



AFRICA HOUSE

Insight & Access. Projects & Trade.

Notes from Africa

Issue 309, February 2021

©Copyright AFRICA HOUSE

Africa House is a research & consulting company based in Johannesburg, South Africa. Working exclusively in sub-Saharan Africa, we offer insight and access into the African trade and project environment through the provision of intelligence on projects and bespoke research on opportunities in markets.



Our Services:

Africa House provides:

Insights: What is driving the continent and targeting regions of high opportunity going forward.

Access: To the world's fastest growing markets through a team that has worked in 30 countries across the continent over a period spanning 30 years

Projects: On-going research and intelligence on greenfield and brownfield projects to a dedicated subscriber base

Trade: Market and partner identification, export strategy development and commercial feasibility

FACT OF THE MONTH

According to the *African Development Bank (AfDB)*, Africa's **ANNUAL INFRASTRUCTURE FINANCING GAP** is between US\$ 64 billion and US\$ 108 billion.

The Conflict in Ethiopia Some Major Implications for the Economy

Ethiopia is the second largest market in sub-Saharan Africa with an estimated population of 115 million people. In the early 2000's, it maintained an impressive growth rate of over 10% and saw major development but the *International Monetary Fund (IMF)* recently dropped its GDP growth forecast for the country from just over 6% to only 1.9%. Other agencies have predicted higher but no longer two-figure growth rates.

For the past few months, Ethiopian federal troops have been deployed in the northern region of Tigray and there have been reported troop losses as well as a major stream of refugees into neighbouring Sudan. The conflict ostensibly started with the decision of the *Tigrayan Peoples Liberation Front (TPLF)* to hold regional elections when the federal government had suspended all elections due to the Covid epidemic.

However, the underlying basic problem is the fracturing of Ethiopian society along deep ethnic lines. Prime Minister *Abiy Ahmed* came to power in 2018 with his party, the *Prosperity Party* with a strong call for a united nation. He was awarded the Nobel Peace Prize for implementation of the rapprochement with Eritrea. Many Ethiopians believe that a united Ethiopia will fare better economically than a divided entity. But substantial numbers from the major ethnic groups fear erosion and even loss of autonomy granted by under the 1995 constitution.

Thus elements among the Oromians as the largest ethnic grouping are calling for stronger self-rule. The second biggest grouping, the Amharas have the *National Movement of Amhara* also demanding greater self-rule. They are described by some as the "fallen nation" which lost much of its central governmental power. Although the Tigrayans are only 6 million, since 1995, they have had a disproportionately strong role in the central government and consider themselves the major liberators from the previous dictatorial regime and the architects of the 1995 federal constitution which split the country into nine ethnic regions with semi-autonomy.

But what are some of the major implications of the conflict for the Ethiopian economy and those wishing to invest and do business in the country?

As mentioned above, there will be a major drop in GDP growth. Economists also believe that the current inflation rate of around 17% will not be alleviated.

A big implication will be a drop in foreign direct investment (FDI). Large investor companies are increasingly conscious of governance issues relating to the social environments in which they operate and there have been allegations of conflict-related human rights abuses. A fall in FDI will impact negatively on foreign currency availability.

The major western donors and development finance institutions are sensitive to deteriorating social conditions and the status of law and order in the country. The *European Union (EU)* is reportedly considering the suspension of US\$ 109 million in aid because of the refusal by the Ethiopian authorities to approve access to the Tigrayan region for humanitarian aid.

Delays in the deployment of the Grand Renaissance Dam are also forecast. The United States has cut aid of US\$ 100 million to Ethiopia ostensibly due to international disagreements over the project.

The business operating environment has become more difficult not only due to Covid restrictions. The federal government has intermittently cut communications and banks have been limited and periodically closed. This will further dampen investor appetite.

An important and more immediate issue is the likely slowing of the liberalisation/privatisation process. There has been much excitement among international investors in the liberalisation of the mobile telecommunications sector. The *Ethiopian Communications Authority (ECA)* was scheduled to approve two additional mobile telecommunications licenses but this is likely to be delayed as will other liberalisation initiatives.

A mitigating factor against this largely negative scenario is the simple fact that the Ethiopian economy is very much based on its largely centralised heart – Addis Ababa. Businesses are concentrated in this city and most of them will be less directly affected by the regional dynamics. The Djibouti corridor is vital and to date, it does not appear to be substantially impacted.

It should also be borne in mind that despite likely delays, there are numerous major infrastructure projects ripe for implementation in Ethiopia. These include the new mega airport outside Addis Ababa and a number of large water supply projects. There is also a considerable number of renewable energy initiatives. International consulting firms are being requested to assist with unlocking the country's important sugar sector.

Despite its current challenges, Ethiopia remains too large and important to ignore.

Editor's Note: Africa House added over 100 projects in Ethiopia in 2020 to its Projects Platform bringing the total number to 227 projects.



QUOTABLE QUOTE

"We've seen the world being quite reliant on China and when China closed down, supply chains were messed up. So there's got to be a big shift going forward with companies looking at their supply chains and deciding how to play the globalisation game."

(Sipho Makhubela, Chief Executive Officer at the private equity fund management firm, Harith General Partners which has taken a stake in the project for the modernisation of the Beitbridge border post.)

"Trade agreements only have value when people know how to use them."

(Donald MacKay, XA International Trade Advisers on the African Continental Free Trade Area, AfCFTA).

"Zimbabwe may be poor and corrupt but trade doesn't stop. Our trucks are never empty."

(Truck driver transporting goods between Johannesburg and Harare.)

SPECIAL NOTE

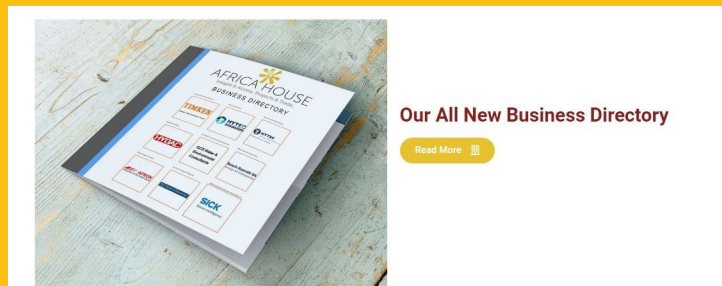
We are excited to announce that our **Business Directory** is up and running on our website: www.africainfo.co.za

The directory will only be accessible to other Africa House subscribers via the Subscriber Zone and allows you to search for companies across sectors and to connect via mail.

We are actively targeting subscribers in Africa outside of South Africa and in selected European and Asian countries and our long-term vision is that this subscriber directory will allow companies to identify business partners across the continent.

If your company is listed and you have an update, please email Nicole with your changes.

