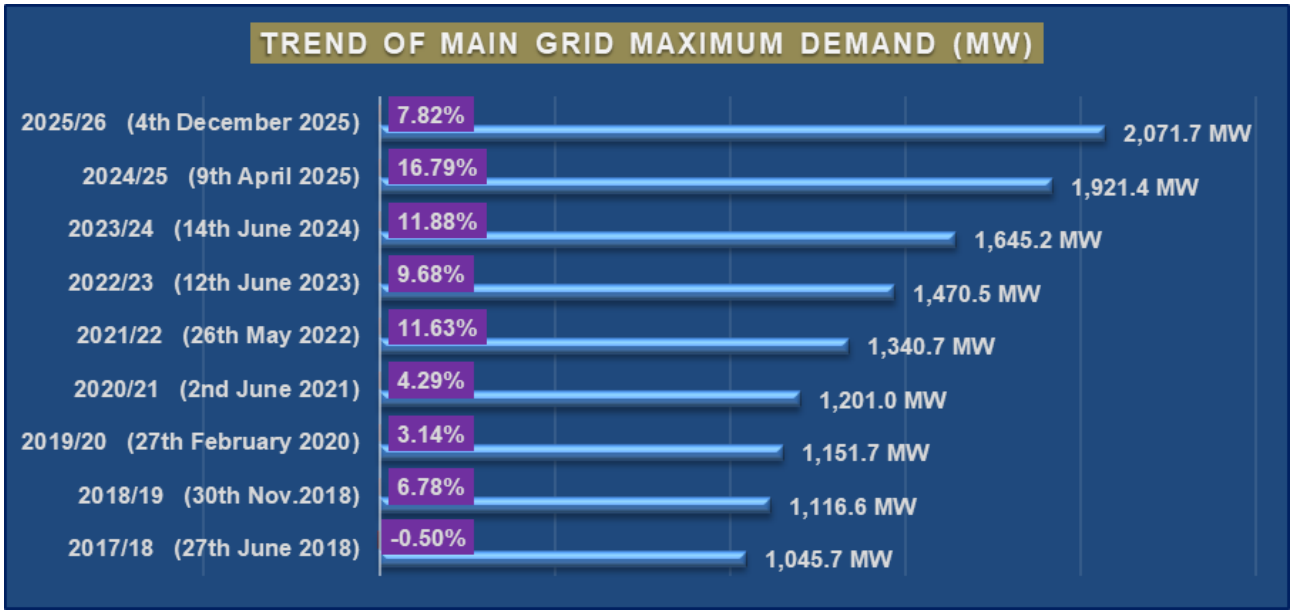


Figure 33: Trend of Main Grid Maximum Demand

5. ELECTRICITY GENERATION

Electricity generation performance is analyzed based on entities licensed to undertake regulated electricity generation activities. It covers areas described in **Figure 34**.

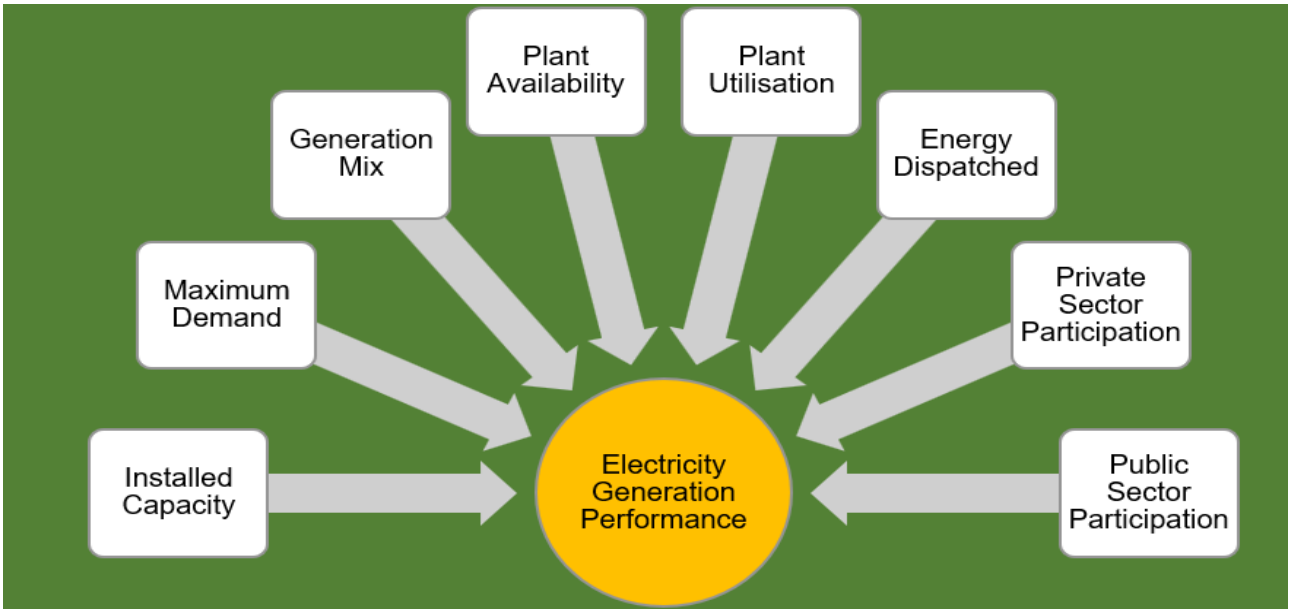


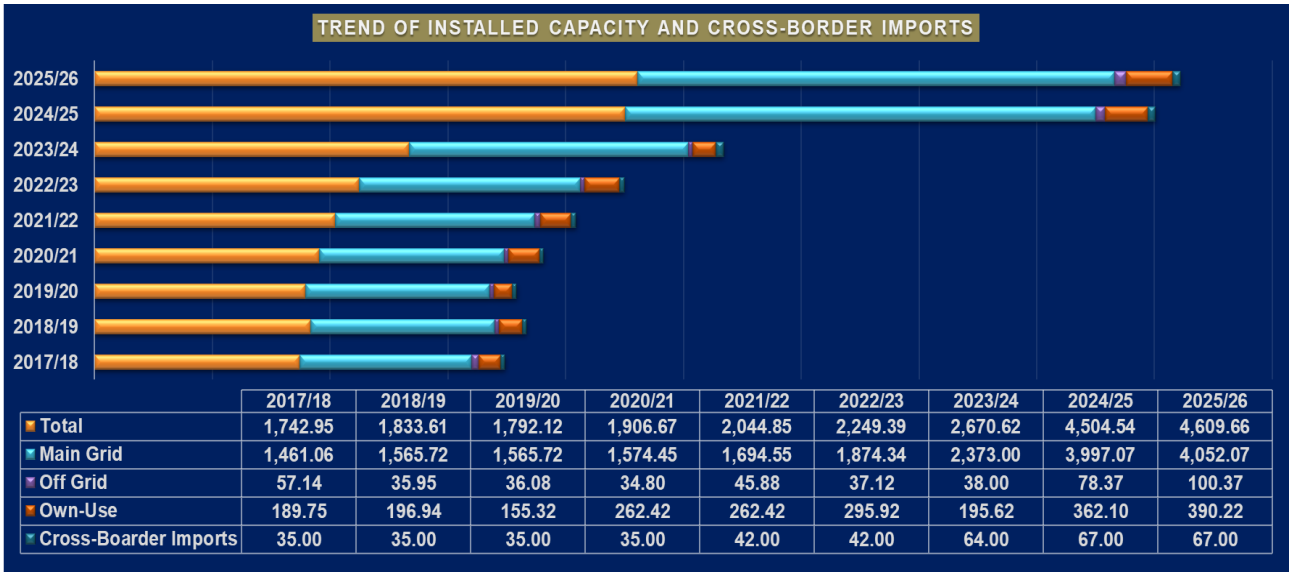
Figure 34: Description of Electricity Generation Performance

5.1 Installed Capacity

The installed capacity presented in this report includes capacity from cross-border electricity trade. It is described by grid, ownership and energy source.

5.1.1 Installed Capacity by Grid

The installed capacity including cross-border imports reached 4,609.66 MW in FY2025/26, as in **Figure 35**. It increased by 105.12 MW (2.33%) from 4,504.54 MW in the FY2024/25 period**.** Details are in **Annex 10**.



	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26
Total	1,742.95	1,833.61	1,792.12	1,906.67	2,044.85	2,249.39	2,670.62	4,504.54	4,609.66
Main Grid	1,461.06	1,565.72	1,565.72	1,574.45	1,694.55	1,874.34	2,373.00	3,997.07	4,052.07
Off Grid	57.14	35.95	36.08	34.80	45.88	37.12	38.00	78.37	100.37
Own-Use	189.75	196.94	155.32	262.42	262.42	295.92	195.62	362.10	390.22
Cross-Boarder Imports	35.00	35.00	35.00	35.00	42.00	42.00	64.00	67.00	67.00

Figure 35: Trend in Installed Capacity

5.1.2 Installed Capacity by Ownership

TANESCO contributes 3,906.44 MW (84.74%) to the total installed capacity of 4,609.66 MW in FY2025/26. Other entities contribute 703.22 MW (15.26%), as depicted in **Table 2**.

Table 2: Installed Capacity by Ownership

DESCRIPTION	ENTITY DESCRIPTION AND CROSS BOARDER IMPORTS	CAPACITY (MW)	CONTRIBUTION (%)	
Main Grid for Sale	TANESCO	3,808.28	93.98%	87.90%
	Large Power Producer - Private Entities (≥10MW)	189.00	4.66%	
	Small Power Producer - Private Entities ((>0.1MW & ≤10MW &)	54.79	1.35%	
	Very Small Power Producer - Private Entities (≥0.15 MW& ≤0.1MW)	-	0.00%	
	Total	**4,052.07**	**100.00%**	
Off Grid for Sale	TANESCO	98.16	97.80%	2.18%
	Large Power Producer - Private Entities (≥10MW)	-	0.00%	
	Small Power Producer - Private Entities ((>0.1MW & ≤10MW &)	-	0.00%	
	Very Small Power Producer - Private Entities (≥0.15 MW& ≤0.1MW)	2.21	2.20%	
	Total	**100.37**	**100.00%**	
Own-Use	Private Entities	367.16	94.09%	8.47%
	Public Entities	23.06	5.91%	
	Total	**390.22**	**100.00%**	
Cross-Border Import	ZAMBIA (MBALA - 66kV)	20.00	0.43%	1.45%
	UGANDA (MASAKA - 132kV)	36.00	0.78%	
	UGANDA (KIKAGATI PLANT-33kV)	7.00	0.15%	
	KENYA (ISINYA-400kV)	4.00	0.09%	
	Total	**67.00**	**301.45%**	
Total	TANESCO	3,906.44	84.74%	100.00%
	Large Power Producer - Private Entities (≥10MW)	189.00	4.10%	
	Small Power Producer - Private Entities ((>0.1MW & ≤10MW &)	54.79	1.19%	
	Very Small Power Producer - Private Entities (≥0.15 MW& ≤0.1MW)	2.77	0.06%	
	Own-Use	389.65	8.45%	
	Cross-Border Import	67.00	1.45%	
	Total	**4,609.66**	**100.00%**	

Source: *EWURA*

5.1.3 Installed Capacity by Fuel Source, including Cross-Border imports

Hydro contributes 59.05%. Others include Natural Gas, GO/HFO/DO, Biomass, Cross-Border trade, Coal, Solar, and Wind, as depicted in **Table 3**.

Table 3: Installed Capacity by Fuel Source

DESCRIPTION	FUEL TYPE AND CROSS-BORDER IMPORTS	CAPACITY (MW)	CONTRIBUTION (%)	
Main Grid for Sale	Hydro	2,722.00	67.18%	87.90%
	Natural Gas	1,140.72	28.15%	
	GO/HFO/DO	103.05	2.54%	
	Biomass	18.90	0.47%	
	Wind	2.40	0.06%	
	Solar	65.00	1.60%	
	Coal	-	0.00%	
	Total	**4,052.07**	**100.00%**	
Off-Grid for Sale	Hydro	-	0.00%	2.18%
	Natural Gas	77.90	77.62%	
	GO/HFO/DO	20.26	20.19%	
	Biomass	-	0.00%	
	Wind	-	0.00%	
	Solar	2.21	2.20%	
	Coal	-	0.00%	
	Total	**100.37**	**100.00%**	
Own-Use	Hydro	-	0.00%	8.47%
	Natural Gas	85.96	22.03%	
	GO/HFO/DO	144.04	36.91%	
	Biomass	114.59	29.37%	
	Wind	-	0.00%	
	Solar	0.23	0.06%	
	Coal	45.40	11.63%	
	Total	**390.22**	**100.00%**	
Cross-Border Import	ZAMBIA (MBALA - 66kV)	20.00	5.13%	1.45%
	UGANDA (MASAKA - 132kV)	36.00	9.23%	
	UGANDA (KIKAGATI PLANT-33kV)	7.00	1.79%	
	KENYA (ISINYA-400kV)	4.00	1.03%	
	Total	**67.00**	**128.86%**	
Total	Hydro	2,722.00	59.05%	100.00%
	Natural Gas	1,304.58	28.30%	
	GO/HFO/DO	267.35	5.80%	
	Biomass	133.49	2.90%	
	Wind	2.40	0.05%	
	Solar	67.44	1.46%	
	Coal	45.40	0.98%	
	Cross-Boarder	67.00	1.45%	
	Total	**4,609.66**	**100.00%**	

Source: *EWURA*

5.2 Reserve Margin

The reserve margin in the main grid reached 49.36%, as depicted in **Figure 36**. This indicates that the peak demand in the main grid was 49.36% of the installed capacity, which is also within a target of >15%.

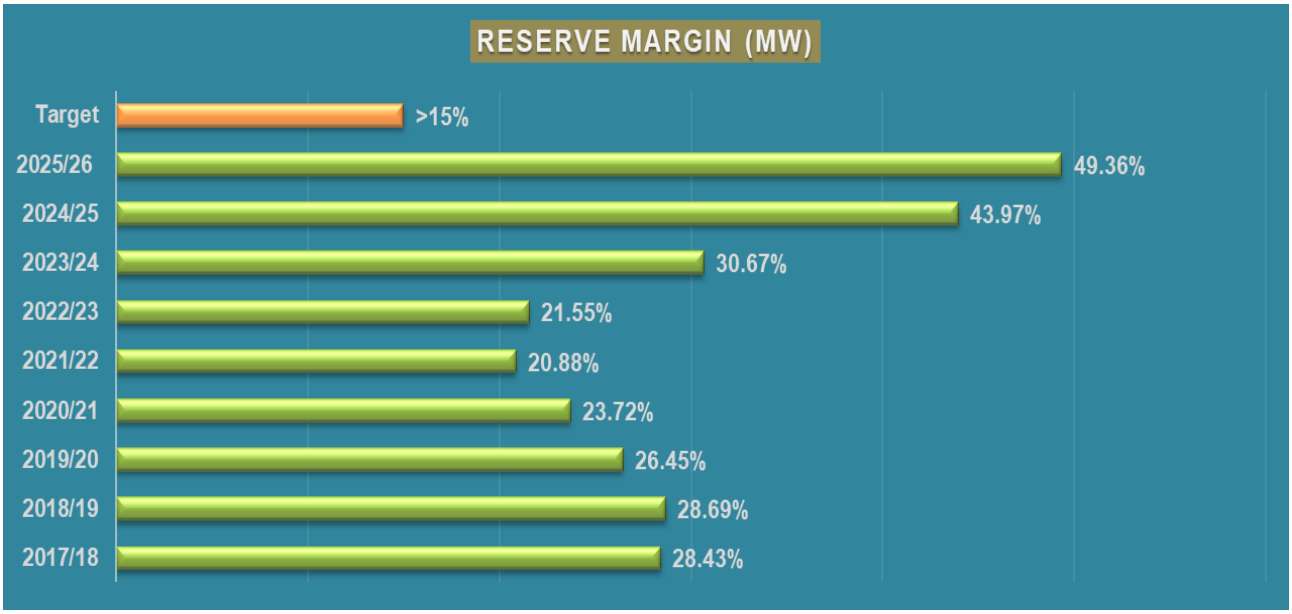


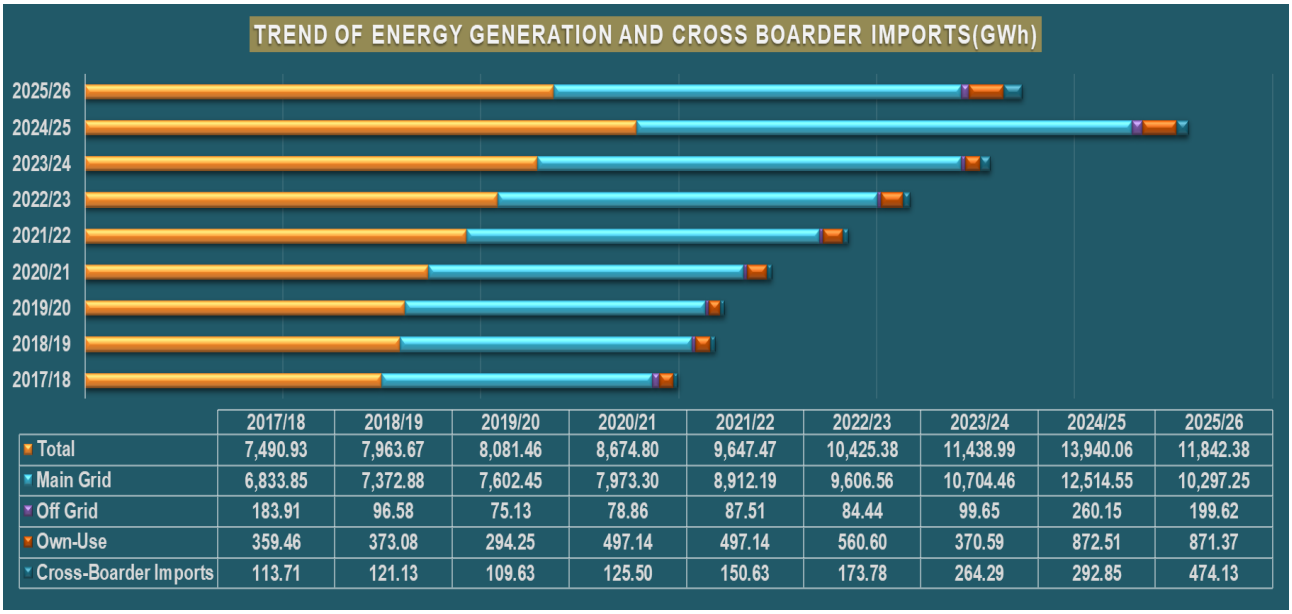
Figure 36: Reserve Margin

5.3 Energy Generation and Cross-Border Imports

The energy generation presented in this report includes capacity from cross-border electricity trade. It is described by grid, ownership and energy source.

5.3.1 Energy Generation by Grid

The energy generation and cross-border imports reached 11,842.38 GWh as in **Figure 37**. The power plants within the country contributed 11,368.25 GWh (96.00%), and cross-border imports accounted for 474.13 GWh (4.00%). Details for FY2025/26 are in **Annex 10**.



	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26
Total	7,490.93	7,963.67	8,081.46	8,674.80	9,647.47	10,425.38	11,438.99	13,940.06	11,842.38
Main Grid	6,833.85	7,372.88	7,602.45	7,973.30	8,912.19	9,606.56	10,704.46	12,514.55	10,297.25
Off Grid	183.91	96.58	75.13	78.86	87.51	84.44	99.65	260.15	199.62
Own-Use	359.46	373.08	294.25	497.14	497.14	560.60	370.59	872.51	871.37
Cross-Boarder Imports	113.71	121.13	109.63	125.50	150.63	173.78	264.29	292.85	474.13

Figure 37: Trend in Energy Generation and Cross-Border Imports

5.3.2 Energy Generation by Ownership

TANESCO contributes 87.75% of the total in FY2025/26, as depicted in **Table 4**. Others include own use (captive load), private large power producers, cross-border imports, private small power producers, and Private Very Small Power Producers.

Table 4: Energy Generation by Ownership and Cross-Border Imports

DESCRIPTION	ENTITY DESCRIPTION AND CROSS BOARDER IMPORTS	ENERGY (GWh)	CONTRIBUTION (%)	
Main Grid for S	TANESCO	10,195.35	99.01%	86.96%
	Large Power Producer - Private Entities (≥10MW)	-	0.00%	
	Small Power Producer - Private Entities ((>0.1MW & ≤10MW &)	101.91	0.99%	
	Very Small Power Producer - Private Entities (≥0.15 MW& ≤0.1MW)	-	0.00%	
	Total	**10,297.25**	**100.00%**	
Off Grid for Sa	TANESCO	195.18	97.77%	1.69%
	Large Power Producer - Private Entities (≥10MW)	-	0.00%	
	Small Power Producer - Private Entities ((>0.1MW & ≤10MW &)	-	0.00%	
	Very Small Power Producer - Private Entities (≥0.15 MW& ≤0.1MW)	4.44	2.23%	
	Total	**199.62**	**100.00%**	
Own-Use	Private Entities	858.38	98.38%	7.37%
	Public Entities	14.14	1.62%	
	Total	**872.51**	**100.00%**	
Cross-Border I	ZAMBIA (MBALA - 66kV)	55.73	0.47%	4.00%
	UGANDA (MASAKA - 132kV)	104.60	0.88%	
	UGANDA (KIKAGATI PLANT-33kV)	46.20	0.39%	
	KENYA (ISINYA-400kV)	267.59	2.26%	
	Total	**474.13**	**304.00%**	
Total	TANESCO	10,390.53	87.75%	100.02%
	Large Power Producer - Private Entities (≥10MW)	-	0.00%	
	Small Power Producer - Private Entities ((>0.1MW & ≤10MW &)	99.91	0.84%	
	Very Small Power Producer - Private Entities (≥0.15 MW& ≤0.1MW)	5.58	0.05%	
	Own-Use	871.37	7.36%	
	Cross-Border Import	474.13	4.00%	
	Total	**11,841.52**	**100.00%**	

Source: *TANESCO and EWURA*

5.3.3 Energy Generation by Fuel Source, including Cross-Border imports

Hydro contributes 58.99% of the total energy generated (including cross-border imports) in FY2025/26, as depicted in **Table 3**. Others include Natural Gas, liquid fuel, Biomass, Cross-Border, Coal, Solar, and Wind.

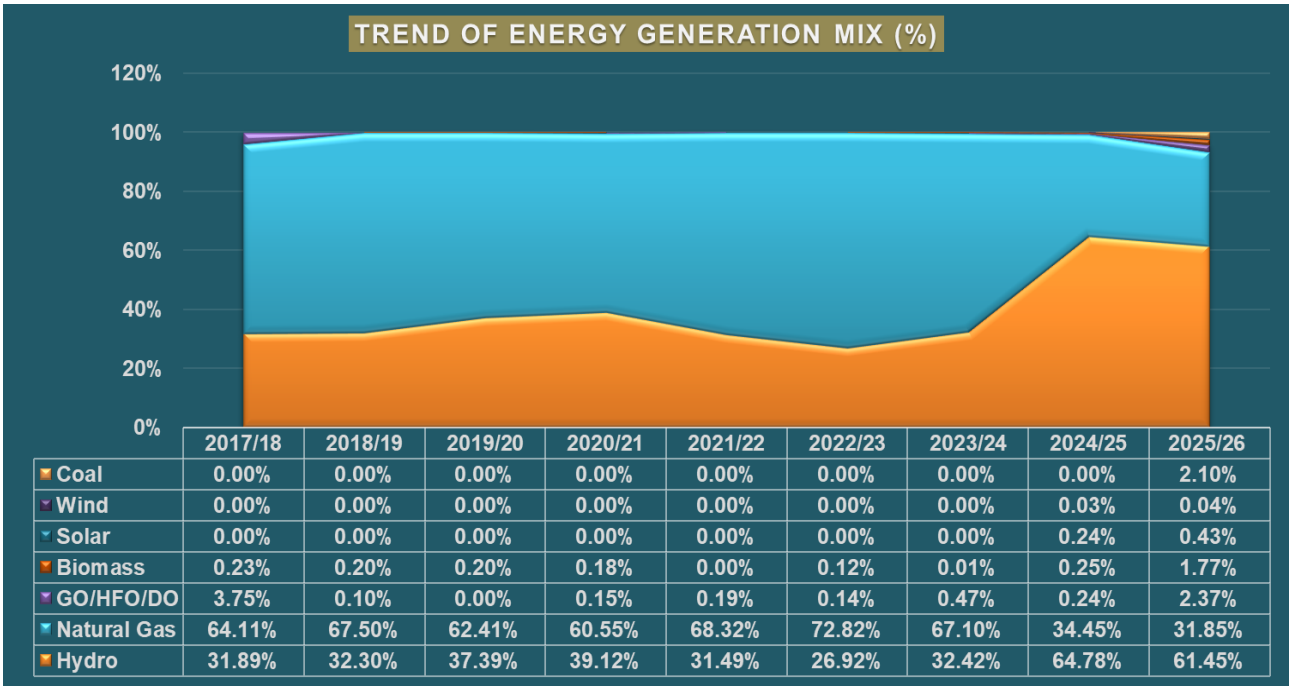
Table 5: Electricity Generation by Fuel, including Cross-Border imports

DESCRIPTION	FUEL TYPE AND CROSS-BORDER IMPORTS	ENERGY (GWh)	CONTRIBUTION (%)	
Main Grid for Sale	Hydro	6,986.14	67.84%	86.94%
	Natural Gas	3,219.28	31.26%	
	GO/HFO/DO	11.42	0.11%	
	Biomass	31.94	0.31%	
	Wind	4.36	0.04%	
	Solar	44.11	0.43%	
	Coal	-	0.00%	
	Total	**10,297.25**	**100.00%**	
Off-Grid for Sale	Hydro	-	0.00%	1.69%
	Natural Gas	173.84	87.08%	
	GO/HFO/DO	21.34	10.69%	
	Biomass	-	0.00%	
	Wind	-	0.00%	
	Solar	4.44	2.23%	
	Coal	-	0.00%	
	Total	**199.62**	**100.00%**	
Own-Use	Hydro	-	0.00%	7.37%
	Natural Gas	227.56	26.08%	
	GO/HFO/DO	236.39	27.09%	
	Biomass	169.66	19.44%	
	Wind	-	0.00%	
	Solar	0.46	0.05%	
	Coal	238.44	27.33%	
	Total	**872.51**	**100.00%**	
Cross-Border Import	ZAMBIA (MBALA - 66kV)	55.73	6.39%	4.00%
	UGANDA (MASAKA - 132kV)	104.60	11.99%	
	UGANDA (KIKAGATI PLANT-33kV)	46.20	5.30%	
	KENYA (ISINYA-400kV)	267.59	30.67%	
	Total	**474.13**	**181.72%**	
Total Generation Mix	Hydro	6,986.14	58.99%	100.00%
	Natural Gas	3,620.67	30.57%	
	GO/HFO/DO	269.15	2.27%	
	Biomass	201.60	1.70%	
	Wind	4.36	0.04%	
	Solar	49.02	0.41%	
	Coal	238.44	2.01%	
	Cross-Boarder	474.13	4.00%	
	Total	**11,843.52**	**100.00%**	

Source: *EWURA*

5.4 Energy Generation Mix

Hydro contributed 61.45% of the generation mix in FY2025/26, being the highest of all other fuel sources, as depicted in **Figure 38.** Other fuel sources' contributions include natural gas (31.85%), liquid fuel (2.37%), coal (2.10%), biomass (1.77%), solar (0.43%), and wind (0.04%).

