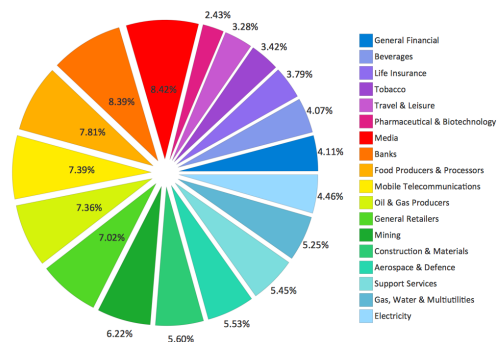


## STATISTICAL BULLETIN 2018



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### OUR MANDATE

The mandate of the Energy Regulation Board is to regulate the energy sector in line with the provisions of the Energy Regulation Act Cap 436 of the Laws of Zambia.

### OUR VISION

A proactive, firm and fair energy regulator.

### MISSION STATEMENT

"To regulate the energy sector, in order to ensure efficient provision of reliable and quality energy services and products."

## **EDITORIAL TEAM**

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Senior Manager - Research and Pricing  
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Economist – intern

## **VISION**

A proactive, firm and fair energy regulator

## **MISSION STATEMENT**

"To regulate the energy sector, in order to ensure the efficient provision of reliable and quality energy services and products"



## **FOREWORD**

I am pleased to present to you the 2018 edition of the Energy Regulation Board (ERB)'s annual statistical bulletin. This year's publication is the seventh edition since the inauguration in the year 2014.

The publication is in line with the ERB's mandate to regulate the energy sector in an efficient manner by providing updated energy statistics. The bulletin highlights statistics on licensing, pricing, electricity generation, petroleum consumption and other energy related statistics which are accompanied by graphs.

The information published in the statistical bulletin are of great significance to various stakeholders including the Government, investors, researchers, academicians, and regulators; and is useful for various purposes including policy formulation, planning, monitoring and implementation for sustainable national development and decision-making. The report is made available in various formats including print and electronic media and can be accessed from our website in pdf format.

I am grateful to all stakeholders that provided valuable contributions and data used in this edition, without which this publication would not have been possible. We look forward to your usual support and it is our hope that you and other users of information presented herein will find this publication useful to make informed decisions regarding the future of the energy sector in Zambia.

Furthermore, I would like to extend an invitation to all the readers and users of statistical information to send us comments and suggestions on the relevance of the information presented herein. Your feedback and suggestions will help us to improve this publication according to your information needs.

**Langiwe H. Lungu (Ms)**  
**Executive Director**  
**March 2019**

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## **LIST OF ABBREVIATIONS**

ERB	Energy Regulation Board
HFO	Heavy Fuel Oil
INDENI	INDENI Petroleum Refinery Company Limited
IPP	Independent Power Producer



NFT	Ndola Fuel Terminal
OMC	Oil Marketing Company
SAPP	Southern African Power Pool
SADC	Southern African Development Community
TAZAMA	TAZAMA Pipelines Limited
ZESCO	ZESCO Limited

## **UNITS OF MEASUREMENT**

Bbl	Barrels of oil (159 litres)
GWh	Giga-Watt hour (1,000 MWh)
K	Zambian Kwacha (ZMW)
Km	Kilometre
kV	Kilo Volt
kVA	Kilo Volt Amperes (1,000 Volt Amps)
kW	Kilo Watt
kWh	Kilo Watt Hour
MW	Mega Watt
MWh	Mega Watt Hour (1,000 kWh)
MT	Metric Tonne (in this document means a mass equivalent to 1,000 kg)
m <sup>3</sup>	Cubic Meters
US\$	United States of America dollar

## **Acknowledgement**

We acknowledge the following organisations that provided data and information that has been used in the preparation of this bulletin:

- Copperbelt Energy Corporation Plc
- INDENI Petroleum Refinery Company Limited
- Lunsemfwa Hydropower Company Limited
- Maamba Collieries Limited
- Ndola Energy Company
- Oil Marketing Companies
- TAZAMA Pipelines Limited
- Itezhi –tezhi Power Corporation
- ZESCO Limited

## **Executive Summary**

### **Highlights of key developments in the Energy Sector during the period January to December, 2018**

The national installed capacity of electricity stood at 2,892.94 MW as at 31<sup>st</sup> December 2018 compared to 2,896.91 MW as at 31<sup>st</sup> December 2017. The decline was mainly due to the decommissioning of diesel power plants following the connection of the North – Western Province to the national grid. The installed capacity comprised 82.9 percent of hydro generation, 10.37 percent of coal, 3.8 percent of HFO, 2.89 percent of diesel, while the rest was solar.

With regards to generation sent out by utility, ZESCO generation from large hydro power plants increased from 11,344.2 GWh in 2017 to 12,457.7 GWh. Similarly, the mini and small hydro power plants generation sent out increased from 110.6 GWh in 2017 to 207.71 GWh in 2018. The generation from Independent Power Plants also increased to 3,519.44 GWh in 2018 from 3,006.26 GWh in 2017. Meanwhile, there was a reduction in the generation from ZESCO diesel power plants to 4.53 GWh from 8.79 GWh in 2017.

In the year 2018, a total number of 125 standard licenses were issued in both the petroleum and electricity sub-sectors compared to 114 issued in the same period in the year 2017. Additionally, 93 provisional licenses were issued in 2018 compared to 127 under the same period in 2017.

The Government imports of petroleum feedstock increased to 618,441 MT in 2018 from 519,437 MT in 2017. However, both importation of petrol and low sulphur gas oil declined in 2018. Petrol declined from 251,380 m<sup>3</sup> in 2017 to 184,971 m<sup>3</sup>. Similarly, low sulphur gas oil also declined from 387,637 m<sup>3</sup> to 361,746 m<sup>3</sup>.

Gas oil remained the most consumed petroleum product in the period under review at 2,686,959 litres per day followed by petrol at 1,194,627 litres per day. The consumption of other products namely, Heavy Fuel oil; Jet A-1; Kerosene and LPG was 396,191kgs per day; 93,411 litres per day; 52,847 litres per day; and 19,854 kgs per day, respectively. Total Zambia Limited and Puma Energy Plc continued to dominate the market for petroleum products in the country with a combined market share of 49.8 percent.

## 1.0 LICENSING STATISTICS

### 1.1 Electricity and Renewable Energy sub-sectors licensing

Sub-sector	Type of Licence	Standard	Provisional	Total
Electricity	Generation-combined off-grid	1	1	2
	Generation of Electricity for own use	1	0	1
	Transmission	0	1	1
	System Operator Licence – Operation for the	0	0	0
	Zambia Interconnected Power System Supply	0	1	1
	Manufacture, Supply , Installation and Maintenance	26	18	44
<b>Total</b>		<b>28</b>	<b>21</b>	<b>49</b>

**Table 1: Electricity and renewable energy sub-sectors licensing**

### 1.2 Petroleum sub-sector licensing

Sub-sector	Type of Licence	Standard	Provisional	Total
Petroleum	Combined Licence to Distribute, Import and Export Petroleum Products	27	19	46
	Importation of Lubricants	9	14	23
	Combined Licence to Distribute, Import and Export Petroleum Products (LPG)	3	2	5
	Retail of Petroleum Products	5	3	8
	Retail of Petroleum Products – LPG	2	1	3
	Road Transportation of Petroleum Products	28	27	55
	Blending and Packaging of Lubricants	1	1	2
	Inclusion of Retail of Petroleum Products Sites	22	5	27
	<b>Total</b>	<b>97</b>	<b>72</b>	<b>169</b>

**Table 2: Petroleum Sub-sector licensing**

## 2.0 ELECTRICITY SUB-SECTOR STATISTICS

### 2.1 Installed Generation Capacity

Undertaking	Station	Machine	Installed
		Type	Capacity (MW)
<b>ZESCO Limited</b>	Kafue Gorge	Hydro	990
	Kariba North	Hydro	720
	Kariba North extension	Hydro	360
	Victoria Falls	Hydro	108
	Lunzua River	Hydro	14.5
	Lusiwasi	Hydro	12
	Chishimba Falls	Hydro	6
	Musonda Falls	Hydro	10
	Shiwang'andu	Hydro	1
<b>Itezhi-tezhi Power Corporation</b>	Itezhi-tezhi	Hydro	120
<b>Zengamina Limited</b>	Ikelengi	Hydro	0.75
<b>Lusemfwu Hydro Power Company</b>	Mulunguish	Hydro	32
	Lunsemfwu	Hydro	24
	<b>Total Hydro</b>		<b>2,398.25</b>
<b>Maamba Collieries Limited</b>	Maamba Power Plant	Coal	300
	<b>Total Coal</b>		<b>300</b>
<b>Copperbelt Energy Generation Plants</b>	Bancroft	Diesel	20
	Luano	Diesel	40
	Luanshya	Diesel	10
	Mufulira	Diesel	10
<b>ZESCO Limited Generation Plants</b>	Luangwa	Diesel	2.6
	Shang'ombo	Diesel	1.00
	<b>Total Diesel</b>		<b>83.60</b>
<b>Ndola Energy Generation Plants</b>	Ndola	Heavy Fuel Oil	110
	<b>Total HFO</b>		<b>110</b>
<b>Rural Electrification Authority Generation Plants</b>	Samfya	Solar	0.06
<b>Copperbelt Energy Corporation</b>	Kitwe	Solar	1.00
<b>Muhanya Solar Limited</b>	Sinda Village	Solar	0.03
	<b>Total Solar</b>		<b>1.09</b>
	<b>Grand Total</b>		<b>2,892.94</b>