If you missed our earlier mail and would like to be listed in the Africa House Subscriber Directory, please e-mail Nicole and she will send you the form to complete - nicole@africainfo.co.za



NEW SUBSCRIBERS



SPINA

Just solutions

[Spina Group](#) is an ISO certified 30 years-experienced company in manufacturing and supplying custom electrical material, such as cables, cable trays and explosion proof material for plants and shipbuilding/revamping across Europe, the Middle East, Asia and Africa regions and South America.

Established in 1990, Spina is headquartered in Milan – Italy, *Spina* also has subsidiary offices setup in Rotterdam (the Netherlands), Dubai, Ciudad de Mexico and Mozambique (Africa) and representative agencies in many other countries to provide our clients with local support and services.

Spina is a system integrator able to provide its customers with the best solutions possible for their project. Thanks to its know-how, Spina handles every step of the process, from feasibility studies and cost estimation and negotiation with sub-suppliers to inspection and testing of the material supplied and customized logistics and post-order service.



UNIQUE WELDING

Integrated gas & welding solutions provider

[Unique Welding](#) is the largest independent, black-owned gas and welding equipment distributor in South Africa, with 14 branches and an extensive network of independent distributors country-wide.

As a fully integrated gas and welding solutions provider, *Unique Welding* is transforming the South African gas and welding industry with our expertise, innovation and personal specialised services.

We focus on providing high quality products and customised solutions, coupled with comprehensive pre- and post-service to our clients - saving them time and money whilst creating efficient gas and welding solutions for their businesses. We excel in service delivery, customer-focused interaction and providing the highest quality technical solutions offering sustainable value.

HIGHLIGHTS FROM THIS EDITION

- Supply Requirements for the Northern Mozambique Humanitarian Response Plan
- Development of a Standard Gauge Rail System in Uganda
- Tender for Prequalification for Ruzizi III Hydro Power Plant, Rwanda, DR Congo, Burundi
- Contractor Appointed for Temane Gas Power Plant, Mozambique
- Funding Secured for Further Development of Haib Copper Project, Namibia
- New Natural Gas Processing Plant for Angola
- Space-Based Mobile Telecommunications Service for Africa
- Requests for Proposals for Integrated Water Resources Management Programme for Orange-Senqu River Basin, Southern Africa
- Integrated Rice Production Project, Senegal
- New Roofing Materials Factory, Kisumu, Kenya
- Development of Mahogany Shopping Promenade, Mauritius
- *Cape Biologix* Technology Manufacturing Facility, Mauritius
- New Developments Relating to Kudu Gas Project, Namibia
- Centurion Lake Clean-Up Project, South Africa
- Hotel and Conference Centre for Middelburg, Mpumalanga, South Africa
- Update on Greater Masaka Agro-Processing Industrial Park, Uganda
- Funding Secured for National Power Transmission Network Rehabilitation Programme, Nigeria

PROJECTS

Africa House subscribers should note that the projects listed below in this publication are a selection from our Project Database. Templates on many more projects can be found on the

Ventures Onsite Project Platform.

<https://africahouse.venturesonsite.com/login>

*Africa House subscribers are welcome to contact **Keagan** on Johannesburg 27 11 7285878 or e-mail: keagan@africainfo.co.za for templates/further details/contacts pertaining to specific projects listed below.*

Projects & Opportunities



Background photo created by freepik - www.freepik.com

PROJECT OF THE MONTH

The *United Nations Central Emergency Response Fund (CERF)* is a major agency acting as a coordinator for the [NORTHERN MOZAMBIQUE NEW HUMANITARIAN RESPONSE PLAN](#). Numerous agencies are involved in the Plan including the United Nations High Commissioner for Refugees (UNHCR), the *United Nations Childrens Fund (UNICEF)*, the *United Nations World Food Programme (WFP)*, the *United Nations Office for the Coordination of Humanitarian Affairs (OCHA)* and *USAID*. Japan has also recently approved emergency grant aid of US\$ 4,2 million. In 2021, the UN agencies allocated US\$ 244 million to assist. It is estimated that over 500 000 people mainly in Cabo Delgado Province but also in the provinces of Niassa, Nampula and Zambezia have been displaced by the insurgency. Agencies refer to 1,1 million inhabitants who are in need of humanitarian aid. The recent Cyclone Eloise will have exacerbated conditions. Food and shelter are overarching needs but a wide range of goods and services are required. The *UNHCR* refers to hygiene and shelter hygiene kits including items such as tarpaulins, kitchen sets, jerry cans, buckets, sleeping mats. *UNICEF* refers inter alia to vitamin A supplements, measles and cholera vaccines and water treatment chemicals. The *WFP* is concerned with transport of food but also key personnel. There are also references to road and building repairs and water drainage.

Editor's Note: Africa House is monitoring the Humanitarian Response Plan for identification of goods and services that its clients may be able to supply.

AGRICULTURE



NAMIBIA

The Ministry of Agriculture, Water and Land Reform is developing a formal settlement for some 16 000 farm workers employed in the [AUSSENKEHR TABLE GRAPE DEVELOPMENT](#) in southern Namibia near the border with South Africa. *Namwater* recently commissioned a water treatment plant and *Nampower* has connected the area to the national grid. Already established is a school, a clinic and a shopping centre. The *Namibia Grape Growers and Exporters Association* is installing ten safe water points. The Aussenkehr Development draws water from the Orange River. The farms in the area include the *Namibia Grape Company*, *Solar Grapes*, *Silverlands Vineyards* and *Frontier Grapes*. The project produces around 33 million kilograms per annum and most of the production is for export.

SIERRA LEONE

The *Sierra Fishing Company* has opened the country's first [FISH PROCESSING PLANT](#) in the eastern outskirts of Freetown. The cost of the project was US\$ 15 million and funding was from the *European Union (EU)*. The plant includes cold rooms and packaging machinery. Production will be for the local and export markets.

SENEGAL

The Ministry of Economy, Planning and Cooperation has signed an agreement with the Japanese Ministry of Foreign Affairs and the *Japan International Cooperation Agency (JICA)* for funding of 37 billion CFA or about US\$ 68,6 million towards the [PROJECT FOR IRRIGATED RICE PRODUCTION IN THE SENEGAL RIVER VALLEY](#). The area has 240 000 hectares of hydro-agricultural potential. It currently produces about half of the national rice requirement but Senegal is still importing about 1,2 million tons of rice per annum. The project includes the renovation of irrigation channels. The project falls under the Plan Sénégal Emergent (PSE) programme. Japan is considerably involved in rice production projects in Africa for example in Mozambique.

