



KEY STATISTICS IN ENERGY SECTOR AS OF SEPTEMBER 2013

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SUMMARY

In summary, this report is composed of Energy and the period under review is from June to September 2013. Total number of electricity subscribers was 388,085 as of the third quarter 2013 from 374,056 for the second quarter 2013 this represents 3.61% increase. The city of Kigali has the largest market share of 38% followed by the Eastern province that has 24%, Western province has 13%, Southern province has 15% and the Northern Province has 10%. The total independent power producers were 12 as of September 2013.

ELECTRICITY

Electricity as a primary source of lighting in Rwanda has continued to show an increasing trend in the number of subscribers. This is attributed to the government objective of increasing accessibility of this utility to people both in Rural and urban areas. Secondary it might be attributed to the increasing new infrastructures in terms of new buildings coming up.

In this quarter the production of electricity decreased by 11.5% from 119,622,054 kWh to 105,862,410 kWh this is mainly due to the decreased levels of water and the maintenance of power plants that took place in this quarter under review.

The Government of Rwanda is currently looking for other means to generate electricity other than depending only on Hydro power and thermal electricity, these includes solar energy, Wind energy, etc.

Figure 1: Electricity Subscribers as of September 2013

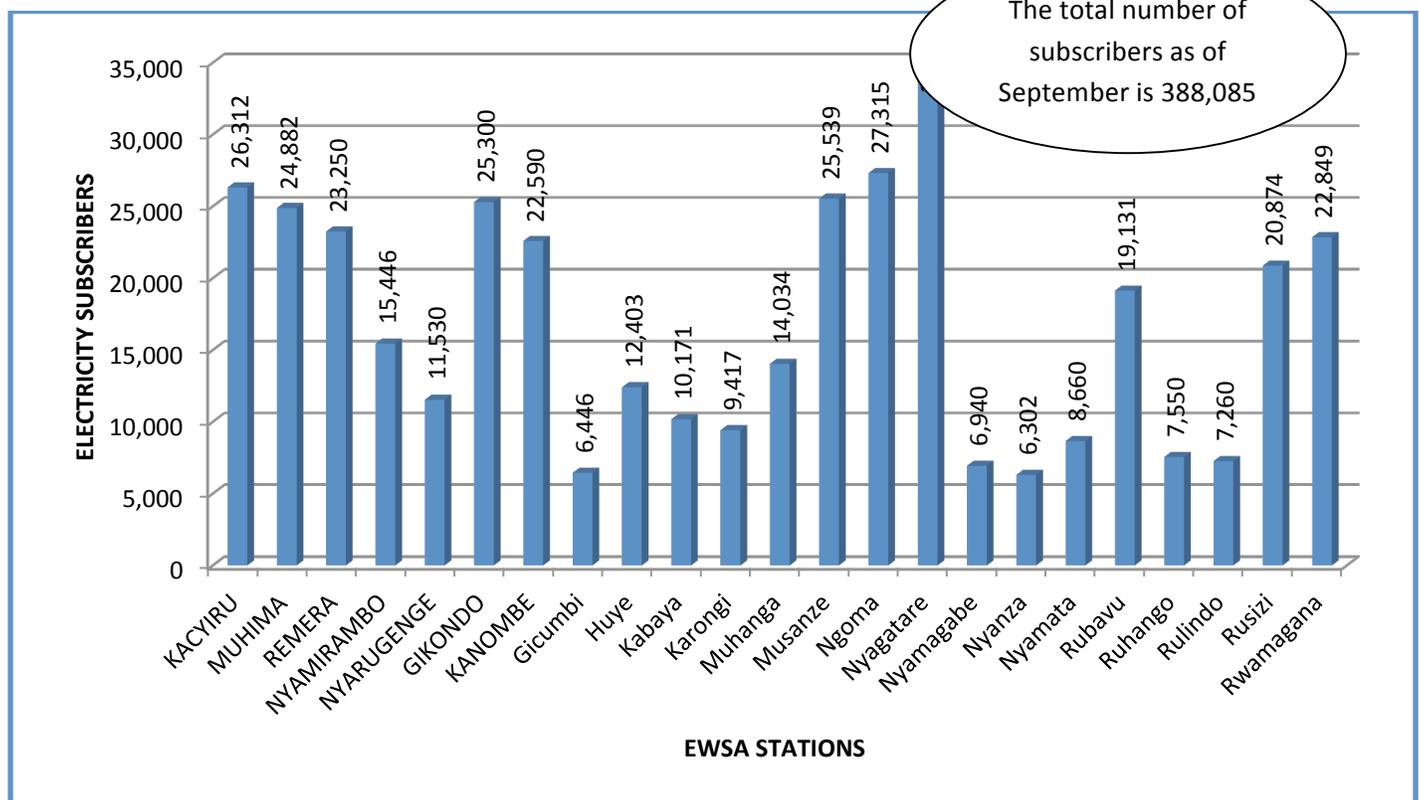


Figure 2: Trend in electricity subscribers by province for the last three quarters September 2013

	1st quarter 2013	2nd quarter 2013	3rd Quarter 2013	Variation	% Increase
Eastern Province	88,393	90,329	92,708	2,379	2.6
Kigali City	141,242	144,963	149,310	4,347	2.9
Western Province	45,065	47,049	49,422	2,373	4.8
Northern Province	36,170	36,982	39,245	2,263	5.8
Southern Province	51,949	54,733	57,400	2,667	4.6
Total	362,174	374,056	388,085	14,029	

The total number of subscribers as of the third quarter increased from 374,056 to 388,085 this increase is mainly observed in the Northern Province which has a 5.8% increase in subscribers followed by the Southern Province and the Northern Province which has an increase in subscriptions of more than 4%. The provinces with the least increase are the Eastern Province and the City of Kigali.

Figure 3: Trend in Electricity Subscribers market share by province for the last three quarters