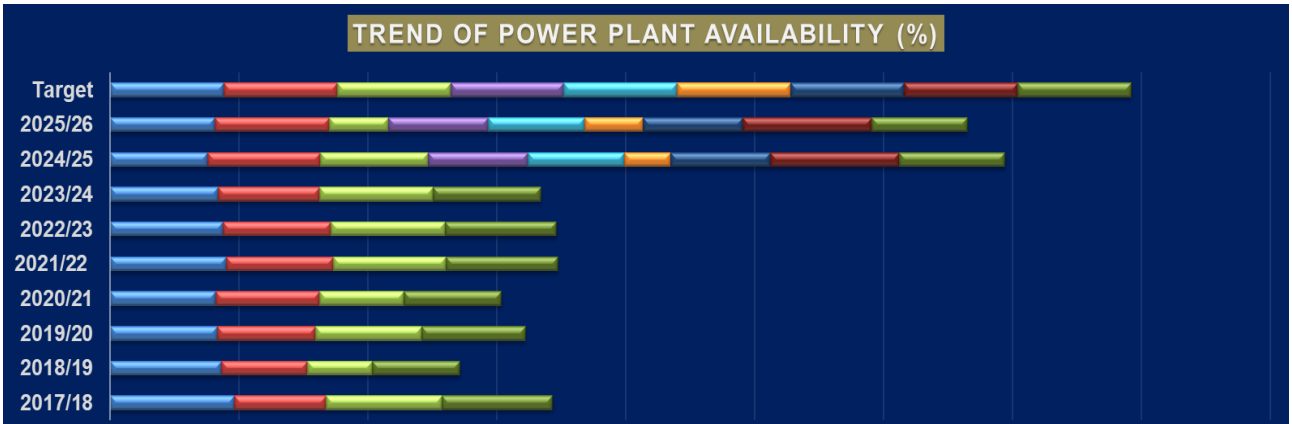


	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26
Coal	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	2.10%
Wind	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.03%	0.04%
Solar	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.24%	0.43%
Biomass	0.23%	0.20%	0.20%	0.18%	0.00%	0.12%	0.01%	0.25%	1.77%
GO/HFO/DO	3.75%	0.10%	0.00%	0.15%	0.19%	0.14%	0.47%	0.24%	2.37%
Natural Gas	64.11%	67.50%	62.41%	60.55%	68.32%	72.82%	67.10%	34.45%	31.85%
Hydro	31.89%	32.30%	37.39%	39.12%	31.49%	26.92%	32.42%	64.78%	61.45%

Figure 38: Trend of Energy Generation Mix (%)

5.5 Availability of Power Plants

Power plant availability in FY2025/26 reached 73.88 as **Figure 39** and details in **Annex 10**. The performance is below the target of >88. Efforts are underway to ensure the power plants are maintained.

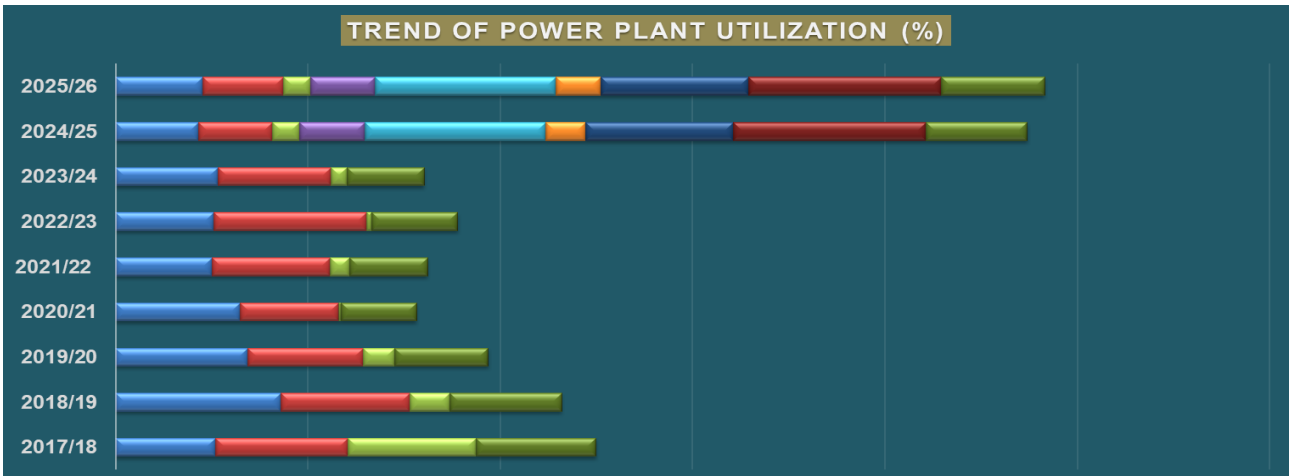


	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26	Target
Hydro	96.20	86.00	82.85	81.62	90.09	87.29	83.51	75.74	81.04	88.00
Natural Gas	71.41	67.00	76.28	81.00	82.93	84.07	78.87	87.31	89.10	88.00
Liquid Fuel	89.77	50.51	82.29	64.91	87.37	88.23	88.06	83.57	45.61	88.00
Biomass								77.25	77.67	88.00
Wind								75.00	75.00	88.00
Solar								35.67	45.09	88.00
Coal								77.50	77.50	88.00
Cross-Boarder								100.00	100.00	88.00
Avarage	85.79	67.84	80.47	75.84	86.80	86.53	83.48	82.20	73.88	88.00

Figure 39: Power Plant Availability (%)

5.6 Power Plants Utilization

The power plant utilization in FY2025/26 reached 53.67% as in **Figure 40**. Details are in **Annex 10**.



	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26
Hydro	51.997	86.00	68.92	64.87	50.44	51.36	53.31	43.15	45.50
Natural Gas	69.026	67.00	59.91	51.32	61.27	79.17	58.75	38.68	41.72
Liquid Fuel	66.333	21.00	16.55	1.13	9.97	2.89	8.38	14.11	14.18
Biomass								33.79	33.79
Wind								94.00	94.00
Solar								20.74	23.17
Coal								77.00	77.00
Cross-Boarder								100.00	100.00
Avarage	62.45	58.00	48.46	39.11	40.56	44.47	40.15	52.68	53.67

Figure 40: Power Plant Utilization (%)

6. ELECTRICITY TRANSMISSION

The performance is analyzed based on entities licensed to undertake regulated electricity transmission activities. It covers areas described in **Figure 41**. TANESCO was the only entity with a licence for electricity transmission activities.

Figure 41: Description of Electricity Transmission Performance

6.1 Electricity Transmission Infrastructure

The infrastructure includes the transmission lines and respective substations. Their respective voltage levels are 400kV, 220kV, 132kV and 66kV.

6.1.1 Transmission Line Route Length

The line route length reached 8,303.87km in FY2025/2026, as indicated in **Figure 42**. Details are in **Annex 11**.

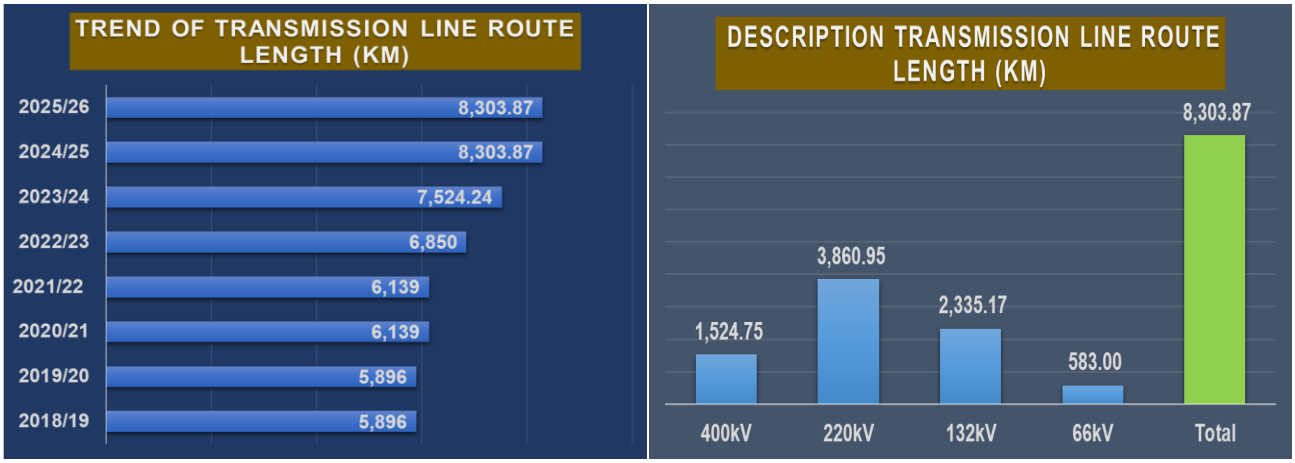


Figure 42: Length of Transmission Line Route Length

6.1.2 Transmission Substation

The number of grid substations reached 72 in FY 2025/2026, as in **Figure 43**. Likewise, its respective capacity reached 10,226.7,631.30 MVA. Details are in **Annex 12**.

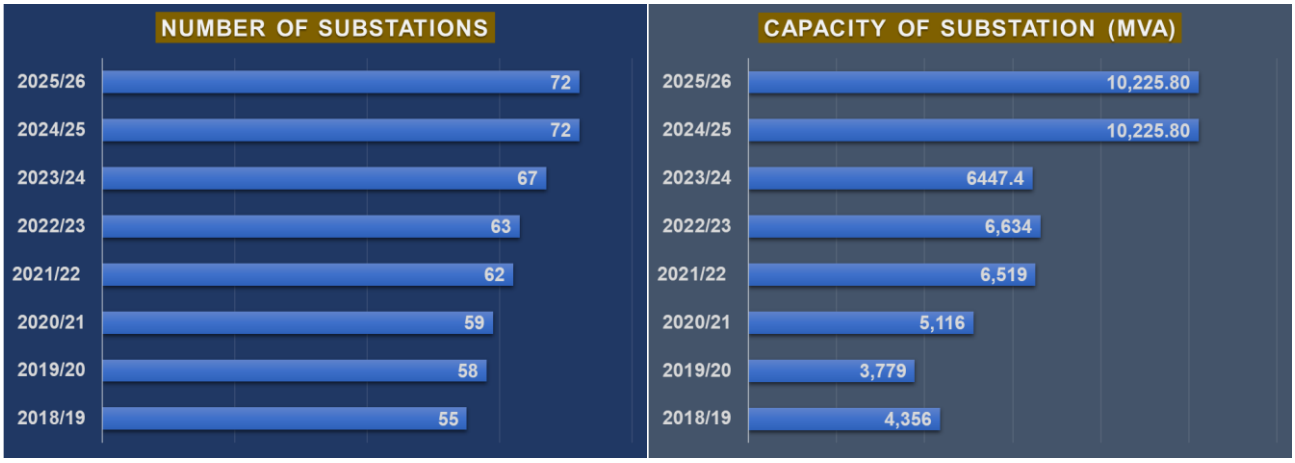


Figure 43: Number and Capacity of Substation

6.2 Customers Connected to Transmission Infrastructure

Seven (7) customers were connected to the transmission network in FY2025/26 as depicted in **Figure 44**. It includes customers connected at 220kV and 132kV.

Customers Connected To The Electricity Transmission Network						
Bulyanhulu Gold Mine (220kV)	Zanzibar Electricity Corporation (132kV)	Tanganyika Portland Cement (132kV)	Tanga Cement (132kV)	Rhino Cement (132kV)	Nyamongo Gold Mine (132kV)	Buzwagi Gold Mine (132kV)

Figure 44: Customers Connected to The Transmission Infrastructure

6.3 Reliability of Electricity Transmission Infrastructure

The performance was analyzed using two indices. These are the System Average Interruption Frequency Index at Connection Point ($SAIFI_{CP}$) and the System Average Interruption Duration Index (SAIDI-CP), as shown in **Figure 45**.

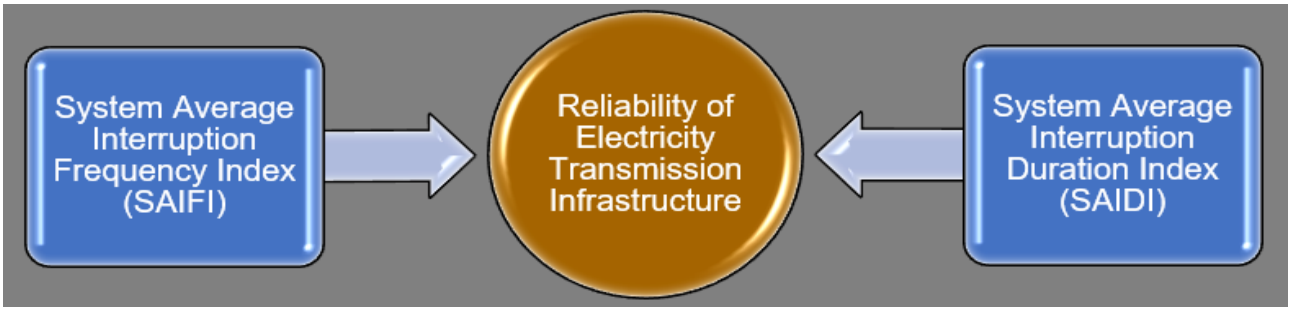


Figure 45: Description of Electricity Transmission Infrastructure Reliability Indices

6.3.1 The System Average Interruption Frequency Index at Connection Point

The system Average Interruption Frequency Index at Connection Point ($SAIFI_{CP}$) was 4.8 in FY2025/26 and within a target of <10 outage frequency as in **Figure 46**. The average transmission line outage frequency is 1.78 and within a target of <4.57.

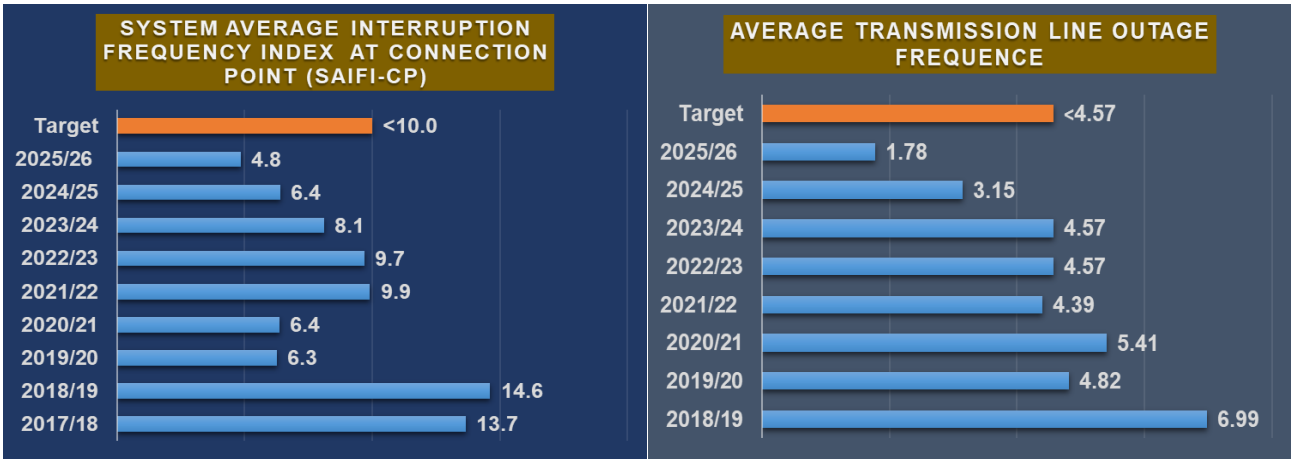


Figure 46: System Average Interruption Frequency Index at Connection Point

6.3.2 The System Average Interruption Duration Index at Connection Point

The system Average Interruption Duration Index at Connection Point ($SAIDI_{CP}$) was 2.3 hours in FY2025/26, and within a target of <6.5 hours as in **Figure 47**. Likewise, the average transmission line outage duration was 28.27 minutes and within a target of <1,533.

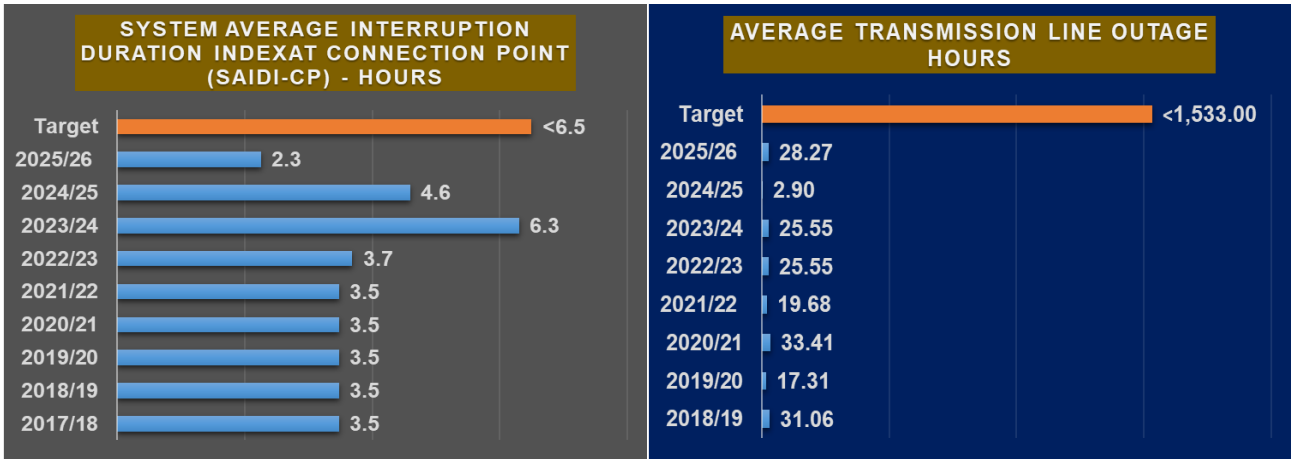
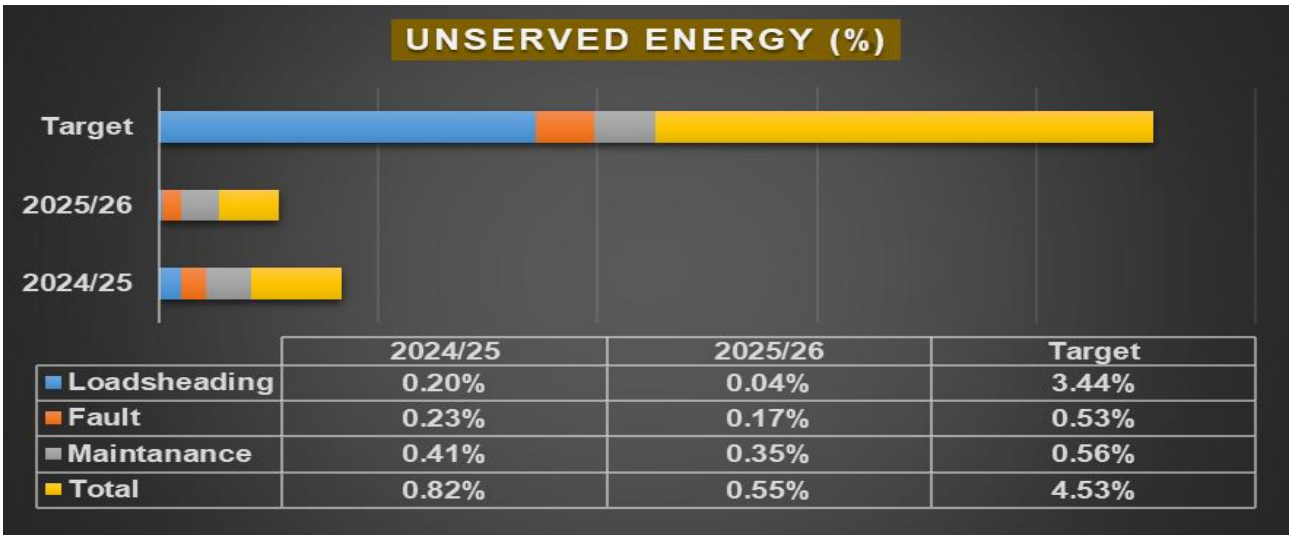


Figure 47: System Average Interruption Duration Index at Connection Point

6.4 Unserved Energy

The total unserved energy in FY 2025/26 was 0.55% of the total energy generated, as in **Figure 48**. The performance is within a target of <4.53%. The unserved energy was due to load shedding, faults, and maintenance, which were also within the respective targets.



	2024/25	2025/26	Target
Loadsheading	0.20%	0.04%	3.44%
Fault	0.23%	0.17%	0.53%
Maintanance	0.41%	0.35%	0.56%
Total	0.82%	0.55%	4.53%

Figure 48: Unserved Energy

7. ELECTRICITY DISTRIBUTION

Electricity distribution performance is analyzed based on entities licensed or registered for regulated electricity distribution activities. It covers areas described in **Figure 49**.

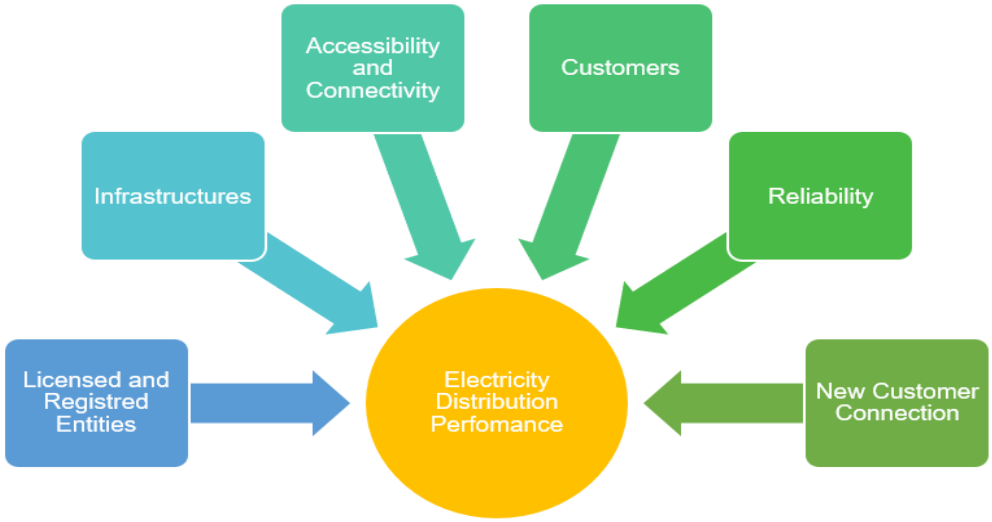
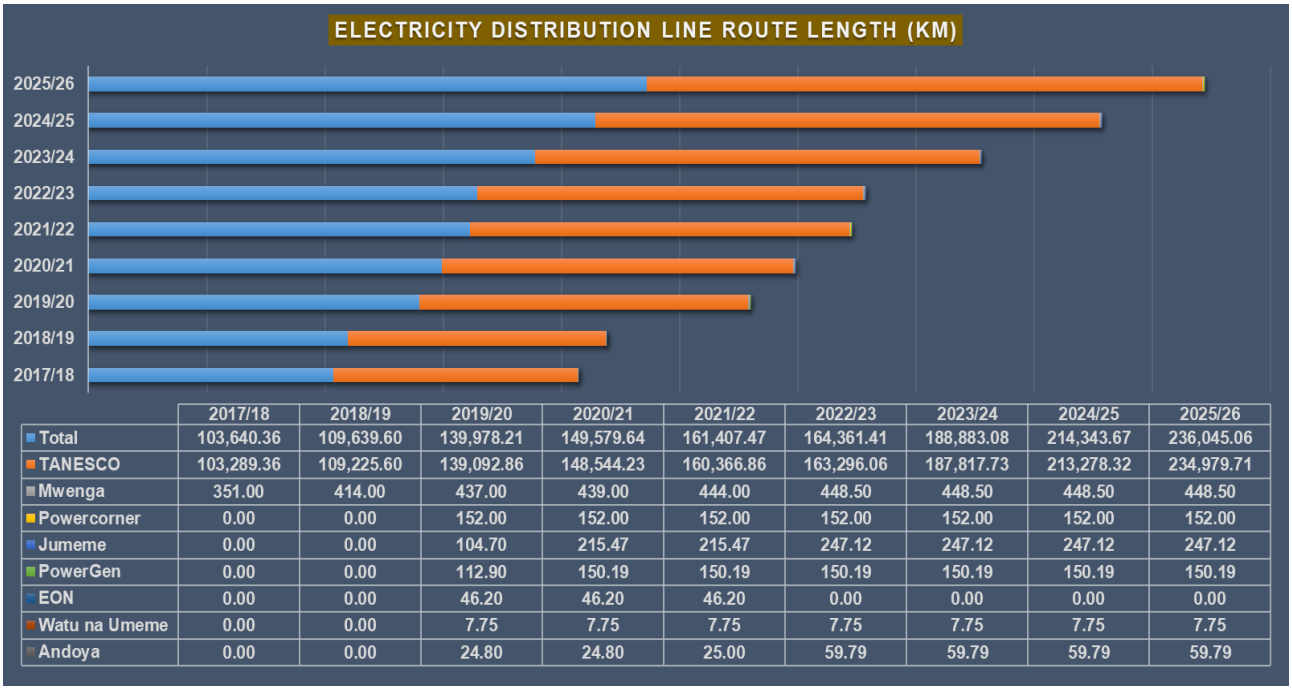


Figure 49: Description of Electricity Distribution Performance

7.1 Infrastructure

The line length reached 236,045.06 km in FY2025/26 as in **Figure 50**. TANESCO contributed 234,979.71 km (99.55%) of the total length. Apart from TANESCO, Mwenga is also a licensed entity. Others are the registered entities.