UGANDA

Development of the [GREATER MASAKA AGRO-PROCESSING INDUSTRIAL AND BUSINESS PARK](#) in southern Uganda has been delayed due to land-ownership issues. It was officially launched in 2015. The project plans include fish, coffee and fruit processing plants, a glass manufacturing facility as well as a school and clinic. The project is being coordinated by the *China Africa Friendship Association Uganda* and the appointed contractor is the *China Construction and Communication Company*. Uganda's National Industrial and Business Parks Programme began in 2009 and was initially set for completion in 2021.

HEALTH



KENYA

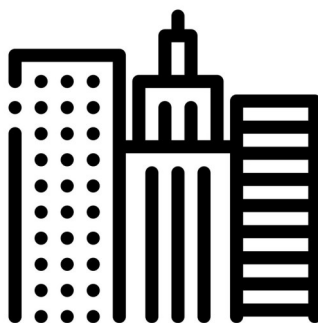
The **TIBU MEDICAL MOBILE APP** was launched last year in Kenya. It was funded through venture capital. It provides home-based medical care through usage of the mobile app and the dispatch of care givers equipped with health kits to homes. The health kits include blood pressure gauges, disease test kits and diabetes medications. The service is aimed at mainly middle class with consultations costing around 1 000 Kenyan Shillings or about US\$ 10.

MAURITIUS

Cape Bio Pharms which is linked to the University of Cape Town's *Biopharming Research Unit (BRU)* will be establishing the [CAPE BIOLOGIX TECHNOLOGIES MANUFACTURING FACILITY](#) in Mauritius. The plant will produce Covid-19 proteins and antibodies using plants as bioreactors. The initiative has received a grant of about US\$ 58 million from the *European Investment Bank (EIB)* and an NGO, the *Foundation for Innovative New Diagnostics (FIND)*. The facility will produce affordable plant-based diagnostic Covid-19 test kits for distribution throughout the African region.



HOTELS/COMMERCIAL & INDUSTRIAL PROPERTY



ETHIOPIA

There are calls from the community for the renovation of the [EDNA SHOPPING MALL](#) in Bole, Addis Ababa. The mall is located on a 200 square metre stand and has seven floors. Features include cinemas, a games centre and restaurants. It began operations in 2008.

KENYA

The Kenyan roofing materials manufacturer, *Rhino Mabati Factory Limited* is reportedly planning the establishment of a new [ROOFING MATERIALS FACTORY](#) in Kisumu, western Kenya. The company has just completed a factory at Makutano on the Mauau-Meru highway in eastern Kenya. It will produce 700 000 metres of profiles per month. The investment in the Makutano plant was 50 million Kenyan Shillings or about US\$ 456 000.

MAURITIUS

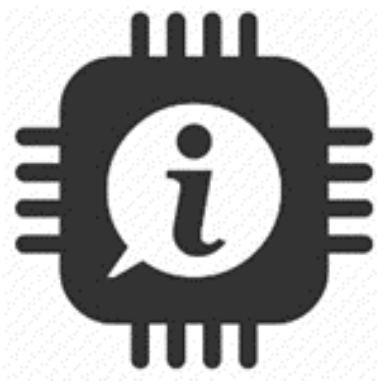
The *Novaterra Group* has announced that the [MOHOGANY SHOPPING PROMENADE](#) will be opened by mid-2021. The new commercial centre is being developed on a 12 000 square metre site within the Beau Plan Smart City and Business Park. It will include 52 stores, a food court, a supermarket and a bank branch. The development is a few kilometres from Grand Baie. The investment was 800 million Mauritian Rupees or about US\$ 20,3 million.

SOUTH AFRICA

The South African real estate developer, *Akani Properties* has won a bid for the development of an [HOTEL AND CONFERENCE CENTRE](#) in Middelburg, Mpumalanga Province. The hotel will have 150 rooms and the conference centre will have seating for 1 000. A restaurant and gym will also be built. An international hotel management company will be appointed. The stated cost is R350 million or about US\$ 23 million. Middelburg is a mining and agricultural centre and the project falls under a municipal development plan.



ICT / TELECOMMUNICATIONS



REGIONAL

AST & Science is partnering with the *Vodafone Group* for the launch of the first phase of the [SPACE-BASED MOBILE TELECOMMUNICATIONS SERVICE, SPACEMOBILE](#) in 2023. Funding has been secured for the service which will cover most of Africa through the use of 20 satellites. It will connect to 4G and 5G smart phones. *Vodafone* will integrate the new technology with the *Vodacom*, *Safaricom* and *Vodafone* services. The advantages of *Spacemobile* are sustained connection and replacement of expensive satellite phones.

The **NEW DIGITAL PLATFORM** for the *Leather Industry Network (LIN)* of East Africa has been launched. It is an initiative of the Nairobi-based *Centre for Business Innovation and Training (CBiT)* and a grouping of national leather industry associations in East Africa. It falls under the *East African Community Strategy and Implementation Roadmap for Leather*. The platform will facilitate interaction between industry role players, monitor trends, build capacities, identify competencies, promote standards and the industry. It will help combat fake leather imports.

NAMIBIA

The national telecommunications operator, *Telecom Namibia* is undertaking a major **MOBILE TELECOMMUNICATIONS NETWORK REINFORCEMENT PROGRAMME**. Some stations will be upgraded from 2G to 3G and the number of 4G stations will be increased. The longer-term objective is to bring the network to 5G status. The *Communications Regulatory Authority of Namibia (CRAN)* has published statistics that indicate that *Telecom Namibia* needs to improve customer satisfaction levels.



MINING



CONGO (DEMOCRATIC REPUBLIC)

AVZ Minerals of Australia has concluded a five-year agreement with China's largest lithium composites producer, *Ganfeng* for the supply of production from the [MANONO LITHIUM PROJECT](#) located in Tanganyika Province, south-eastern DR Congo. AVZ recently completed a feasibility study. Expected production is 700 000 tons per annum. The investment required is estimated at US\$ 545 million. The mining rights are held by AVZ with *La Congolaise d'Exploitation Minière* and *Dathomir Mining Resources*.

The US-Senegalese music star, *Akon* (*Aliaune Thiam*) is reportedly investing US\$ 2 million in a feasibility study on the [KIMONO COPPER AND COBALT RESOURCE](#) in Haute Katanga Province. He is Chief Executive Officer of a US-registered private equity firm, *White Waterfall LLC* that will reportedly be entering the project in joint venture partnership with the state mining company, *Société de Développement Industriel et Minière* (*Sodimico*).

COTE D'IVOIRE

Roxgold of Canada has commenced initial works at its recently approved [SEQUELA GOLD PROJECT](#) in north-western Côte d'Ivoire. Work has begun on an access road and the development of a village for worker accommodation. The front-end engineering of the processing plant is also underway. First production is scheduled for 2022.