Table 3: Installed Generation Capacity

### 2.1.1 National Installed Electricity Generation Capacity by Technology

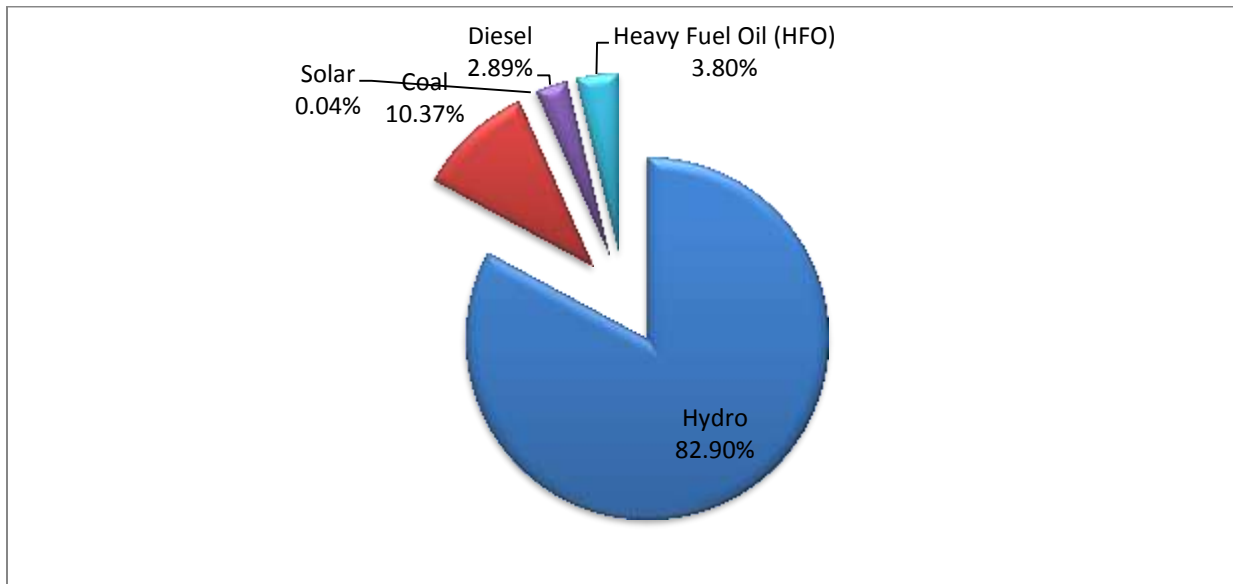


Figure 1: National installed electricity generation capacity by technology as at 31<sup>st</sup> December 2018

## 3.2 Generation Sent Out

### 3.2.1 ZESCO's Generation from Large Hydro Power Plants

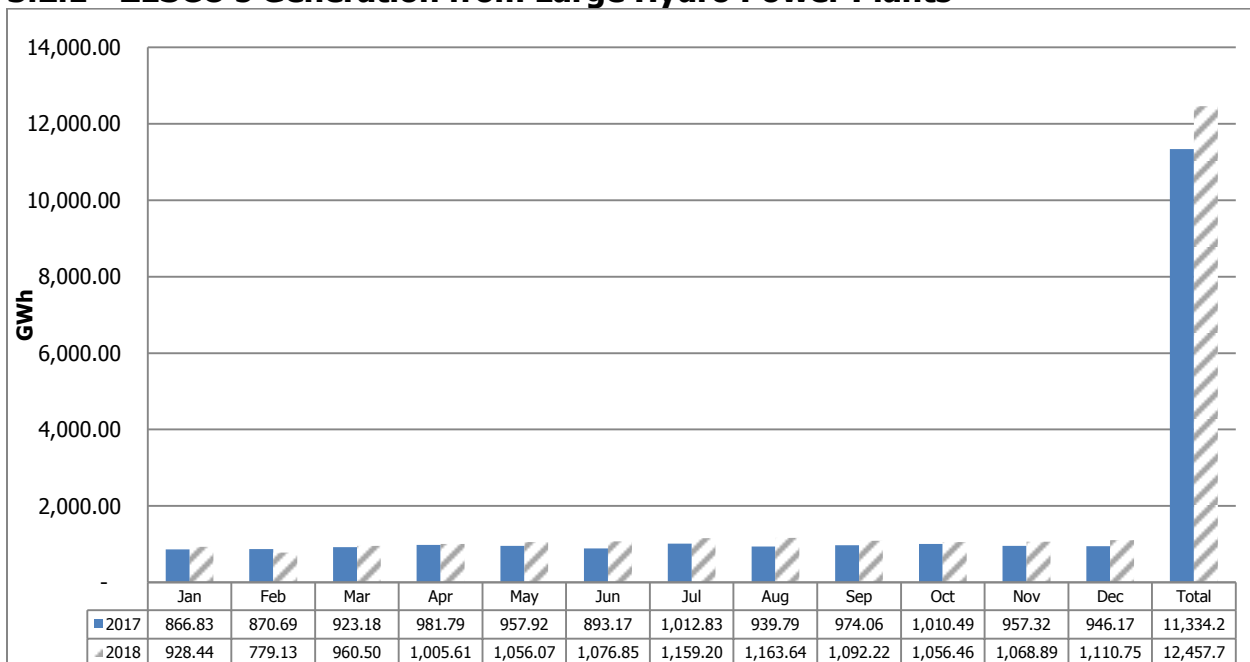


Figure 2: Electricity Generation from ZESCO's large hydro power plants 2017 and 2018<sup>1</sup>

<sup>1</sup> ZESCO's large hydro power plants refer to Kafue Gorge; KNBC, KNBE and Victoria Falls generation power plants.

### 3.2.2 ZESCO's generation from small and mini hydro power plants

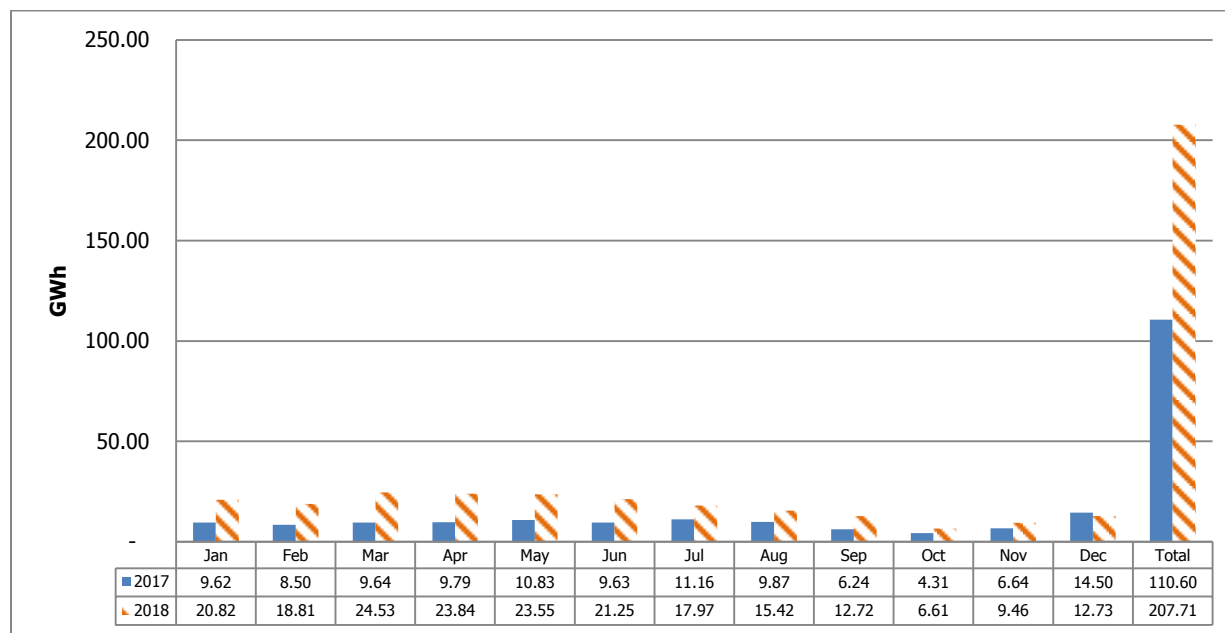


Figure3: Generation sent out from ZESCO's small and mini hydro power plants, 2017 and 2018<sup>2</sup>