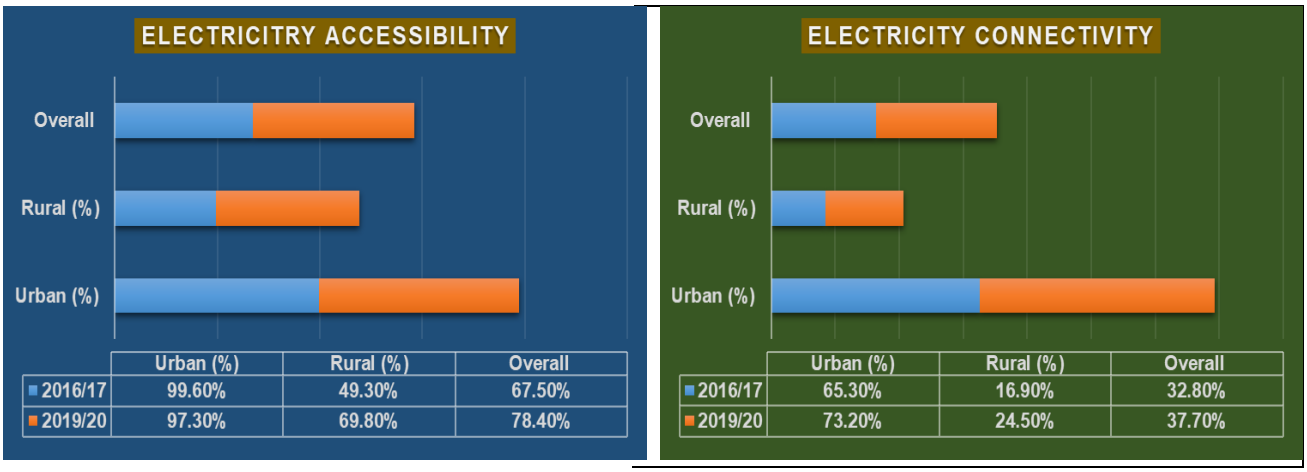


	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26
Total	103,640.36	109,639.60	139,978.21	149,579.64	161,407.47	164,361.41	188,883.08	214,343.67	236,045.06
TANESCO	103,289.36	109,225.60	139,092.86	148,544.23	160,366.86	163,296.06	187,817.73	213,278.32	234,979.71
Mwenga	351.00	414.00	437.00	439.00	444.00	448.50	448.50	448.50	448.50
Powercorner	0.00	0.00	152.00	152.00	152.00	152.00	152.00	152.00	152.00
Jumeme	0.00	0.00	104.70	215.47	215.47	247.12	247.12	247.12	247.12
PowerGen	0.00	0.00	112.90	150.19	150.19	150.19	150.19	150.19	150.19
EON	0.00	0.00	46.20	46.20	46.20	0.00	0.00	0.00	0.00
Watu na Umeme	0.00	0.00	7.75	7.75	7.75	7.75	7.75	7.75	7.75
Andoya	0.00	0.00	24.80	24.80	25.00	59.79	59.79	59.79	59.79

Figure 50: Electricity Distribution Line Length

7.2 Electrification

The overall electricity accessibility increased from 67.5% in FY 2016/17 to 78.4% in FY 2019/20, as in **Figure 51**. Likewise, connectivity increased from 32.8% in FY 2016/17 to 37.7% in FY 2019/20. Studies are going on to establish the current status.



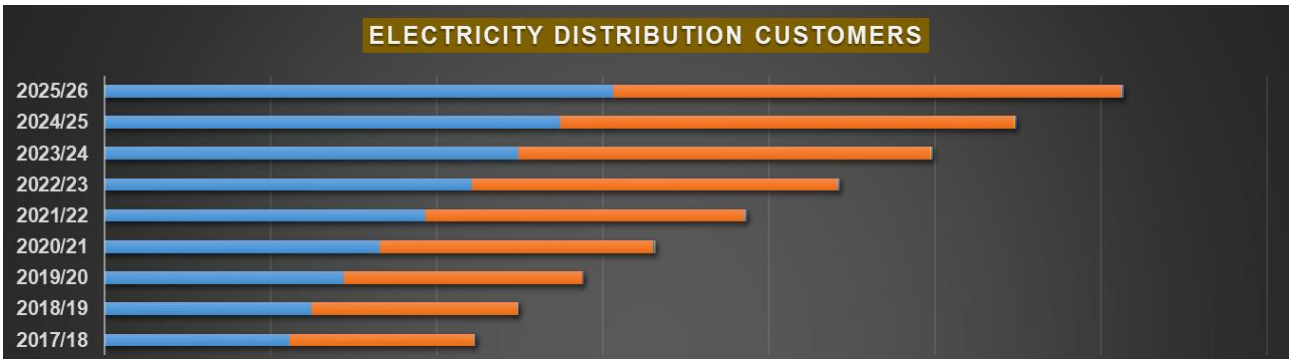
	Urban (%)	Rural (%)	Overall
2016/17	99.60%	49.30%	67.50%
2019/20	97.30%	69.80%	78.40%

	Urban (%)	Rural (%)	Overall
2016/17	65.30%	16.90%	32.80%
2019/20	73.20%	24.50%	37.70%

Figure 51: Electricity Accessibility and Connectivity

7.3 Customers

Customers connected to the distribution network 6,131,695 in FY2025/26, as in **Figure 52**. TANESCO accounts for 6,106,714 customers, equivalent to 99.59% of the total customers.



	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26
Total	2,226,559	2,488,158	2,879,945	3,312,705	3,864,827	4,422,940	4,982,259	5,485,676	6,131,695
TANESCO	2,223,638	2,484,202	2,864,560	3,290,490	3,842,096	4,400,070	4,957,278	5,460,695	6,106,714
Mwenga	2,921	3,956	4,591	5,105	5,621	5,636	7,269	7,269	7,269
Powercorner	0	0	3,011	3,013	3,013	3,013	3,013	3,013	3,013
Jumeme	0	0	4,874	9,860	9,860	10,460	10,938	10,938	10,938
PowerGen	0	0	2,177	3,227	3,227	3,227	3,227	3,227	3,227
EON	0	0	476	476	476	-	-	-	-
Watu na Umeme	0	0	256	256	256	256	256	256	256
Andoya	0	0	-	278	278	278	278	278	278

Figure 52: Electricity Distribution Customers

7.4 Reliability Of Electricity Supply

Three indices in **Figure 53** assessed the reliability of electricity supply in line with TZS 1374:2011 (Power quality–Quality of service and reliability) standard in the main grid and off-grid. The assessment was conducted for two licensed entities for electricity distribution activities presented in **Figure 53**.

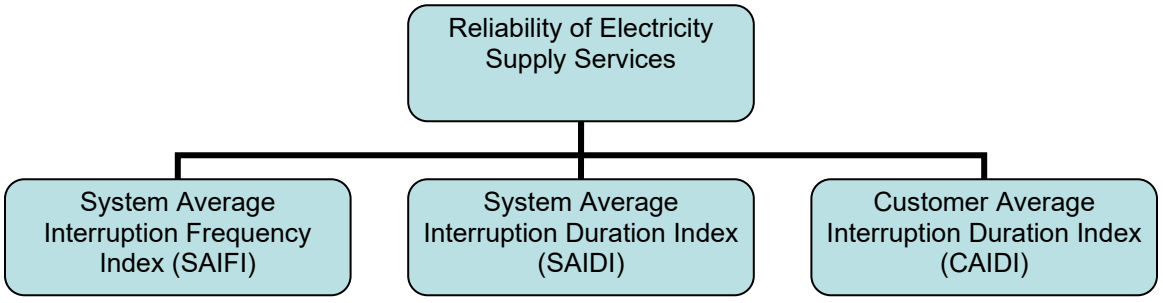
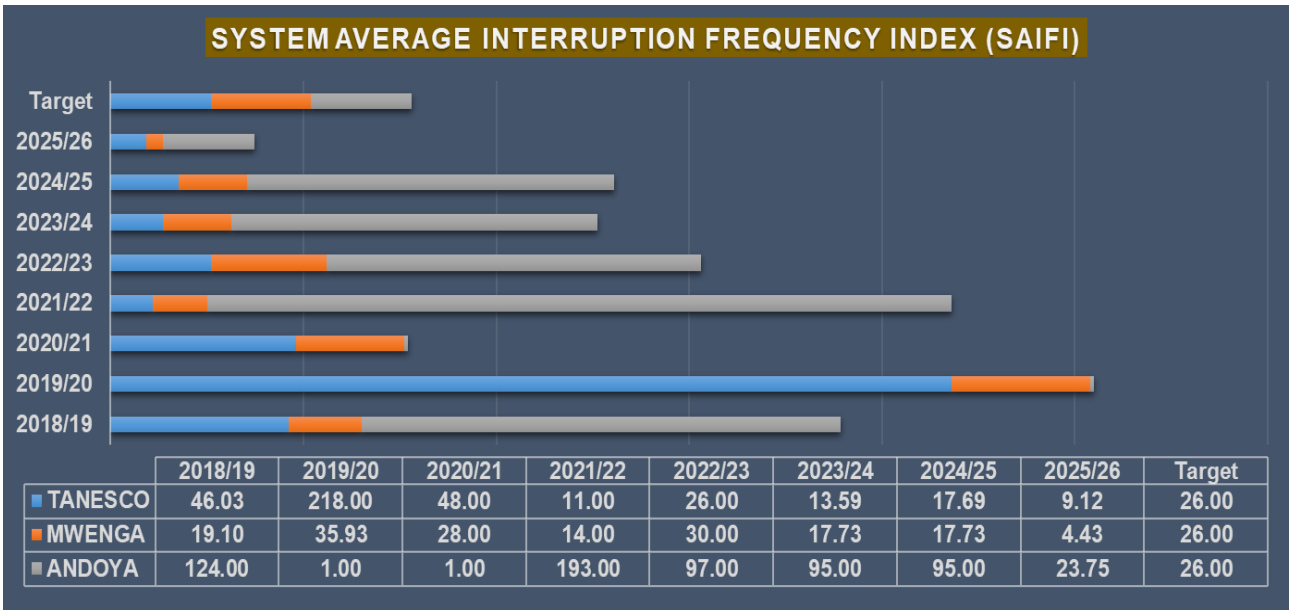


Figure 53: Indices for The Reliability of Electricity Supply

7.4.1 System Average Interruption Frequency Index (SAIFI)

SAIFI measures the average number of interruptions each customer experiences annually. It was 9.12 for TANESCO, which operates the main grid. The performance is within the target of <26 in FY2024/25, as in **Figure 54**.

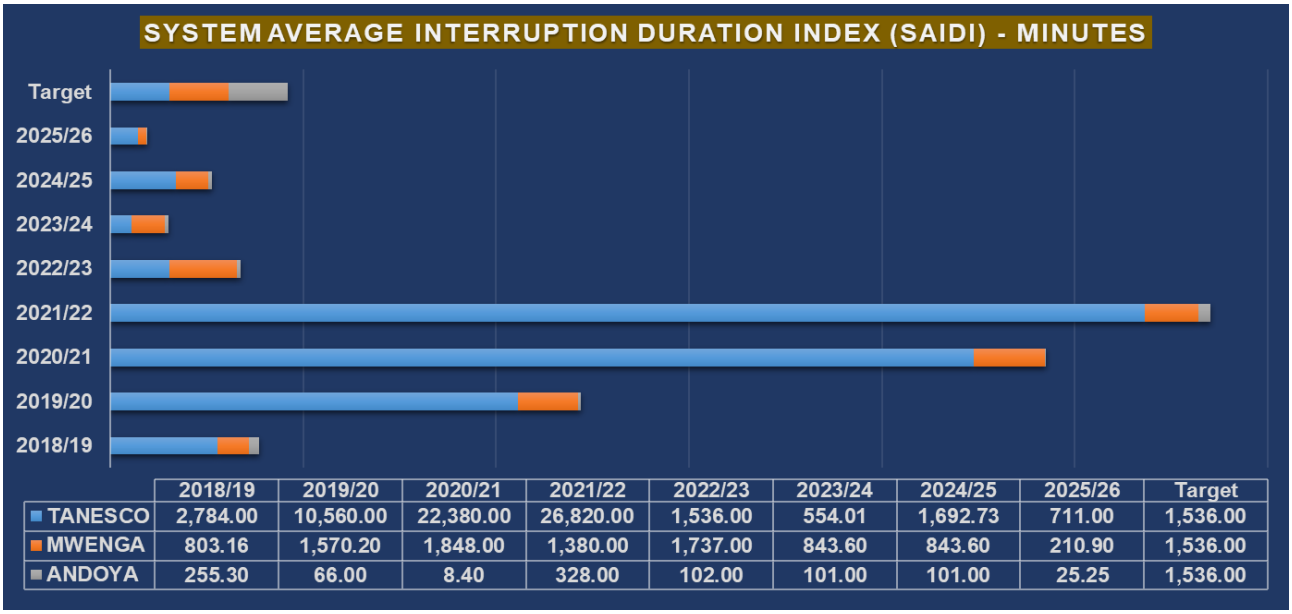


	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26	Target
TANESCO	46.03	218.00	48.00	11.00	26.00	13.59	17.69	9.12	26.00
MWENGA	19.10	35.93	28.00	14.00	30.00	17.73	17.73	4.43	26.00
ANDOYA	124.00	1.00	1.00	193.00	97.00	95.00	95.00	23.75	26.00

Figure 54: System Average Interruption Frequency Index (SAIFI)

7.4.2 The System Average Interruption Duration Index (SAIDI)

SAIDI measures the average outage duration in minutes that each customer experiences annually. It was 711.00 minutes in FY2025/26 for TANESCO, which operates the main grid. The performance is within the target of <1,536 minutes in FY2025/26 as in **Figure 55**.

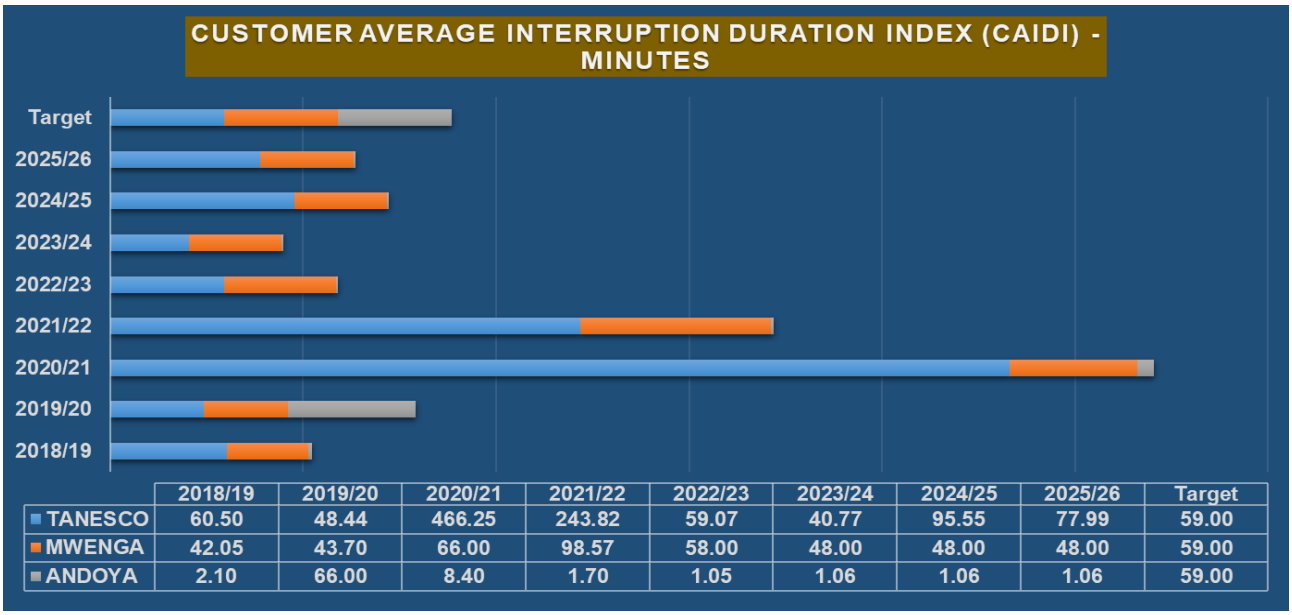


	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26	Target
TANESCO	2,784.00	10,560.00	22,380.00	26,820.00	1,536.00	554.01	1,692.73	711.00	1,536.00
MWENGA	803.16	1,570.20	1,848.00	1,380.00	1,737.00	843.60	843.60	210.90	1,536.00
ANDOYA	255.30	66.00	8.40	328.00	102.00	101.00	101.00	25.25	1,536.00

Figure 55: System Average Interruption Duration Index (SAIDI) in Minutes in FY2024/25

7.4.3 The Customer Average Interruption Duration Index (CAIDI)

CAIDI indicates the average duration in minutes that each outage lasts. It was 77.99 minutes in FY2025/26 for TANESCO, which operates the main grid. The performance is above a target of <59 minutes, as in **Figure 56**.



	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26	Target
TANESCO	60.50	48.44	466.25	243.82	59.07	40.77	95.55	77.99	59.00
MWENGA	42.05	43.70	66.00	98.57	58.00	48.00	48.00	48.00	59.00
ANDOYA	2.10	66.00	8.40	1.70	1.05	1.06	1.06	1.06	59.00

Figure 56: Customer Average Interruption Duration Index (CAIDI)

8. ENERGY LOSSES

The Energy losses were assessed for electricity transmission and distribution infrastructures. The respective entities are presented in **Figure 57**. TANESCO conducts both transmission and distribution activities. Others conduct electricity distribution activities only.

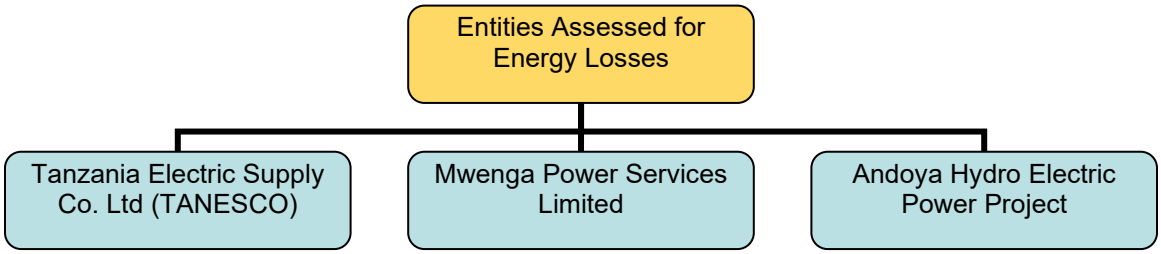
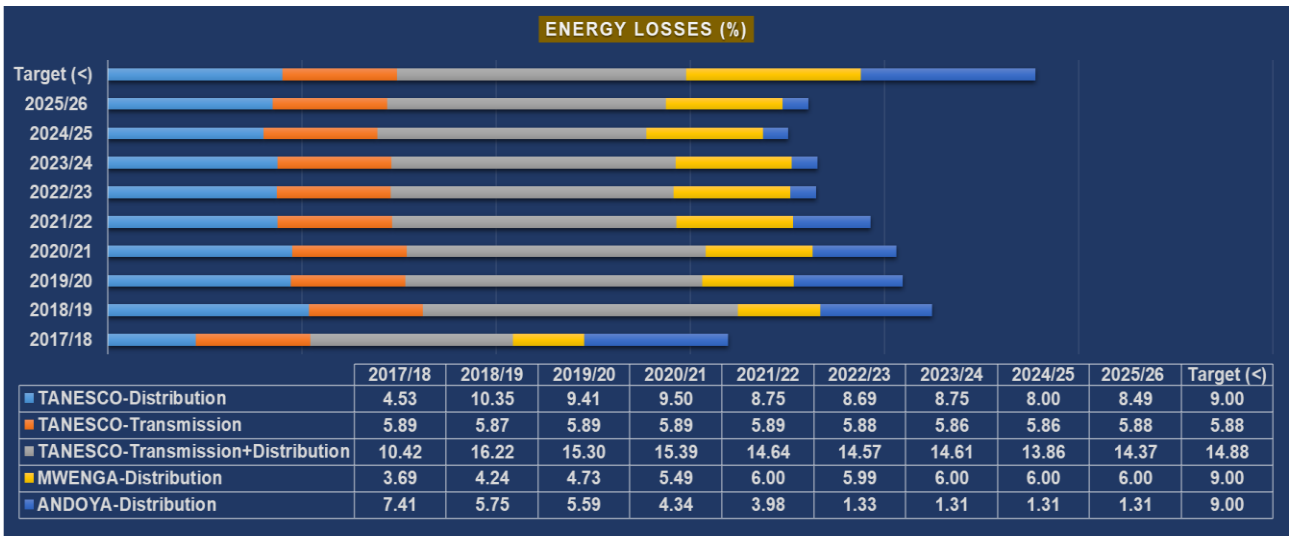


Figure 57: Entities Assessed for Energy Losses

The transmission plus distribution losses for TANESCO which operates the main grid reached 14.08% in FY2025/26 as in **Figure 58**. The transmission losses were 5.88%, which is within the target of <5.88%. Likewise, the distribution losses were 8.49%, which is within the target of <9.00%.



	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26	Target (<)
TANESCO-Distribution	4.53	10.35	9.41	9.50	8.75	8.69	8.75	8.00	8.49	9.00
TANESCO-Transmission	5.89	5.87	5.89	5.89	5.89	5.88	5.86	5.86	5.88	5.88
TANESCO-Transmission+Distribution	10.42	16.22	15.30	15.39	14.64	14.57	14.61	13.86	14.37	14.88
MWENGA-Distribution	3.69	4.24	4.73	5.49	6.00	5.99	6.00	6.00	6.00	9.00
ANDOYA-Distribution	7.41	5.75	5.59	4.34	3.98	1.33	1.31	1.31	1.31	9.00

Figure 58: Energy Losses (%)

9. INVESTMENT IN ELECTRICITY INFRASTRUCTURE

During the period under review, various projects were under development in line with Section 6(1)(c) of the Electricity Act 2008, which aims to promote investment and security of electricity supply in the electricity supply industry. It includes both public and privately developed infrastructure, as in **Figure 59**.

Figure 59: Investment in Electricity Infrastructure

9.1 Public Developed Infrastructure

The government, through TANESCO, is investing in the development of various electricity infrastructures. It includes electricity generation and transmission infrastructures.

9.1.1 Electricity Generation Infrastructure

Five (5) strategic projects were under construction. The project accounts for a total of 305.50 MW upon commissioning. Its respective progress is shown in **Figure 60**. The Julius Nyerere Hydropower Project was fully commissioned during the period.

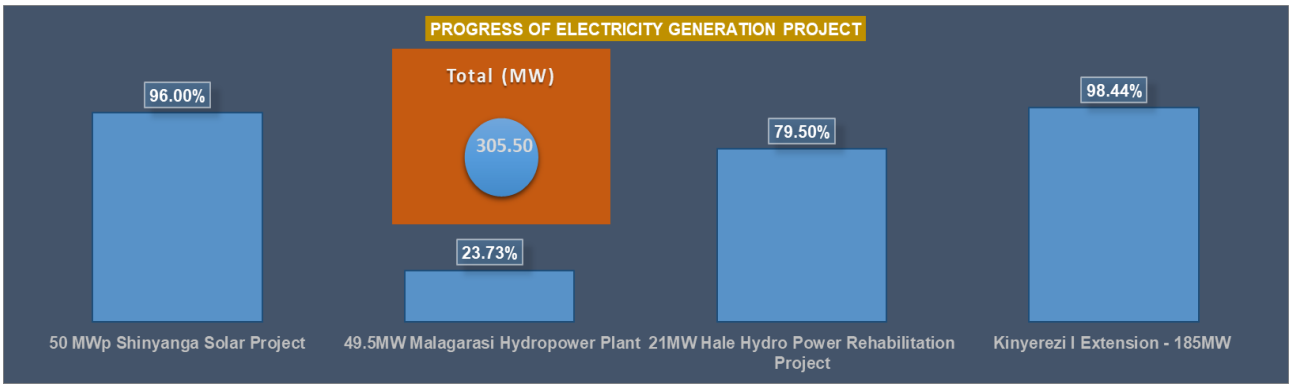


Figure 60: Progress of Electricity Generation Projects

9.1.2 Electricity Transmission Line

During the review period, 30 projects accounting for 15,034.63km were at different stages of implementation, as in **Table 6**. Among these, 10 projects accounting for 1,841.80km were commissioned during the period. Likewise, 20 projects accounting for 3,192.83km were in progress. The projects will increase the security of the electricity supply. Details of the projects are in **Annex 13**.

Table 6: Electricity Transmission Line Projects

S/N	Description	Number	Length (km)
1	Commisioned Project	10	1,841.80
2	Project on Progress	20	3,192.83
3	Total	30	5,034.63

***Source**: TANESCO*

9.1.3 Electricity Grid Substation

For the period under review, 33 accounting for 5,980.00MVA were at different stages of implementation, as in **Table 7**. Among these, 6 projects accounting to 365.00MVA were commissioned during the period. Likewise,27 projects accounting to 5,615.00MVA were in progress. Likewise, the projects will increase the security of the electricity supply. Details of the projects are in **Annex 13**.