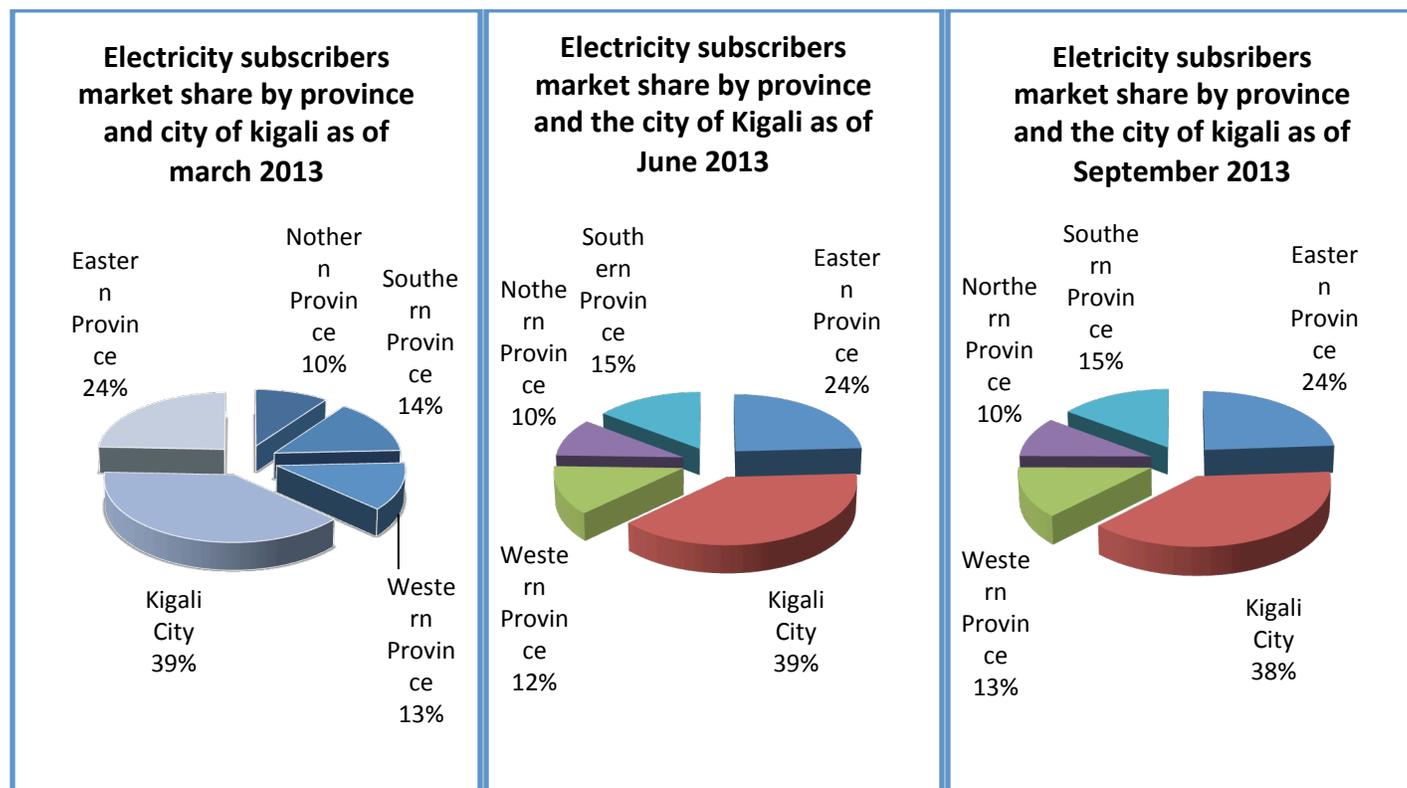


Table 1: Electricity Production as of September 2013 in kWh

	1st quarter 2013	2nd quarter 2013	3rd quarter 2013	Variation
NTARUKA	7,059,000	4,198,900	4,023,000	-175,900
MUKUNGWA	19,010,800	19,272,650	19,939,660	667,010
GISENYI	774,696	19,272,650	1,540,972	-17,731,678
GIHIRA	2,452,440	2,672,340	2,061,140	-611,200
RUKARARA	8,365,560	8,889,500	8,540,100	-349,400
MURUNDA	142,210	182,919	142,452	-40,467
RUGEZI	277,854	556,875	0.00	-556,875.00
KEYA	347,300	0	0	0
CYIMBILI	41,500	176,500	42,700	-133,800
NKORA	735,612	769,532	603,455	-166,077
MAZIMERU	562,400	582,000	298,000	-284,000
JABANA I	1,622,600	1,337,200	1,025,690	1,025,690
JABANA II	22,625,012	24,168,312	24,264,376	96,064
AGGREKO GIKONDO	20,689,188	16,504,180	22,236,061	5,731,881

AGGREKO MUKUNGWA	14,969,750	16,504,180	17,435,750	931,570
METHANE GAS	2,327,430	2,664,290	2,427,330	-236,960
JALI SOLAR	75,190	75,190	49,336	-25,854
Musarara	351,503	630,846.56	856,735.00	225,888.44
Mukungwa 2		1,163,990	375,653	-788,337
	102,430,045	119,622,054	105,862,410	

The total electricity production decreased from 119,622,054 kWh to 105,862,410 kWh this is mainly due to some production plants that include , Mukungwa 2, JALI SOLAR, METHANE GAS, MAZIMERU, NKORA, CYIMBILI, RUGEZI ,Murunda, RUKARARA , GIHIRA, GISENYI , NTARUKA that faced a down fall in electricity production. However some other plants like AGGREKO Gikondo, AGGREKO Mukungwa, Musarara, Jabana II, Jabana I and Mukungwa had an increase in the production as of the third quarter 2013.