### 3.2.3 ZESCO's generation from diesel power plants

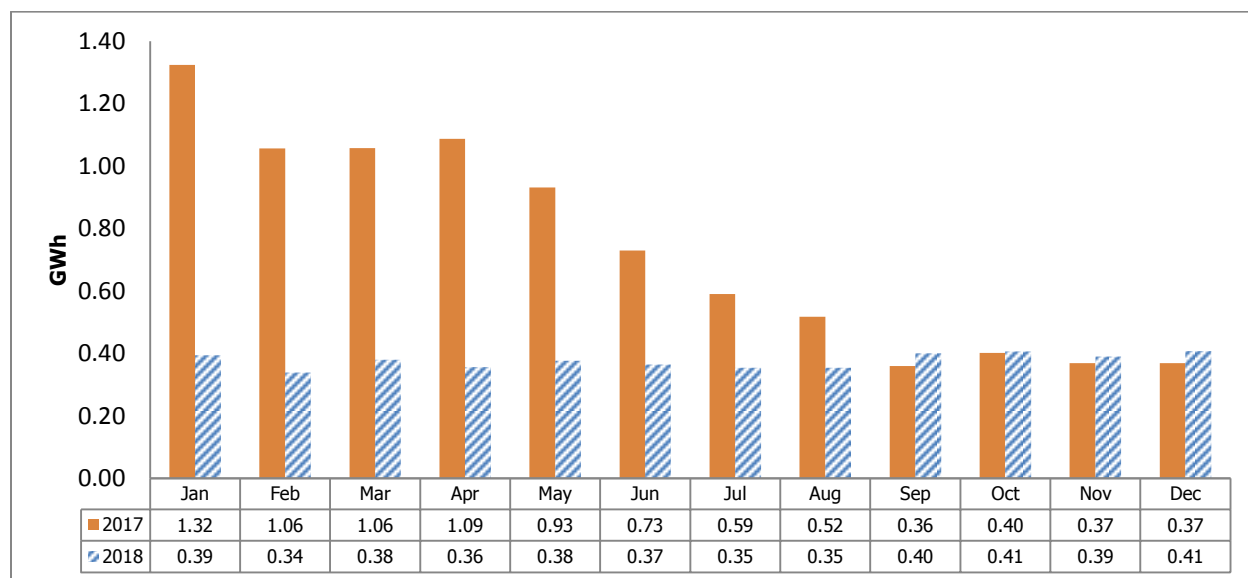


Figure 4: Generation sent out from ZESCO's diesel power plants 2017 and 2018

<sup>2</sup> Zesco small and mini hydro power plants used here to refer to Lusiwasi; Chishimba falls ; Musonda falls; Lunzua; and Shiwan'gandu.

### 3.2.4 Generation from Independent Power Producers (IPPs)

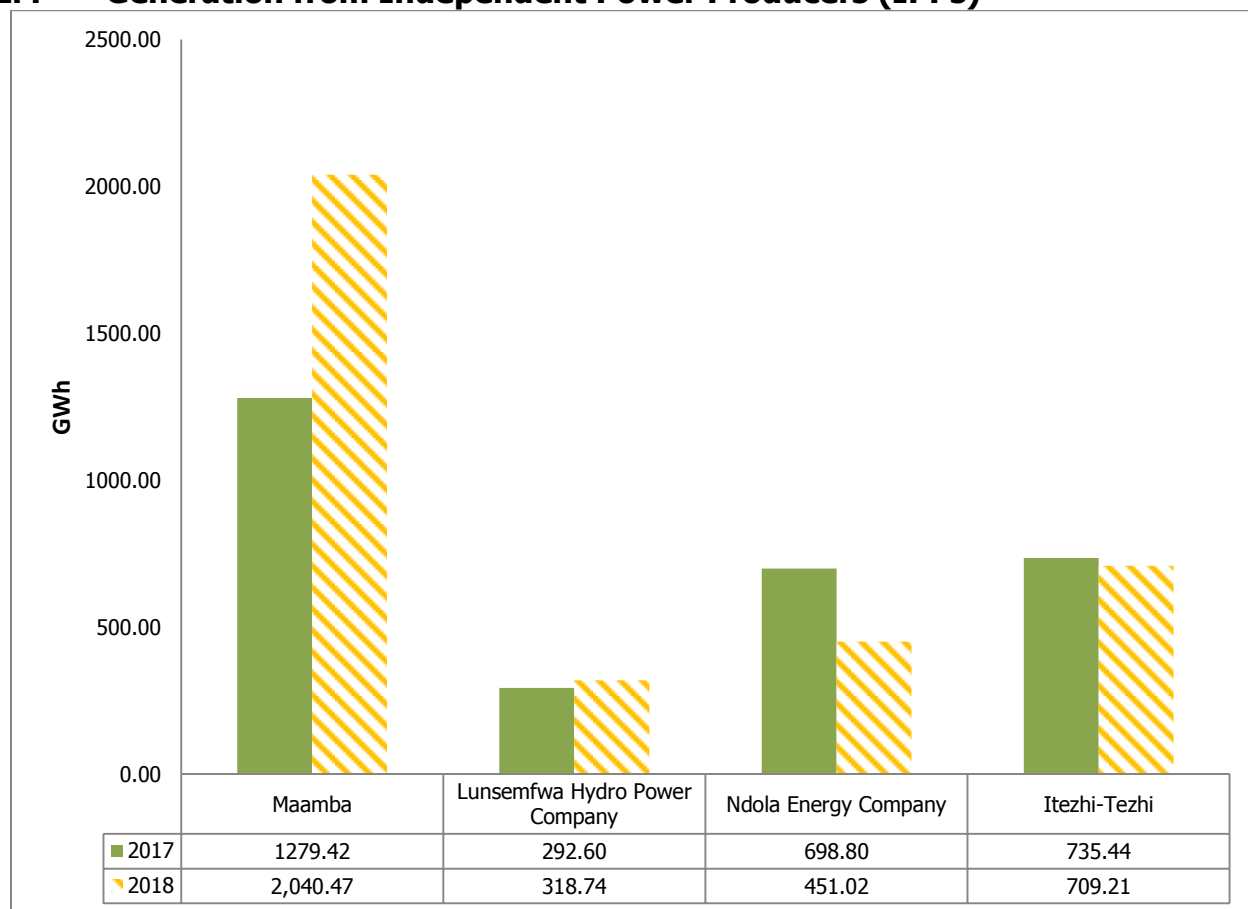


Figure 5: Trends in Electricity generation sent out by IPPs, 2017 and 2018.

### 3.3 Planned Electricity Generation Projects

Project Name	Type	Owner	Capacity (MW)	Expected Completion Date
Kafue Gorge Lower Hydro Power Project	Hydro	ZESCO	750	April, 2020
Chishimba Falls	Hydro	ZESCO	15	TBA
Batoka Hydro Power Project	Hydro	ZESCO	1,200	TBA
Luapula River	Hydro	ZESCO	1,200	TBA
Maamba coal fired power plant II	Thermal	Maamba Collieries Limited	300	TBA
Kabompo Gorge	Hydro	CEC	34	TBA
Luisiwasi Lower	Hydro	ZESCO	15	TBA
Luisiwasi Lower	Hydro	ZESCO	86	TBA
Mkushi	Hydro	Lunsemfwa	65	TBA
MASEN	Wind/Solar	ZESCO/MASEN	200	TBA

Table 4: Expected electricity generation projects, as at 31<sup>st</sup> December, 2018



### 3.4 ZESCO Electricity Exports and Import

	2017		2018	
Month	Exports (GWh)	Imports (GWh)	Exports (GWh)	Imports (GWh)
January	64.4	114.64	92.55	61.67
February	67.96	65.22	63.67	55.97
March	91.11	56.29	77.61	22.13
April	111.05	41.44	130.58	0.86
May	122.03	58.1	97.22	1.01
June	97.56	58.82	93.39	1.35
July	89.23	60.37	143.73	0.64
August	76.91	57.65	128.87	1.23
September	83.65	63.19	124.09	1.86
October	85.73	64.4	104.73	2.84
November	87.07	58.8	83.23	1.04
December	86.22	54.02	85.81	1.63
<b>Total</b>	<b>1,062.92</b>	<b>752.94</b>	<b>1,225.48</b>	<b>152.23</b>