Table 7: Electricity Substation Projects

S/N	Description	Number	Capacity (MVA)
1	Commisioned Project	6	365.00
2	Project on Progress	27	5,615.00
3	Total	33	5,980.00

***Source**: TANESCO*

9.2 Private Entities' Participation in the Development of Infrastructure

The private sector accounts for 67 projects with 698.72MW, as in **Table 8**. 23 projects accounting for 489.10MW are commissioned and operational. 8 projects accounting for 36.23 MW are under construction. Likewise, 36 projects accounting for 173.39MW are at different stages of soliciting funds. The respective projects will enhance the security of the electricity supply when fully commissioned. Details of the projects are in **Annex 5**.

Table 8: Private Entities' Participation in the Development of Infrastructure

S/N	Description	Number	Capacity
1	Operational	23	489.10
2	Construction on progress	8	36.23
3	Construction not commenced	36	173.39
	Total	**67**	**698.72**

***Source**: Licensees*

10. CLEAN COOKING

Electricity as a source of clean energy for cooking is a critical part of the government agenda. To that effect, the clean cooking strategy, known as *The National Clean Cooking Strategy 2024,* was developed and launched in April 2024.

10.1 Access to Clean Fuels and Technologies for Cooking

The National Clean Cooking Strategy 2024 indicates that the population using clean cooking solutions has gradually increased from 1.5% in 2010 to 6.9% in 2021, as shown in **Figure 61**. The National Clean Cooking Strategy 2024 aims to ensure that 80% of the population uses clean energy for cooking by 2034.

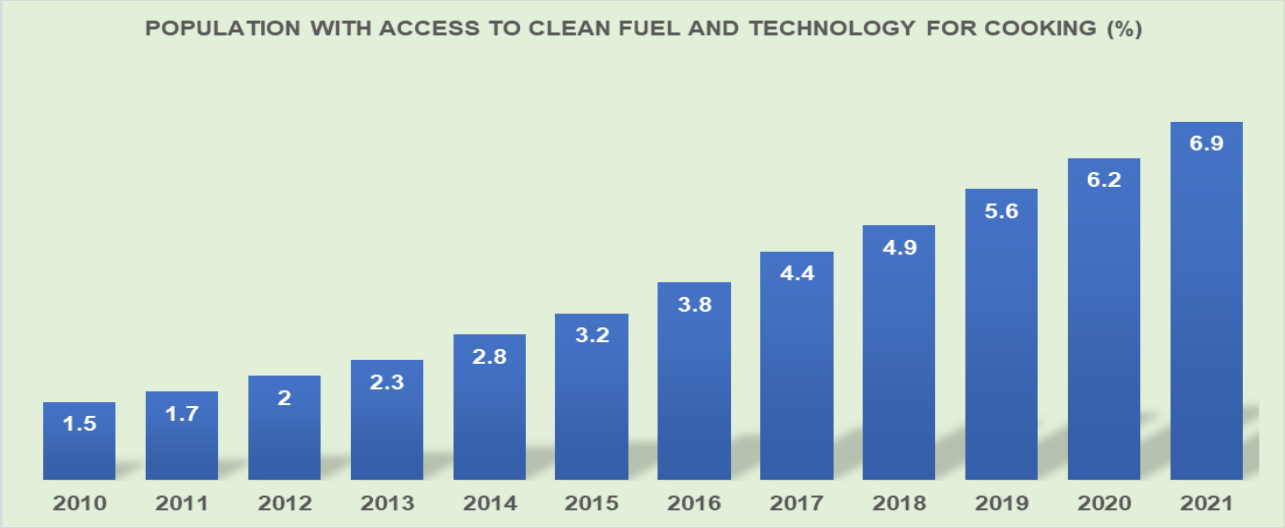


Figure 61: Population with Access to Clean Fuels and Technologies for Cooking

10.2 Fuels And Technologies Used for Cooking

The National Clean Cooking Strategy 2024 indicates that households in mainland Tanzania use various cooking energy sources as **Figure 62**. 64% use firewood, 26% charcoal, 5% Liquefied Petroleum Gas (LPG), 3% electricity, and 2% other sources of energy. Thus, the National Clean Cooking Strategy 2024 aims to ensure that 80% of the population uses clean energy for cooking by 2034.

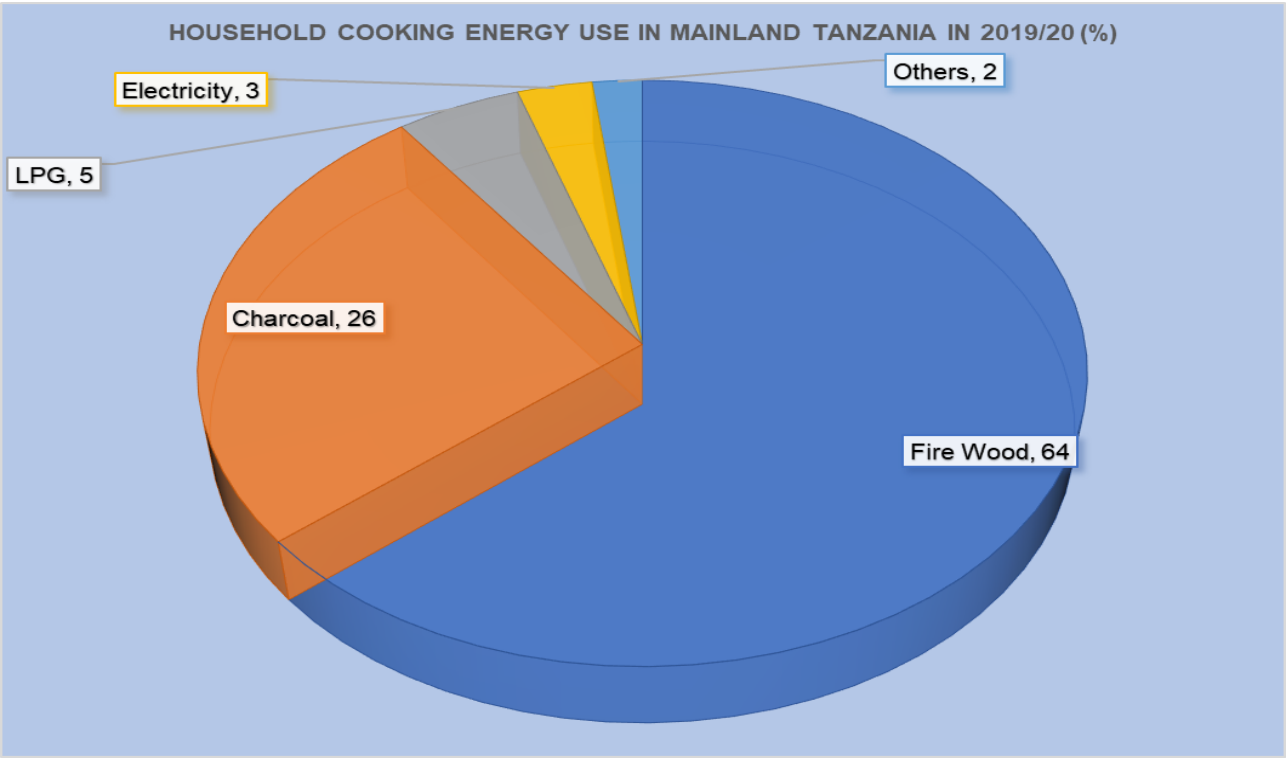
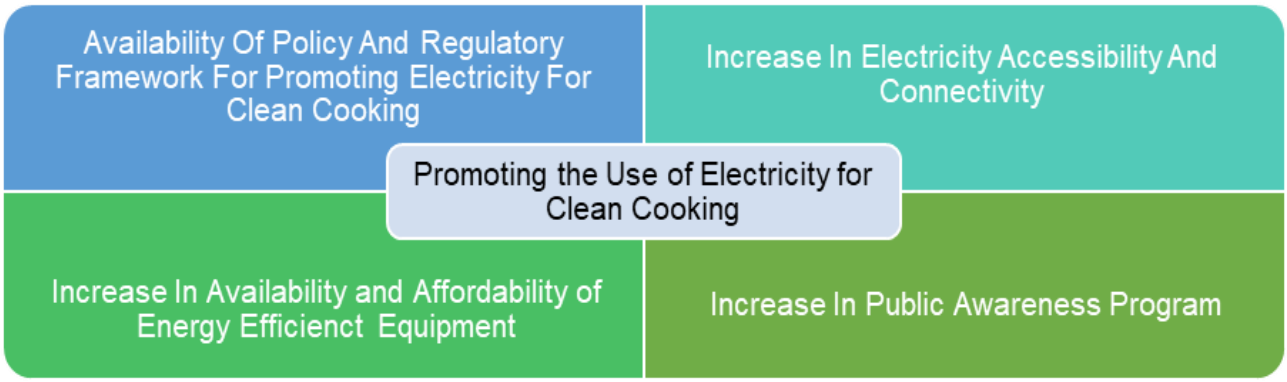


Figure 62: Household Cooking Energy Use in Mainland Tanzania In 2019/20 (%)

10.3 Strategies for Promoting Electricity for Clean Cooking

The National Clean Cooking Strategy 2024 provides that 80% of the population will use clean energy for cooking by 2034. Thus, electricity is envisaged to play an important role along with other technologies. This is supported by government incentives on clean technologies, whereby there has been an increase in accessibility of electricity from 67.5% in 2017 to 78.4% in 2020, an increase in connectivity of electricity from 32.8% in 2017 to 37.7% in 2020, an increase in the availability of energy-efficient equipment, as well as policies and regulatory framework, as in **Figure 63**.



11. MARKET COMPETITION ANALYSIS

The current Electricity Supply Industry market structure is the single buyer model, as in **Figure 1**. The public utility, namely TANESCO, conducts electricity generation, transmission, distribution, supply, cross-border trade, and system operation, among others. Likewise, private entities generate and sell electricity to TANESCO with the option to sell to other customers who are not supplied by TANESCO. Therefore, this section highlights market competition analysis based on the issues described in **Figure 64**.

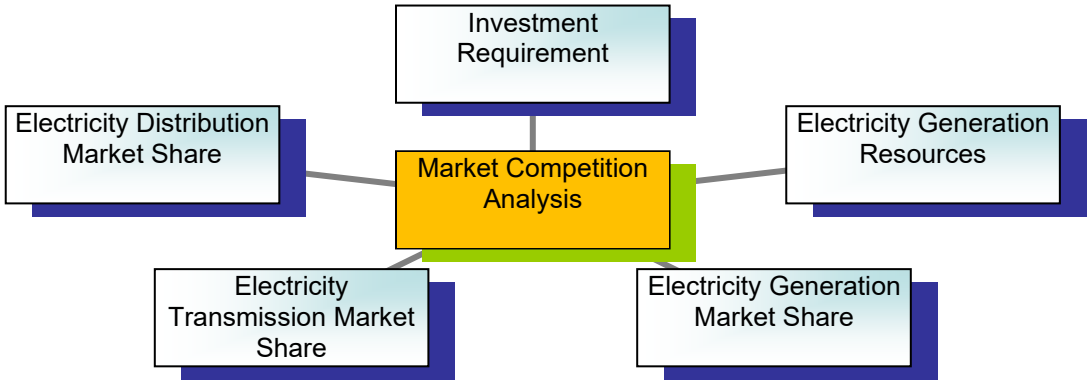


Figure 64: Market Competition Analysis

11.1 Investment Requirement

The Power System Master Plan (PSMP) of 2024 indicates the continuous growth in electricity demand. The demand is forecasted to grow from 2,507.80MW in 2025 to 10,105.29MW in 2050, as shown in **Figure 65**. This indicates the need for a significant investment in electricity generation, transmission, and distribution infrastructures.

Figure 65: Forecasted Electricity Demand (2025-2050)

11.2 Electricity Generation Resources

The PSMP indicates the availability of significant resources for electricity generation. The resources account for 23,495.73MW as in **Figure 66**. The developed resources as of December 2025 accounted for 4,465.66 MW (19.01%), excluding Cross-Boarder Imports, as indicated in **Table 3**. This indicates a need for significant investment to develop the available resources, thereby requiring private participation where economically viable.

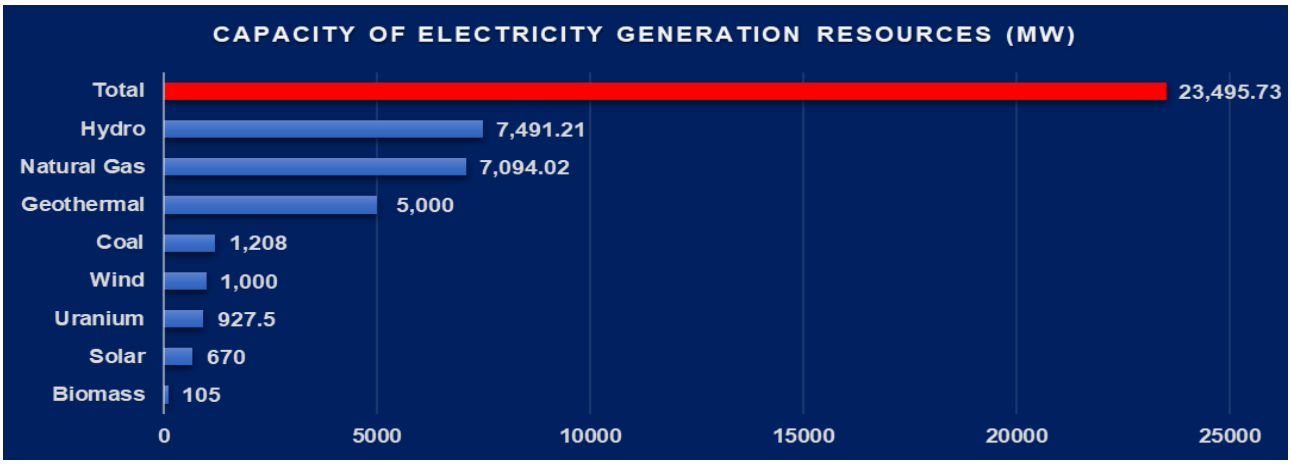


Figure 66: Capacity of Available Electricity Generation Resources (MW)

11.3 Electricity Generation Market Share

The market share by installed capacity indicates that TANESCO accounts for 84.74%, and others are 15.26%, as in **Figure 67**. Likewise, in electricity generation, TANESCO accounts for 87.75%, and others are 12.25% as in **Figure 68**. This indicates a need for more private investment in the electricity supply industry.

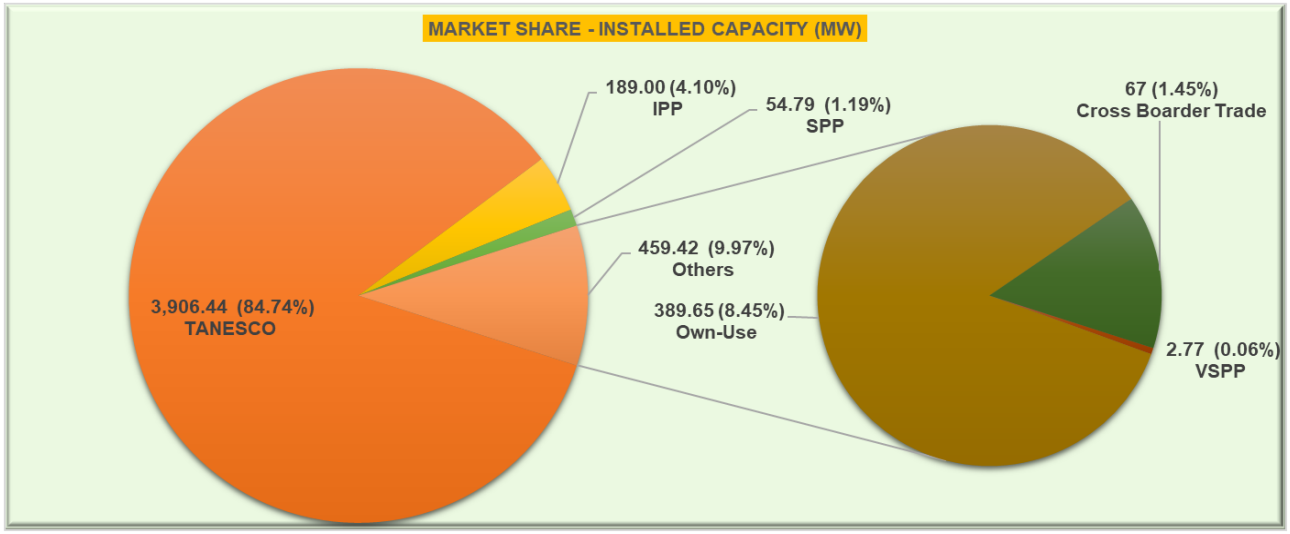


Figure 67: Market Share – Installed Capacity (MW)

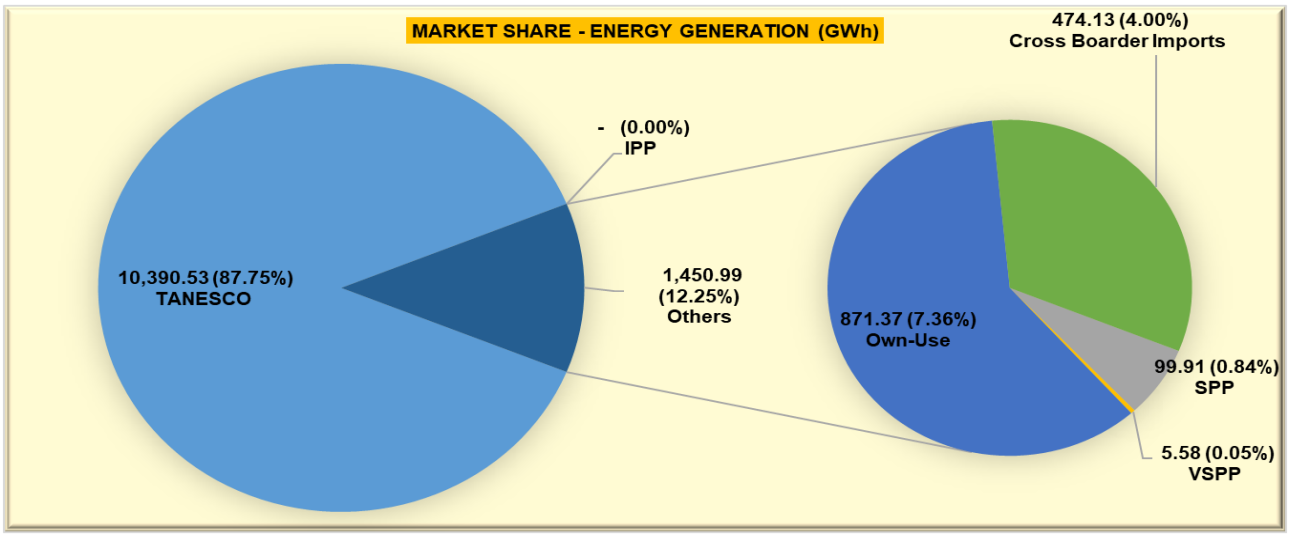


Figure 68: Market Share – Electricity Generation

11.4 Electricity Transmission and System Operations Market Share

TANESCO accounts for a 100% market share in electricity transmission activities. This aligns with Rule 5(4) of the Electricity (Generation, Transmission and Distribution Activities) rules, 2024. Private entities can finance the construction of the transmission infrastructures in line with Regulation 4 of the Electricity (General) Regulations, 2020. Additionally, TANESCO holds a 100% market share in system operations. The market structure is presented in **Figure 1**.

11.5 Electricity Distribution Market Share

The market share by the customer is 99.59% for TANESCO and 0.41% for other entities, as in **Figure 69**. Likewise, the market share by infrastructure is 99.50% for TANESCO, while 0.50% is for private entities, as in **Figure 70**.

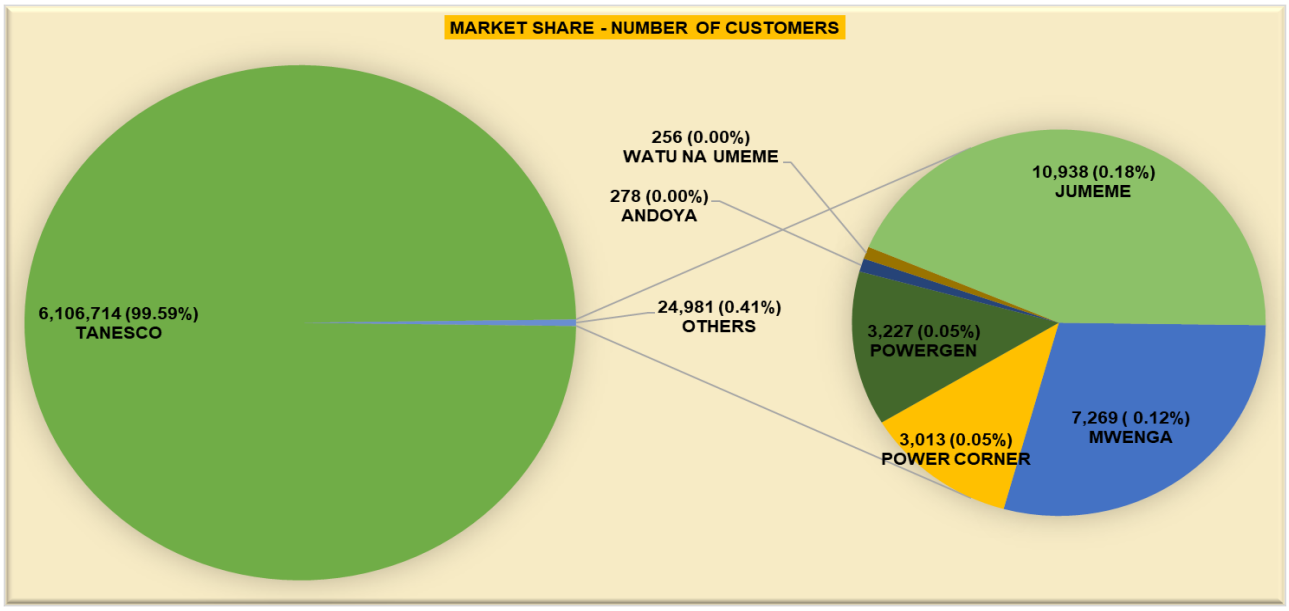
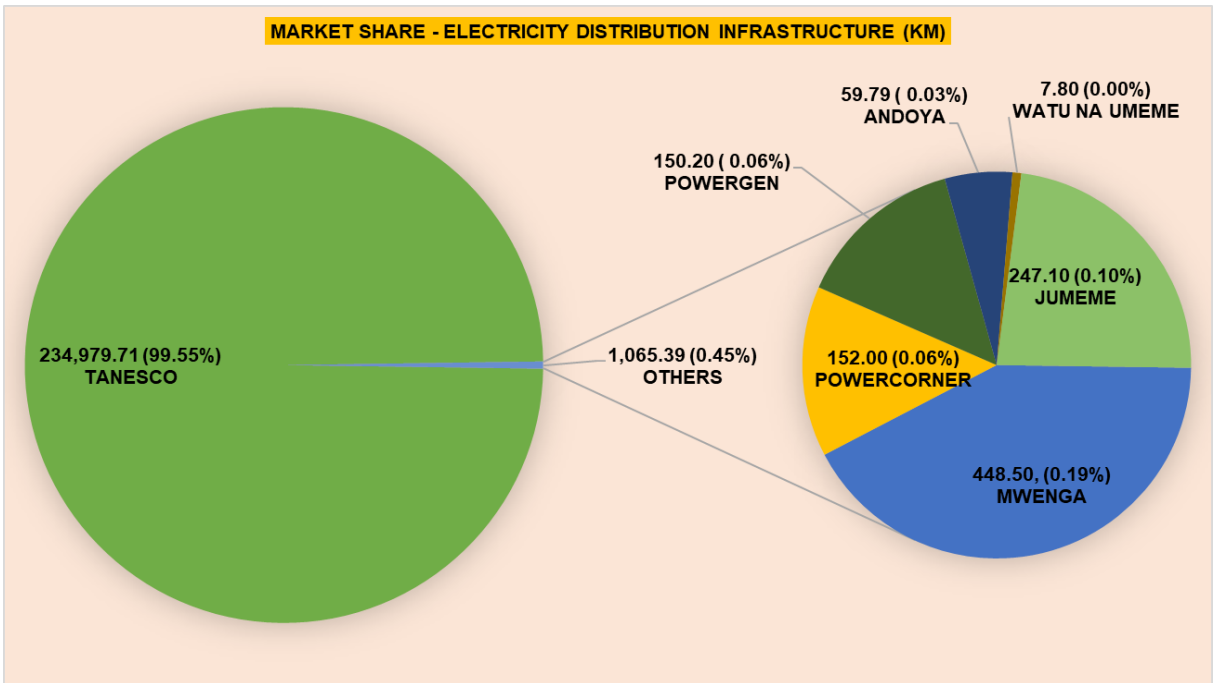


Figure 69: Market Share – Electricity Distribution Customer



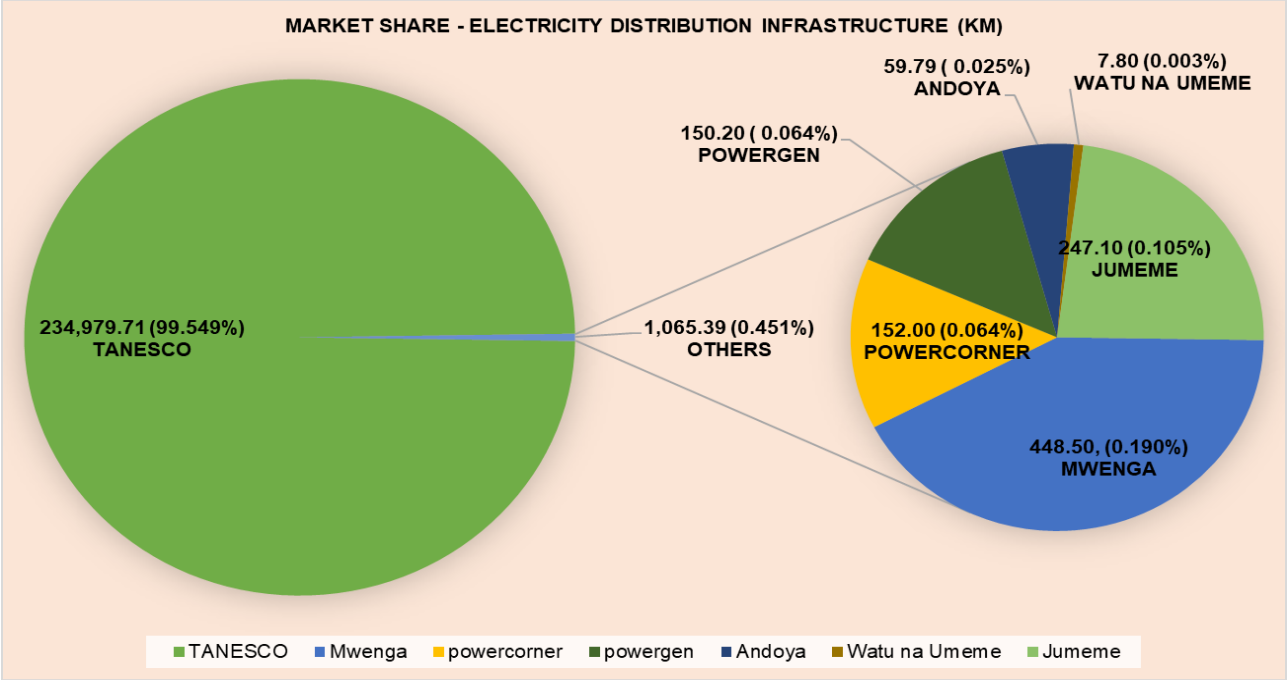


Figure 70: Market Share – Electricity Distribution Infrastructure

12. REGULATORY IMPACT

During the period under review, EWURA made the following regulatory impact as a result of its duties and responsibilities on the electricity sub-sector.