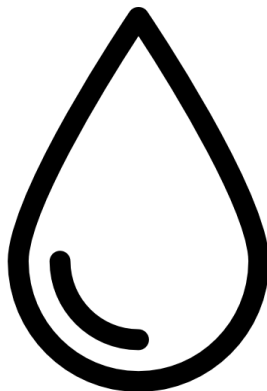
NAMIBIA

Deep-South Resources of Canada has raised capital for further development, exploration and a drilling programme at the [HAIB COPPER PROJECT](#) in the Karas region of southern Namibia. The company will be applying new technology for the low grade resource. The cost of the development is about US\$ 340 million. The resource is estimated at 457 million tons. A 12-kilometre access road will be upgraded.



Photo created by wirestock - www.freepik.com

OIL & GAS



ANGOLA

The *ENI Angola-Sonangol* consortium will commence construction of a new [NATURAL GAS PROCESSING PLANT](#) in mid-2021. The plant will be situated on a 100 hectare site on the outskirts of Soyo, Zaire Province. It will have a capacity of 400 million cubic feet per day. The duration of the project will be three years. The gas will be drawn from the Maboqueiro and Quilima fields which the consortium is operating.

GHANA

The *Tema LNG Terminal Company (TLTC)* has recently delivered a [FLOATING REGASIFICATION UNIT \(FRU\)](#) to Tema port. The investors in the *TLTC* are *Helios Investment Partners* and *Africa Infrastructure Investment Managers*. The *China State Shipbuilding Corporation* is the contractor for the development of a terminal to receive, store and regasify LNG. It will produce 1,7 million tons of LNG per annum for distribution to various industrial customers.

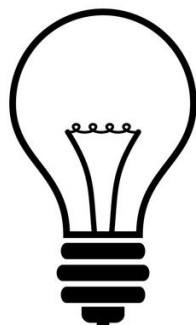
NAMIBIA

The Canadian oil and gas junior, *ReconAfrica* has commenced its three-well [KAVANGO BASIN DRILLING PROGRAMME](#) in north-eastern Namibia. The sites are located south of Rundu. *Risk-Based Solutions (RBS)* are the environmental consultants. The *National Petroleum Corporation of Namibia (Namcor)* has a small stake in the venture. There have been objections from environmental groups expressing concern especially regarding water supply in the region. However, the Namibian Ministry of Mines and Energy has designated the project as an “essential service”.



photo created by wirestock - www.freepik.com

POWER



REGIONAL

The *Ruzizi III* consortium has launched a tender for prequalification by contractors for the engineering, procurement and supply (EPS) for the 147 MW [RUZIZI III HYDRO POWER PLANT](#) situated on the Ruzizi River on the borders of Rwanda, the DR Congo and Burundi. The river runs between Lake Kivu and Lake Tanganyika. The project includes an embankment dam, a tunnel, a power station with switchyard, access roads and a three kilometre 220 kV transmission line from the plant to the Kamanyola substation. The consortium comprises *SN Power* of Norway and *Industrial Power Service (IPS)* of the *Aga Khan Fund (AKFED)*. It has concluded a 25-year power-purchase agreement (PA) with the three governments. A good number of donors are involved including the *World Bank*, the *African Development Bank (AfDB)*, the *European Investment Bank (EIB)*, *Agence Francaise de Développement (AFD)* and *KfW* of Germany.

MOZAMBIQUE

TSK of Spain has been appointed as the contractor for the 128 MW [TEMANE GAS POWER PLANT](#) in Inhambane Province, central Mozambique. The national power utility, *Electricidade de Mocambique (EDM)* has received funding of US\$ 250 million for the project from the *United States International Development Finance Corporation* and *OPEC*. Completion is scheduled for the end of 2021. The plant will be fed from the Pande and Temane gas fields run by *Globeleq* and *Sasol*. A Power Purchase Agreement (PPA) has been secured whereby the plant will supply the national grid for 25 years.

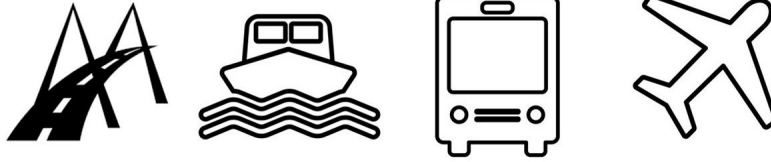
NIGERIA

The Federal Ministry of Power, Works and Housing has indicated that funding of US\$ 1,6 billion has been secured for the [NATIONAL POWER TRANSMISSION NETWORK REHABILITATION AND EXTENSION PROGRAMME](#). The implementing agency is the *Transmission Company of Nigeria (TCN)*. The country is distributing 8 000 MW from an installed capacity of 13 000 MW while the national demand is estimated at 40 000 MW.

SOUTH AFRICA

Pan African Resources has appointed *juwi Renewable Energies South Africa* as the EPC contractor for the construction of the 9,975 MW [EVANDER MINES SOLAR PV POWER PLANT](#) in Mpumalanga Province. The plant will supply 30% of the power required for the company's Elikhulu tailings operation. Construction is expected to commence in early 2021. The cost is estimated at R140 million or about US\$ 9,6 million.

TRANSPORT



REGIONAL

There are reports that Uganda is being compelled to 'go it alone' with the development of its [STANDARD GAUGE RAILWAY SYSTEM](#). The sticking point is the delays by Kenya to extend its SGR line to the border at Malaba. Uganda is reportedly liaising with the *China Exim Bank* to raise the US\$ 2,3 billion required for its own SGR network which will link the country to Kenya, Rwanda and other neighbouring countries. In the interim, the *Uganda Railways Corporation (URC)* is seeking US\$ 976 million for the rehabilitation of the old Kampala-Malaba metre gauge line. It has also obtained a US\$ 57 million loan from the *European Union (EU)* for the Tororo-Gulu line linking the country with South Sudan. A transport facility is being developed at Majanji on Lake Victoria as an alternative link with Kenya.

KENYA

Renovation of the [JOMO KENYATTA INTERNATIONAL AIRPORT \(JKIA\)](#) has begun. The *Kenya Airports Authority (KAA)* has closed terminals 1B and 1C while the renovations are underway. The cost is estimated at nearly US\$ 9 million. The emphasis will be on security screening and refurbishment of the departure halls. The Greenfield Terminal as well as the second runway project have been postponed.

