



RWANDA AND JAPAN CELEBRATE COOPERATION IN ENERGY SECTOR DEVELOPMENT

**ANOTHER MILESTONE ACHIEVED
- TWO MILLION HOUSEHOLDS
HAVE ACCESS TO ELECTRICITY**

**2021/2022: SOME OF THE
ACHIEVEMENTS IN ENERGY
DEVELOPMENT**

**REG BBC QUALIFIED IN BAL
FINALS IN KIGALI**

TABLE OF CONTENTS

RWANDA AND JAPAN CELEBRATE COOPERATION IN ENERGY SECTOR DEVELOPMENT	.....	4
REG CELEBRATED THE INTERNATIONAL WOMEN'S DAY	.....	5
ANOTHER MILESTONE ACHIEVED - TWO MILLION HOUSEHOLDS HAVE ACCESS TO ELECTRICITY	.....	6
2021/2022: SOME OF THE ACHIEVEMENTS IN ENERGY DEVELOPMENT	.....	8
REG BBC QUALIFIED IN BAL FINALS IN KIGALI	.....	11

Our Vision

To be the leading regional provider of innovative and sustainable energy solutions for national development

Our Mission

Developing and providing reliable and affordable energy while creating value for our stakeholders

Core Values of REG



Customer Oriented

Serving our customers and ensuring their satisfaction through our culture of excellence



Integrity

We are open, fair and honest with our stakeholders



RESPECT FOR PEOPLE

We respect, empower, recognize and ensure the continuous development of our people.



TEAM WORK

We work together reinforcing our professional capabilities as individuals, teams and operating units



EFFICIENCY

We innovatively achieve more with fewer resources without compromising quality



SUSTAINABILITY

We provide sustainable solutions in a safe environment

1 RWANDA AND JAPAN CELEBRATE COOPERATION IN ENERGY SECTOR DEVELOPMENT



Kicukiro Districts, City of Kigali. The project intended to enhance and encourage sustainable economic activities and in turn lower costs of doing business, while improving living standards. The project grant amounted JPY 2,219,000,000 (then 18.4million USD approx.)

The 3rd phase of the grant was JPY 2,635,000,000 (then approx. 22 million USD). It consists of constructing a new 110/15kV substation with 2 power transformers with of 10 MW each in Gasogi (Ndera Sector, Gasabo District). As of today, the construction of Gasogi substation is at its completion phase (the progress of implementation is estimated at 98%) and is expected to be fully completed and energized on July, 31st 2022.

Kigali, July 20, 2022 - In the framework of the celebrating 60 years anniversary of the cooperation between Rwanda and Japan, the Minister of Infrastructure Hon. Dr. Ernest Nsabimana together with His Excellency Mr. Masahiro IMAI, the Ambassador of Japan to Rwanda, visited different electrical infrastructure projects supported by the Government of Japan under this cooperation.

Since the year 2011, the Government of Japan has been supporting Rwanda's energy sector to improve the quality of power supply and ensure the network reliability and stability, through a series of grants under a project dubbed "Improvement of Substation and Distribution Network". The project was implemented into 3 consecutive phases with a total cost of 7,308,000,000 Japanese Yens.

The first phase started in 2011, consisting of a grant amounting JPY 2,454,000,000 (then 25 million USD approximately). The project rehabilitated 3 substations in the City of Kigali (Birembo, Jabana and Gikondo) and 2 substations in the Eastern Province (Rwinkwavu and Musha). It also upgraded the 17km distribution network in Huye District from 6.6kV to 30kV. This strongly contributed to the improvement of the quality of power supply to a big number of REG customers and reduction of power losses.

The second phase which kicked off in 2016 aimed at constructing Ndera substation as well as the Murindi and Kabuga power-switching stations, in Gasabo and

His Excellency the Ambassador of Japan said that he hopes that the grants provided will greatly contribute to stabilize power supply in Rwanda.

"In Rwanda, infrastructure development including the energy sector is one of the priority areas of Japan's development cooperation policy.[...] We are delighted by our long term cooperation with Rwanda to achieve its development targets in the energy sector" he said.

The Minister of Infrastructure, Dr. Ernest Nsabimana, said that much has been registered through this cooperation to achieve Rwanda's economic development goals.

"I would like to express the Government of Rwanda's gratitude towards the support given by the Government of Japan in the development of Rwanda's infrastructure sector and many other sectors. These 3 consecutive projects have not only enabled us to stabilize our network and ensure reliability of power supply, but it has also helped us to upgrade our existing networks to reduce technical power losses". The Minister noted.