12.1 Affordability Of Electricity Services

Electrical Installation Licences: 1,002 licenses were issued. It increased the number of licensed personnel conducting electrical installation activities, particularly in rural areas, thereby promoting customer service through competition. Furthermore, it increased the safety of people and their property.

Tariff Order: Seven (7) tariff orders were approved for utilities supplying electricity to end-user customers. Likewise, one (1) tariff order was issued to a small power project selling electricity to the grid. The approved tariff rates are meant to ensure the affordability of electricity services to customers as well as the efficient operation of regulated entities.

12.2 Security Of Electricity Supply

Electricity Generation Licence: Six (6) licences accounting for 98.22MW were issued. The licences complement the Government's effort to ensure the security of power supply.

Power Purchase Agreement (PPA): one (1) PPA were approved. The PPAs enable private entities to develop power plants and sell electricity to TANESCO. The approved PPA account for 9MW, thus enhancing the security of the electricity supply.

12.3 Quality and Reliability of Services

Performance agreement: The signed agreements with Key Performance Indicators (KPIs) necessary for promoting the quality and reliability of electricity supply, among others, were monitored.

Reliability of Electricity Supply: The System Average Interruption Frequency Index (SAIFI) was 9.12 incidents, and was within the target of < 26 incidents. Likewise, the System Average Interruption Duration Index (SAIDI) was 711.00 minutes, and within a target of < 1,536 hours. However, the customer average interruption duration index (CAIDI) was 77.99 and above a target of <59 minutes.

Investments: Four (4) generation projects accounting for 305.50 MW; 30 transmission line projects accounting for 5,034.63km, and 33 substations projects accounting for 5,980.00MVA were under implementation by the government. Likewise, 44 generation projects accounting for 209.62MW were at different stages of development by private entities. The projects will enhance the quality and reliability of electricity when fully commissioned.

12.4 Sustainability of Regulated Entities

In promoting efficient operations and the sustainability of regulated entities, tariffs for six (6) mini-grid operators were approved to ensure cost-reflective tariffs and, hence, the sustainability of mini-grids. Likewise, compliance monitoring continued to be conducted to enforce compliance with the approved tariffs for the regulated entities. Furthermore, regulated entities were monitored and measured in compliance with performance agreements to ensure efficient and effective operation.

12.5 Electrification

Customer connection: 6,131,695 customers were connected to the electricity supply.

Infrastructure: 236,045.06 km of electricity distribution lines route length and 8,303.87km of transmission line route length commissioned, thereby enhancing electricity accessibility and connectivity.

13. CONSUMER SAFEGUARD

Customer service is among the regulatory goals, as outlined in Section 30(7) of the Electricity Act, Cap. 131. Thus, the regulatory interventions in ensuring standards of customer service include, among others, approving the customer service charter, entering into a performance agreement, and conducting compliance monitoring of regulated entities.

13.1 Customer Service Charter

EWURA continued to monitor the services provided by the regulated entities to ensure the quality and reliability of services. EWURA enforced the regulated entities supplying electricity to implement a Customer Service Charter for monitoring service provision.

13.2 Performance Agreement

The regulated entities signed a performance agreement with measurable key performance indicators. The indicators aim, among others, to promote the customer service standards.

13.3 Compliance Monitoring

Performance monitoring was conducted for all licensees to ensure compliance with applicable legislation. Further, awareness seminars for the general public were conducted to enhance understanding of the rights and obligations of services provided by the service providers.

13.4 Complaint and Dispute Resolution

Resolving 60 complaints and disputes between regulated entities and respective customers. Hence enhancing customer servces.

14. FUTURE OUTLOOK OF THE ELECTRICITY SUPPLY INDUSTRY

The future outlook of the electricity industry is encouraging. The following are some anticipated future outlooks of the sub-sector.

14.1 Net-Metering Framework

The framework that allows utilities and customers to engage in net-metering is in place to promote the security of the electricity supply, clean energy, clean cooking, and the efficient use of electricity in line with the Electricity (Net-Metering) Rules, 2018. The same will be promoted, where customers will engage in a net energy metering billing mechanism with utilities to earn credit for excess energy production through renewable sources, such as

solar, to offset the grid energy consumed, as shown in **Figure 71**. The framework allows net-metering energy supply up to 5% of the maximum demand.

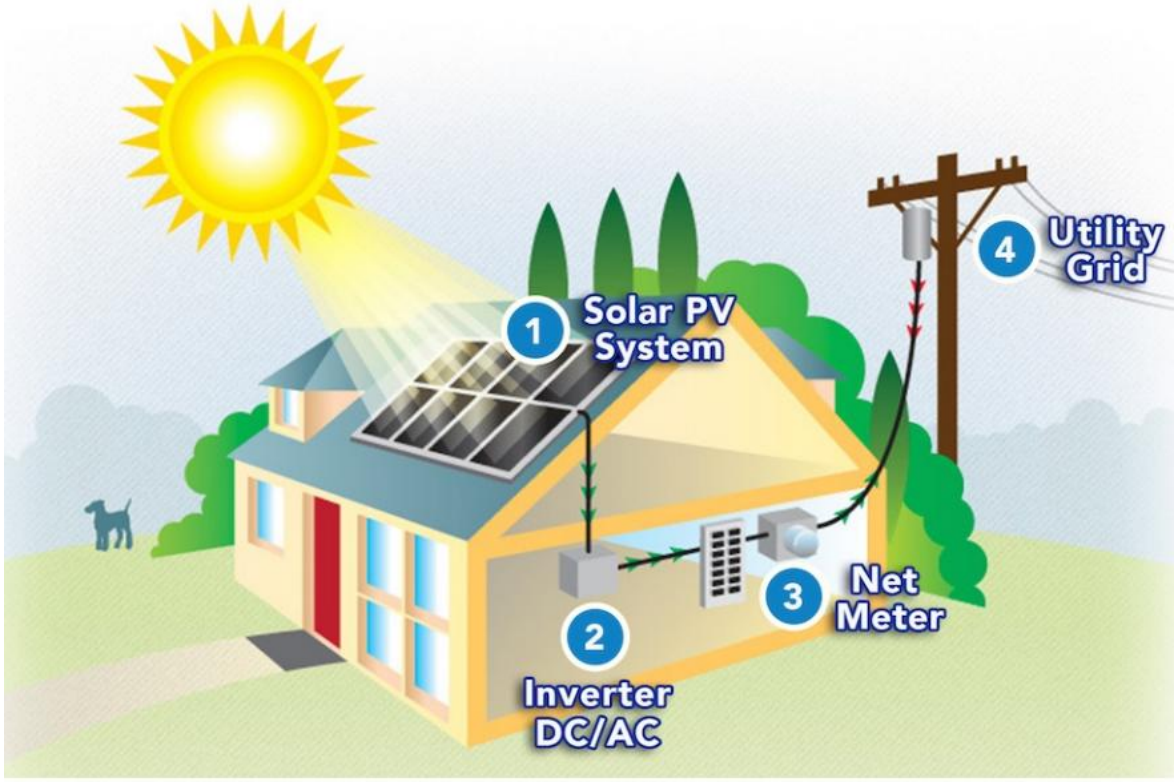


Figure 71: Net-Metering Mechanism

14.2 Private Sector Financing the Construction of an Electric Supply Line

The framework allowing the private sector to finance the construction of electric supply lines is in place to promote electrification accessibility, connectivity, and clean cooking in line with Regulation 4 of the Electricity (General) Regulations, 2020. The same will be promoted, where customers will be reimbursed for engaging with the utilities in financing the construction of the electricity supply line. The framework includes transmission, distribution and supply infrastructure up to the customers as depicted in **Figure 72**.

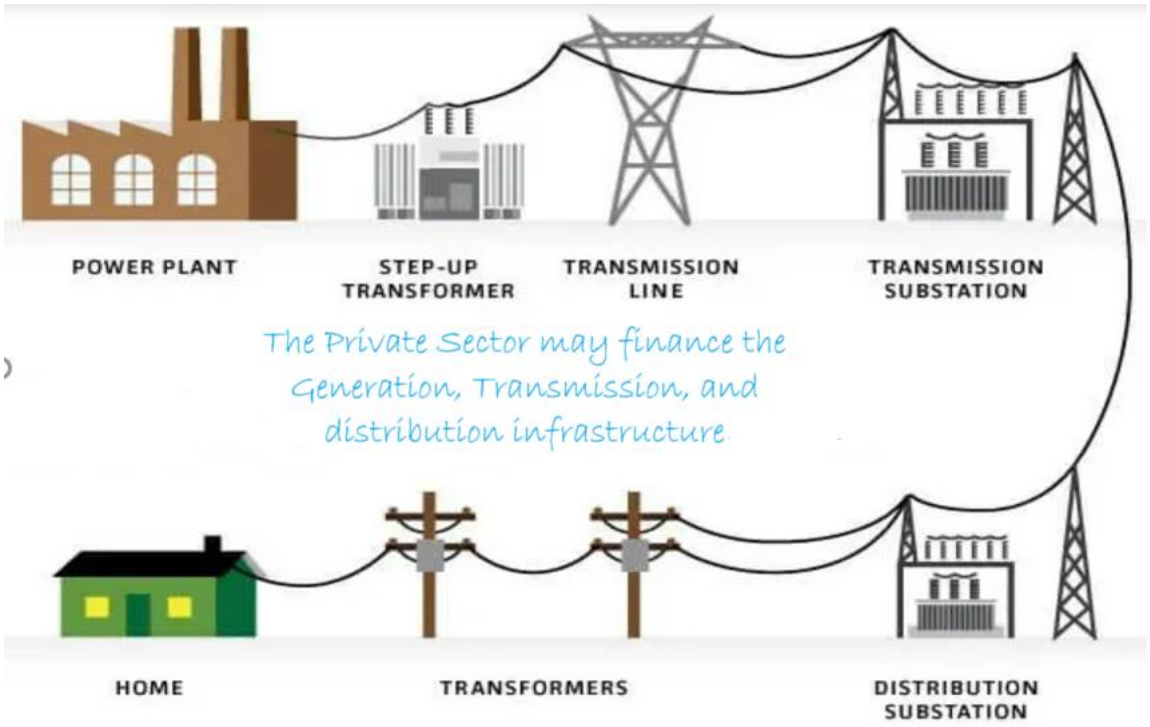


Figure 72: Private Sector Financing the Construction of an Electric Supply Line

14.3 Electro Mobility

The development of the framework for the regulation of the electromobility power consumption and charging stations is in process to promote electromobility through efficient use of electricity and safety, as depicted in **Figure 73**. This is based on the fact that the increase in the adoption of electromobility will increase electricity consumption demand and safety requirements.

Figure 73: Electromobility

14.4 Load Forecast and Generation Requirements

The power system master plan 2024 updates presents a twenty-five-year load forecast based on a review of historical electricity consumption, economic factors (GDP, Population) performance, and electricity needs to support emerging demands. The emerging issues that form the key drivers of future power demand include adopting E-mobility, clean cooking technologies, the Standard Gauge Railway (SGR) project, and Liquefied Natural Gas (LNG) development.

The Base-Case load forecast indicates that demand will increase from 16,007.5 GWh in 2025 to 40,932.87 GWh in 2030. The forecast demand translates into an increase in per capita consumption from 243 kWh in 2025 to 528 kWh in 2030. Connectivity rate increases from 50% in 2025 to 87% in 2030, as shown in **Table 9**.

Table 9: Load Forecast and Generation Requirements

Year	2025	2026	2027	2028	2029	2030
Peak Demand -MW	2,507.80	3,203.54	4,415.27	5,256.01	5,856.96	6,571.09
Energy Demand-GWh	16,007.50	20,941.96	27,579.20	32,800.81	36,517.71	40,932.87
Number of Customer	6,647,233.00	8,017,787.00	9,388,341.00	10,758,895.00	12,129,449.00	13,500,000.00
Population	65,882,543.00	68,043,578.00	70,285,232.00	72,610,906.00	75,024,165.00	77,528,745.00
Household Population	13,176,508.60	13,608,715.60	14,057,046.40	14,522,181.20	15,004,833.00	15,505,749.00
Connectivity Rate	**50%**	**59%**	**67%**	**74%**	**81%**	**87%**
Per Capita Consumption-kWh	**243**	**308**	**392**	**452**	**487**	**528**

14.5 Power Generation Expansion Plan

Based on forecasted electricity demand, the total installed capacity increases from 3,191.71 MW in 2024 to 19,905.19 MW in 2050. The non-hydro renewable energy capacity contribution increases from 1% to 52% of total renewable energy capacity in the same period, as shown in **Table 10**. The corresponding energy increases from 16,445.63 GWh in 2024 to 108,203.90 GWh in 2050.

Table 10: Power Generation Expansion Plan

Year	2024	2025	2028	2030	2038	2050
Installed Capacity-MW	3,191.71	4,181.71	8,735.09	11,822.39	15,638.19	19,905.19
Renewable	59%	69%	65%	62%	62%	57%
Non-Renewable	41%	31%	35%	38%	38%	43%
Renewable non-Hydro	1%	2%	46%	45%	44%	52%

14.6 Transmission Network Expansion

To evacuate power generation, a total of 16,552.16 km of new transmission lines will be developed over the planning horizon, as shown in the **Table 11**. Thus, by the end of the planning horizon, the total transmission line will be 24,284.54 km. The investment will lead to a subsequent reduction in transmission losses from 5.80% in 2024 to 2.85% by 2048.

Table 11: Electricity Transmission Expansion Plan

S/N	Voltage Level	Transmission System Additions (km)			
		2024–2028	2029–2038	2039–2048	Total
1	400kV	1,922.00	2,558.33	880.22	5,360.55
2	220kV	2,663.58	5,769.72	1,098.00	9,531.30
3	132kV	1,299.01	175.7	108.6	1,583.31
	Total	**5,884.59**	**8,503.75**	**2,086.82**	**16,552.16**

14.7 Economic and Financial Analysis

The investment requirement to support generation and transmission expansion plans is projected to be USD 39,951.90 million by 2050. This includes USD 699.23 million that will be fully financed by the government, while the remainder financing requirement will be met considering a 70%-debt and 30%-equity split as shown in the tabulation below.

Description	Investment Requirement (USD) - Million			
	Short-Term (2024-2028)	Medium-Term (2029-2038)	Long-Term (2039-2048)	Total
Generation	9,302.60	11,466.08	11,073.70	31,842.37
Transmission	3,632.02	3,472.41	1,005.10	8,109.53
Total Investments	**12,934.62**	**14,938.49**	**12,078.80**	**39,951.90**
Investments Based on Debt:Equity				
Govt Fully Financed Investments	666.11	33.12	0	**699.23**
Debt (70%)	8,587.96	10,433.76	8,455.16	**27,476.87**
Equity (30%)	3,680.55	4,471.61	3,623.64	**11,775.80**
Total	**12,934.62**	**14,938.49**	**12,078.80**	**39,951.90**

14.8 Energy Efficiency and Demand Side Management

To ensure the security of power supply to meet the demand in the sector based on the current growth and the need to preserve the environment, there should be a conducive setting that attracts public and private capital investments in energy efficiency and demand side management. Furthermore, such a conducive setting and incentives should encourage customers to participate in the energy efficiency and demand-side management frameworks. In collaboration with the government, EWURA will continue to

create awareness, promote investments, and put in place conducive regulatory frameworks.

14.9 Electricity Market Trend

The country has witnessed several market trends requiring significant amounts of electricity. These include the development of the Liquefied Natural Gas Project; the ongoing adoption of electric mobility technology, the introduction of electric trains following the commencement of construction of the Standard Gauge Railway project (SGR), the participation in electricity cross-border trade, and the country's commitments to modern cooking technology, including electricity cooking (e-cooking) to reduce carbon emissions. Thus, EWURA, under the guidance of the government, and in collaboration with other stakeholders, will continue to develop the regulatory framework for enhancing the smooth adoption of emerging issues in the electricity supply industry. This includes, among other things, the designation of the system operator and the market operator to enhance efficiency and transparency in the electricity supply industry.

15. ACHIEVEMENTS AND CHALLENGES

The electricity supply industry has achieved several milestones technically and economically. Likewise, several challenges are being dealt with to ensure the development of the sub-sector.

15.1 Achievements

During the period under review, the positive regulatory environment in the country has led to achievements in the electricity sub-sector that include the following: -

15.1.1 Licences

Issuance of six (6) licences accounting for 98.22MW to enhance the security of the electricity supply. Likewise, issuance of 1,002 electrical installation licences to enhance electrical installations, particularly in rural areas.

15.1.2 Power Purchase Agreements

Approval of one (1) power purchase agreement for private entities to develop power plants and sale electricity that accounts for 9MW, hence increasing the security of the electricity supply.

15.1.3 Initiation of Procurement of New Electricity Supply Installations

One (1) project accounting for 200MW solar had approval for the initiation of procurement for the Development of new electricity supply installations, in partnership with TANESCO, to build power plants.

15.1.4 Complaints and Dispute Resolution

Resolving 60 complaints and disputes between regulated entities and respective customers.

15.1.5 Installed Capacity

Increased 105.12 (2.33%) from 4,504.54MW in FY2024/25 to 4,609.66 MW in FY2025/26.

15.1.6 Electricity Demand

The gross demand Increased by 150.22 (6.37%) from 2,357.97 MW in FY 2024/2025 to 2,508.19 MW in FY2025/26. Likewise, the main grid demand increased by 150.22MW (7.82%) from 1,921.4 MW in FY2024/25 to 2,071.7 MW in FY2025/26.

15.1.7 Energy Generation and Cross-Border Imports

A total of 11,842.38 GWh was generated in FY2025/26. It exceeds third quarter of the energy generated in FY 2023/24, which was 13,940.06GWh in FY2024/25.

15.1.8 Transmission Line Infrastructure

Remains 8,303.87km as it was in FY2024/25. However, it increased by 779km (10.35%) from 7,524km in June 2024.

15.1.9 Grid Substations

Remains 72 in FY2025/26 as it was in FY2024/25. This is an increase of five (5), equivalent to (7.46%) from 67 in FY2023/2024.

15.1.10 Distribution Line Length

Increased by 21,701.39 km (10.12%) from 214,343.67km in FY2024/25 to 236,045.06 in FY2025/26.

15.1.11 Infrastructure development Investment

Five (5) strategic projects accounting for 305.50 MW, 30 transmission line projects accounting for 5,034.63km, and 33 substation projects accounting for 5,980.00MVA were

under implementation by the government. Likewise, 44 generation projects accounting for 209.62MW were at different stages of development by private entities. The projects will enhance the quality and reliability of electricity when fully commissioned.

15.1.12 Electrification and Customer Connection

Customers connection 6,131,695, being an increase of 646,019 (12.97%) from 5,485,676 in FY2024/25. Accessibility reached 78.40% in FY2019/2020. Likewise, connectivity reached 37.70%.

15.1.13 Reliability Of Supply

System Average Interruption Frequency Index (SAIFI) was 9.12 incidents, and was within the target of < 26 incidents. System Average Interruption Duration Index (SAIDI) was 711.00 minutes, and within a target of < 1,536 hours. However, the customer average interruption duration index (CAIDI) was 77.99 and above a target of <59 minutes.

15.1.14 Clean Cooking

Promoting electricity for clean cooking to ensure that 80% of households use clean energy, including electricity for cooking, by 2034.

15.2 Challenges

During the period under review, the sub-sector faced some challenges, which include the following:

15.2.1 Inadequate Private Sector Investments

The private sector contributes 15.26% share in installed capacity, 12.25% share in electricity generation, 0.41% share in customer base, and 0.45% share in distribution infrastructure. Thus, a need for more intervention to promote private sector investment.

15.2.2 Increase In Electricity Demand.

The gross demand Increased by 150.22 (6.37%) from 2,357.97 MW in FY 2024/2025 to 2,508.19 MW in FY2025/26. Likewise, the main grid demand increased by 150.22MW (7.82%) from 1,921.4 MW in FY2024/25 to 2,071.7 MW in FY2025/26. Thus, a need for timely intervention to promote investment in the electricity infrastructure developments to meet the growth in demand.

15.2.3 Inadequate Reliability Of Electricity Supply.

The customer average interruption duration index (CAIDI) was 77.99, and above a target of <59 minutes. Thus, a need for intervention to improve the reliability of the electricity supply.

16. CONCLUSION

Generally, there is no doubt that electricity demand is growing. To manage the demand, there is a need for more investment in the sub-sector. In this regard, EWURA, in collaboration with the government and other key stakeholders, will continue to regulate and promote more investments in the electricity sub-sector to meet the growing demand.

Annex 1: Roles of Respective Institutions in the Electricity Supply Industry

The Electricity supply industry consists of various institutions. The institutions and their respective roles are provided hereunder.

A. The Ministry of Energy

S/N	Description in line with the Electricity Act, Cap. 131	Sections
1)	Develop and review Government policies in the electricity supply industry	4(10)(a)
2)	prepare, publish, and revise policies, plans, and strategies for the development of the electricity supply industry	4(10)(b)
3)	Take all measures necessary to reorganize and restructure the electricity supply industry to attract private sector and other participation, in such parts of the industry, phases, or timeframes as he deems proper	4(10)(c)
4)	through the Rural Energy Agency, prepare, revise, and publish the Rural Electrification Plan and Strategy	4(10)(d)
5)	promote the development of the electricity sub-sector, including the development of Indigenous energy resources	4(10)(e)
6)	take measures to support and promote rural electrification per the Rural Energy Act, including the provision of funding for the Rural Energy Fund;	4(10)(f)
7)	formulate a policy by which electricity may be imported or exported	4(10)(g)
8)	cause to conduct inquiries into accidents or disasters caused by electricity	4(10)(i)

B. The Energy and Water Utilities Regulatory Authority

S/N	Description in line with the Electricity Act, Cap. 131	Sections
1)	award licenses to entities undertaking or seeking to undertake a licensed activity	5(a)
2)	approve and enforce tariffs and fees charged by licensees	5(b)
3)	approve licensees' terms and conditions of electricity supply	5(c)
4)	approve the initiation of the procurement of new electricity supply installations	5(d)
5)	protect customers' interests through the promotion of competition	6(1)(a)
6)	promote access to, and affordability of, electricity services, particularly in rural areas	6(1)(b)
7)	promote the least-cost investment and the security of supply for the benefit of customers	6(1)(c)
8)	promote improvements in the operational and economic efficiency of the electricity supply industry and efficiency in the use of electricity	6(1)(d)
9)	promote appropriate standards of quality, reliability, and affordability of electricity supply	6(1)(e)
10)	Take into account the effect of the activities of the electricity supply industry on the environment	6(1)(f)
11)	protect the public from dangers arising from the activities of the electricity supply industry	6(1)(g)
12)	promote the health and safety of persons in the working environment employed in the electricity supply industry	6(1)(h)
13)	monitor and measure a licensee's performance and compliance with the Electricity Act, Cap. 131	30(1)
14)	Approve the power purchase agreement	25(3)
15)	Concluding a performance agreement with Licensees	14(5)(d)

C. Rural Energy Agency

S/N	Description in line with the Electricity Act, Cap. 131	Sections
1)	Rural Electrification	4(1)(d)

D. Tanzania Electricity Supply Company Limited

S/N	Description in line with the Electricity Act, Cap. 131	Sections
2)	Electricity Generation	8(1)(a)
3)	Electricity Transmission	8(1)(b)
4)	Electricity Distribution	8(1)(c)
5)	Electricity Supply	8(1)(d)
6)	System Operations	8(1)(e)
7)	Cross-Border Trade in Electricity	8(1)(e)

E. Private Regulated Entities

S/N	Description in line with the Electricity Act, Cap. 131	Sections
1)	Electricity Generation	8(1)(a)
2)	Electricity Distribution	8(1)(c)
3)	Electricity Supply	8(1)(d)

Annex 2: Regulatory Tools and Standards

The regulatory tools consist of plans, strategies, acts, regulations, rules, and standards. The same are described under respective sub-sections.