SOUTH AFRICA

[Progress on the OLD DURBAN AIRPORT PROJECT](#) appears to be limited. The airport was closed in 2010 when the new *King Shaka Airport* in Umhlanga replaced it. *Transnet* initially bought the property for R1,8 billion and then subsequently entered into a ten-year lease with the airport management company, *Seaworld Aviation* with the latter hoping to establish a 'Lanseria-type' airport for smaller aircraft and airlines. There is currently a legal dispute between the two parties. The complex has since reportedly been overrun with tenants some of whom are allegedly operating illegally at the site. Some observers report that the cost of restoring the property to optimal condition would be around R330 million or around US\$ 22 million. The old airport is strategically located in the Durban South industrial area which includes a refinery and motor assemblies. It would be an integral part of the Durban Dug-Out Port project which has been placed on hold. One proposal for the site is the construction of a wind-powered generation plant.

DHL Global Forwarding is developing a new [LOGISTICS WAREHOUSING AND DISTRIBUTION FACILITY](#) at *Skyparks Business Estate* near OR Tambo International Airport. The investment is stated as R127 million or about US\$ 8,4 million. The project includes a 10 000 square metre cargo consolidation warehouse as well as a cold chain facility.



WATER & SANITATION



REGIONAL

The *Orange –Senqu River Commission (Orasecom)* has issued four requests for proposals for its Integrated Water Resources Management Implementation Programme for the one million square kilometre [ORANGE-SENOU RIVER BASIN](#) involving Lesotho, South Africa, Namibia and Botswana. The Programme falls with the *Orasecom* Strategic Action Plan. The successful consultants will be required inter alia verify water supply, address pollution and land degradation, undertake groundwater assessments and analyse borehole and water samples. Funding is from the *Global Environment Fund (GEF)* through the *United Nations Development Programme (UNDP)*. The objective is to improve management capacity for the trans-frontier resource.

KENYA

The *Lake Victoria South Water Works Development Agency* has begun implementation of the [BOMET, LONGISA AND MULOT WATER SUPPLY AND SANITATION PROJECT](#) north-west of Nairobi. Funding of 1,4 billion Kenyan Shillings or about US\$ 12,8 million is from the *African Development Bank (AfDB)*. There is a problem of water scarcity in the region.

SOUTH AFRICA

A tender has been approved by the Tshwane municipality for the [CENTURION LAKE CLEAN UP PROJECT](#) in Midrand, South Africa. The project entails the desilting of the lake area through the development of two open channels to improve water flow. Litter traps will be installed. Sand build up in the lake will be mitigated by the rehabilitation of the Hennops River banks. The duration of the project is two years. The value of the tender is R60 million (approximately US\$ 4,1 million).



CONTACTS

AFRICAN CONTACTS



Andrew Muriungi is Managing Director of the Kenyan roofing manufacturing company, **RHINO MABATI FACTORY LIMITED**, telephone Nairobi 254 722638383, e-mail: info@royalmabati.com Website: www.royalmabati.co.ke

The company is planning the construction of a new roofing materials factory in Kisumu, Kenya.

Richard Doyle is Managing Director at **juwi RENEWABLE ENERGIES**, telephone Cape Town 27 21 8316100, Website: www.juwi.co.za

The company has been appointed by *Pan African Resources* as the EPC contractor for the construction of a solar power plant at its Evander mines in Mpumalanga Province, South Africa.

Clement Blanc is the Managing Director at **DHL GLOBAL FORWARDING**, telephone Johannesburg 27 11 9227000, Website: www.dhl.com

DHL is developing a new logistics centre near OR Tambo International Airport.

AFRICAN UTILITY CONTACTS



Phillip Nel is the operations member of the **TSHWANE MAYORAL COMMITTEE**, telephone Pretoria 27 12 3588721 or 3584903, e-mail: phillipn@tshwane.gov.za Website: www.tshwane.gov.za

The Tshwane municipality is undertaking the Centurion Lake Clean Up Project in Midrand, South Africa.

Perez Wamburu is the Standard Gauge Railway Project Coordinator for the **UGANDA RAILWAYS CORPORATION (URC)**, telephone Kampala 256 312 219100, e-mail: info@urc.go.ug Website: <https://urc.go.ug>

Uganda is seeking finance for its railway systems including its SGR network.

Alex Gitari is the Acting Chief Executive Officer at the **KENYA AIRPORTS AUTHORITY (KAA)**, telephone Nairobi 254 20 6822111 or 6612000, e-mail: talk2us@kaa.go.ke Website: www.kaa.go.ke

KAA is renovating terminals at the *Jomo Kenyatta International Airport*.

AFRICAN REGIONAL ORGANISATIONS



[Michael Ramaano](#) is Manager: Environment and Water Resource Quality at the **ORANGE-SENQU RIVER COMMISSION (ORASECOM)**, telephone Centurion 27 12 6636826, e-mail: lenka.thamae@orasecom.org Website: www.orasecom.org

Orasecom has issued requests for proposals relating to the management of the Orange-Senqu river basin involving South Africa, Lesotho, Namibia and Botswana.

[Charles Kahutu](#) is Chief Executive Officer and Regional Coordinator at the **EAST AFRICAN CHAMBER OF COMMERCE, AGRICULTURE AND INDUSTRY (EACCIA)**, telephone Nairobi 254 20 6000823 or 707509200, e-mail: info@eastafricanchamber.org Website: www.eastafricanchamber.org

The EACCI promotes business and investment in the East African region and represents the various chambers in the region. It has another office in Arusha, Tanzania.

AFRICAN GOVERNMENT CONTACTS



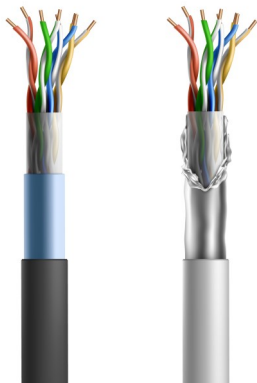
[Faruk Yusuf Yabo](#) is Director: Renewable Energy and Rural Electrification at the **NIGERIAN FEDERAL MINISTRY OF POWER, WORKS AND HOUSING**, telephone Abuja 234 9 5237064, e-mail: fyyabo@yahoo.com Website: www.power.gov.ng

Nigeria has secured funding for its National Power Transmission Network Expansion Programme.

[Andrew Tuimur](#) is Chief Administrative Secretary at the **KENYAN MINISTRY OF WATER, SANITATION AND IRRIGATION**, telephone Nairobi 254 20 2716103, e-mail: ps@water.go.ke Website: www.water.go.ke

The ministry is supporting the Bomet, Longisa and Mulot Water and Sanitation Project in Kenya.

ICT/TELECOMMUNICATIONS CONTACTS



[Abel Avellan](#) is Chief Executive Officer at **AST & SCIENCE**, telephone 1 432 2763966, Website: <https://ast-science.com>

AST & Science is partnering with the *Vodafone Group* for the launch in 2023 of the *AST Spacemobile* service to improve mobile telecommunications in Africa.