Figure 4: Trend in electricity production as of the last three quarters

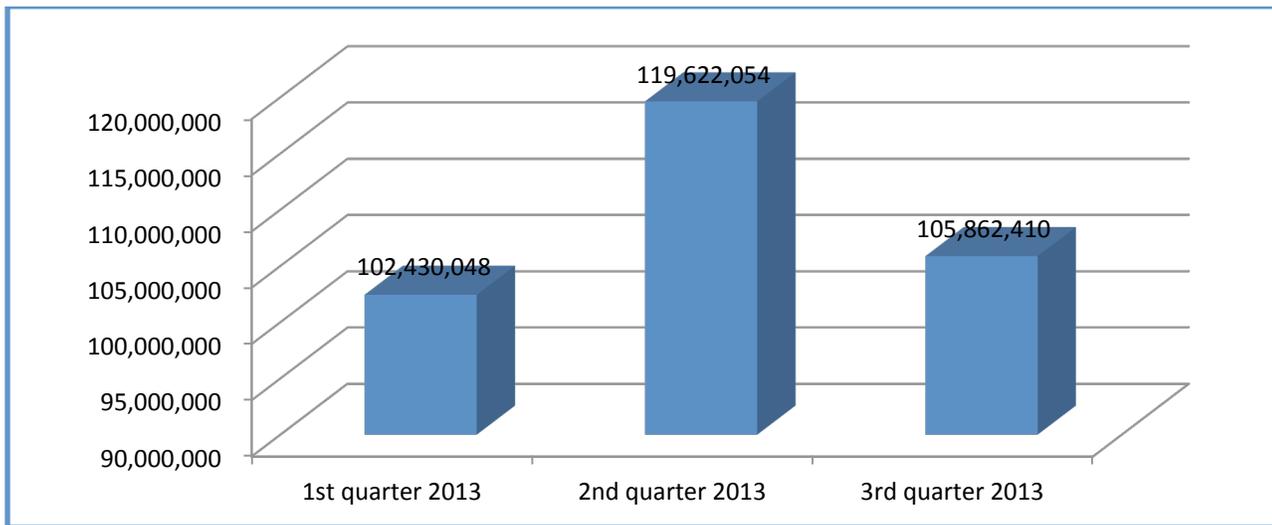
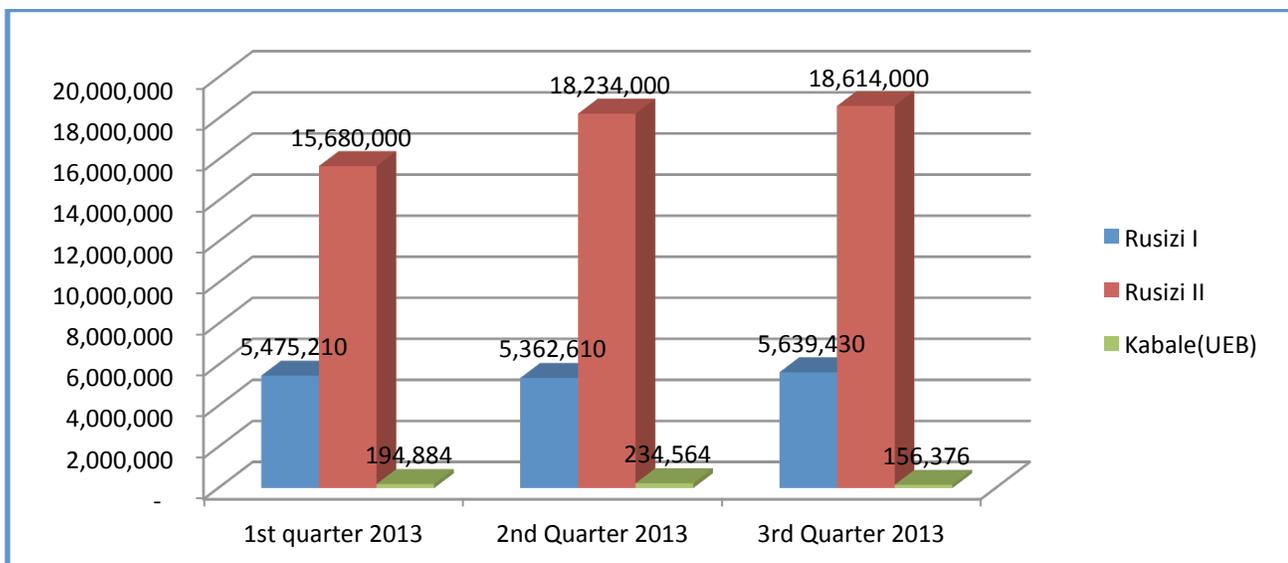


Figure 5: Trend in Imported Electricity as of September in kWh



Though Electricity imports continued to increase in the third quarter from Rusizi I and Rusizi II electricity imports from Kabale(UEB) decreased from 234,564kWh to 156,376 kWh in the third quarter 2013.