A. Policies, Plans, and Strategies

S/N	Description
1)	The National Energy Policy, 2015
2)	National Five-Year Development Plan 2021/22 - 2025/26
3)	Electricity Supply Industry Reform Strategy and Roadmap
4)	The Power System Master Plan 2020
5)	National Clean Cooking Strategy (2024-2034)

B. Acts

S/N	Description
1)	The Electricity Act, Cap 131
2)	The Energy and Water Utilities Regulatory Authority Act, Cap. 414
3)	The Tanzania Extractive Industries (Transparency and Accountability) Act, 2015

C. Regulations

S/N	Description
1)	The Electricity (General) Regulations, 2020
2)	The Electricity (Market Re-Organization and Promotion of Competition) Regulations, 2016
3)	The EWURA (Compounding of Offences) Regulations, 2020

D. Rules

S/N	Description
(1)	The Electricity (Generation, Transmission and Distribution Activities) Rules, 2024
(2)	The Electricity (Electrical Installations Services) Rules, 2022
(3)	The Electricity (Licensing and Registration Fees) Rules, 2022
(4)	The Electricity and Natural Gas (Tariff Application and Rate Setting) Rules, 2021
(5)	The EWURA Consumer Complaints Settlement Rules, 2020
(6)	The Electricity (Development of Small Power Projects) Rules, 2020
(7)	The Electricity (Procurement of Power Projects and Approval of Power Purchase Agreement) Rules 2019
(8)	The Electricity (Supply Services) Rules 2019 and its amendments of 2023
(9)	The Electricity (Grid and Distribution Codes) Rules 2017
(10)	The Electricity (Grid and Distribution Codes) Rules 2017
(11)	The Electricity System Operations Services Rules 2016
(12)	Electricity Market Operations Services Rules 2016

E. Standards

S/N	Description
1)	TZS 1373:2011 – Power Quality - Quality of supply
2)	TZS 1374:2011 – Power Quality - Quality of service and reliability.

Annex 3: Licenses

(a). Electricity Generation License for Sale

S/N	Name of Licensee	Capacity for Sale (MW)	Duration (Years)	License No.	Date of Issue	Date of Expiry
1	TANESCO	3,834.4	20	EGL-2013-001	03/01/2013	28/02/2033
2	SONGAS	189.0	33	0	11/10/2001	10/10/2034
3	Tanganyika Plantation Co. Ltd.	9.0	13	EGL-2012-005	18/06/2012	17/06/2025
4	Tanganyika Wattle Co. Ltd	1.5	13	EGL-2012-005	18/06/2012	17/06/2025
5	Mwenga Hydro Ltd (Hydro)	4.0	15	EGL-2013-001	01/03/2013	28/02/2028
6	Tulila Hydro Electric Plant Co. Ltd	7.5	14	EGL-2016-001	03/08/2016	02/08/2030
7	Andoya Hydro Electric Power Co. Ltd	1.0	15	EGL-2016-002	22/08/2016	21/08/2031
8	Ngombeni Power Ltd.	1.4	15	EGL-2016-003	07/09/2016	06/09/2031
9	Luponde Hydro Limited	1.1	15	EGL-2020-001	30/06/2020	29/06/2035
10	Madope Hydro Company Limited	1.8	15	EGL-2020-002	30/06/2020	29/06/2035
11	Mwenga Hydro Ltd (Wind)	2.4	15	EGL-2020-003	29/12/2020	28/12/2035
12	Nextgen Solawazi Limited	5.0	20	EGL–2021 - 002	31/05/2021	30/05/2041
13	Mkulazi Holding Co. Ltd.	7.0	5	EGL-2025-001	30/05/2025	29/05/2030
14	BXC Tanzania Ltd.	5.0	5	EGL-2025-003	04/11/2025	03/11/2030
15	Cross-Boarder	67.0	0	0	00/01/1900	00/01/1900
16	Yovi Hydro Power Co.Ltd	1.0	10	CRG - 2019 - 009	16/04/2019	15/04/2029
17	Darakuta Hydro Power Development Co.Ltd	0.4	5	CRG – 2024 - 001	17/04/2024	16/04/2029
18	Matembwe Village Co.Ltd	0.6	5	CRG – 2024 - 002	12/07/2024	11/07/2029
	TOTAL	**4,139.1**				

(b). Electricity Generation Licence for Own Use

S/N	Name of Licensee	Capacity for Sale (MW)	Duration (Years)	License No.	Date of Issue	Date of Expiry
1	Tanganyika Plantation Co. Ltd.	33.5	13	EGL-2012-005	18/06/2012	17/06/2025
2	Tanganyika Wattle Co. Ltd	1.3	13	EGL-2012-005	18/06/2012	17/06/2025

3	Mkulazi Holding Co. Ltd.	8.0	5	EGL-2025-001	30/05/2025	29/05/2030
4	Lake Cement Ltd.	15.4	15	BEGL-2016-001	29/03/2016	28/03/2031
5	Tanga Cement Public Limited Company	11.5	15	SEGL-2016-001	04/10/2016	03/10/2031
6	Kilombero Sugar Company Limited	12.6	15	BEGL-2017-001	18/04/2017	17/04/2032
7	Shanta Mine Co. Ltd	8.2	15	BEGL-2018-001	02/02/2018	01/02/2033
8	Kilombero Plantations Limited	1.7	15	EGL-2018-001	30/08/2018	29/08/2033
9	Stamigold Company Limited	7.0	15	BEGL-2019-002	22/03/2019	21/03/2034
10	ALAF Limited	4.0	5	EGOWL-2025-008	26/09/2025	25/09/2030
11	North Mara Goldmine Ltd	18.0	5	EGOWL-2020-001	27/11/2020	26/11/2025
12	Bulyanhulu Goldmine Ltd	40.0	5	EGOWL-2020-002	30/12/2025	29/12/2030
13	Dangote Cement Limited	50.0	5	EGOWL-2021-001	28/06/2021	27/06/2026
14	Bagamoyo Sugar Limited	5.0	5	EGOWL-2025-010	09/09/2022	08/09/2027
15	Kagera Sugar Ltd.	27.2	15	EGOWL-2022-003	18/04/2017	17/04/2032
16	Tanzania Cigarette Public Ltd. Co.	4.7	5	EGOWL-2024-001	01/11/2024	31/10/2029
17	Mufindi Paper Mills Ltd	10.4	5	EGOWL-2024-002	29/11/2024	28/11/2029
18	Mtibwa Sugar Estates Ltd	15.0	5	EGOWL-2024-003	29/11/2024	28/11/2029
19	Kioo Ltd	12.2	5	EGOWL-2025-001	31/01/2025	30/01/2030
20	Gas Co. (T) Ltd (Lindi)	10.7	5	EGOWL-2025-002	31/01/2025	30/01/2030
21	Gas Co. (T) Ltd (Mtwara)	3.2	5	EGOWL-2025-003	31/01/2025	30/01/2030
22	Nyati Mineral Sands Ltd.	2.0	5	EGOWL-2025-005	28/03/2025	27/03/2030
23	SBC Tanzania Ltd.	4.5	5	EGOWL-2025-004	27/03/2025	26/03/2030
24	TPDC	1.2	5	EGOWL-2025-005	30/05/2025	29/05/2030
25	Geita Gold Mining Ltd.	47.0	5	EGOWL-2025-006	27/06/2025	26/06/2030
26	Maweni Limestone Ltd.	30.0	5	EGOWL-2025-007	27/06/2025	26/06/2030
27	Buckreef Gold Co. Ltd	4.7	5	EGOWL-2025-009	05/11/2025	04/11/2030
28	Kiliflora	0.2	10	VARIOUS	VARIUS	VARIUS
29	Tembo	0.3	10	VARIOUS	VARIUS	VARIUS
30	Nasra	0.8	10	VARIOUS	VARIUS	VARIUS
	TOTAL	**390.2**				

(c). Electricity Transmission Licence

S/N	Name of Licensee	Project Area	Capacity (km)	Duration (Years)	License Number	Date of Issue	Date of Expiry
1	TANESCO	Mainland Tanzania	6110.28	20	ETL-2021-001	1-Mar-2013	28-Feb-2033

(d). Electricity Cross-Border Trade Licence

S/N	Name of Licensee	Project Area	Duration (Years)	License Number	Date of Issue	Date of Expiry
1	TANESCO	Mainland Tanzania	20	ECBTL-2021-001	1-Mar-2013	28-Feb-1933

(e). Electricity System Operation Licence

S/N	Name of Licensee	Project Area	Duration (Years)	License Number	Date of Issue	Date of Expiry
1	TANESCO	Mainland Tanzania	20	SOL – 2025 – 001	26-Sep-2025	25-Sep-1945

(f). Electricity Distribution Licences

S/N	Name of Licensee	Project Area	Length (km)	Customers	Duration (Years)	License Number	Date of Issue	Date of Expiry
1	TANESCO	Mainland Tanzania	163,296.06	4,400,070	20	ESL-2013-001	1-Mar-2013	28-Feb-2033
2	Mwenga Power Services Ltd.	Mufindi & Njombe	495.10	5,636	15	EDL-2013-005	30-Apr-2013	29-Apr-2028
	Total		**163,791.16**					

(g). Electricity Supply Licence

S/N	Name of Licensee	Project Area	Customer	Duration (Years)	License Number	Date of Issue	Date of Expiry
1	TANESCO	Mainland Tanzania	4,400,070	20	ESL-2021-001	1-Mar-2013	28-Feb-1933

(a). Provisional Electricity Generation Licenses

No.	Name of Power Plant	Region	Fuel	Capacity (MW)	Duration (Years)	License No.	Date of Issue	Date of Expiry
1	Suma Hydro Limited	Rungwe	Hydro	4	3	PEGL-2023-001	18/Feb/23	17/Feb/26
2	Bugando Natural Energy Limited	Magu	Solar	5	3	PEGL-2023-002	25/Jul/23	24/Jul/26
3	Lilondi Hydropower Limited	Ruvuma	Hydro	4.5	3	PEGL-2023-003	12/Sep/23	11/Sep/26
4	Armstone Hydro Limited	Uvinza	Hydro	5.34	2	PEGL-2025-001	31/Jan/25	30/Jan/28
5	Armstone Hydro Limited	Kakonko	Hydro	3	2	PEGL-2025-002	31/Jan/25	30/Jan/28
6	Puissance Associates Limited	Bunda	Solar	5	2	PEGL-2025-003	27/Feb/25	26/Feb/28
7	Tanzania Tooku Garments Company Limited	Ubungo	Solar	3	2	PEGL-2025-004	27/Feb/25	26/Feb/28
8	Wagonanze Investment Limited	Kondoa	Solar	5	3	PEGL-2025-005	27/Mar/25	26/Mar/28
9	Luponde Hydro Limited	Njombe	Hydro	2	3	PEGL-2025-006	27/Mar/25	26/Mar/28
10	Tangulf Nakatuta Energy Co. Ltd	Ruvuma	Hydro	10	1	PEGL-2025-007	25/Apr/25	11/Sep/26
11	Lung'ali Natural Resources Company Limited	Iringa	Hydro	1.2	3	PEGL-2025-008	25/Apr/25	24/Apr/28
12	Mwenga Hydro Limited	Iringa	Hydro	2.5	3	PEGL-2025-009	30/May/25	29/May/28
13	A TO Z Textile Mills Ltd	Arusha	Solar	2.5	3	PEGL-2025-010	1/Aug/25	31/Jul/28
14	Tanzania Portland Cement Public Limited Company	Dar es salaam	Solar	15	3	PEGL-2025-011	26/Sep/25	25/Sep/28
15	Mwenga Hydro Limited	Iringta	Wind	1.6	3	PEGL-2025-012	26/Sep/25	25/Sep/28
16	SSI Energy Tanzania Limited	Shinyanga	Solar	10	3	PEGL-2025-013	26/Sep/25	25/Sep/28
17	Quality Packaging Tanzania Limited	Coast	Solar	8	3	PEGL-2025-014	29/Dec/25	28/Dec/28
18	Royal Soap and Detergent Industries Limited	Dar es salaam	Gas	2.45	3	PEGL-2025-015	29/Dec/25	28/Dec/28

Annex 4: Total Registered Entities Selling Electricity

No.	Project Area Mini Grid	Generation Capacity (KW)	Registration No.	Duration (Years)	Date of Issue	Date of Expiry	Customer served	Line Length (km)	
								0.23/0.4kV	11/33kV
A.	**Darakuta Hydropower Development Co. Limited (Generating using Hydro, located in the Main Grid and sells to TANESCO)**								
1.	Magugu – Babati District, Manyara Region	450	NA	10	03-Jul-13	02-Jul-23	1	0	0
	Sub-Total	**450**					**1**	**0**	**0**
B.	**Yovi Hydropower Company Limited (Generating using Hydro, located in the Main Grid and sells to TANESCO)**								
1.	Msolwa - Kilosa District, Morogoro Region	995	CRG - 2019 - 009	10	16-Apr-19	15-Apr-29	1	0	0
	Sub-Total	**995**					**1**	**0**	**0**
C.	**PowerCorner Tanzania Limited (generating and distributing using solar, located in off-grid and sells to customers)**								
1	Orkejuloongishu Village, Ketumbeine Ward, Longido District,	15.6	CRG-2016-001 & CRD-2016-001	10	6 October 2016	5 October 2026	81	2	0
2	Mbaya Village, Liwale District, Lindi Region	30	CRG-2018-005 & CRD-2018-005	10	31 October 2018	30 October 2028	270	13.3	0
3	Nakopi Village, Nanyumbu District, Lindi Region	30	CRG-2018-006 & CRD-2018-006	10	31 October 2018	30 October 2028	250	9.8	0
4	Barikiwa Village, Liwale District, Lindi Region	30	CRG-2018-007 & CRD-2018-007	10	31 October 2018	30 October 2028	272	16.5	0
5	Mwenge Village, Sikonge District, Tabora Region	28	CRG-2019-014 & CRD-2019-014	10	1 July 2019	30 June 2029	362	16.9	0
6	Mgambo Village, Sikonge District, Tabora Region	20	CRG-2019-015 & CRD-2019-015	10	1 July 2019	30 June 2029	222	9.7	0
7	Kiegei Village, Nachingwea District, Lindi Region	16	CRG-2019-016 & CRD-2019-016	10	18 December 2019	17 December 2029	256	12.8	0
8	Matekwe Village, Nachingwea District, Lindi Region	12	CRG-2019-017 & CRD-2019-017	10	18 December 2019	17 December 2029	161	9.8	0
9	Lukumbule Village, Nachingwea District, Lindi Region	40.5	CRG-2019-018 & CRD-2019-018	10	18 December 2019	17 December 2029	257	16.3	0
10	Kagerankanda Village, Kasulu District, Kigoma Region	44	CRG-2019-019 & CRD-2019-019	10	18 December 2019	17 December 2029	442	17.6	0

11	Kalya Village, Uvinza District, Kagoma Region	28	CRG-2019-020 & CRD-2019-020	10	18 December 2019	17 December 2029	314	19.7	0
12	Hololа Village, Nanyumbu District, Mtwara	16	CRG-2019-021 & CRD-2019-021	10	27 December 2019	26 December 2029	126	7.6	0
	Sub-Total	**310.1**					**3013**	**152.00**	**0**
D.	**Watu na Umeme Limited (generating and distributing using solar, located in the off-grid area and sale to customers)**								
1	Mpale, Korogwe District, Tanga Region	48	CRG-2018-001& CRD-2018-001	10	23 April 2018	22 April 2028	256	7.75	0
	Sub-Total	**48**					**256**	**7.75**	**0**
G.	**Power Gen Renewable Energy Limited (generating and distributing using solar, located in the off-grid area and sales to customers)**								
1	London Village, Manyoni District, Singida Region.	16	CRG-2018-003 & CRD-2018-003	10	20 August 2018	19 August 2028	210	13	0
2	Ighombwe Village, Ikungi District, Singida Region.	3	CRG-2018-004 & CRD-2018-004	10	20 August 2018	19 August 2028	50	7.1	0
3	Bugalama Village, Ngara District, Kagera Region.	3.18	CRG-2019-001 & CRD-2019-001	10	11 January 2019	10 January 2029	52	2.4	0
4	Murusagamba Village, Ngara District, Kagera Region.	17.16	CRG-2019-002 & CRD-2019-002	10	11 January 2019	10 January 2029	177	8.8	0
5	Kalenge Village, Biharamulo District, Kagera Region.	16.18	CRG-2019-003 & CRD-2019-003	10	11 January 2019	10 January 2029	178	11.4	0
6	Nyantakara Village, Biharamulo District, Kagera Region.	17.18	CRG-2019-004 & CRD-2019-004	10	11 January 2019	10 January 2029	95	7	0
7	Mavota Village, Biharamulo District, Kagera Region.	17.18	CRG-2019-005 & CRD-2019-005	10	11 January 2019	10 January 2029	134	8.1	0
8	Nemba Village, Biharamulo District, Kagera Region.	23.52	CRG-2019-006 & CRD-2019-006	10	11 January 2019	10 January 2029	182	0	0
9	Leshata Village, Gairo District, Morogoro Region.	15.36	CRG-2019-007 & CRD-2019-007	10	28 March 2019	27 March 2029	145	7.5	0
10	Kitaita & Songambele Village, Gairo District, Morogoro Region.	15.36	CRG-2019-008 & CRD-2019-008	10	28 March 2019	27 March 2029	103	3.9	0
11	Itabagumba Village, Ziragula Island, Buchosa District, Mwanza Region	30.32	CRG-2019-010 & CRD-2019-010	10	1 July 2019	30 June 2029	218	9.3	0

12	Busenge Village, Yozu Island, Buchosa District, Mwanza Region	28.68	CRG-2019-011 & CRD-2019-011	10	1 July 2019	30 June 2029	181	10.1	0
13	Kanyara Village, Kasalazi island, Buchosa District, Mwanza Region	30.32	CRG-2019-012 & CRD-2019-012	10	1 July 2019	30 June 2029	251	12.2	0
14	Iglansoni Village, Ikungi District, Mwanza Region	23.96	CRG-2019-013 & CRD-2019-013	10	1 July 2019	30 June 2029	201	12.1	0
15	Lyegoba Island, Ukerewe District, Mwanza Region	30.32	CRG-2020-013 & CRD-2020-013	10	7 December 2020	6 December 1930	180	2.91	0
16	Bezi Island, Ilemela District, Mwanza Region	42.6	CRG-2020-014 & CRD-2020-014	10	7 December 2020	6 December 1930	340	3.59	0
17	Juma Island, Sengerema District, Mwanza Region	42.6	CRG-2020-015 & CRD-2020-015	10	7 December 2020	6 December 1930	180	7.64	0
18	Chembaya Island, Buchosa District, Mwanza Region	29.8	CRG-2020-016 & CRD-2020-016	10	7 December 2020	6 December 1930	155	2.55	0
19	Sozia Island, Bunda District, Mara Region	29.8	CRG-2020-017 & CRD-2020-017	10	7 December 2020	6 December 1930	130	15.1	0
20	Raranya Village, Rorya District, Mara region	6.36	CRG-2020-018 & CRD-2020-018	10	7 December 2020	6 December 1930	65	5.5	0
	Sub-Total	**438.88**					**3227**	**150.19**	**0**
H.	**Jumeme Rural Power Supply Ltd (generating and distributing using solar, located in the off-grid area and sale to customers)**								
1	Bwisya - Ukara Island	90		10	8 April 2016	7 April 2026	682	16.096	5.798
2	Kibumba village, Muleba District	10	CRG-2020-001 & CRD-2020-001	10	14 May 2020	13 May 2030	70	1.572	0
3	Kasenyi village, Muleba District	20	CRG-2020-002 & CRD-2020-002	10	14 May 2020	13 May 2030	334	3.022	0
4	Nabweko village, Ukerewe District	100	CRG-2020-003 & CRD-2020-003	10	14 May 2020	13 May 2030	557	25.388	3.276
5	Kerebe village, Muleba District	35	CRG-2020-004 & CRD-2020-004	10	14 May 2020	13 May 2030	279	2.503	0
6	Goziba village, Muleba District	45	CRG-2020-005 & CRD-2020-005	10	14 May 2020	13 May 2030	379	3.635	0

7	Lukuba village, Musoma District	10	CRG-2020-006 & CRD-2020-006	10	14 May 2020	13 May 2030	155	4.732	0
8	Kanoni village, Buchosa District	100	CRG-2020-007 & CRD-2020-007	10	14 May 2020	13 May 2030	666	18.457	7.05
9	Bunyozi village, Muleba District	45	CRG-2020-008 & CRD-2020-008	10	14 May 2020	13 May 2030	417	7.004	0
10	Mahaiga village, Muleba District	20	CRG-2020-009 & CRD-2020-009	10	14 May 2020	13 May 2030	210	1.418	0
11	Bukiko village, Ukerewe District	100	CRG-2020-010 & CRD-2020-010	10	14 May 2020	13 May 2030	708	20.836	7.61
12	Chifule village, Ukerewe District	100	CRG-2020-011 & CRD-2020-011	10	14 May 2020	13 May 2030	544	18.538	5.49
13	Herembe village, Uvinza District	56	CRG-2021-001 & CRD-2021-001	10	1 June 2021	31 May 2031	323	8.56	0.87
14	Igalula village, Uvinza District	56	CRG-2021-002 & CRD-2021-002	10	1 June 2021	31 May 2031	712	10.18	2.17
15	Kashagulu village, Uvinza District	102	CRG-2021-003 & CRD-2021-003	10	1 June 2021	31 May 2031	831	9.3	0
16	Katumbi village, Uvinza District	20	CRG-2021-004 & CRD-2021-004	10	1 June 2021	31 May 2031	367	4.06	0
17	Lubengela village, Uvinza District	20	CRG-2021-005 & CRD-2021-005	10	1 June 2021	31 May 2031	337	3.73	0
18	Mgambo village, Uvinza District	72	CRG-2021-006 & CRD-2021-006	10	1 June 2021	31 May 2031	513	8.27	1.67
19	Nkona village, Uvinza District	36	CRG-2021-007 & CRD-2021-007	10	1 June 2021	31 May 2031	280	5.45	0
20	Rukoma village, Uvinza District	46	CRG-2021-008 & CRD-2021-008	10	1 June 2021	31 May 2031	641	13.14	0
21	Sibwesa village, Uvinza District	92	CRG-2021-009 & CRD-2021-009	10	1 June 2021	31 May 2031	682	8.71	0
22	Sigunga village, Uvinza District	56	CRG-2021-010 & CRD-2021-010	10	1 June 2021	31 May 2031	773	13.83	4.75
	Sub-Total	**1231**					**10460**	**208.431**	**38.684**

	Total	**3472.98**					**16958**	**518.371**	**38.684**

GENERAL SUMMARY FOR ALL COMPANIES

A	**Generation Capacity (kW)**	**2020/21**	**2021/22**	**2022/23**	**%±**	**Description**
1	Total VSPP (kW)_Hydro + Solar	3,620.51	3,620.51	3472.98	23%	All registered entities
2	Total_VSPP_solar_Main Grid	0	0	0	0%	No registered entity in this category
3	Total_VSPP_Solar_Off Grid	2,175.50	2,175.50	2027.98	33%	PowerCorner (310.10kW) + Watu na Umeme (48.00kW) + Powergen (438.88kW) + Jumeme (1,231.00kW).
4	Total_VSPP_Hydro_Main Grid	1,315.00	1,315.00	1445	0%	Darakuta (450kW) +Yovi (995kW)
5	Total_VSPP_Hydro_Off Grid	0	0	0	0%	No registered entity in this category
6	Total_VSPP_Main-Grid (2+4)	1,315.00	1,315.00	1445	0%	Darakuta (450kW) +Yovi (995kW)
7	Total_VSPP_Off-Grid (3+5)	2,175.50	2,175.50	2027.98	33%	PowerCorner (310.10kW) + Watu na Umeme (48.00kW) + Powergen (438.88kW) + Jumeme (1,231.00kW).
B	**Number of Customer**	**2020/21**	**2021/22**	**2022/23**	**%±**	
8	Total VSPP _Hydro + Solar	16,661	16,661	16958	34%	All registered entities
9	Total_VSPP_solar_Main Grid	0	0	0	0%	No registered entity in this category
10	Total_VSPP_Solar_Off Grid	16,661	16,661	16956	91%	PowerCorner (3,013) + Watu na Umeme (256) + Powergen (3,227) + Jumeme (10,460).
11	Total_VSPP_Hydro_Main Grid	2	2	2	0%	Darakuta (1) +Yovi (1) – all sell to TANESCO
12	Total_VSPP_Hydro_Off Grid	0	0	0	0%	No registered entity in this category
13	Total_VSPP_Main-Grid (9+11)	2	2	2	0%	Darakuta (1) +Yovi (1) – all sell to TANESCO
14	Total_VSPP off-Grid (10+12)	16,659	16,659	16956	34%	PowerCorner (3,013) + Watu na Umeme (256) + Powergen (3,227) + Jumeme (10,460).
C	**Infrastructure Line length (km)**	**2020/21**	**2021/22**	**2022/23**		
15	Total VSPP _Hydro + Solar	544.91	544.91	557.055	34%	All registered entities
16	Total_VSPP_solar_Main Grid	0	0	0	0%	No registered entity in this category
17	Total_VSPP_Solar_Off Grid	544.91	544.91	557.055	91%	PowerCorner (152) + Watu na Umeme (7.75) + Powergen (150) + Jumeme (247.115)
18	Total_VSPP_Hydro_Main Grid	0	0	0	0%	Darakuta (0) +Yovi (0) – all are generating only
19	Total_VSPP_Hydro_Off Grid	0	0	0	0%	No registered entity in this category
20	Total_VSPP_Main-Grid	0	0	0	0%	Darakuta (0) +Yovi (0) – all are generating only
21	Total_VSPP off-Grid	544.91	544.91	557.055	34%	PowerCorner (152) + Watu na Umeme (7.75) + Powergen (150) + Jumeme (247.115).