[Stanley Shanapinda](#) is the new Director General at the Namibian national telecommunications operator, **TELECOM NAMIBIA**, telephone Windhoek 264 61 2019211, Website: www.telecom.na

Telecom Namibia is undertaking a major network reinforcement programme.

[Beatrice Mwasi](#) is Team Leader: Leather Industry at the **CENTRE FOR BUSINESS INNOVATION AND TRAINING (CBIT)** and also Secretary General of the *Leather Apex Society of Kenya*, telephone Nairobi 254 20 7869993 or 700000757, e-mail: cbit@cbit.co.ke Website: www.cbit.co.ke

CBIT is involved in the development of a new digital platform for the leather industries of East Africa.

MINING CONTACTS



Paul Weelon is Vice-President: Exploration at **ROXGOLD**, telephone Toronto 1 416 2036401, e-mail: info@roxgold.com Website: www.roxgold.com

Roxgold is developing the Séguéla gold project in Côte d'Ivoire.

Nigel Ferguson is Managing Director at **AVZ MINERALS**, telephone Perth 61 8 61179397, e-mail: admin@avzminerals.com.au Website: <https://avzminerals.com.au>

AVZ is developing the Manono lithium project in the DR Congo.

Vivian Stuart-Williams is Vice-President: Exploration at **DEEP-SOUTH RESOURCES**, telephone Windhoek 264 61 4358267, e-mail: info@deepsouthresources.com Website: www.deepsouthresources.com

The company is developing the Haib Copper Project in Namibia.

OIL & GAS CONTACTS



David Cook is Director: Operations and *Andrea Palma* is a Director at **ENI ANGOLA**, telephone Luanda 244 222 391894, Website: www.eni.com

ENI Angola and *Sonangol* will be developing a new natural gas processing plant near Soyo, Angola.

Edmund Agyeman-Duah is a Project Manager at the **TEMA LNG TERMINAL COMPANY (TLTC)**, telephone Lagos 234 1 2802330, Website: www.heliosinvestment.com

TLTC has brought a Floating Regasification Unit (FRU) into Tema port in Ghana for LNG distribution.

Dr Ansgar Wanke is a Geologist with **ReconAfrica**, e-mail: admin@reconafrika.com Website: <https://reconafrika.com>

The company has recently commenced its drilling programme in the Kavango Basin, Namibia.

Immanuel Mulunga is Managing Director at the **NATIONAL PETROLEUM CORPORATION OF NAMIBIA**, telephone Windhoek 264 61 2045000 or 2045061, e-mail: Diana@namcor.com.na Website: www.namcor.com.na

Namcor and *BW Energy* are planning the development of the offshore Kudu gas project.

AGRICULTURE/AGRI-BUSINESS CONTACTS



Charles Kahutu is Chief Executive Officer and Regional Coordinator at the **EAST AFRICAN CHAMBER OF COMMERCE, AGRICULTURE AND INDUSTRY (EACCIA)**, telephone Nairobi 254 20 6000823 or 707509200, e-mail: info@eastafricanchamber.org Website: www.eastafricanchamber.org

The EACCI promotes business and investment in the East African region and represents the various chambers in the region. It has another office in Arusha, Tanzania.

Gideon Ishuna Nuunyango is Managing Director at the **NAMIBIA GRAPE COMPANY**, telephone 264 63 297382, e-mail: ronelled@namgrape.cpm.na Website: www.capespan.com

The company is one of several table grape producers operating the Aussenkehr Agricultural Development in southern Namibia.

David Bulonge is Vice Chairman of the **CHINA AFRICA FRIENDSHIP ASSOCIATION UGANDA**, telephone Kampala 256 700629050, e-mail: info@acpfa.org, Website: www.acpfa.org

The Association is developing the Greater Masaka Agro-Processing Industrial and Business Park in Uganda.

Andrew Tuimur is Chief Administrative Secretary at the **KENYAN MINISTRY OF WATER, SANITATION AND IRRIGATION**, telephone Nairobi 254 20 2716103, e-mail: ps@water.go.ke Website: www.water.go.ke

The ministry is supporting the Bomet, Longisa and Mulot Water and Sanitation Project in Kenya.

Motonori Tomitaka is a Senior Adviser: Irrigated Rice Cultivation at the **JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)**, Website: www.jica.go.jp

JICA has contributed funds for the Project for Irrigated Rice Production in the Senegal River Valley.

Beatrice Mwasi is Team Leader: Leather Industry at the **CENTRE FOR BUSINESS INNOVATION AND TRAINING (CBiT)** and also Secretary General of the *Leather Apex Society of Kenya*, telephone Nairobi 254 20 7869993 or 700000757, e-mail: cbit@cbit.co.ke Website: www.cbit.co.ke

CBiT is involved in the development of a new digital platform for the leather industries of East Africa.

HOTELS/TOURISM/COMMERCIAL PROPERTY CONTACTS



Andrew Muriungi is Managing Director of the Kenyan roofing manufacturing company, **RHINO MABATI FACTORY LIMITED**, telephone Nairobi 254 722638383, e-mail: info@royalmabati.com Website: www.royalmabati.co.ke

The company is planning the construction of a new roofing materials factory in Kisumu, Kenya.

Ashenafi Wassihun is Procurement Manager at the **EDNA MALL** in Addis Ababa, telephone 251 11 6616874, Website: www.ednamall.co

There are calls for the renovation of the mall.

Nicolas Eynaud is General Manager at the Mauritian commercial property development company, **NOVATERRA**, telephone 230 2040808, e-mail: contact@novaterra.mu Website: <https://novaterra.mu>

The company is developing the Mohogany Shopping Promenade in Mauritius.

Zamani Letjane is Managing Director at **AKANI PROPERTIES**, telephone Johannesburg 27 11 5785338, e-mail: info@akaniproperties.co.za Website: <https://akaniproperties.co.za>

Akani will be developing an hotel and conference centre in Middelburg, South Africa.

HEALTH SECTOR CONTACTS



Jason Carmichael is Chief Executive Officer and Co-founder of **TIBU AFRICA**, telephone Nairobi 254 769402089, Website: <https://tibu.africa>

Tibu is a mobile app providing home-based medical care in Kenya.

Belinda Shaw is Chief Executive Officer at the biotech company, **CAPE BIO PHARMS**, telephone Cape Town 27 21 2862835, e-mail: contact@capebiopharms.com
Website: www.capebiopharms.com

The company is establishing a biotechnologies manufacturing facility in Mauritius.

DONOR/DFI/FUND/ECA CONTACTS



The following are the regional Directors General recently appointed by the **AFRICAN DEVELOPMENT BANK (AfDB)**:

Leila Farah Mokadem, Director General: Southern African Region (a Tunisian national)

Nenna Lily Nwabufo, Director General: East Africa Region (a Nigerian national)

Serge N'Guessan, Director General: Central Africa Region (a Canadian national).