Figure 7: Trend in Imported Electricity as of September in kWh

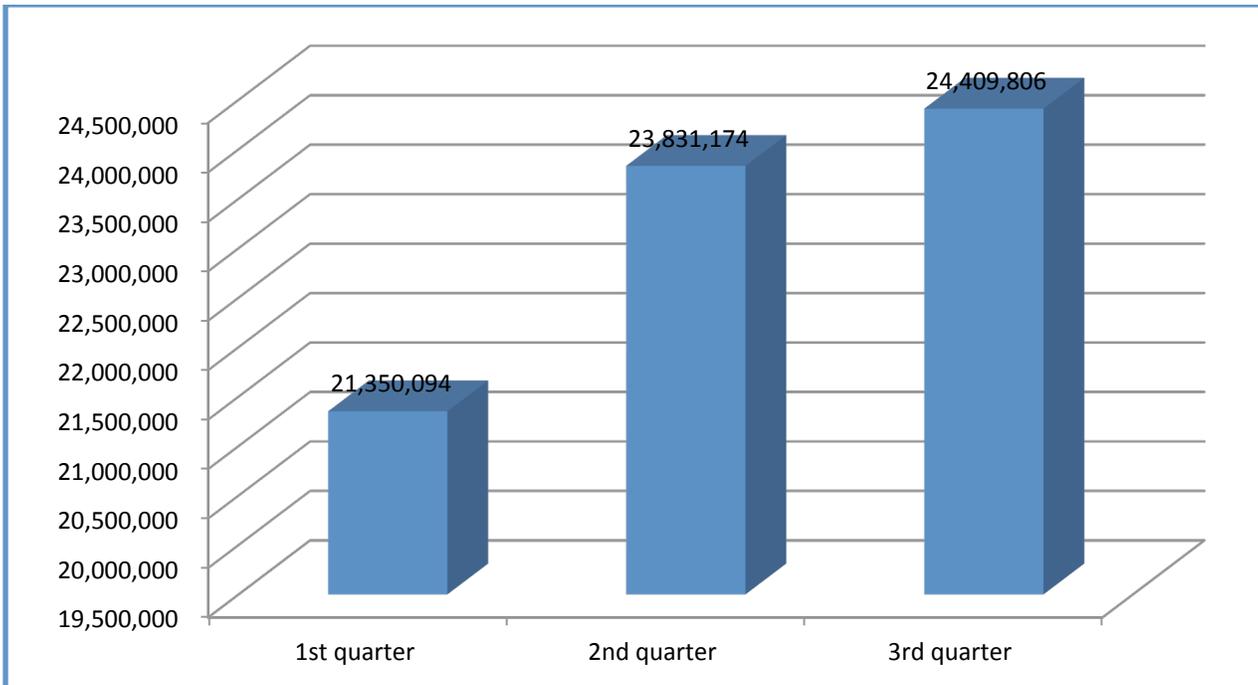