Annex 5: Power Purchase Agreement

♦♦♦

S/N	Name of Developer	Capacity (MW)	Energy Source	Location	COD-Signing Date	Expire Date	Status
1	Darakuta Hydropower Development Co. Ltd.	0.32	Hydro	Magugu – Babati	01-Apr-16	31-Mar-31	Operational
2	Matembwe Village Community Co. Ltd.	0.49	Hydro	Njombe	01-Nov-16	31-Oct-31	Operational
3	Mwenga Hydro Limited	3.60	Hydro	Mufindi	27-Sept-12	26-Sept-27	Operational
4	Tulila Hydro Electric Plant Co. Ltd.	5.00	Hydro	Songea	01-Sept-15	30-Aug-30	Operational
5	Andoya Hydro Electric Power Co. Ltd.	1.00	Hydro	Mbinga	20-Mar-15	19-Mar-30	Operational
6	Ngombeni Power Limited	1.40	Biomass	Mafia	01-Feb-14	31-Jan-29	Operational
7	Tanganyika Planting Co. Ltd.	9.00	Biomass	Moshi	16-Sept-15	15-Sept-25	Operational
8	Tanganyika Wattle Co. Ltd.	1.50	Biomass	Njombe	26-Jun-25	25-Jun-35	Operational
9	NextGen Solawazi Ltd.	5.00	Solar	Kigoma	29-May-21	28-May-41	Operational
10	Yovi Hydro Power Plant	1.00	Hydro	Morogoro	14-Nov-16	13-Nov-31	Operational
11	Luponde Hydro Power Plant	0.90	Hydro	Njombe	28-Feb-21	27-Feb-41	Operational
12	Madope Hydro Power Plant	0.70	Hydro	Njombe	28-Mar-23	27-Mar-43	Operational
13	Bagamoyo Sugar Ltd.	1.50	Biomass	Bagamoyo, Pwani	01-Jun-23	31-May-43	Operational
14	Zanzibar Electricity Corporation (ZECO)	145.00	Export	Zanzibar	07-Nov-23	06-Nov-53	Operational
15	Rusumo Power Co. Ltd	26.67	Hydro	Ngara, Kagera	30-Sept-23	29-Sept-73	Operational
16	Uganda Electricity Transmission Co. Ltd	7.00	Import	Uganda	02-Feb-22	01-Feb-42	Operational
17	Uganda Electricity Transmission Co. Ltd	30.00	Import	Uganda	17-Aug-23	16-Aug-26	Operational
18	Nishati Lutheran (DKK) Investment Ltd.	0.36	Hydro	Makete, Njombe	12-Sept-23	11-Sept-43	Operational
19	Zambia Electricity Supply Co. Ltd (ZESCO)	20.00	Import	Zambia	01-Sept-17	31-Aug-27	Operational
20	FGS Ecoenergy Ltd.	10.00	Solar	Msalala, Shinyanga	23-Jul-24	23-Jul-44	Construction not commenced
21	FGS Ecoenergy Ltd.	5.00	Solar	Newala, Mtwara	27-Jun-24	27-Jun-44	Construction not commenced
22	Maximum Power Tanzania Ltd.	7.00	Solar	Nsimbo , Katavi	23-Jul-24	23-Jul-44	Construction not commenced
23	Oreon Renewables Ltd.	5.00	Solar	Kaliua, Tabora	23-Jul-24	23-Jul-44	Construction not commenced
24	Oreon Renewables Ltd.	5.00	Solar	Mbozi, Songwe	23-Jul-24	23-Jul-44	Construction not commenced
25	Hareketpower Co. Ltd.	5.00	Solar	Kongwa , Dodoma	27-Jun-24	27-Jun-44	Construction not commenced
26	Hareketpower Co. Ltd.	5.00	Solar	Igunga , Tabora	27-Jun-24	27-Jun-44	Construction not commenced
27	Hareketpower Co. Ltd.	6.00	Solar	Mbarali , Mbeya	27-Jun-24	27-Jun-44	Construction not commenced

S/N	Name of Developer	Capacity (MW)	Energy Source	Location	COD-Signing Date	Expire Date	Status
28	Mwenga Hydro Ltd.	4.00	Hybrid	Mufindi, Iringa	30-Apr-24	30-Apr-44	Construction not commenced
29	Africa Power Investment	8.00	Hydro	Hai, kilimanjaro	29-Feb-24	29-Feb-44	Construction not commenced
30	Lilondi Hydro Power	4.50	Hydro	Madaba , Ruvuma	20-Jun-24	20-Jun-44	Construction not commenced
31	LUCSEC Company Limited	3.00	Hydro	Ludewa, Njombe	21-Mar-24	21-Mar-44	Construction not commenced
32	Maximum Power Tanzania Ltd.	5.00	Solar	Nkasi, Rukwa	21-Mar-24	21-Mar-44	Construction not commenced
33	BXC Tanzania Ltd.	5.00	Solar	Kahama, Shinyanga	21-Mar-24	21-Mar-44	Operational
34	BXC Tanzania Ltd.	5.00	Solar	Bukombe, Geita	21-Mar-24	21-Mar-44	Construction not commenced
35	FGS Ecoenergy Ltd.	6.00	Hydro	Kigoma Rural , Kigoma	09-Apr-24	09-Apr-44	Construction not commenced
36	FGS Ecoenergy Ltd.	5.00	Hydro	Muleba, Kagera	09-Apr-24	09-Apr-44	Construction not commenced
37	CESNE Energy Ltd.	5.80	Solar	Uyui, Tabora	21-Mar-24	21-Mar-44	Construction not commenced
38	SSI Energy	10.00	Solar	Kahama, Shinyanga	02-Apr-24	02-Apr-44	Construction on progress
39	Ninety-Two Ltd.	1.90	Hydro	Ngorongoro, Arusha	04-Mar-24	04-Mar-44	Construction not commenced
40	ZBS Investment Ltd.	8.00	Solar	Rorya, Mara	13-Nov-23	13-Nov-43	Construction not commenced
41	ZBS Investment Ltd.	6.00	Solar	Kiteto, Manyara	13-Nov-23	13-Nov-43	Construction not commenced
42	Convivium Investment	5.00	Solar	Misungwi, Mwanza	31-Oct-23	31-Oct-43	Construction not commenced
43	Suma Hydro Power Ltd	4.00	Hydro	Rungwe, Mbeya	23-Jan-23	23-Jan-43	Construction on progress
44	Mofajusi Investment Ltd	3.00	Hydro	Tanganyika, Katavi	24-Apr-23	24-Apr-43	Construction not commenced
45	Franciscan Sisters of Charity	1.00	Hydro	Kilombero, Morogoro	21-Mar-23	21-Mar-43	Construction on progress
46	Infinite Power Resources Ltd	5.00	Solar	Songwe, Songwe	22-Nov-23	22-Nov-43	Construction not commenced
47	Infinite Power Resources Ltd	8.00	Solar	Chunya, Mbeya	22-Nov-23	22-Nov-43	Construction not commenced
48	Ruaha Energy	2.00	Solar	Mpwapwa, Dodoma	19-Dec-23	19-Dec-43	Construction not commenced
49	Ruaha Energy	0.56	Hydro	Tukuyu, Mbeya	19-Dec-23	19-Dec-43	Construction not commenced
50	Tuliani Hydro Power Co. Ltd.	5.00	Hydro	Mvomero, Morogoro	25-Apr-25	25-Apr-45	Construction not commenced
51	Bugando Natural Energy Ltd.	5.00	Solar	Magu, Mwanza	27-Feb-23	27-Feb-43	Construction not commenced
52	Lung'ali Natural Resources Co. Ltd.	1.28	Hydro	Kilolo, Iringa	24-Apr-25	24-Apr-45	Construction on progress
53	Rukwa Generating Co. Ltd	0.95	Hydro	Sumbawanga, Rukwa	24-Oct-22	24-Oct-42	Construction on progress
54	Bwelui Co. Ltd.	4.70	Hydro	Ileje, Songwe	09-Oct-22	09-Oct-42	Construction not commenced
55	Tangulf Nakakuta Energy Co. Ltd.	5.00	Hydro	Songea, Ruvuma	29-May-24	29-May-44	Construction not commenced
56	Luponde Hydro Ltd.	2.00	Hydro	Njombe, Njombe	23-Jan-23	23-Jan-43	Construction on progress

S/N	Name of Developer	Capacity (MW)	Energy Source	Location	COD-Signing Date	Expire Date	Status
57	JUMEME Rural Power Supply	1.00	Solar	Sumbawanga, Rukwa	29-Apr-22	29-Apr-42	Construction not commenced
58	JUMEME Rural Power Supply	1.00	Solar	Mpanda, Katavi	29-Apr-22	29-Apr-42	Construction not commenced
59	BXC Tanzania Ltd.	10.00	Solar	Bukombe, Geita	17-Sept-24	17-Sept-44	Construction on progress
60	BXC Tanzania Ltd.	7.00	Solar	Simanjiro, Manyara	17-Sept-24	17-Sept-44	Construction on progress
61	Armstone Hydro Ltd.	5.34	Hydro	Uvinzat, Kigoma	30-Apr-25	30-Apr-45	Construction not commenced
62	Armstone Hydro Ltd.	2.27	Hydro	Kakonko, Kigoma	06-May-25	06-May-45	Construction not commenced
63	African Benedictine Sisters of St. Agnes of St. Gertrud Imiliwaha Convent	0.32	Hydro	Njombe, Ruvuma	30-Apr-25	30-Apr-45	Construction not commenced
64	Kilombero Sugar Co. Ltd.	10.00	Biomass	Bukombe, Geita	24-Apr-25	24-Apr-45	Construction not commenced
65	Mkulazi Holdings Ltd	8.00	Biomass	Kilosa, Morogoro	21-Apr-22	21-Apr-42	Operational
66	Rusumo Power Co. Ltd	26.67	Hydro	Ngara, Kagera	29-Sept-23	28-Sept-73	Operational
67	Songas Tanzania Ltd.	189.00	Gas	Dar es Salaam	01-Aug-24	31-Oct-24	Operational
	Total	**698.72**					

Annex 6: Published Tariffs for Registered Entities Selling Electricity to Customers

S/N	Description	Technology	Customer Category	Period	Unit	Approved Tariff			Effective Date
						2022	2023	2024	
1	The Electricity Powercorner Tanzania Limited ("Powercorner") (Tariff) Order, 2022	Solar	Small	Anytime	TZS/kWh	1,140	1,200	1,100	26 Aug 2022
			Medium		TZS/kWh	1,080	1,140	1,050	
			Large		TZS/kWh	940	990	910	
			Productive use		TZS/kWh	920	1,040	1,020	
2	The Electricity PowerGen Renewable Energy Limited ("PowerGen") (Tariff) Order, 2022	Solar	Residential	Anytime	TZS/kWh	1,500	1,500	1,500	26 Aug 2022
			Business		TZS/kWh	1,500	1,500	1,500	
			Productive Use		TZS/kWh	1,300	1,300	1,300	
			Public Institution		TZS/kWh	1,200	1,200	1,200	
3	Electricity (Watu na Umeme Tanzania Limited) (Watu na Umeme) (Tariff Adjustment for Electricity Service) Order, 2022	Solar	Basic Household	Anytime	TZS/kWh	1,306	1,306	1,306	18 Nov 2022
			Medium Household		TZS/kWh	1,086	1,086	1,086	
			Small Business/Public Institutions		TZS/kWh	941	941	941	
			Productive user		TZS/kWh	801	801	801	
4	The Electricity Jumeme Rural Power Supply ("Jumeme") (Tariff) Order, 2022	Solar	Residential Users	Day	TZS/kWh	1,470	1,690	1,710	26 Aug 2022
				Night	TZS/kWh	1,470	1,690	1,710	
			Commercial Users	Day	TZS/kWh	1,340	1,540	1,560	
				Night	TZS/kWh	1,440	1,650	1,670	
			Productive Users	Day	TZS/kWh	1,130	1,300	1,310	
				Night	TZS/kWh	1,350	1,550	1,570	
5	The Electricity (Husk Power System Limited) (Husk Power) (Tariff Adjustment for Electricity Service) Order, 2022	Solar	Basic Residential	Day	TZS/kWh	1,300	1,300	1,300	18 Nov 2022
				Night	TZS/kWh	1,300	1,300	1,300	
			Commercial	Day	TZS/kWh	1,300	1,300	1,300	
				Night	TZS/kWh	1,300	1,300	1,300	

Annex 7: The Electricity Standardized Small Power Projects Tariff

Note: *It was published on 21st June 2019, GN 464*

a) Tariff for SPPs Selling Electricity to the Grid Based on Specific Technology

Capacity	Mini hydro	Wind	Solar	Biomass	Bagasse
	USc[1]/kWh	USc/kWh	USc/kWh	USc/kWh	USc/kWh
0.1 - 0.5MW	10.65	10.82	10.54	10.15	9.71
0.51 - 1 MW	9.90	9.95	9.84	9.34	9.09
1.01 - 5MW	8.95	9.42	9.24	8.64	8.56
5.01 - 10MW	7.83	8.88	8.34	7.60	7.55

b) Tariffs for Main Grid Connection under the First Generation SPP Framework (Avoided Cost).

Description		Approved Tariff effective 1st May 2019 (TZS/kW
Standardized Small Power Purchase Tariff		203.11
Seasonally adjusted Standardized SPPT Payable i	Dry season	243.73
	Wet season	182.80

c) Entities in First Generation (Avoided Operational Cost-Based) Tariff

S/N	Name of Power Producer	Capacity (MW)	Source	Location
1.	TANWAT	1.50	Biomass	Njombe
2.	TPC Ltd	9.0	Biomass	Kilimanjaro
3.	Mwenga HPP	4.0	Hydro	Iringa
4.	Andoya HPP	1.0	Hydro	Ruvuma
5.	Matembwe HPP	0.4	Hydro	Njombe
6.	Tulila HPP	5.0	Hydro	Ruvuma
7.	Darakuta HPP	0.36	Hydro	Manyara
8.	Yovi HPP	1.0	Hydro	Morogoro
	Total	**22.26**		

[1] The prevailing exchange rate to be used

Annex 8: Tanzania Electric Supply Company Limited (TANESCO) Tariff

a) Approved TANESCO Tariff from 1st April 2016

Customer Category	Component	Unit	Approved Tariff
D1	Service charge	TZS/Month	0
	Energy charge (0-75kWh)	TZS/kWh	100
	Energy charge above 75kWh	TZS/kWh	350
T1	Service charge /month	TZS/Month	0
	Energy charge	TZS/kWh	292
	Maximum Demand charge	TZS/kVA/Month	0
T2	Service charge	TZS/Month	14,233
	Energy charge	TZS/kWh	195
	Maximum Demand Charge	TZS/kVA/Month	15,004
T3-MV	Service charge	TZS/Month	16,769
	Energy charge	TZS/kWh	157
	Maximum Demand Charge	TZS/kVA/Month	13,200
T3-HV	Service charge	TZS/Month	0
	Energy charge	TZS/kWh	152
	Maximum Demand Charge	TZS/kVA/Month	16,550

Key

D1: Low usage Tariff for Domestic Customers who, on average, consume less than 75kWh per month. Any unit exceeding 75kWh is charged a high rate of TZS 350 per kWh. Under this category, power is supplied at a low-voltage single-phase (230V

T1:General Usage Tariff for customers including residential, small commercial and light industrial use, Public lighting and billboards. Power is supplied at low voltage single phase (230V) as well as three phase (400V).

T2: Applicable to general use customers where power is metered at 400V and average consumption is more than 7,500kWh p meter reading period, and demand does not exceed 500kVA per meter reading period.

T3-MV: Applicable customers connected to Medium Voltage

T3-HV: Applicable customers connected to High Voltage, including ZECO, Bulyanhulu and Twiga cement.

b) Approved TANESCO Charges

i. Single Phase Charges

Service line	Approved Connection Charge (TZS)	
	Urban rate (VAT exclusive)	Rural rate (VAT inclusive)
Within 30 Meters	272,000	27,000
Within 70 Meters (one pole)	436,964	27,000
Within 120 Meters (two poles)	590,398	27,000

ii. Three Phase Charges for Urban and Rural Area

Service line	Meter Type	Approved Connection Charge (TZS)	
		Urban rate (VAT exclusiv	Rural rate (VAT exclusiv
Within 30 Meters (Cable 16mm^2)	LUKU	772,893	772,893
Within 30 Meters (Cable 16mm^2)	AMR		
Within 30 Meters (Cable 35mm^2)	LUKU		
Within 30 Meters (Cable 35mm^2)	AMR		
Within 70 Meters (one pole)	LUKU	1,058,801	1,058,801
Within 70 Meters (one pole)	AMR		
Within 120 Meters (two poles)	LUKU	1,389,115	1,389,115
Within 120 Meters (two poles)	AMR		

iii. Service line application fee

Tariff category	Approved Fee (TZS)
All customers	Nil

iv. Charges for Installation of Meter in Case of Damage Due to Meter Tempering/Broken

Customer category	Description	Approved Charges TZS (VAT exclusive
D1&T1	LUKU (Single Phase	60,000
	LUKU (Three Phase)	200,000
	AMR (Three Phase)	300,000
T2	CT – Operated Meters	1,200,000
T3	CT/CV- Operated Meters	1,200,000

v. Testing and Inspection of Installation Fee

Customer category	Approved charges in TZS (VAT exclusive)
D1	20,000
T1	20,000
T2	30,000
T3	50,000

vi. Temporary power supply charges

Customer Category	Description	Approved Charges in TZS (VAT exclusive)
T2	Connection Fee	Full cost plus 10%
T3		Full cost plus 10%
T2	Meter Deposit	200,000
T3		500,000

vii. Energy Deposit for Pos- Paid Meters

Customer category	Description	Approved Charges in TZS (VAT exclusive)
D1	Single Phase	30,000
T1	Single Phase	30,000
T1	Three Phase	150,000
T2	Three Phase	200,000
T3	Three Phase	500,000

Annex 9: Mwenga Hydro Limited Tariff

a) Approved Tariffs

Customer Category		Component	Approved Rates
D1		Basic Charge	0.00
	Domestic Low Usage	Energy Charge (0-50kWh/ Month)	60.00
	High-Cost Unit Penalty – High Usage	Energy Charge (50+ kWh/ Month	273.04
T1	All other customers inclusive of domestic users, averagi more than 50 kWh/Month	Energy Charge (inclusive of average fixed monthly service fee component)	234.04

Source: EWURA

b) Approved Service Line Connection Charges

Description	After the First 2600 Connections (TZS)	The First 2600 connections (subsidized) (TZS)
Application fees	5,000	5,000
(a) Overhead Service Line - Single Phase (30m)		
D1 with LUKU meter	385,682	180,000
T1 with LUKU meter	385,682	180,000
(b) Overhead Service Line - Three Phase (30m)		
T1 with LUKU meter (16mm2 cable)	772,893	380,000
T1 with LUKU meter (36mm2 cable)	913,202	450,000
(c) Single Phase 70m Route		
Single phase 70m route length - including 1 pole (LUKU)	1,145,664	850,000
(d) Three Phase 70m Route		
Three phase 70m route length - including 1 pole (LUKU)	1,799,062	1,300,000

Source: *EWURA*

Annex 10: Electricity Generation and Cross-Border Imports by Grid

♦♦♦

SECTION 1: SUMMARY

S/N	Description	Capacity (MW)	Energy (GWh)	Availability (%)	Utilization (%)
Part A	Main-Grid	4,052.07	10,297.25	60%	34%
Part B	Off-Grid	100.37	199.62	55%	23%
Part C	Own-Use	390.22	872.51	78%	31%
Part D	Cross-Boarder	67.00	288.87	100%	100%
Total	**NA**	**4,609.66**	**11,658.26**	**NA**	**NA**
Average	**NA**	**NA**	**NA**	**73%**	**47%**

♦♦♦

SECTION 2: DETAILS

S/N	Power Plant Name	Ownership	Licensee Name	Region	Fuel	Usage	Capacity (MW)	Energy (GWh)	Availability (%)	Utilization (%)
Part A	**Main-Grid**									
1	Julius Nyerere Hydro Power Plant	Public	TANESCO	Morogoro	Hydro	Sale	2,115.00	4,731.80	93%	38%
2	Kidatu Hydro Power Plant	Public	TANESCO	Morogoro	Hydro	Sale	204.00	849.70	95%	33%
3	Kihansi Hydro Power Plant	Public	TANESCO	Morogoro	Hydro	Sale	180.00	545.47	96%	48%
4	Mtera Hydro Power Plant	Public	TANESCO	Iringa	Hydro	Sale	80.00	375.44	99%	57%
5	New Pangani Falls Hydro Power Plant	Public	TANESCO	Tanga	Hydro	Sale	68.00	267.86	98%	55%
6	Rusumo Hydro Power Plant	Public	TANESCO	Kagera	Hydro	Sale	26.67	108.96	88%	63%
7	Hale Hydro Power Plant	Public	TANESCO	Tanga	Hydro	Sale	21.00	-		
8	Nyumba ya Mungu Hydro Power Plant	Public	TANESCO	Kilimanjaro	Hydro	Sale	8.00	44.39	99%	43%
9	Uwemba Hydro Power Plant	Public	TANESCO	Njombe	Hydro	Sale	0.84	1.02	62%	3%

10	Ubungo Gas Power Plant-1	Public	TANESCO	Dar es Salaam	Gas	Sale	102.00	309.85	63%	50%
11	Tegeta Gas Power Plant	Public	TANESCO	Dar es Salaam	Gas	Sale	45.00	184.44	82%	66%
12	Ubungo Gas Power Plant-2	Public	TANESCO	Dar es Salaam	Gas	Sale	129.00	744.12	97%	120%
13	Ubungo Gas Power Plant-3	Public	TANESCO	Dar es Salaam	Gas	Sale	92.50	312.93	86%	55%
14	Kinyerezi Gas Power Plant-1 (Extention)	Public	TANESCO	Dar es Salaam	Gas	Sale	335.00	531.23	98%	25%
15	Kinyerezi Gas Power Plant-2	Public	TANESCO	Dar es Salaam	Gas	Sale	248.22	1,136.70	96%	69%
16	ZUZU Diesel Power plant	Public	TANESCO	Dodoma	Diesel	Sale	7.44	0.00	100%	100%
17	Nyakato Diesel Power Plant	Public	TANESCO	Mwanza	Diesel	Sale	63.00	11.42	60%	2%
18	Biharamulo Thermal Power Plant	Public	TANESCO	Kagera	Diesel	Sale	2.72	-	0%	0%
19	Songea Diesel Power Plant	Public	TANESCO	Ruvuma	Diesel	Sale	5.74	-	0%	0%
20	Liwale Diesel Power Plant	Public	TANESCO	Lindi	Diesel	Sale	0.85	-	0%	0%
21	Tunduru Diesel Power Plant	Public	TANESCO	Ruvuma	Diesel	Sale	1.05	-	0%	0%
22	Ludewa Diesel Power Plant	Public	TANESCO	Njombe	Diesel	Sale	1.27	-	0%	0%
23	Mbinga Diesel Power Plant	Public	TANESCO	Ruvuma	Diesel	Sale	1.00	-	0%	0%
24	Loliondo Diesel Power Plant	Public	TANESCO	Arusha	Diesel	Sale	1.00	-	0%	0%
25	Ngara Diesel Power Plant	Public	TANESCO	Kagera	Diesel	Sale	1.25	-	0%	0%
26	Kasulu Diesel Power Plant	Public	TANESCO	Kigoma	Diesel	Sale	4.55	-	0%	0%
27	Kibondo Diesel Power Plant	Public	TANESCO	Kigoma	Diesel	Sale	2.50	-	0%	0%
28	Kigoma Diesel Power Plant	Public	TANESCO	Kigoma	Diesel	Sale	8.75	-	0%	0%
29	Inyonga Diesel Power Plant	Public	TANESCO	Katavi	Diesel	Sale	1.93	-	0%	0%
30	Kishapu Solar Power Plant	Public	TANESCO	Shinyanga	Solar	Sale	50.00	40.00	95%	25%

31	Songas	Private	SONGAS	Dar es Salaam	Gas	Sale	189.00	-	99%	18%
32	Tanganyika Plantation Co. Ltd.	Private	Tanganyika Plantation Co. Ltd.	Kilimanjaro	Biomass	Sale	9.00	29.80	60%	24%
33	Tanganyika Wattle Co. Ltd.	Private	Tanganyika Wattle Co. Ltd	Njombe	Biomass	Sale	1.50	2.14	50%	35%
34	Mwenga Hydro Ltd (Hydro)	Private	Mwenga Hydro Ltd (Hydro)	Iringa	Hydro	Sale	4.00	19.52	83%	94%
35	Tulila Hydro Electric Plant Co. Ltd.	Private	Tulila Hydro Electric Plant Co. Ltd	Ruvuma	Hydro	Sale	7.50	29.38	98%	75%
36	Andoya Hydro Electric Power Co. Ltd	Private	Andoya Hydro Electric Power Co. Ltd	Ruvuma	Hydro	Sale	1.00	1.20	80%	18%
37	Ngombeni Power Ltd.	Private	Ngombeni Power Ltd.	Coast	Biomass	Sale	1.40	-		
38	Luponde Hydro Ltd.	Private	Luponde Hydro Limited	Njombe	Hydro	Sale	1.06	2.82	80%	31%
39	Madope Hydro Co. Ltd.	Private	Madope Hydro Company Limited	Njombe	Hydro	Sale	1.84	-		
40	Mwenga Hydro Ltd (Wind)	Private	Mwenga Hydro Ltd (Wind)	Iringa	Wind	Sale	2.40	4.36	75%	94%
41	Nextgen Solawazi Ltd.	Private	Nextgen Solawazi Limited	Kigoma	Solar	Sale	5.00	2.11	80%	5%
42	Mkulazi Holding Co. Ltd.	Public	Mkulazi Holding Co. Ltd.	Morogoro	Biomass	Sale	7.00	-	100%	32%
43	BXC Tanzania Ltd.	Private	BXC Tanzania Ltd.	Shinyanga	Solar	Sale	5.00	1.00	80%	32%
44	BXC Tanzania Ltd.	Private	BXC Tanzania Ltd.	Shinyanga	Solar	Sale	5.00	1.00	80%	32%
45	Yovi Hydro Power Co.Ltd	Private	Yovi Hydro Power Co.Ltd	Morogoro	Hydro	Sale	0.95	4.42	90%	54%
46	Darakuta Hydro Power Development Co.Ltd	Private	Darakuta Hydro Power Development Co.Ltd	Manyara	Hydro	Sale	0.42	1.88	90%	68%
47	Matembwe Village Co.Ltd	Private	Matembwe Village Co.Ltd	Njombe	Hydro	Sale	0.59	-		
48	Matembwe	Private	Matembwe	Njombe	Hydro	Sale	0.43	0.87	23%	23%
49	Madope	Private	Madope	Njombe	Hydro	Sale	0.70	1.41	23%	23%
	Sub -Total						**4,052.07**	**10,297.25**	**60%**	**34%**
Part B	**Off-Grid**									
1	Mtwara I Gas Power Plant	Public	TANESCO	Mtwara	Gas	Sale	30.40	75.68	94%	44%