Table 5: ZESCO's imports and exports, 2017 and 2018

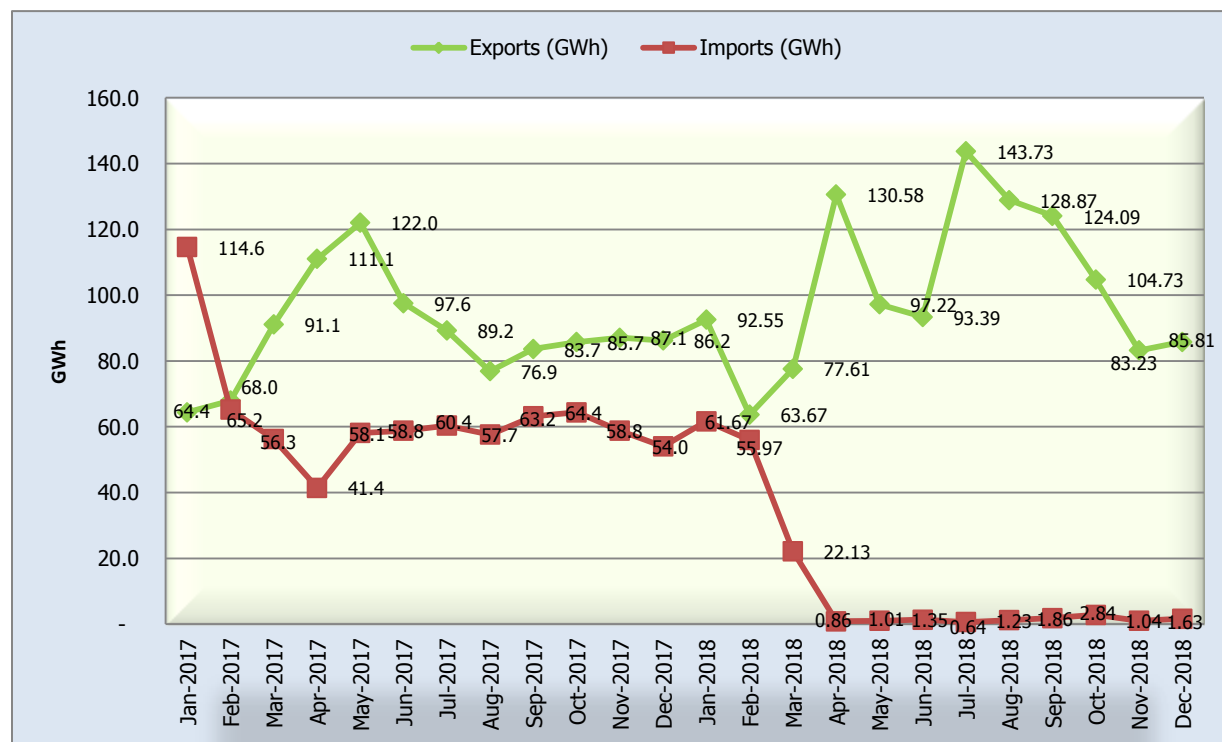
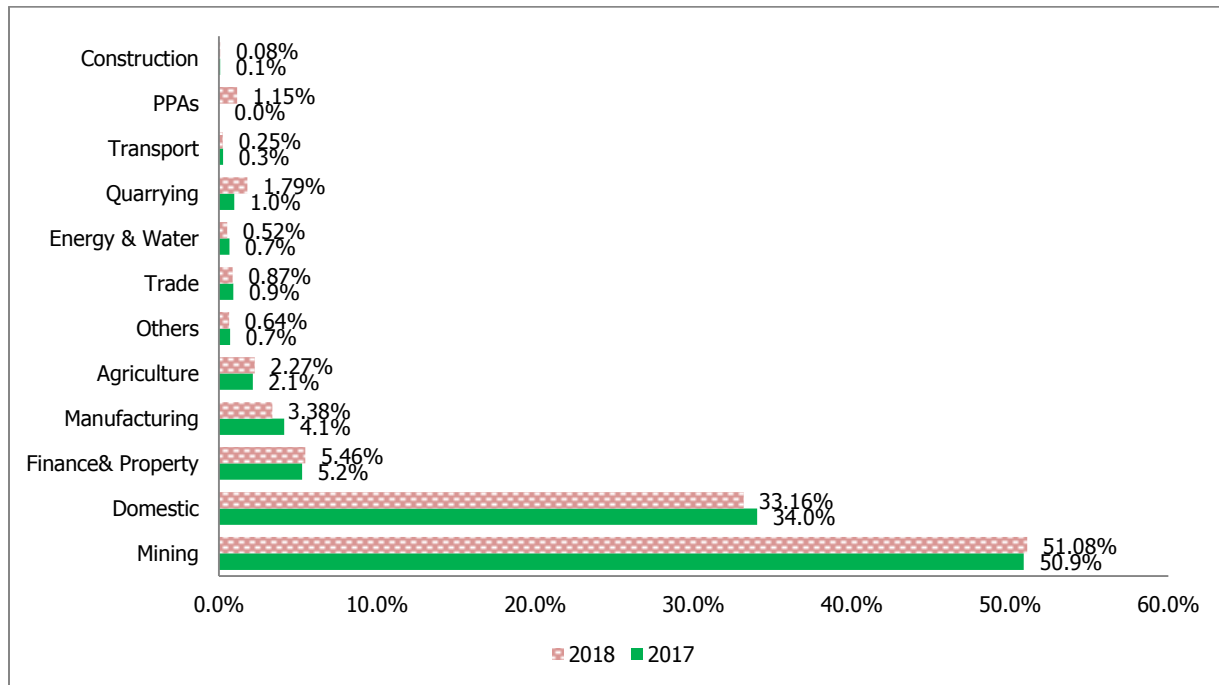


Figure 6: ZESCO electricity power imports and exports, January 2017 to December 2018

### 3.5 Electricity Consumption by Economic Sector



**Figure 7: Electricity consumption by economic sub-sector, 2017 and 2018.**

Sector/Period	2017 (GWh)	2017 (%)	2018 (GWh)	2018 (%)
Mining	6,202.00	50.90%	6,681.88	51.08%
Domestic	4,146.85	34.00%	4,336.92	33.16%
Finance& Property	640.04	5.20%	713.87	5.46%
Manufacturing	503.39	4.10%	442.15	3.38%
Agriculture	261.49	2.10%	297.03	2.27%
Others	87.29	0.70%	84.08	0.64%
Trade	110.21	0.90%	113.85	0.87%
Energy & Water	80.88	0.70%	68.54	0.52%
Quarrying	118.15	1.00%	147.61	1.79%
Transport	31.95	0.30%	32.47	0.25%
PPAs	-	-	151.00	1.15%
Construction	9.62	0.10%	10.83	0.08%
<b>Total</b>	<b>12,191.86</b>	<b>100.00%</b>	<b>13,080.23</b>	<b>100.00%</b>

**Table 6: Electricity consumption by economic sub-sector, 2017 and 2018**

### 3.6 Customer Base by Utility

	ZESCO		NWECC	
Sector	Total	Percentage (%)	Total	Percentage (%)
Residential	867,047	90.5%	2,840	87.4%
Maximum Demand	10,042	1.0%	N/A	N/A
Commercial	69,282	7.2%	81	2.5%
Agriculture	1,105	0.1%	N/A	N/A
Social	10,286	1.1%	N/A	N/A
Unmetered Customers	N/A	N/A	327	10.1%
<b>Total</b>	<b>957,762</b>	<b>100.0%</b>	<b>3,248</b>	<b>100.0%</b>

**Table 7: Customer base by utility as at 31<sup>st</sup> December, 2018**

### 3.7 Domestic Electricity tariffs

#### 3.7.1 Domestic Electricity tariffs

CUSTOMER CATEGORY	TARIFF COMPONENTS	TARIFF
<b>1. METERED RESIDENTIAL (Prepaid) (capacity 15 kVA)</b>		
R1 -Consumption up-to 200 kWh in a month	Energy charge/kWh)	0.15
R2 - Consumption above 200 kWh in a month	Energy charge/kWh)	0.89
	Fixed Monthly Charge	18.23
<b>2.COMMERCIAL TARIFFS (capacity 15kVA)</b>		
Commercial	Energy charge/kWh)	0.54
	Fixed Monthly Charge	96.41
<b>3.SOCIAL SERVICES</b>		
Schools, Hospital, Orphanages, churches, water pumping & street lighting	Energy charge K/kWh	0.49
	Fixed Monthly Charge	83.84
<b>4.MAXIMUM DEMAND TARIFFS</b>		
MD1- Capacity between 16 - 300 kVA	MD Charge (K/kVA/Month)	24.45
	Energy Charge (K/kWh)	0.35
	Fixed Monthly Charge (K/Month)	239.44
	Off Peak MD Charge (K/KVA/Month)	12.22
	Off Peak Energy Charge (K/kWh)	0.26
	Peak MD Charge (K/KVA/Month)	30.56
	Peak Energy Charge (K/kWh)	0.44
MD2- Capacity 301 to 2,000 kVA	MD Charge (K/kVA/Month)	45.73
	Energy Charge (K/kWh)	0.30
	Fixed Monthly Charge (K/Month)	478.84
	Off Peak MD Charge (K/KVA/Month)	22.87