Website: www.afdb.org

Sipho Makhubela is Chief Executive Officer at the private equity fund management firm, **HARITH GENERAL PARTNERS**, telephone Johannesburg 27 11 3844000, e-mail: info@harith.co.za Website: www.harith.co.za

Harith is involved in the funding of the Beitbridge Border Modernisation project.

James Mwangi is Chief Executive Officer at the **EQUITY GROUP** of the DR Congo, telephone Kinshasa 243 818302700, e-mail: mail@equitybank.cd Website: <https://equitybank.cd>

Equity Bank Congo (EBC) has just merged with *Banque Commerciale du Congo (BCDC)*.

Mansoor Bin Ebrahim Al-Mahmoud is the Chief Executive Officer at the **QATAR INVESTMENT AUTHORITY (QIA)**, telephone Doha 974 44995900, e-mail: contactus@qia.qa Website: www.qia.qa

QIA has concluded an agreement with *Enel* of Italy whereby it will purchase stakes in *Enel's* renewable energy projects in sub-Saharan Africa.

Motonori Tomitaka is a Senior Adviser: Irrigated Rice Cultivation at the **JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)**, Website: www.jica.go.jp

JICA has contributed funds for the Project for Irrigated Rice Production in the Senegal River Valley.

UNITED NATIONS/NGO CONTACTS



Angèle Dikongué-Atangana is Deputy Director: Southern Africa at the **UNITED NATIONS HIGH COMMISSIONER FOR REFUGEES (UNHCR)**, telephone Pretoria 27 800100030 , Website: www.unhcr.org

The Deputy Director has expressed concern over the situation in Cabo Delgado Province, Mozambique.

Francesca Fontanini is dealing with the Cabo Delgado Humanitarian Response Plan at the **UNITED NATIONS HIGH COMMISSIONER FOR REFUGEES (UNHCR)**, telephone 258 84 3120930 or 39 3297004399, e-mail: fontanin@unhcr.org Website: www.unhcr.org

DIPLOMATIC CORPS CONTACTS



Zekarias Talo Anjulo is First Secretary at the **EMBASSY OF ETHIOPIA** in Pretoria, telephone 27 12 3464257, e-mail: zekarias.talo@mfa.gov.et Website: www.ethiopianembassy.org.za

Editor's Note: Africa House clients and contacts report that this embassy is particularly helpful.

SOUTH AFRICAN GOVERNMENT & UTILITY CONTACTS



Phillip Nel is the operations member of the **TSHWANE MAYORAL COMMITTEE**, telephone Pretoria 27 12 3588721 or 3584903, e-mail: phillipn@tshwane.gov.za Website: www.tshwane.gov.za

The Tshwane municipality is undertaking the Centurion Lake Clean Up Project in Midrand, South Africa.



BRICS/ASIA/AMERICA/EUROPE CONTACTS

≡ EARTH GLOBE ≡



designed by freepik.com

David Saez Rodriguez is Project Manager at **TSK** of Spain, telephone 34 985134171, e-mail: grupotsk@grupotsk.com Website: www.en.grupotsk.com

TSK is the contractor for the Temane gas power plant in Mozambique.

Paul Weelon is Vice-President: Exploration at **ROXGOLD**, telephone Toronto 1 416 2036401, e-mail: info@roxgold.com Website: www.roxgold.com

Roxgold is developing the Séguéla gold project in Côte d'Ivoire.

Andy Ana is the Executive Vice President: Africa at **SN POWER**, telephone Oslo 47 66 717000, e-mail: info@snpower.com Website: www.snpower.com

SN Power is a member of the consortium developing the Ruzizi hydro power project on the border of the DR Congo and Rwanda.

Mansoor Bin Ebrahim Al-Mahmoud is the Chief Executive Officer at the **QATAR INVESTMENT AUTHORITY (QIA)**, telephone Doha 974 44995900, e-mail: contactus@qia.qa Website: www.qia.qa

QIA has concluded an agreement with **Enel** of Italy whereby it will purchase stakes in **Enel's** renewable energy projects in sub-Saharan Africa.

Motonori Tomitaka is a Senior Adviser: Irrigated Rice Cultivation at the **JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)**, Website: www.jica.go.jp

JICA has contributed funds for the Project for Irrigated Rice Production in the Senegal River Valley.

WEBSITES



Although produced in 2015, the German technical assistance agency, **GIZ** carries a comprehensive analysis of the **NIGERIAN ENERGY SECTOR** on

www.giz.de/en/downloads/giz2015-en-nigerian-energy-sector.pdf

PROJECT-RELATED ACHIEVEMENTS AND/OR ACTIVITIES OF AFRICA HOUSE NEWSLETTER SUBSCRIBERS, ASSOCIATES AND CONTACTS

The materials testing and vehicle inspection company, **DEKRA INDUSTRIAL** has been presented with the **NOSCAR** Safety Award in the field of occupational health, safety, environment and risk management.

AFRICA & THE WORLD



According to statistics from the *World Health Organisation* and the *World Bank*, sub-Saharan Africa has 0,2 **PHYSICIANS PER ONE THOUSAND POPULATION**. The *European Union* countries have 3,7 and Latin America/Caribbean has 2,3. South Africa has 0,9.

SPOTLIGHT ON AID AGENCIES, INTERNATIONAL DEVELOPMENT FINANCE INSTITUTIONS, FUNDS & SELECTED RELATED ORGANISATIONS

The pan-African private equity fund management firm, *Harith General Partners* and the *Pambani Remgro Infrastructure Fund* are investing in the *Zimborders Mauritius BEITBRIDGE BORDER MODERNISATION PROJECT*. The value of the project is estimated at R4,5 billion or about US\$ 307 million.

The **AFRICAN DEVELOPMENT BANK (AfDB) AND THE EUROPEAN INVESTMENT BANK (EIB)** have concluded a joint partnership programme aimed at the development of a common pool of public and private sector African projects in mutually agreed priority sectors.

The *Equity Group* has received approval from the Central Bank of the Congo for the **BANK MERGER** of the *Banque Commerciale du Congo (BCDC)* and *Equity Bank Congo (EBC)* in the DR Congo.

The *Qatar Investment Authority (QIA)* which manages the *Qatar Sovereign Wealth Fund* has concluded an agreement with the Italian energy company, *Enel* whereby it will purchase stakes in *Enel's RENEWABLE ENERGY PROJECTS* in sub-Saharan Africa.