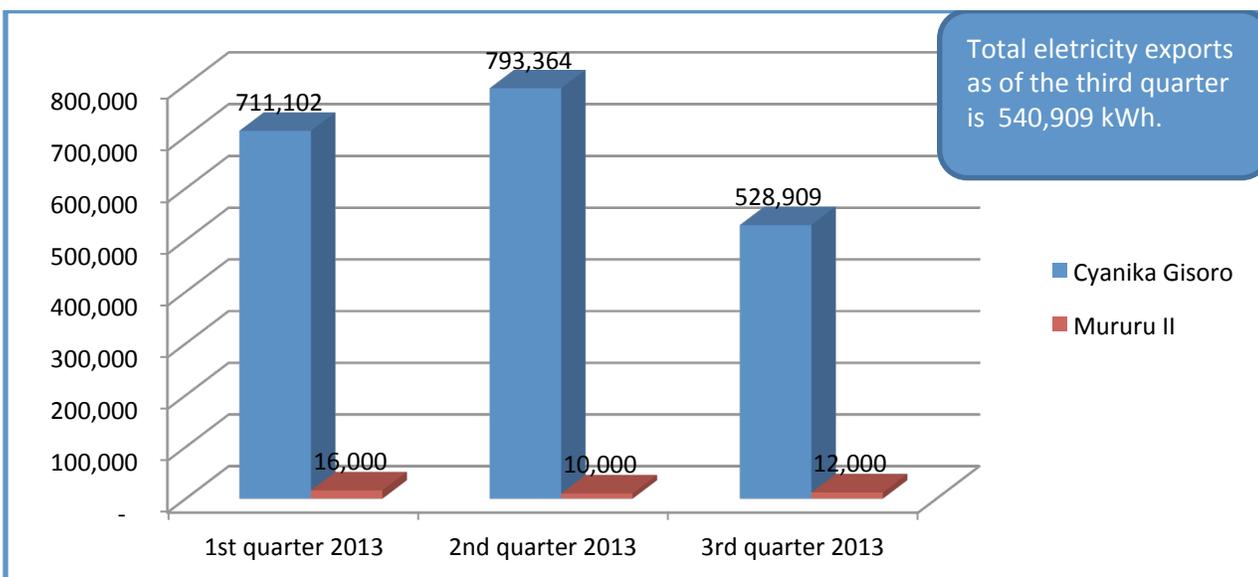
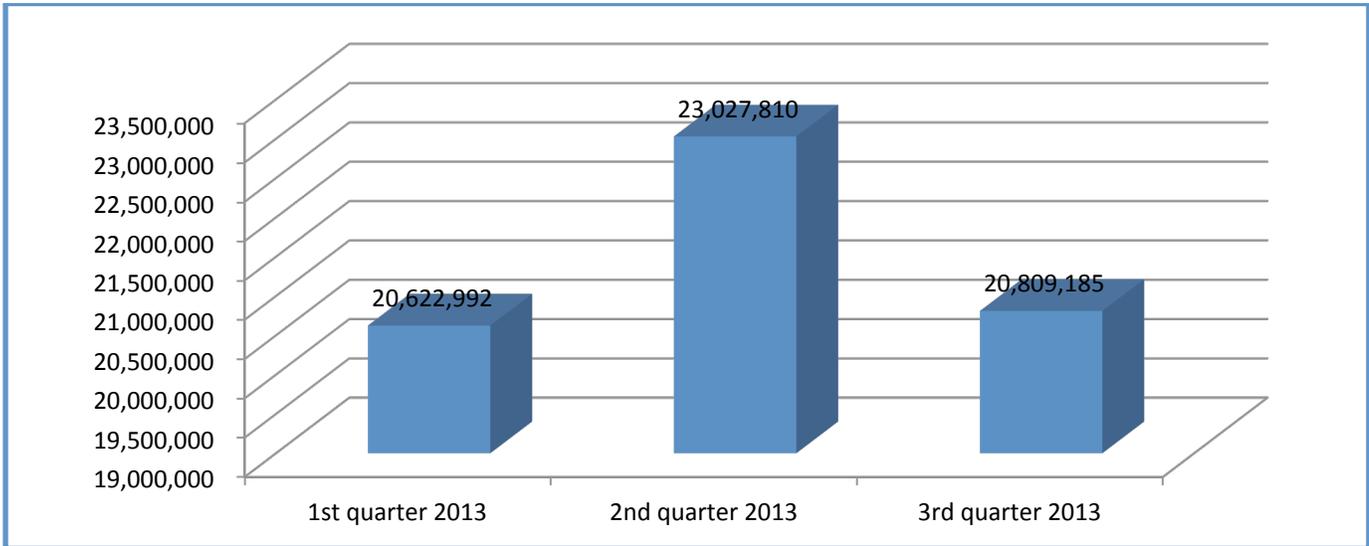