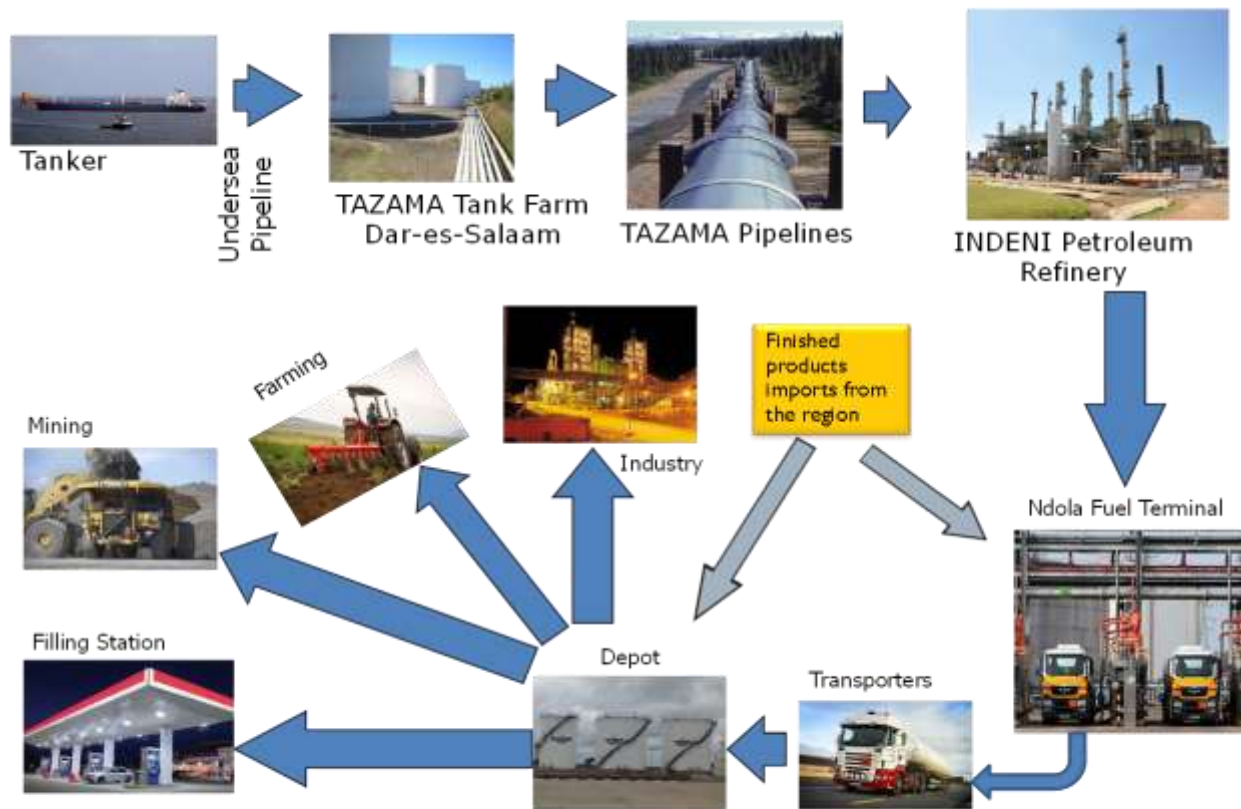
CUSTOMER CATEGORY	TARIFF COMPONENTS	TARIFF
	Off Peak Energy Charge (K/kWh)	0.23
	Peak MD Charge (K/KVA/Month)	57.17
	Peak Energy Charge (K/kWh)	0.37
MD3- Capacity 2,001 to 7,500kVA	MD Charge (K/kVA/Month)	73.06
	Energy Charge (K/kWh)	0.25
	Fixed Monthly Charge (K/Month)	1,014.55
	Off Peak MD Charge (K/KVA/Month)	36.52
	Off Peak Energy Charge (K/kWh)	0.18
	Peak MD Charge (K/KVA/Month)	91.33
	Peak Energy Charge (K/kWh)	0.30
MD4-Capacity above 7500kVA	MD Charge (K/kVA/Month)	73.47
	Energy Charge (K/kWh)	0.21
	Fixed Monthly Charge (K/Month)	2,029.13
	Off Peak MD Charge (K/KVA/Month)	36.73
	Off Peak Energy Charge (K/kWh)	0.16
	Peak MD Charge (K/KVA/Month)	91.84
	Peak Energy Charge (K/kWh)	0.25
<b>NOTE; The above tariffs are: -</b> <b>(a) Exclusive of 3% Government excise duty</b> <b>(b) Exclusive of 16% Value Added Tax (VAT)</b>		

**Table 8: ERB approved electricity tariffs as at 31<sup>st</sup> December 2018**

CUSTOMER CATEGORY	2018 TARIFF
<b>Residential Customers Tariffs</b>	
R1 - Consumption up-to 200 kWh in a month	0.35
R2 - Consumption above 200 kWh in a month	0.89
Fixed Monthly Charge	18.23
<b>Commercial Customers (15kVA)</b>	
Energy Charge	0.71
Capacity Charge	45.72
Fixed Monthly Charge	131.25
<b>Social Services</b>	
Energy Charge	0.71
Capacity Charge	131.25

**Table 9: NWEK 2018 tariff schedule**

### 3.0 PETROLEUM SUB-SECTOR STATISTICS



**Figure 8: Players in the fuel supply chain**

### 3.1 Retail Service Stations Provincial Distribution

COMPANY	CENTRAL	COPPERBELT	EASTERN	LUAPULA	LUSAKA	MUCHINGA	NORTHERN	NORTH-WESTERN	SOUTHERN	WESTERN	Grand Total
ALPHA	3				1	1					5
CHEEKA INVESTMENTS								1			1
COLLUM LUNM TIAN LIMITED					1						1
ECO PETROLEUM LTD		4		1		1	1				7
ENDRONE PETROLEUM					1			1	1	1	4
ENGEN PETROLEUM	1	7	1		20		2		3		34
ENIGMA PETROLEUM LIMITED	1										1
KESS						1					1
KOBIL	2	6	4		10				5	1	28
LAKE PETROLEUM LTD	3	10			3			1			17
LBM INVESTMENT LIMITED		1		1		1	2				5
LUAPULA OILS				1							1
LUSHOMO	1										1
MOUNT MERU	3	6	2	1	17	1		1	3		34
NGUCHA ENERGY CORPORATION				2	4			1			7
OASIS OIL LTD			4								4
OIL BAY	1										1
ORYX OIL ZAMBIA LTD		6	2	1	2				2		13
PETRODA ZAMBIA LTD		6			12			1			19
PETROLINK								1			1
PUMA ENERGY	3	14	5	1	20	1	1	2	6	3	56
QUALITY PETROLEUM					1						1
RAVASIA					1						1
REFUEL PETROLEUM LIMITED										2	2
SAMFUEL LIMITED	2	7									9
SGC		12	2		7	1	1	1	2		26
SPECTRA OIL CORPORATION					3						3
STAR OIL COMPANY LTD		1									1
SUBAN PETROLEUM (Z) LTD		3			2					1	6
TOTAL ZAMBIA LIMITED	7	16	1	1	22	2	1	2	3	1	56
TRIBUTE INVESTMENTS LIMITED								2			2
U-FUEL	1										1
WWW INVESTMENTS	1										1
ZACKS HARDWARE					1	1					2
ZAF CUSA	1										1
ZHONG KUANG SERVICES		1									1
<b>Grand Total</b>	<b>30</b>	<b>100</b>	<b>21</b>	<b>9</b>	<b>128</b>	<b>10</b>	<b>8</b>	<b>14</b>	<b>25</b>	<b>9</b>	<b>354</b>

**Table 10: Retail service stations by provincial distribution, as at 31<sup>st</sup> December, 2018**

### 3.2 Petroleum uplifts by Oil Marketing Companies

<b>Petrol</b>	<b>2018</b>		<b>2017</b>	
<b>Month/ Product</b>	<b>Quantity (m<sup>3</sup>)</b>	<b>Average No Trucks/Day</b>	<b>Quantity (m<sup>3</sup>)</b>	<b>Average No Trucks/Day</b>
January	37,919	35	24,082	22
February	31,130	32	29,188	30
March	35,482	33	35,182	32
April	36,101	34	30,650	29
May	40,355	37	40,066	37
June	37,842	36	34,019	32
July	35,624	33	37,257	34
August	42,119	39	40,062	37
September	36,206	34	39,687	38
October	38,085	35	35,067	32
November	37,137	35	38,559	37
December	38,037	35	40,514	37
<b>Grand Total</b>	<b>446,036</b>	<b>35</b>	<b>424,332</b>	<b>33</b>

**Table 11: Actual quantities of Petrol uplifted at Government fuel depots, 2017 and 2018**

<b>Month/ Product</b>	<b>Diesel 2018</b>		<b>Diesel 2017</b>	
	<b>Quantity (M<sup>3</sup>)</b>	<b>Average No Trucks/Day</b>	<b>Quantity (M<sup>3</sup>)</b>	<b>Average No Trucks/Day</b>
January	61,660	57	38,182	35
February	47,687	49	42,589	43
March	51,279	47	46,274	43
April	58,092	55	48,703	46
May	66,802	62	62,013	57
June	66,282	63	60,297	57
July	69,873	64	63,345	58
August	91,823	85	68,329	63
September	88,108	84	71,471	68
October	90,038	83	66,327	61
November	78,208	74	66,248	63
December	71,747	66	62,120	57
<b>Grand Total</b>	<b>841,599</b>	<b>66</b>	<b>695,898</b>	<b>54</b>