In connection with the economic development targets, the Government of Rwanda through Rwanda Energy Group has embarked on a country-wide development

2 REG CELEBRATED THE INTERNATIONAL WOMEN'S DAY



On Thursday 09th of March 2023, women working at Rwanda Energy Group and its subsidiary companies, EDCL and EUCL, together with the Management celebrated the International Women's Day.

This celebration was themed "DigitALL, Innovation and Technology for Gender Equality".

Addressing participants that attended this celebration, the Minister of State in the Ministry of Infrastructure, Eng. Patricie Uwase shared her experience as a woman who is an engineer and is also in the high-level leadership of the country.

Hon. Patricie urged women to exploit opportunities that were put in place by Government of Rwanda to strive for positions of leadership across sectors.

"There is evidence that women are doing a good job, not because they are pushed, but because they are capable" she said.

The CEO of REG, Eng. Ron Weiss, said that women are greatly supporting the company's development despite many responsibilities they have at home.

"We really appreciate the efforts that you're always making to support the company" he said.

The CEO also called upon women at REG to join management positions as their number is still low at the management level. "There are many researches that are proving that if you have a significant number of women in management, the performance of the company is much better" he added.

Among REG targets for the current year, the CEO mentioned that REG will continue to increase the number of women employees to reach the companies target of 30% and even go beyond to reach 50%. As of today, 24% of employees at REG are women.

3 ANOTHER MILESTONE ACHIEVED - TWO MILLION HOUSEHOLDS HAVE ACCESS TO ELECTRICITY



late last year 2022, Rwanda celebrated the increase of the number of households having access to electricity, which has already reached 2,000,000. The celebration took place in Nyabugogo Cell, Kigali Sector, Nyarugenge District in November, 2022.

Electricity plays a vital role in accelerating economic development through improving health and standards of living. Energy and particularly access to electricity is Government’s key priority.

Therefore, significant investments have been made and progress registered led to the increase of households accessing to electricity with the Government target of Universal access by the year 2024. Access to electricity has increased from 2% in 2000 to around 74.5% today, including 50.9%

households connected to the national grid while 23.6% are using off-grid solutions including inter-alia standalone solar home systems and mini-grids.

From the years 1937 when REGIDESO was established in Rwanda and 1957 when the first ever power plant was built in Rwanda up to the years 2000, access to electricity in Rwanda was being considered as a rare privilege for those living in cities, with only 46,000 households connected. In 2009 a special program to roll out access to electricity especially in rural areas was introduced to increase the access rate in the Rwandan community. At that time, only 6% of Rwandan households had access to on-grid electricity. The program enabled to increase the number of connections to 492,641 five years later and to around 1,4 million today.

Despite the aggressive expansion of Rwanda’s electrical grid network, analysis has shown that grid connections will take time to reach all households. Therefore, off-grid solutions, including solar home systems (SHS) were introduced to increase access to electricity in areas located far from the grid and now present a viable alternative to grid connections. Today, more than 640 thousand households are connected through off grid solutions.

The current electrification plan leading Rwanda to universal access shows that by the year 2024, around 70% households will be connected to the grid while around 30% will be using off grid solutions.

“Though a lot has been achieved, we still have a long way to go to ensure 100% access. 25% to be connected in two years is still a big number, but we assure that this is achievable, and we’ll meet again in 2024 to celebrate this.” Said the CEO of REG during the celebration.

In his remarks, the Permanent Secretary of the Ministry of Infrastructure said that this is a big step towards the journey to achieve the country’s electrification targets.

“If we consider an average of 5 people per household, two million households mean that approximately 10 million Rwandans have electricity.” He added.

On the occasion of this celebration, a household located in Nyarugenge District, Kigali Sector, Nyabugogo Cell, was connected to the grid. The house belongs to the family of BIGENIMANA Richard. After connecting him, he was given a symbolic gift of a 100,000 Frws worth electricity token.

Some statistics of access to electricity as of September 2022

Current percentage of households with access to electricity	74.5%
Current percentage of on-grid connections	50.9%
Current percentage of off-grid connections	23.6%
Total number of REG customers	1,382,159
number of off-grid connections	641,697
number of households with access to electricity	2,023,856
Planned Access by 2024	100%

4 2021/2022: SOME OF THE ACHIEVEMENTS IN ENERGY DEVELOPMENT



Power Generation: In power generation, the total installed capacity increased from 238.37 MW to 276.07 MW. The additional capacity is from the commissioning of Hakan Peat and Rukarara V power plant with the installed capacity of 35 MW and 2.7 MW respectively. The highest annual peak demand was 178.71 MW observed in June 2022, compared to 164.4 MW observed in April 2021. The demand growth this Fiscal year is 8.7% while it was 8.8% in the previous fiscal year 2020/2021.