Figure 6: Trend in electricity Exports in 2013



Electricity exports to Cyanika Gisoro and Mururu II decreased in the third quarter by 33% from 803,364kWh to 540,909 kWh. This results from the general down fall of electricity production.

Figure 7: Net electricity imported in 2013



The fall in electricity exports automatically led to the downfall of net electricity imports as of the third quarter.

Figure 8: Technical and non Technical; Losses from January to September 2013

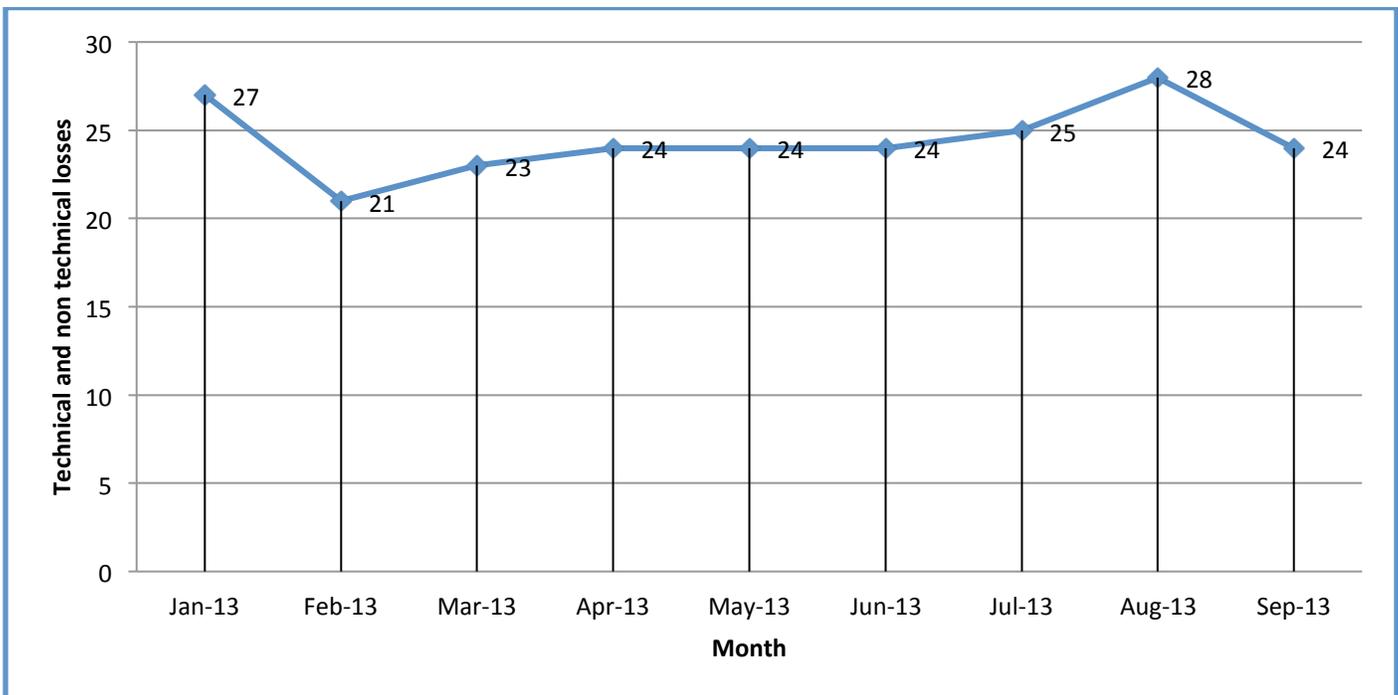


Figure 9: Number of staffs employed in EWSA in electricity department as of September 2013