**Table 12: Actual quantities of Diesel uplifted at Government fuel depots, 2017 and 2018**

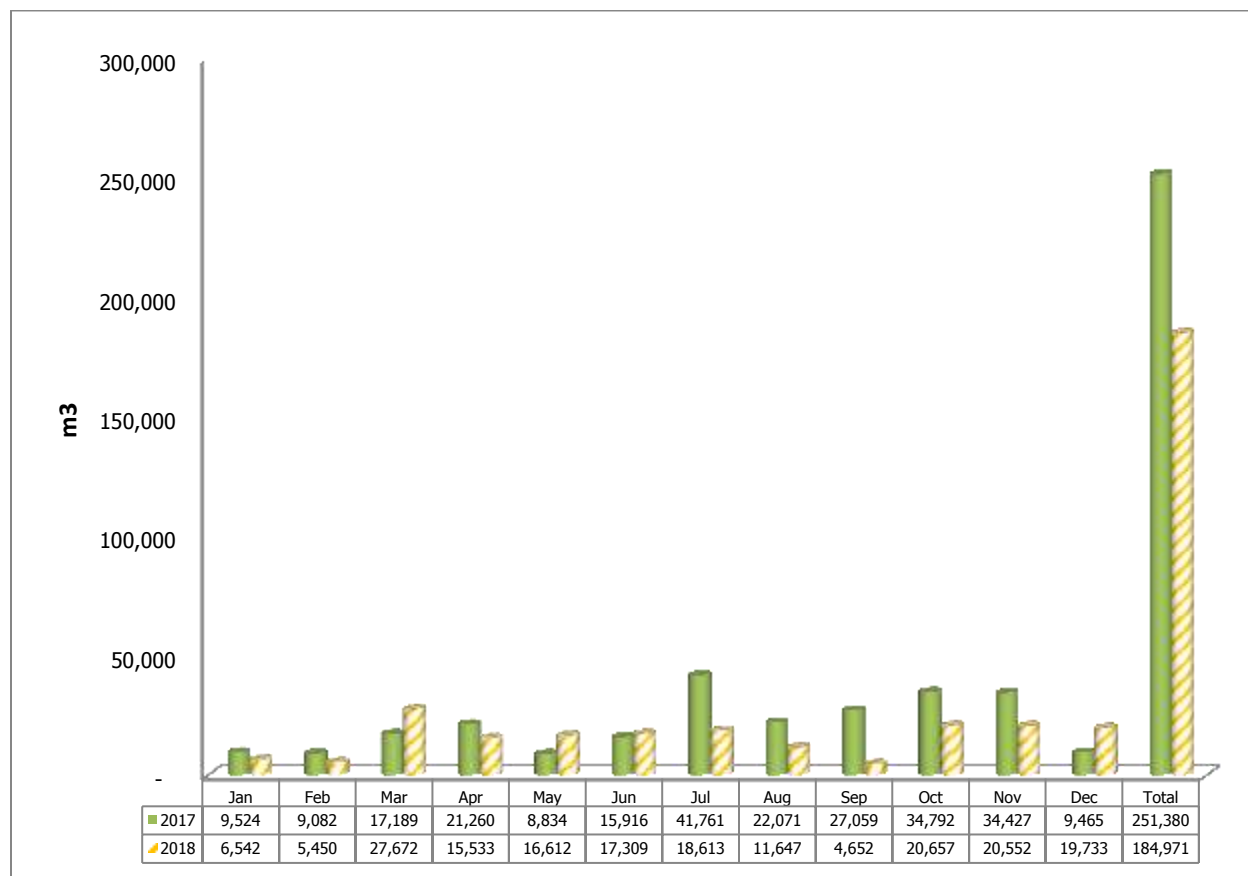
### 3.3 Government importation of petroleum feedstock

No.	Cargo Name	Month	Tonnage (MT)
<b>2017</b>			
1	MT. Desh Mahima II	April 2017	105,506
2	MT. Desh Garima	May 2017	104,802
3	MT. Desh Mahima III	Jul 2017	105,000
4	MT. Desh Garima II	September 2017	102,129
5	MT. Desh Garima III	December 2017	102,000
	<b>Total</b>		<b>519,437</b>
<b>2018</b>			
1	MT. Desh Mahima IV	January 2018	103,701
2	MT. Desh Mahima V	March 2018	104,126
3	MT. Desh Samman	May 2018	104,100
4	MT. Desh Suraksha	July 2018	103,216
5	MT. Desh Mahima VI	September 2018	102,610
6	MT. Desh Samman II	November 2018	100,689
	<b>Total</b>		<b>618,441</b>

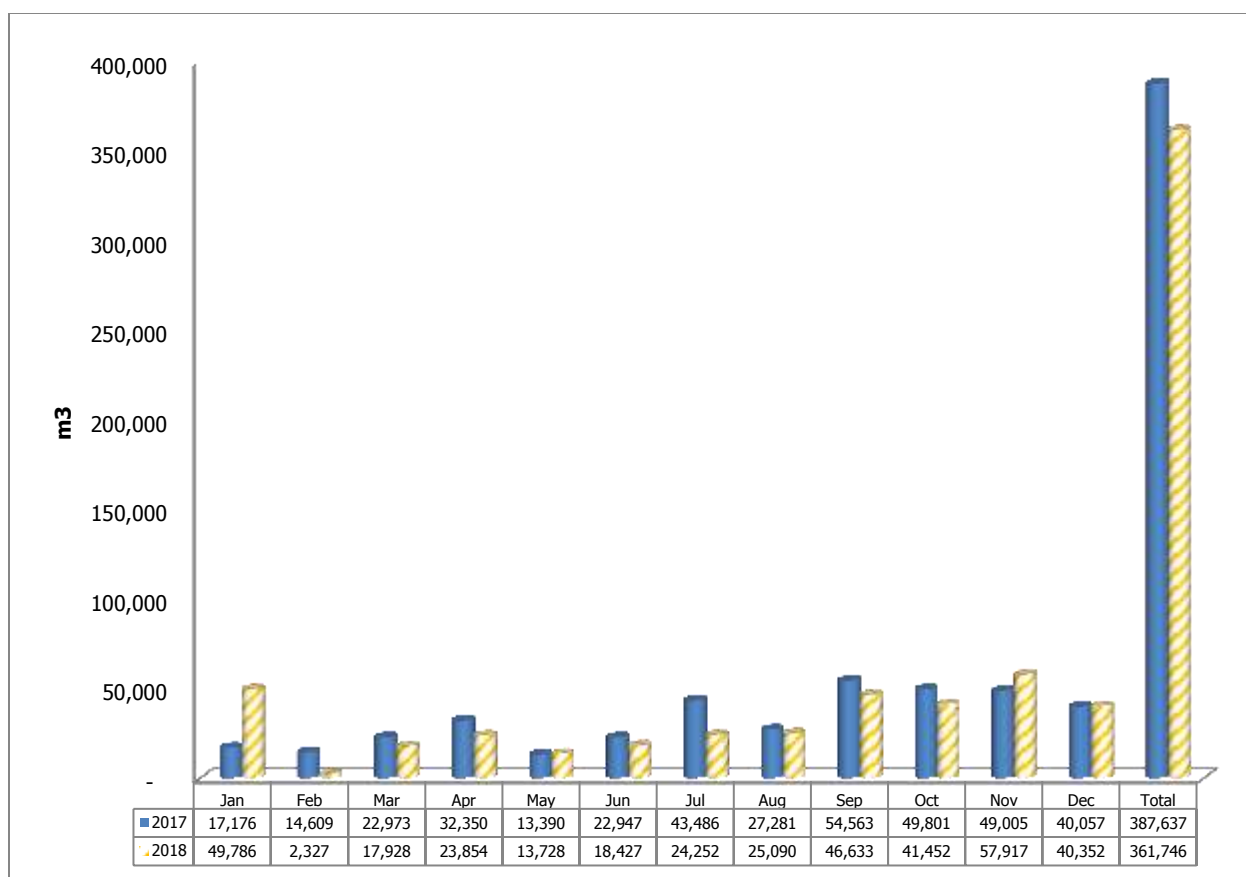
**Table 13: Petroleum feedstock imports, 2017 and 2018**



### 3.4 Government importation of petrol and low sulphur gas oil



**Figure 9: Government importation of petrol, 2017 and 2018**



**Figure 10: Government importation of low Sulphur gasoil, 2017 and 2018.**

### 3.5 INDENI Refinery production of petroleum products

Month/Products	Diesel	Unleaded Petrol	Kerosene	Jet A-1	LPG	Commercial Butane	HFO
MT							
Jan	27,952.00	12,809.00	3,379.00	-	168.00	887.00	10,094.00
Feb	24,951.00	9,344.00	1,684.00	1,243.00	447.00	401.00	8,874.00
Mar	27,022.00	12,556.00	1,578.00	2,492.00	553.00	411.00	8,848.00
Apr	23,430.00	9,608.00	1,572.00	1,436.00	411.00	374.00	9,724.00
May	29,062.00	12,814.00	886.00	1,061.00	727.00	256.00	11,334.00
Jun	25,485.00	15,140.00	1,973.00	1,503.00	736.00	496.00	13,278.00
Jul	26,754.00	16,415.00	2,133.00	2,293.00	496.00	750.00	13,065.00
Aug	23,292.00	14,610.00	1,893.00	(6.00)	895.00	(28.00)	13,157.00
Sep	24,340.00	14,780.00	2,130.00	922.00	419.00	325.00	12,483.00
Oct	11,462.00	4,629.00	309.00	17.00	44.00	56.00	4,358.00
Nov	4,089.00	1,344.00	(99.00)	(3.00)	94.00	(263.00)	1,857.00
Dec	26,453.00	11,684.00	3,100.00	(10.00)	398.00	(26.00)	11,679.00
<b>Grand Total</b>	<b>274,292.00</b>	<b>135,733.00</b>	<b>20,538.00</b>	<b>10,948.00</b>	<b>5,388.00</b>	<b>3,639.00</b>	<b>118,751.00</b>

**Table 14: Refinery monthly production trend in 2018<sup>3</sup>**

<sup>3</sup> A negative figure indicates quantities of a product that was upgraded into another product.