TRAVEL NOTES



The South African Ministry of Transport has announced that the **KOSI BAY BORDER POST** at the KwaZulu-Natal and Mozambique coastal border will be opened on 1 January 2021. It has been closed since March 2020.

Editor's Note: At the time of writing, the South African government has closed the country's land borders.

Airlink has announced direct **CAPE TOWN-HARARE FLIGHTS** to commence 18 January 2021.

WHISPERINGS - FOOTNOTES



- Morocco has achieved a major diplomatic coup with the recent recognition by the USA of its sovereignty over the **WESTERN SAHARA**. Another related diplomatic development was the announcement of the opening of relations with Israel.

- The decision by the commodities trader, *Trafigura* to end its participation in the Mutoshi cobalt formalisation project in the DR Congo further emphasises the complexity of **ARTISANAL MINING** projects undertaken

by mining companies in Africa. Attempts to formalise artisanal mining activities have encountered considerable difficulties. In this particular case, reasons given for termination include the decision by the mining house, *Chemaf* to develop an industrial mine at the site, Congolese law stipulating that cobalt be traded through the state cobalt company, *Entreprise Générale du Cobalt* and the Covid

- The French government has indicated that it may be reducing its **OPERATION BARKHANE FORCES** deployed to combat Al-Qaeda and ISIS insurgents in the G5 Sahel countries of Mali, Niger, Burkina Faso, Chad and Mauritania. It is claiming important military successes but in the past few days, five French soldiers have been killed. In 2020, France increased the force by 600 to a total of 5 400 troops. It has been operating in the region since 2014.
- It would appear that prominent **SENEGALESE CELEBRITY EXPATRIATES** are particularly keen to invest in their home continent. The Liverpool soccer star, *Sadio Mane* is funding a school, a clinic and the rebuilding of a mosque in his birth town of Bamballi in Senegal. He has also donated to the Senegalese health authorities. The well-known US-Senegalese music rapper, *Akon (Aliaune Thiam)* is investing in a feasibility study for a copper mine in the DR Congo.
- Macro-economic specialists and observers are calling for greater investment by growing **AFRICAN PENSION FUNDS** in private equity. This would enlarge the African private equity industry and stimulate African business. Treasury bills are not yielding sufficient returns.
- A limited number of **AIRPORT RENOVATION PROJECTS** have been recently initiated but some have been postponed. A good example is *Jomo Kenyatta International Airport* in Nairobi, Kenya where two terminals are being renovated but a new terminal and a second runway have been postponed.
- The recent agreement between Sudan and South Sudan to resolve logistical issues and increase **OIL PRODUCTION FROM SOUTH SUDAN NORTHERN OIL FIELDS** is a logical and welcome development. Despite the troubled nature of historical bilateral relations, South Sudan's northern oil fields are particularly dependent on transport routes through Sudan to Port Sudan. The two governments have also established a special joint coordination office to increase production from the northern oil fields to 300 000 barrels per day.

RECENT ACTIVITIES OF AFRICA HOUSE

Africa House hosted a Africa 2021 virtual event on 28 January 2021.

Guest speakers and panellists included:

- John Rocha, Chief Director: Trade Invest Africa, *Department of Trade, Industry and Competition*
- Opuio Oforiokuma, Acting Chief Operating Officer, *Africa50*
- Dr. Wanyama Masinde, Regional Integration and Trade Expert, Centre for Regional Integration - *Centre pour l'Intégration Régionale CEFRI*
- Paul Eardley-Taylor, Oil & Gas, Southern Africa, Standard Bank Ayodeji Olaifa, Vice President: *KfW IPEX-Bank GmbH* | Sub-Saharan Africa Regional Office
- Ms. Zodwa Mbele, Group Executive: Transacting, *Development Bank of Southern Africa (DBSA)*
- Dr Tapiwa Dube, Business Development Manager | Continental Coverage, *Industrial Development Corporation (IDC)*
- Alex Mbonye, Uganda Partner, *Africa House*
- Thessa Brongers Bagu, Managing Director, *Naijalink Ltd*
- Moses Nkanda, Tanzania partner, *Africa House*
- Florival Mucave

During January, Podcast discussions were produced for *Africa House* clients on the following topics:

- *Roelof van Tonder* and *Duncan Bonnett* discussed unpacking the Africa Continental Free Trade Area.
- *Duncan Bonnett* had a discussion with Philip Lucky, Rwanda Development Board: Rwanda as Trade and Investment Destination.

COMMODITIES OF AFRICA

| TYPE OF COMMODITY | COMMODITY | UNITS | PRICE: DECEMBER 2020 | PRICE: JANUARY 2021 | PRICE: FEBRUARY 2021 |
|--------------------------|------------------|--|----------------------------|---------------------------|----------------------------|
| Agriculture | Cocoa | US\$ per Kilogram (US\$/kg) | 3.28 | 2.67 | 1.74 |
| | Coffee | US\$ per Kilogram (US\$/kg) | 1.17 | 1.05 | 1.25 |
| | Cotton | US\$ per Pound (US\$/lb.) | 71.73 | 70.76 | 76.71 |
| | Rice | US\$ per Metric Ton (USD/MT) | 421.00 | 432.00 | 422.00 |
| | Sugar | US\$ per Kilogram (US\$/kg) | 13.24 | 14.43 | 16.23 |
| Base and Precious Metals | Cobalt | US\$ per Ton (US\$/t) | 32,999.89 | 32,750.11 | 41,240.00 |
| | Copper | US\$ per Ton (US\$/t) | 6,155.00 | 5,714.50 | 7,733.47 |
| | Gold | US\$ per Troy Ounce (US\$/t oz.) | 1,551.47 | 1,570.11 | 1,845.87 |
| | Iron Ore | US\$ per Dry Metric ton (US\$/DMT) | 93.87 | 91.74 | 154.74 |
| | Platinum | US\$ per Troy Ounce (US\$/t oz.) | 970.77 | 992.88 | 1,106.00 |
| Energy | Coal: Industrial | US\$ per Metric Ton (USD/MT) | 73.62 | 76.03 | 79.50 |
| | Coal: Coking | US\$ per Ton (US\$/t) | 45.55 | 46.05 | 64.20 |
| | Gas: Natural Gas | US\$ per million British Thermal Units (USD/MMBtu) | 2.22 | 1.91 | 2.98 |
| | Oil: Crude Oil | US\$ per Barrel (US\$/bbl.) | 64.86 | 59.96 | 55.25 |

Source: Various

INDEMNITY

Some of the information contained in this document is of a confidential nature and is supplied to subscribers on the understanding that contents will be treated with appropriate discretion. Please note that while every effort is made to ensure the accuracy of the information contained in this specialised publication, neither Africa House nor its affiliate bodies and associates will be held responsible for any loss or inconvenience resulting from application of this information.