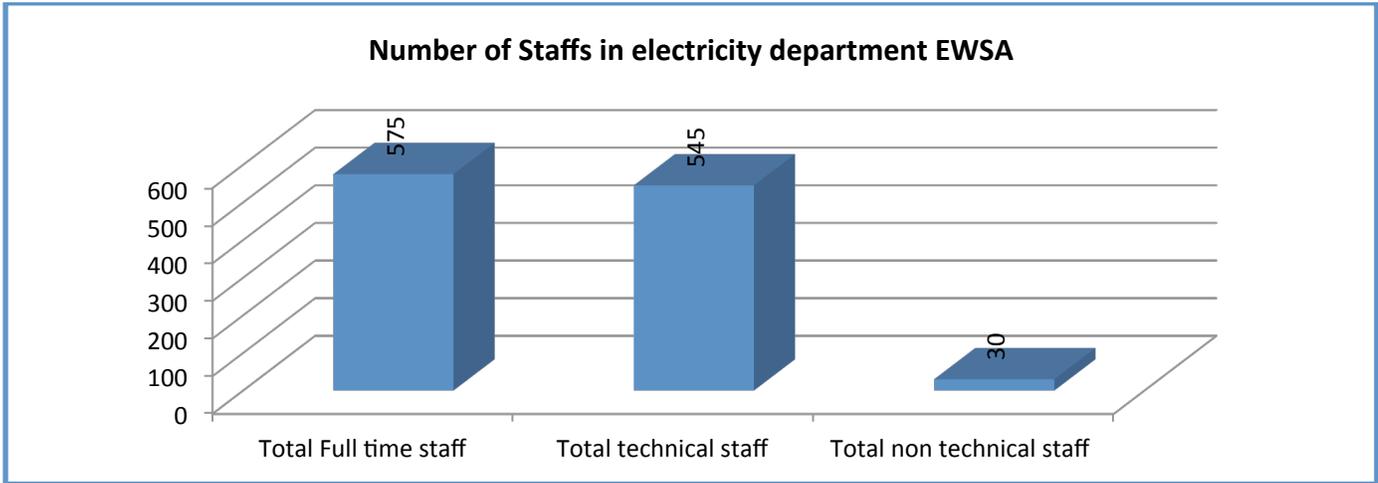
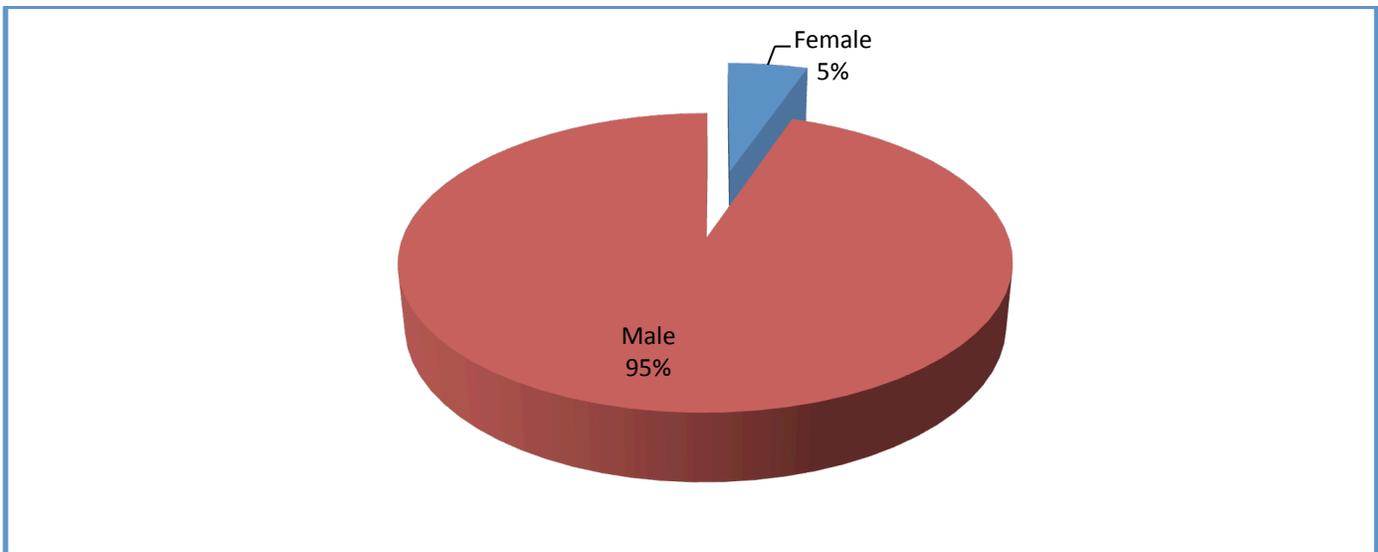


Figure 11: EWSA Staffs by Gender as of September 2013



INDEPENDENT POWER PRODUCERS

Table 2: List of licensed independent power producers as of September 2013

	SITE NAME and LOCATION (District)	TYPE OF GENERATION	OWNER (IPPs)	INSTALLED (EXPECTED) CAPACITY	CURRENT STATUS
1	MAZIMERU NYARUGURU District	Hydro	Energy Nyaruguru (ENNY)	500 kW	Operational
2	MURUNDA RUTSIRO District	Hydro	Rural Energy Promotion (REPRO)	100 kW	Operational
3	MUSARARA GAKENKE District	Hydro	Société de Gestion de l'Electricité et de l'Eau en Milieu Rural (SOGEMR)	480 kW	Operational
4	GICIYE NYABIHU District	Hydro	Rwanda Mountain Tea (RMT)	4 MW	At final stage of construction Commissioning expected in December 2013
5	RUKARARA V and MUSHISHIRO NYAMAGABE District	Hydro	Renewable Energy for Accelerated Development (REFAD)	5 MW	Under construction
6	JALI solar energy GASABO District	Solar	STADTWERKE MAINZ AG	250 kW	Operational
8	RUKARARA 1 NYAMAGABE District	Hydro	NGALI ENERGY	9.5 MW	Operational
9	Gikondo Rental Power KICUKIRO District	Thermal (Diesel)	AGGREKO	10 MW	Operational

10	Mukungwa Rental Power MUSANZE District	Thermal (Diesel)	AGGREKO	10 MW	Operational
11	Kivu Watt KARONGI District	Thermal (Methane Gas)	Contour Global	25 MW	At the final stage of construction Commissioning expected in the first quarter 2013
12	KP1 RUBAVU District	Thermal (Methane Gas)	Kibuye Power	1.8MW	Operational