Month/Product	PETROL	DIESEL	KEROSENE	JET A1	BUTANE/LPG	BITUMEN	HFO
	MT						
Jan	6,921.00	12,049.00	1,049.00	-	350	0	6,615.00
Feb	10,809.00	18,814.00	564	386	812	0	13,682.00
Mar	11,244.00	18,026.00	1,487.00	-	664	0	13,961.00
Apr	13,548.00	21,430.00	1,540.00	-	1,024	0	16,379.00
May	11,358.00	17,402.00	2,545.00	-	625	0	17,994.00
Jun	11,401.00	23,666.00	1293	-	956	0	16,204.00
Jul	11,166.00	19,394.00	1,284.00	-	601	0	19,246.00
Aug	12,626.00	24,074.00	3,740.00	-	904	0	21,246.00
Sep	9,354.00	18,438.00	1,090.00	-	630	0	13,588.00
Oct	1,764.00	1,793.00	699	-	150	0	8,271.00
Nov	11541	18,770.00	1133	-	917	0	18,806.00
Dec	11,859.00	22,816.00	1,706.00		1,135	0	10,239.00
<b>Grand Total</b>	<b>123,591.00</b>	<b>216,672.00</b>	<b>18,130.00</b>	<b>386</b>	<b>8,768.00</b>	<b>0</b>	<b>176,231.00</b>

**Table 15: Refinery monthly production trend in 2017<sup>4</sup>**

### 3.6 National Consumption of Petroleum Products

Month/Product	Domestic Kerosene	Gas Oil	Heavy Fuel Oil	Industrial Kerosene	Jet A-1	Low Sulphur Gas Oil	LPG	Unleaded Petrol
Jan-2018	1,789,450.81	54,174,337.19	15,667,524.92	55,000.00	2,637,972.00	20,768,219.73	397,138.53	34,683,288.22
Feb-2018	1,349,493.66	47,724,193.95	16,219,973.94	76,502.00	1,965,133.00	17,933,518.89	567,356.96	32,339,551.54
Mar-2018	1,236,283.74	50,712,956.75	15,405,803.42	55,000.00	2,784,184.00	22,516,029.62	525,367.57	36,142,807.60
Apr-2018	1,456,226.43	56,965,160.45	3,306,086.97	55,000.00	3,300,512.00	20,363,117.57	671,345.64	34,952,444.01
May-2018	1,713,528.96	62,695,183.19	4,929,286.74	107,621.00	3,637,423.00	22,662,623.89	718,292.49	37,684,455.28
Jun-2018	1,619,130.63	64,862,244.69	2,808,906.00	42,888.00	3,051,749.00	21,568,771.18	857,699.12	37,314,221.22
Jul-2018	1,426,665.26	64,337,734.67	3,288,233.96	43,490.00	2,071,485.00	23,764,501.07	638,018.55	37,815,276.43
Aug-2018	1,944,556.27	67,249,334.54	37,722,716.79	36,000.00	3,761,637.00	24,152,613.22	647,815.10	38,925,088.79
Sep-2018	1,826,162.79	64,100,848.90	13,871,677.72	107,111.00	3,038,409.00	23,106,618.84	575,631.21	37,240,470.09
Oct-2018	1,481,791.43	63,101,349.28	6,866,336.86	177,835.00	3,127,912.00	25,222,079.93	527,656.96	37,562,788.70
Nov-2018	1,346,026.61	75,194,930.04	13,926,296.81	5,000.00	2,010,518.00	8,352,447.02	430,930.13	35,186,816.00
Dec-2018	1,302,503.03	58,685,605.97	10,597,118.73	36,000.00	2,708,195.00	20,525,732.54	448,945.62	36,191,524.41
<b>Grand Total</b>	<b>18,491,819.62</b>	<b>729,803,879.62</b>	<b>144,609,962.87</b>	<b>797,447.00</b>	<b>34,095,129.00</b>	<b>250,936,273.50</b>	<b>7,006,197.87</b>	<b>436,038,732.29</b>

**Table 16: Total national consumption of petroleum products as at 31<sup>st</sup> December, 2018<sup>5</sup>**

<sup>4</sup> A negative figure indicates quantities of a product that was upgraded into another product.

<sup>5</sup> All products are in litres except for LPG and HFO which are in kgs.

Month/Product	Domestic Kerosene	Gas Oil	Heavy Fuel Oil	Industrial Kerosene	Jet A-1	Low Sulphur Gas Oil	LPG	Unleaded Petrol
Jan-2017	997,276.29	46,112,431.41	5,660,637.64	89,949.00	2,423,818.00	20,521,310.55	495,685.27	34,169,650.53
Feb-2017	1,126,920.02	43,594,157.62	8,149,469.36	113,000.00	2,264,885.00	17,878,072.16	331,463.16	31,209,592.20
Mar-2017	1,343,386.74	46,732,573.76	9,102,244.43	101,197.00	2,327,304.00	19,942,423.68	378,099.76	35,214,245.32
Apr-2017	1,376,898.54	48,241,879.44	12,055,577.90	125,000.00	2,675,283.00	21,909,049.51	371,950.78	33,442,619.69
May-2017	1,726,067.90	60,625,268.32	14,525,690.05	121,869.00	2,951,903.00	21,236,089.49	376,861.07	36,904,097.09
Jun-2017	1,728,442.10	58,516,699.74	15,308,042.76	96,874.00	2,614,064.00	24,862,341.49	352,698.70	36,422,371.09
Jul-2017	1,581,539.74	64,051,250.61	14,834,996.52	121,976.00	3,115,165.00	19,803,809.52	354,078.91	36,308,603.97
Aug-2017	2,267,137.37	72,769,002.49	21,368,345.97	127,703.00	3,127,298.00	16,456,654.65	404,362.31	39,086,192.90
Sep-2017	2,104,933.48	67,695,821.29	16,298,371.02	204,705.00	2,949,932.00	19,980,597.95	411,946.87	36,977,812.00
Oct-2017	1,713,209.41	69,285,550.97	13,725,818.73	324,250.00	2,700,166.00	22,011,830.48	330,226.39	38,765,096.97
Nov-2017	1,530,171.73	65,173,187.14	15,777,771.71	234,911.00	2,393,433.00	20,081,190.00	503,788.65	37,387,120.85
Dec-2017	1,236,498.27	59,476,519.42	14,959,400.97	35,848.00	3,248,889.89	18,857,882.57	407,878.47	38,699,443.53
<b>Grand Total</b>	<b>18,732,481.59</b>	<b>702,274,342.20</b>	<b>161,766,367.10</b>	<b>1,697,282.00</b>	<b>32,792,140.89</b>	<b>243,541,252.00</b>	<b>4,719,040.34</b>	<b>434,586,846.10</b>

**Table 17: Total national consumption of petroleum products as at 31<sup>st</sup> December, 2017<sup>6</sup>**

<sup>6</sup> All products are in litres except for LPG and HFO which are in kgs.

### 3.7 Market share for white petroleum products

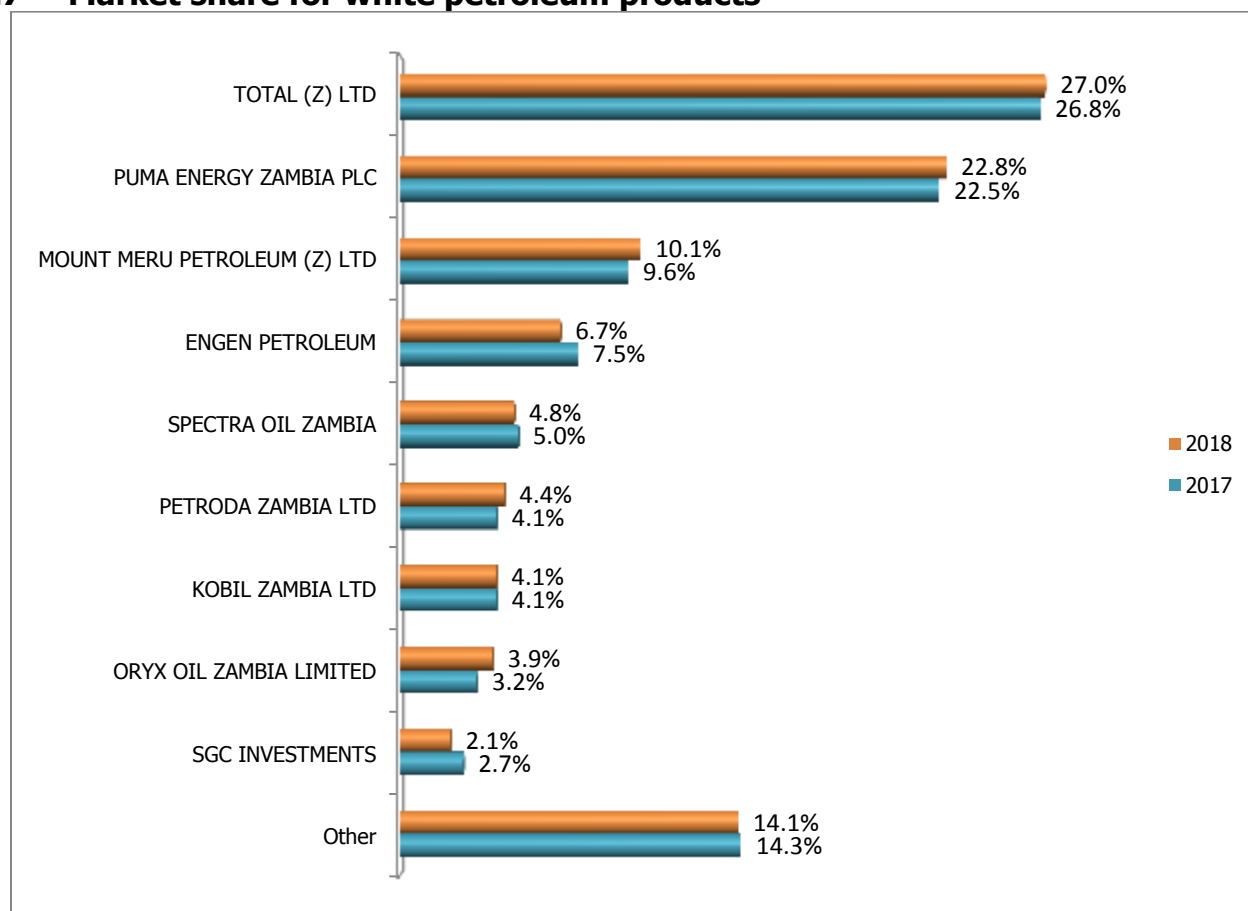
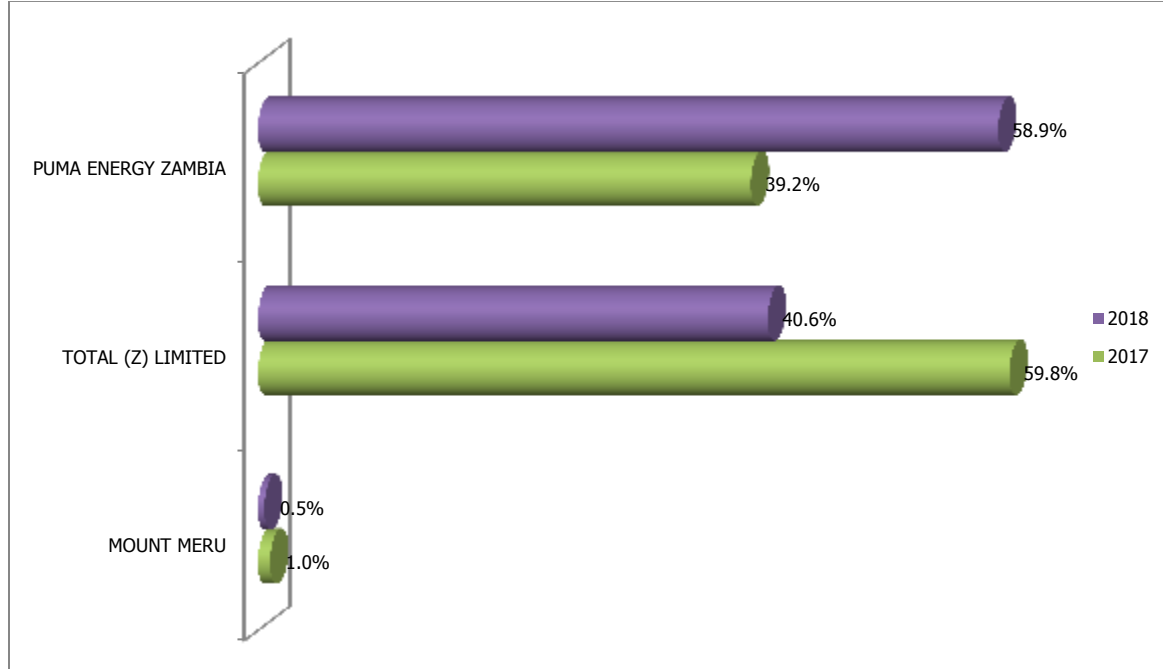