Power Transmission: By the end of June 2022, the total length of the transmission network, including 220kV and 110kV lines, was recorded at 973.14 km across the country. The 110kV transmission line Mukungwa-Nyabihu and related substation (Camp Belge, Mukungwa, Nyabihu and Rubavu) was completed and added 28.75 Km on the country's transmission network.

Power Distribution: The distribution network increased with a total length of 575.8 Km of medium voltage lines and 1,076.1 Km of low voltage lines, bringing the total distribution network from 27,217.9 to 8,985.8 Km, of which 10,520.1 Km of medium voltage and 18,465.7 Km of low voltage.

Access to electricity: During the fiscal year 2021/2022, a total of 127,742 customers were connected to the National grid of which the productive users were 463. In addition to this, a total of 116,713 households were connected through off grid solutions. Today, the rate of access to electricity countrywide has increased to 74.5%.

Clean Cooking development: During the fiscal year 2021/2022, a focus was also put on raising awareness among the citizens on the use of modern cooking technologies transitioning from traditional cooking fuels and 184,330 Improved Cook Stoves were disseminated.

IBYO UKWIRIYE KWITWARARIKA KU MASHANYARAZI MU NZU YAWE

Uko u Rwanda rugenda rukataza mu iterambere, ni nako amashanyarazi agezwa henshi no kuri benshi, haba mu mijyi ndetse no mu byaro. Ubu, ingo zisaga 68.2% zifite amashanyarazi, ndetse inyirindi muri zo zifite amashanyarazi afatiye ku muyoboro rusange.

N'ubwo amashanyarazi adufasha mu buzima bwa buri muni, ni ngombwa kwitondera imikoreshereze yayo, kuko iyo akoreshejwe nabi ashobora guteza impanuka zikomeye zirimo inkongi, kwangirika kw'ibikoresho twifashisha mu ngo ndetse no mu kazi, gukomereka ndetse n'ufupfu.

Ningombwawitondera ibikoresho twifashisha ashushyira amashanyarazi mu nzu (installation) birimo intsinga, amatara n'ibijyana nayo, aho bacomeka (prise/socket), ndetse ukanagenzura uburyo ashizwe mu nzu yawe, bikaba bikozwe n'umuhanga ubizobereye. Ni ngombwa kandi gukoresha ibikoresho bifite ubuziranenge ku buryo bidashyuhira ngo bibe byateza inkongi mugihe ntabwirinzi buhagije buhari.

Igihe ushaka gushyira amashanyarazi mu nzu (installation)

Ibikoresho byifashishwa mu gushyira amashanyarazi mu nzu biri ukwinshi ndetse biboneka henshi mu maduka acuruza ibikoresho by'ubwubatsi. Igihe ugiye kugura intsinga cyangwa ibindi bikoresho, ugomba kugenzura ko uguze ibyujije ubuziranenge ku buryo bitazashyuhira ngo bishye.

Intsinga zo mu nzu ziba zizengurutse n'igikoba cya pulasitike. Iyo urutsinga rutujuje ubuziranenge rurashyuhira, byakomeza cya gikoba kigashyuhira maze bigatuma intsinga zihura zigatanga ibishashi. icyo gihe aho zinyura hose umuriro utangira kwaka. Akenshi rero usanga intsinga zinyura hejuru, ibikigize bihita bifatwa maze abantu bakisanga inzu yose yafashwe.

Ikindi cy'ingenzi rero, igihe cyose ugiye gushyira amashanyarazi mu nzu yawe ugomba kwifashisha abatekiniziye b'inzobere bafite ubumenyi n'inararibonye, ku buryo uba wizeye neza ubuziranenge bw'ibyo bagukorerako. Ikigo cy'igihugu gishinzwe kugenzura inzego zimwe z'imirimu ifitiye igihugu akamaro (RURA) gisohora urutonde rw'abatekiniziye bafite impushya zerekana ko bafite ubumenyi n'ubuhanga bwo gushyira amashanyarazi mu nzu.

Igihe kandi usanzwe ufite amashanyarazi iwawe, ni byiza kugenzura ko nta rutsinga rwangiritse cyangwa se n'ibindi bikoresho byayo kugira ngo ubisimbure hakiri kare bitarateza impanuka.

Kwitwararika imikoreshereze y'amashanyarazi

Igihe ufite amashanyarazi iwawe ucomeka ibikoresho bitandukanye, ugomba kwitondera kugenzura ko ibyo ucomeka bimeze neza. Byaba ipasi, ishyamba ry'amashanyarazi (cuisiniere), radiyo, televiziyo, frigo n'ibindi bitandukanye, bigomba kuba bikora neza.