2	Mtwara II Gas Power Plant	Public	TANESCO	Mtwara	Gas	Sale	40.00	90.03	78%	70%
3	Somanga Gas Plant	Public	TANESCO	Lindi	Gas	Sale	7.50	8.13	58%	5%
4	Bukoba Thermal Power Plant	Public	TANESCO	Kagera	Diesel	Sale	2.56	0.01	100%	0%
5	Mafia Diesel Power Plant	Public	TANESCO	Coast	Diesel	Sale	5.20	7.17	50%	17%
6	Sumbawanga Diesel Power Plant	Public	TANESCO	Rukwa	Diesel	Sale	5.00	0.25	100%	1%
7	Mpanda Diesel Power Plant	Public	TANESCO	Katavi	Diesel	Sale	7.50	13.91	98%	27%
8	E.ON	Private	E.ON	Arusha	Solar	Sale	0.03	0.06	23%	23%
9	Watu na Umeme	Private	Watu na Umeme	Dar es Salaam	Solar	Sale	0.05	0.10	23%	23%
10	Ruaha	Private	Ruaha	Morogoro	Solar	Sale	0.13	0.26	23%	23%
11	Powercorner	Private	Powercorner	Arusha	Solar	Sale	0.31	0.62	23%	23%
12	PowerHut	Private	PowerHut	Dar es Salaam	Solar	Sale	0.44	0.88	23%	23%
13	Jumeme	Private	Jumeme	Mwanza	Solar	Sale	1.25	2.52	23%	23%
	Sub -Total						**100.37**	**199.62**	**55%**	**23%**
Part C	**Own-Use**									
1	Tanganyika Plantation Co. Ltd.	Private	Tanganyika Plantation Co. Ltd.	Kilimanjaro	Biomass	Own-Use	33.50	40.96	60%	24%
2	Tanganyika Wattle Co. Ltd.	Private	Tanganyika Wattle Co. Ltd	Njombe	Biomass	Own-Use	1.25	0.00	50%	35%
3	Mkulazi Holding Co. Ltd.	Public	Mkulazi Holding Co. Ltd.	Morogoro	Biomass	Own-Use	8.00	10.73	100%	32%
4	Lake Cement Ltd.	Private	Lake Cement Ltd.	Dar es Salaam	Coal	Own-Use	15.40	0.02	62%	62%
5	Tanga Cement Public Ltd. Co.	Private	Tanga Cement Public Limited Company	Tanga	Diesel	Own-Use	11.48	1.17	85%	1%
6	Kilombero Sugar Co. Ltd.	Private	Kilombero Sugar Company Limited	Morogoro	Biomass	Own-Use	12.55	36.45	90%	34%
7	Shanta Mine Co. Ltd	Private	Shanta Mine Co. Ltd	Mbeya	Diesel	Own-Use	8.20	38.46	100%	60%
8	Kilombero Plantations Ltd.	Private	Kilombero Plantations Limited	Morogoro	Biomass	Own-Use	1.69	4.91	90%	34%
9	Stamigold Co. Ltd.	Private	Stamigold Company Limited	Kagera	Diesel	Own-Use	7.00	32.83	88%	60%

10	ALAF Ltd.	Private	ALAF Limited	Dar es Salaam	Gas	Own-Use	4.00	0.01	92%	35%
11	North Mara Goldmine Ltd	Private	North Mara Goldmine Ltd	Mara	Diesel	Own-Use	18.00	0.38	100%	12%
12	Bulyanhulu Goldmine Ltd	Private	Bulyanhulu Goldmine Ltd	Shinyanga	Diesel	Own-Use	40.00	0.83	80%	4%
13	Dangote Cement Ltd.	Private	Dangote Cement Limited	Mtwara	Gas	Own-Use	50.00	186.74	90%	43%
14	Bagamoyo Sugar Ltd.	Private	Bagamoyo Sugar Limited	Coast	Biomass	Own-Use	5.00	0.00	100%	32%
15	Kagera Sugar Ltd.	Private	Kagera Sugar Ltd.	Kagera	Biomass	Own-Use	27.20	13.90	92%	6%
16	Tanzania Cigarette Public Ltd. Co.	Private	Tanzania Cigarette Public Ltd. Co.	Dar es Salaam	Gas	Own-Use	4.70	0.01	88%	22%
17	Mufindi Paper Mills Ltd	Private	Mufindi Paper Mills Ltd	Iringa	Biomass	Own-Use	10.40	37.17	67%	58%
18	Mtibwa Sugar Estates Ltd	Private	Mtibwa Sugar Estates Ltd	Morogoro	Biomass	Own-Use	15.00	25.53	73%	60%
19	Kioo Ltd	Private	Kioo Ltd	Dar es Salaam	Gas	Own-Use	12.20	37.41	93%	35%
20	Gas Co. (T) Ltd (Lindi)	Public	Gas Co. (T) Ltd (Lindi)	Lindi	Gas	Own-Use	10.70	1.93	100%	12%
21	Gas Co. (T) Ltd (Mtwara)	Public	Gas Co. (T) Ltd (Mtwara)	Mtwara	Gas	Own-Use	3.16	1.28	100%	28%
22	Nyati Mineral Sands Ltd.	Private	Nyati Mineral Sands Ltd.	Dar es Salaam	Diesel	Own-Use	2.00	0.63	85%	4%
23	SBC Tanzania Ltd.	Private	SBC Tanzania Ltd.	Dar es Salaam	Diesel	Own-Use	4.50	1.41	85%	4%
24	Tanzania Petroleum Development Corporation	Public	Tanzania Petroleum Development Corporation	Dar es Salaam	Gas	Own-Use	1.20	0.20	100%	12%
25	Geita Gold Mining Ltd.	Private	Geita Gold Mining Ltd.	Geita	Diesel	Own-Use	47.00	158.40	100%	60%
26	Maweni Limestone Ltd.	Private	Maweni Limestone Ltd.	Tanga	Coal	Own-Use	30.00	238.43	93%	92%
27	Buckreef Gold Co. Limited	Private	Buckreef Gold Co. Ltd	Geita	Diesel	Own-Use	4.72	-	0%	0%
28	Kiliflora	Private	Kiliflora	Arusha	Solar	Own-Use	0.23	0.46	23%	23%
29	Tembo	Private	Tembo	Kagera	Diesel	Own-Use	0.34	0.67	23%	23%
30	Nasra	Private	Nasra	Dar es Salaam	Diesel	Own-Use	0.80	1.61	23%	23%
	Sub -Total						**390.22**	**872.51**	**78%**	**31%**
Part D	**Cross-Boarder**									

	1	ZAMBIA (MBALA - 66kV)	Cross-Boarder	Cross-Boarder	Rukwa	Cross-Boarder	Cross-Boarder	20.00	37.42	100%	100%
	2	UGANDA (MASAKA - 132kV)	Cross-Boarder	Cross-Boarder	Kagera	Cross-Boarder	Own-Use	36.00	83.51	100%	100%
	3	UGANDA (KIKAGATI PLANT-33kV)	Cross-Boarder	Cross-Boarder	Kagera	Cross-Boarder	Own-Use	7.00	31.39	100%	100%
	4	KENYA (ISINYA-400kV)	Cross-Boarder	Cross-Boarder	Arusha	Cross-Boarder	Own-Use	4.00	136.55	100%	100%
		Sub -Total						**67.00**	**288.87**	**100%**	**100%**

Annex 11: Details of Transmission Line Infrastructure

S/N	Name of Transmission Line	Voltage Level (kV)	Outage Frequency (No.)	Outage Duration (Minutes)	Route (km)	Capacity (MW) = A	Peak Load Demand (MW) = B	Demand to Capacity Ratio (%) = C = (B/A) *100
1	400kV Iringa-Dodoma 1	400	0	0	225	329	166	50%
2	400kV Dodoma-Singida 1	400	0	0	164	411	274	67%
3	400kV Singida-Shinyanga 1	400	0	0	282	274	179	65%
4	400kV Singida-Lemugur	400	0	0	300	1000	216	22%
5	400kV Lemugur -Isinya	400	0	0	114	1000	245	25%
6	400kV JNHPP -New CH1	400	0	0	159.75	1247.04	461	37%
7	400kv-Nyakanazi-Kidahwe	400	0	0	280	1000	18	2%
8	220kV Ubungo-Luguruni	220	0	0	15	274	210	77%
9	220kV Ubungo-Kinyerezi	220	0	0	15	274	275	100%
10	220kV Luguruni-New Chalinze	220	1	60	62	274	270	99%
11	220kV Kinyerezi-New Chalinze	220	0	0	95	274	202	74%
12	220kV Morogoro-New Chalinze 1	220	1	22	89	274	258	94%
13	220kV Morogoro-New Chalinze 2	220	0	0	89	274	246	90%
14	220kV Morogoro-Kidatu 1	220	0	0	128	274	170	62%
15	220kV Morogoro-Kidatu 2	220	0	0	130	274	150	55%
16	220kV Kidatu-Iringa	220	0	0	160	274	252	92%
17	220kV Kidatu-Ifakara	220	0	0	116	274	142	52%
18	220kV Ifakara-Kihansi	220	1	7	64	274	150	55%
19	220kV Kihansi-Iringa	220	0	0	95.23	274		89%

							243	
20	220kV Iringa-Mufindi	220	3	20	130	154	156	101%
21	220kV Iringa-Mtera	220	0	0	107	206	90	44%
22	220kV Mtera-Dodoma	220	0	0	130	206	129	63%
23	220kV Dodoma-Singida old	220	0	0	210	206	150	73%
24	220kV Singida/Shinyanga old	220	0	0	200	206	133	65%
25	220kV Shinyanga-Mwanza	220	0	0	140	205	149	73%
26	220kV Shinyanga-Bulyanhulu	220	1	8	129.46	154	143	93%
27	220kV Mufindi-Makambako	220	1	6	38.9	154	140	91%
28	220kV Makabako-Madaba	220	1	10	110	109	33	30%
29	220kV Makambako-Mbeya	220	1	6	181.1	109	105	96%
30	220kV Madaba-Songea	220	1	9	140	109	24	22%
31	220kV Singida-Babati	220	0	0	150	206	86	42%
32	220kV Babati-Lemugur	220	0	0	146	206	45	22%
33	220kV Lemugur-Njiro	220	0	0	16	154	131	85%
34	220kV Shinyanga-Buzwagi	220	0	0	108	57	25	44%
35	220kV-Bulyanhuru-Geita	220	0	0	55	301.8	96	32%
36	220kV-Geita-Nyakanazi	220	0	0	143.16	329.2	36	11%
37	220kV-Nyakanazi-Rusumo	220	1	33	94.1	342.9	34	10%
38	220kv-SGR Dar - Moro	220	0	0	159	274	209	76%
39	220kv-SGR Moro-Dodoma	220	0	0	415	274	237	86%
40	132kV Ubungo-New Chalinze	132	1	70	87	186	183	98%
41	132kV New Chalinze/Old Chalinze	132	0	0	5	186	184	99%
42	132kV Morogoro-Chalinze	132	1	10	82	82.3		46%

							38	
43	132kV Chalinze-Hale	132	3	43	175	164	120	73%
44	132kV Ilala-Jangwani(OHL)	132	0	0	1.3	123.46	61	49%
45	132kV Jangwani-NCC(UNDERGROUND)	132	0	0	1.8	113	61	54%
46	132kV Ilala-Kurasini	132	7	24	7.1	200	156	78%
47	132kV Ubungo-Ilala 1ST	132	0	0	9.5	205.76	133	65%
48	132kV Ubungo-Ilala 2ND	132	0	0	9.5	205.76	192	93%
49	132kV Ubungo-Kunduchi 1ST	132	1	9	12	92.59	96	104%
50	132kV Ubungo-Kunduchi 2ND	132	1	7	12	150	131	87%
51	132kV Ubungo-Makumbusho	132	1	11	7	133.75	96	72%
52	132kV Kunduchi-Zanzibar 1	132	1	9	64	41.15	65	158%
53	132kV Kunduchi-Zanzibar 2	132	2	41	63.6	102.88	133	129%
54	132kV Mwanza-Musoma	132	6	43	210	82.3	67	81%
55	132kV Musoma-Nyamongo	132	0	0	90	82	35	43%
56	132kV Shinyanga-Tabora	132	5	65	203	51	38	75%
57	132kV Kiyungi-Kia 1ST	132	0	0	35	90.54	40	44%
58	132kV Kiyungi-Kia 2ND	132	0	0	35	90.54	37	41%
59	132kV Kia-Njiro 1ST	132	0	0	36.6	90.54	70	77%
60	132kV Kia-Njiro 2ND	132	0	0	35	90.54	44	49%
61	132kV Makumbusho-NCC	132	0	0	6.67	154	-	
62	132kV Gongo la Mboto-Kinyerezi	132	1	11	3	155	162.00	105%
63	132kV Ubungo-Kipawa	132	0	0	11	197.73	120	61%
64	132kV Kipawa-Mbagala	132	0	0	7.4	98.77	-	
65	132kV-Mbagala-Gongolamboto	132	0	0		98.77	160.00	162%

66	132kV-Mbagala-Dege	132	1	6	28	98.77	78	79%
67	132kV-Dege-Kurasini	132	0	0	22	98.77	103	104%
68	132kV Rhino-Tanga	132	6	12	8.5	61.73	31	50%
69	132kV Hale-Rhino	132	3	19	60	61.73	38	62%
70	132kV Pangani-Tanga	132	0	0	63.5	61.73	42	68%
71	132kV Hale-NPF	132	0	0	13.5	61.73	36	58%
72	132kV Kyaka-Bukoba	132	0	0	54	41.15	10	24%
73	132kV Hale-Kiyungi	132	7	32	275	98.77	53	54%
74	132kV Mtwara-Mahumbika	132	0	0	80	65.84	19	29%
75	132kV Tabora-Urambo	132	4	20	115	41.98	5	12%
76	132kV Tabora-Ipole	132	4	28	102	41.98	15	36%
77	132kV Ipole-Inyonga	132	5	943	133	41.98	12	29%
78	132kV Inyonga/Mpanda	132	6	286	125	41.98	8	19%
79	66kV Kiyungi-Nyumba ya Mungu	66	2	2	53	10	8	80%
80	66kV Kiyungi-Arusha	66	0	0	78	10	-	
81	66kV Kiyungi-Makuyuni	66	1	3	34	20	18	90%
82	66kV Babati-Kondoa	66	2	556	85	34	13	38%
83	66kV Babati-Mbulu	66	0	0	85	34	17	50%
84	66kV Mbulu-Karatu	66	0	0	65	34	11	32%
85	66KV Bunda-Kibara	66	0	0	60	15	3	20%
	Average		1	29	N/A	N/A	N/A	64%
	Maximum		7	943	N/A	N/A	N/A	N/A
	Minimum		-	-	N/A	N/A	N/A	N/A

Annex 12: Details of Grid Substation Infrastructure

S/N	Name of Substation (400/220/132/66kV)	Region	Installed Capacity (MVA) = A	Peak Load (MVA) = B	N-1 System (yes = 1, no = 0)	Defective Transformer Capacity (MVA) = C	Ratio (%) = D = (B/(A-C)) *100
1	Lemugur	Arusha	250	44	1	-	17%
2	Singida	Singida	250	23	1	-	9%
3	Dodoma	Dodoma	310	75	1	-	24%
4	Chalinze	Coast North	1,000	982	-	-	98%
5	JNHPP	Morogoro North	250	-	1	-	0%
6	Ubungo 220kV	Kinondoni South	900	534	1	-	59%
7	Msamvu	Morogoro North	260	96	1	-	37%
8	Kidatu	Morogoro South	68	14	1	-	21%
9	Ifakara	Morogoro South	20	6	-	-	29%
10	Tagamenda	Iringa	53	28	-	-	54%
11	Mufindi	Iringa	70	28	1	-	40%
12	Makambako	Njombe	30	18	-	-	61%
13	Madaba	Ruvuma	30	5	-	-	15%
14	Songea	Ruvuma	60	28	1	-	47%
15	Mbeya	Mbeya	150	90	-	-	60%
16	Shinyanga	Shinyanga	120	29	1	-	24%
17	Bulyanhulu	Shinyanga	140	27	1	-	20%
18	Buzwagi	Shinyanga	60	18	1	-	30%
19	Mwanza	Mwanza	235	82	1	-	35%
20	Mabuki	Mwanza	45	13	-	-	28%

21	Babati	Manyara	66	12	-	-	18%
22	Njiro	Arusha	210	113	1	-	54%
23	Mpomvu-Geita	Geita	100	78	-	-	78%
24	Nyakanazi	Kagera	80	18	1	-	22%
25	Kidahwe	Kigoma	60	23	-	-	38%
26	Luguruni	Kinondoni South	180	69	1	-	38%
27	Kinyerezi1	Ilala	200	-	-	-	0%
28	Kinyerezi2	Ilala	225	-	-	-	0%
29	Kihansi	Morogoro South	10	7	-	-	67%
30	Mtera	Iringa	20	-	1	-	
31	132-Ubungo	Kinondoni South	180	77	-	90	86%
32	Kunduchi	Kinondoni North	180	102	1	-	57%
33	Makumbusho	Kinondoni North	135	103	1	-	76%
34	NCC	Ilala	100	69	1	-	69%
35	Ilala	Ilala	180	142	-	-	79%
36	Kipawa	Ilala	180	141	-	-	78%
37	Malandizi	Coast North	100	75	-	10	83%
38	Chalinze	Coast North	45	42	-	-	93%
39	Tabora	Tabora	30	12	-	-	39%
40	Uhuru/Urambo	Tabora	35	5	-	-	14%
41	Ipole	Tabora	15	4	-	-	23%
42	Inyonga	Tabora	15	4	-	-	25%
43	Mpanda	Katavi	35	8	-	-	22%

44	Lusu	Tabora	15	11	-	-	70%
45	Bunda	Mara	20	17	-	-	87%
46	Musoma	Mara	30	19	1	-	64%
47	Nyamongo	Mara	90	33	1	-	36%
48	KIA	Kilimanjaro	40	44	-	-	111%
49	Kiyungi	Kilimanjaro	90	72	-	-	80%
50	Same	Kilimanjaro	15	5	-	-	33%
51	Mwanga	Kilimanjaro	20	3	1	-	16%
52	Kasiga	Tanga	25	12	-	-	49%
53	Kange	Tanga	50	16	1	-	31%
54	Majani Mapana	Tanga	95	52	-	20	69%
55	Mbagala	Temeke	170	92	1	-	54%
56	Gongolamboto	Ilala	50	43	-	-	86%
57	Kurasini	Temeke	50	43.206	-	-	86%
58	Dege-Kigamboni	Kigamboni	60	52	-	-	87%
59	Maweni	Tanga	47	10	-	-	21%
60	Mahumbika	Lindi	20	18	-	-	91%
61	Mtwara	Mtwara	30	10	-	-	32%
62	Kyaka	Kagera	40	30	-	-	75%
63	Kibeta	Kagera	10	9	-	-	91%
64	Hale	Tanga	30	11	1	-	38%
65	NPF	Tanga	80	-	-	-	0%
66	Kibara	Mara	5	3	-	-	69%

67	Kondoa	Dodoma	17	11	-	-	63%
68	Mbulu	Manyara	8	5	-	-	60%
69	Karatu	Arusha	18	10	-	-	56%
70	Makuyuni	Kilimanjaro	20	17	-	-	87%
71	Sumbawanga	Rukwa	35	14	-	-	41%
72	NYM	Kilimanjaro	15	7	-	-	44%
Total			**7,877**	**3,909**	N/A	**120**	N/A
Average			**109**	**55**	**36%**	**2**	**49%**

Annex 13: Transmission Line and Substation Projects

S/N	Project Name	Project Type	Voltage level (kV)	Expansion Plan Details	Progress (%)
				Length(km)/Capacity (MVA) = A	
1	160Km, 400kv from JNHPP-Chalinze	Line	400	160	100%
2	400/220/132KV at Chalinze	Substation	400/220/132	250	99%
3	345Km, 400kV from Chalinze-Dodoma (Lot 1)	Line	400	345	52%
4	400KV bay extension at Chalinze and Dodoma (Lot 2)	Substation	400	-	27%
5	SGR Lot 5 from Isaka to Nyakato (232Km)	Line	220	232	13%
6	214Km, 220KV from Songea to Tunduru (Lot 1)	Line	220	214	50%
7	220/33KV, 2x60MVA Substation at Tunduru (Lot 2)	Substation	220/33	120	30%
8	177Km, 220KV from Tunduru to Masasi (Lot 1)	Line	220	177	5%
9	220/33KV, 2x60MVA Substation at Masasi (Lot 2)	Substation	220/33	120	1%
11	220kV,128 km TL from Masasi to Mahumbika (Lot 1) 220/132/33kV, 2x90MVA, 220kV and 2x45/60MVA, 132kV at Mahumbika	Substation	220kV 220/132/33kV, 2x90MVA and 2x45/60MVA	180	0%
12	109Km, 220kV from Shinyanga to Simiyu (Lot 1)	Line	220	109	53%
13	220/33kV, 2x90MVA at Bariadi (Lot 2)	Substation	220	220/33kV, 2x90MVA	2%
14	47Km, 220kV from Pugu to Dundani (Lot 1)	Line	220	51	13%
15	220/33kV, 2x120MVA at Dundani (Lot 2)	Substation	220	2*120MVA	11%
16	220kV from Kimara to Mabibo (Lot 1)	Line	220	17	34%
17	400MVA, 220/132kV at Mabibo and 300MVA, 220/33kV GIS at Ubungo (Lot 2)	Substation	220	1X300MVA, 2X200MVA and 2X90MVA	74%
18	220kV from Ubungo to Ununio (Lot 1)	Line	220	18	33%
19	220/132/33kV, 2x120MVA GIS at Ununio (Lot 2)	Substation	220	2X120MVA	2%
20	5.2km, 220kV and 220/33kv, 2x120MVA at Zegereni Industrial Area	Line	220	2*120MVA	2.5%
21	383km, 132kV from Tabora to Katavi	Line	132	383	100%
22	115km, 132kV from Tabora to Urambo (Tabora to Kigoma phase I)	Line	132	115	100%

23	280km, 132kV from Urambo to Kigoma (Tabora to Kigoma phase II)	Line	132	280	52%
24	132/33kV for Tabora-Katavi (Lot 1: Ipole, Inyonga and Mpanda)	Line	132	383	100%
25	132kV Tabora-Kigoma (Lot 2: Urambo and Nguruka)	Line	132	395	99%
26	132km, 132kV from Mkata to Kilindi (Lot 1)	Line	132	132	31%
27	132/33kV, 2x60MVA at Kilindi (Lot 2)	Substation	132/33	120	35%
28	132/33kV, 2x60MVA at Mkata (Lot 1)	Substation	132/33	120	13%
29	33kV from Mkata to Kwamsisi (Lot 2)	Line	33	45	22%
30	98.6m, 132kV from Bunda to Ukerewe (Lot 1)	Line	132	99	27%
31	132/33kV, 2x45MVA at Ukerewe (Lot 2)	Substation	132/33	90	31%
32	61km, 132kV from Kiyungi to Rombo (Lot 1)	Line	132	61	13%
33	132/33kV, 2x45MVA at Rombo (Lot 2)	Substation	132/33	90	14%
34	37km, 132kV from Kasiga to Lushoto (Lot 1)	Line	132	37	13%
35	132/33kV, 2x30MVA at Lushoto (Lot 2)	Substation	132/33	60	13%
36	132/33kv, 120MVA at Dege	Substation	132/33	120	64%
37	208km, 33kV from Lemugur substation	Line	33	208	62%
43	106km, 400kV from Iringa to Kisada (Lot 1)	Line	400	106	87%
44	185km, 400kV from Kisada to Mbeya (Lot 2)	Line	400	185	86%
45	122km, 400kV from Mbeya to Tunduma (Lot 3)	Line	400	122	87%
46	203km, 400kV from Tunduma to Sumbawanga (Lot 4)	Line	400	203	92%
47	400/220/33kV at Iringa and Kisada (Lot 1)	Substation	400/220/33	1,270	44%
48	400/220/33kV at Mbeya and Tunduma (Lot 2)	Substation	400/220/33	1,500	43%
49	400/220/33kV at Sumbawanga (Lot 3)	Substation	400/220/33	480	53%
50	400/330kV at Tunduma and 4km to Zambia Border (Lot 4)	Substation	400/330	945	43%
51	280km, 400kV from Nyakanazi to Kigoma (Lot 1&2)	Line	400	280	99%
52	400/220/132kV at Nyakanazi and Kidahwe ss (Lot 1&2)	Substation	400/220/132	4x50MVA	38%
53	138km, 400kV Chalinze to Kinyerezi to Mkuranga (Lot 1)	Line	400	138	46%

54	400/220/132kV at Kinyerezi, 400/220kV, 2X150MVA, 400/220/33kV,2X90 at Mkuranga and 220/33kV , 2X150MVA at Morogoro (Lot 2)	Substation	400/220/132	5x315MVA, 2X150MVA,2X90MVA, 2X150MVA	24%
55	167km, 220kV Benaco- Kyaka T/Line	Line	220	167	2%
56	220/33kV, 2x60MVA Benaco Substation	Substation	220/33	120	1%
57	TTGRUP-132/33/11kV at Mlandizi, Same and Bukoba (Lot 1)	Substation	132/33/11	260	85%
58	TTGRUP-220/33/11kV at Mbeya,Mufindi and 132/33/11kV (Lot 2)	Substation	220/33/11 and 132/33/11	210	84%
59	TTGRUP-220/33kV at Mwanza and Musoma LOT 3	Substation	220/132/33 and 132/33	120	71%
60	TTGRUP-SCADA-EMS and Telcom Equipment				91%
61	400/220/33kV at Shinyanga Substation	Substation	400/220/33	315 & 125	44%
	Total				N/A

REFERENCE

[i] Accessible through https://eris.ewura.go.tz/portal/users/contractors.html.
[ii] Accessible at https://www.ewura.go.tz/electricity-regulatory-tools/.

[iii] Accessible at https://www.ewura.go.tz/electricity-regulatory-tools/.