Figure 11: OMC market share for white petroleum products<sup>7</sup> as at 31<sup>st</sup> December, 2018

<sup>7</sup> Used here to refer to Gas oil (including Low sulphur gas oil), Unleaded petrol and kerosene

### 3.8 OMCs market share for Jet A-1



**Figure 12: OMC market share for Jet A-1 as at 31<sup>st</sup> December, 2018**

## 4.9 National Fuel Pump Price and Regional Comparison

### 4.9.1 National fuel pump price

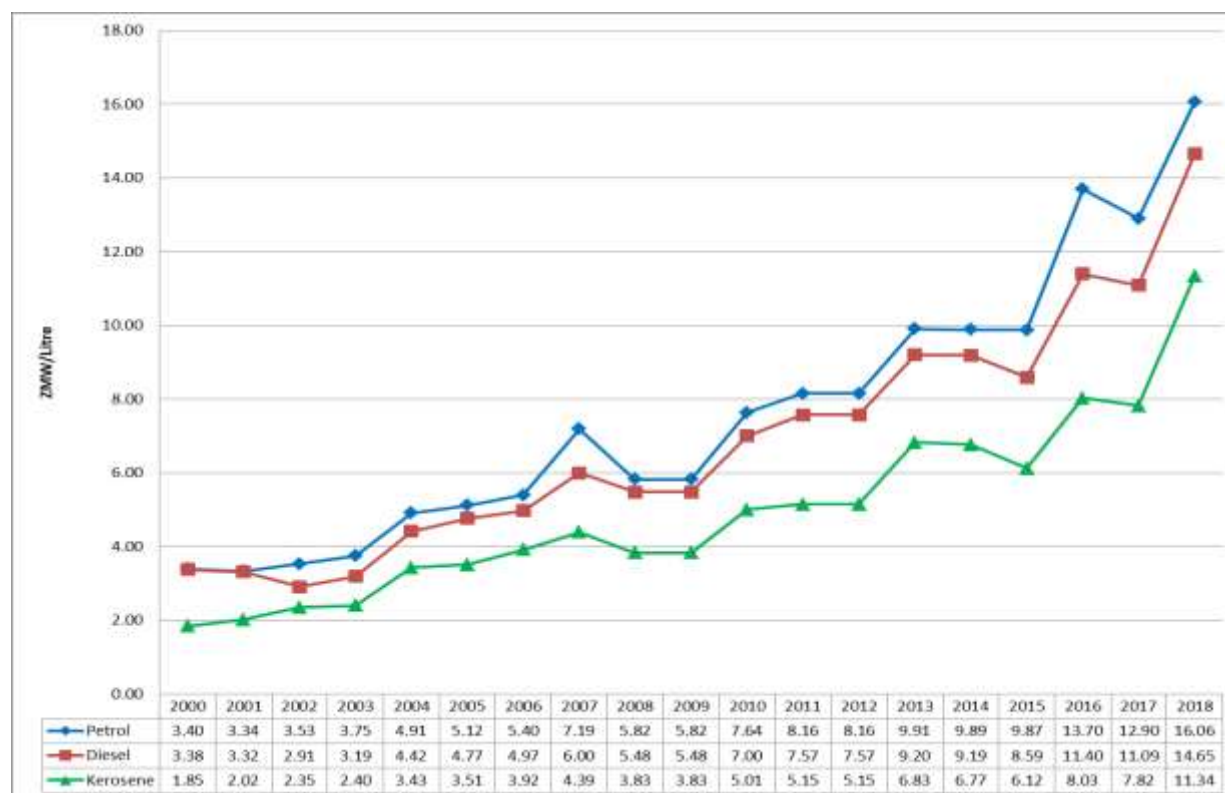
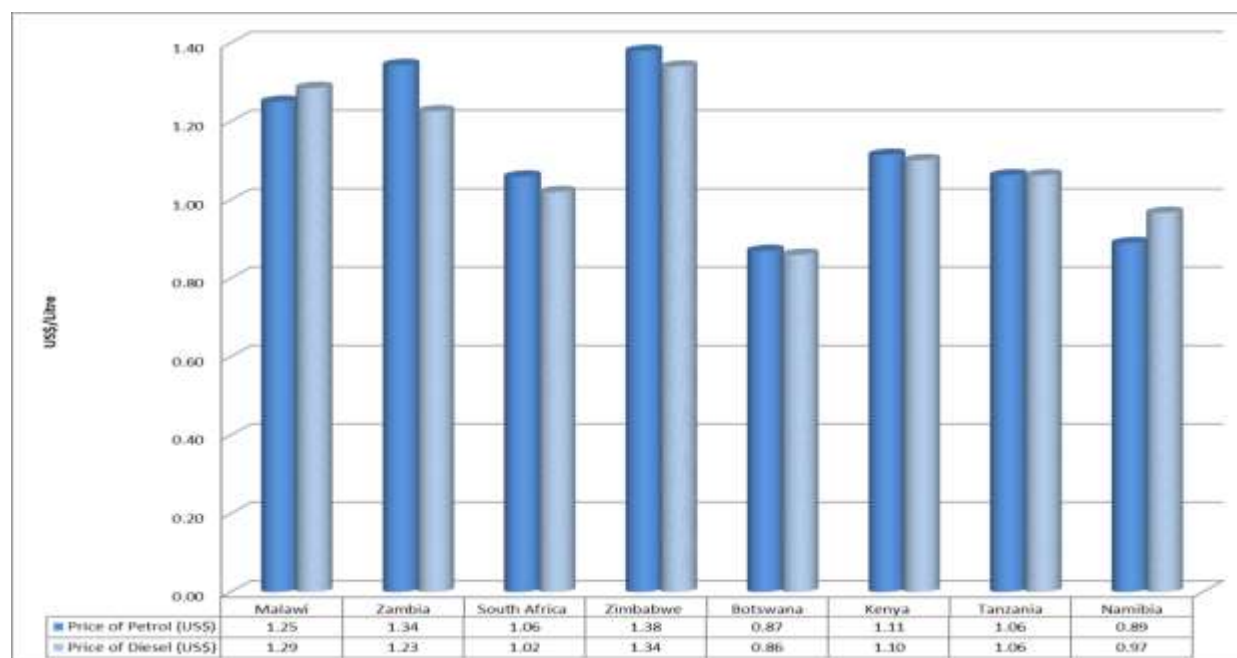


Figure 13: National year-end fuel pump prices trend, 2000 to 2018<sup>8</sup>

<sup>8</sup> Prices for the period 2000 to 2012 were rebased.

## 4.9.2 Regional Comparison of prices for Petrol and Diesel



**Figure 14: Regional prices of petrol and diesel as at 31<sup>st</sup> December, 2018.**