Ibikoresho by'amashanyarazi kandi bicomekwa gusa igihe birimo gukoreshwa, byaba bidakoreshwa bigacomokorwa. Nta mpamvu yo gusiga ipasi icometse kandi utarimo gutera imyenda, kuko ishobora gushyuhira igatwika ibyo iteretseho. Ni kimwe na radio na televiziyo, cyangwa sharijeri (charger) ya telefoni. icyo utarimo gukoresha cyose, ni ngombwa kugicomokora.

Ugomba kandi kwirinda gucomeka ibintu byinshi cyane ahantu hamwe. Ugasanga kuri purize (prise/socket) imwe ucometseho ipasi, radio, televiziyo, frigo n'ibindi byinshi. Ibi bishobora gutuma aho bicometse hashyuhira hakaba hagurumana.

Ni ngombwa cyane kurinda abana bato gukora aho bacomekera (muri prise/socket) cyangwa no gukinira ku ntsinga z'amashanyarazi. Igihe cyose ubonye umwana muto ashobora gucengeza ikintu aho bacomekera, ugomba kwihutira kumubuza cyangwa kumwigizayo. Cyane cyane abana bato bageze igihe cyo gukambakamba, ntibagomba gusigara bonyine mu nzu irimo amashanyarazi.

Ku bantu bakuru kandi nabo, ni byiza kwirinda ibi bikurukira:

- Gucomeka cyangwa gucomokora igikoresho ku mashanyarazi igihe intoki zawe zitose (zirimo amazi);
- Kwirinda gukora ku gikoresho gicometse ufashe ikintu gikoze mu cyuma
- Irinde kwegera ku maridiro n'ibitambaro ibikoresho bishyuhira nk'ipasi, "cuisiniere", "cafetière", n'ibindi.
- Irinde kwanika imyenda cyangwa ikindi kintu ku ntsinga z'amashanyarazi
- Irinde gukinira ku byuma bitwara amashanyarazi
- Igihe itara ryahiye cyangwa rishaje ugiye kurihindura, ni byiza kubanza kureba ko rijimije.
- Igihe utetse ku mashanyarazi, ugomba kuguma hafi y'iziko.
- Ugomba kumenya neza aho fizibule (fusibles/fuses) z'inzu yawe zihereye ndetse ugakuraho inambamyi yose yakubuza kuhagera vuba igihe habaye ikibazo.

Wabyitwaramute igihe ubonye uwafashwe amashanyarazi?

Ese wari uzi ibibaho iyo umuntu afashwe n'amashanyarazi? Kubera imiterere y'umubiri w'umuntu ugizwe ahanini n'amazi, byorohera amashanyarazi kumunyuramo. Ikindi kubera umuvuduko wayo ungana n'uw'urumuri, iyo amunyuzemo yangiza ibice byinshi by'umubiri bitewe n'ingano yayo.

Imitsi iragagara bityo uwafashwe ntabwo kuyikuraho, ibihaha bikifunga ntabwo guhumeka, umutima ugahagarara imitsi ikifunga, noneho hakaziraho n'ubushye ku mubiri ndetse no kwangirika kw'ibice byawo by'imbere. Bitewe n'ubukana bw'umuriro, uwafashwe aba afite ibyago byinshi byo kuhasiga ubuzima.

Igihe ubonye hari uwafashwe n'umuriro, ugomba kwirinda kumukoraho n'intoki kuko nawe wahita ufatwa. Ahubwo icyo wakora, niba icyatumye afatwa gicometse, wagicomokora cyangwa ugakupa umuriro kuri fizibule. Bitabaye ibyo, ihutire guhamagara REG kuri 2727 cyangwa ishami rya Polisi Ishami rya Polisi y'u Rwanda rishinzwe ubutabazi no kurwanya inkongi z'umuriro kuri 111.



6 BASKETBALL SPORT: REG BBC QUALIFIED IN BAL FINALS IN KIGALI

Rwanda Energy Group Basketball Club (REG BBC), finishes the 2023 BAL Sahara Conference in third position while the reigning champions US Monastir are out after losing their final game to AS Douanes 76-60. Stade Malien was crowned champions.

Rwanda Energy Group Basketball Club (REG BBC) which was representing Rwanda in the 2023 Basketball Africa League (BAL) Sahara Conference games finished third after beating 64-48 Kwara Falcons of Nigeria, ABC Fighters of Ivory Coast and AS Douanes of Mali.

In Sahara Conference REG BBC lost to Stade Malien of Mali 84-64 and US Monastir of Tunisia 79-84.

REG finished in this position with eight points in the Sahara Conference and was already qualified to participate in BAL Finals slated in Kigali, Rwanda in May 2023.

Eight teams from Sahara and Nile Conferences will compete in a single-elimination Playoffs and Final with the winner crowned the third BAL champion.

The 2023 playoffs will be played in Kigali's BK Arena from May 21-27.



www.reg.rw