



NEWSLETTER

TRANSMISSION COMPANY OF NIGERIA (TCN)



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MD/CEO's END OF YEAR MESSAGE



As we match into the New Year, it is pertinent for us to appreciate our collective successes recorded in the year 2019 and reaffirm that Management of TCN will continue to explore avenues of improving staff welfare and capacity building. The Management recognises the sterling performance of staff in 2019 which has assisted significantly in positioning TCN in the Nigeria Electricity Market (NEM). The positive change is also due to the new focus of Management which equally galvanised staff performance. The company has indeed been transformed from the weakest company in the Nigeria Electricity Supply Industry (NESI) to the most pragmatic, and indeed leading most innovations. Unlike in the past, TCN is currently leading all efforts expected to take the Nigeria Electricity Supply Industry (NESI) to sustainability.

TCN concluded the 20Year Least Cost Transmission Expansion Plan through support from the World Bank which is the first of its kind in the history of Nigeria, and established the Transmission Rehabilitation and Expansion Program (TREP) with Development Objective “to rehabilitate, stabilize, provide redundancy consistent with international best practice of N-1 reliability and expand the wheeling capacity of TCN to 20,000MW in four years”.

TCN will vigorously sustain the

implementation of TREP with its four-point strategies; Critical Investment in Lines and Substations, Frequency Control, Spinning Reserve and effective Supervisory Control and Data Acquisition (SCADA) and will support all efforts in 2020 and beyond to ensure full realization of the laudable objectives of the program.

In addition, in 2020 and going forward, TCN will focus on repositioning the company not only by expanding capacity and redundancy but also by building a modern organization in line with our Vision, Mission and Core Values. These will include various capacity building programs, Enterprise Resource Management and stronger partnership with staff for further repositioning of the organization.

In conclusion, the journey that will transform TCN to becoming one of the leading power transmission companies in the world has started on a positive step and we will sustain the tempo. However, a holistic development of the sector needs the support of all for the sustainable development of TCN and NEM in general.

On behalf of the entire staff of TCN, I appreciate you all for your contributions in the year 2019 and wish you and your families a happy and prosperous New Year.

U. G. Mohammed
Managing Director/CEO



Minister of Power Engr. Saleh Mamman

FEDERAL GOVERNMENT REITERATES ITS COMMITMENT TO IMPROVING THE POWER SECTOR

By Maimuna Isah-Ladan

The Federal Government has reiterated its commitment towards tackling the challenges in the power sector. This was made known by the Minister of Power, Engr. Saleh Mamman, at a national discourse organized by the Kaduna State Polytechnic on Thursday, 28th November 2019, to address the challenges of the power sector in the country.

Delivering his keynote address, the Minister of Power acknowledged that the power sector reform has not met the expected impact largely due to severe structural deficits in both transmission and distribution networks.

He however noted that the Federal Government, through the power sector recovery programme, is trying to strengthen the sector's institutional framework, increase transparency, implement clear policies that promote and encourage investor confidence.

The Minister said a lot of achievements have been made as a result of regulatory and other policies being implemented by the present administration, adding that he had earlier commissioned a 47.5 kilowatts solar system for Doka General Hospital in Kachia Local Government Area of Kaduna State.

He explained that the success of the solar project can be attributed to Federal Government's collaboration with development partners and the private sector. He lamented that despite achievements recorded in power generation and increased transmission capacity, the Distribution Companies (Discos) were not doing enough to take electricity to the consuming public.

In his remarks, the Managing Director of the Transmission Company of Nigeria (TCN), U. G Mohammed, who was the Chairman of the occasion, called for the recapitalization of the 11 existing Distribution Companies across the country.

Mr Mohammed faulted the privatization process of the Distribution Companies in 2013 which led to mismanagement of the Distribution companies in the country, and stated that it would be more beneficial to Nigeria and the power sector if distribution companies were recapitalized.

He said that transmission capacity has improved tremendously and as at December 2018 had reached 8100MW. The Discos, he informed, lack the capacity to effectively distribute electricity to customers across the country which has resulted in stranded capacities both at generation and transmission segments of the value chain.



(Standing), MD/CEO TCN, U. G Mohammed

The MD further disclosed that over the last few years, TCN has made significant improvement by installing and commissioning 68 power transformers across the country. He added that TCN engineers have equally fixed transformers that were damaged in the past and have successfully installed and commissioned them. He said TCN is planning to set up a transformer repair workshop. This, he said, will help reduce the cost of repairing transformers as it will be done by in house engineers.

Mr. Mohammed gave detailed explanations on the Transmission Rehabilitation and Expansion Programme (TREP) initiated by TCN and how \$1.661 billion from multi-lateral financing agencies have been secured to fund the projects. He said TREP is expected to expand and stabilize the capacity of the grid to 20,000MW by 2023.

A former Director- General of Energy Commission of Nigeria, Professor Abubakar Sambo, who presented a paper titled “The way forward for the power sector”, noted that although the power sector reforms had not led to significant improvement of electricity supply, there was need to increase the electricity supply base. Professor Sambo also stressed the need for government to review licenses of distribution companies, and strengthen regulatory activities, among others.

Earlier, the convener of the event and Rector of Kaduna State Polytechnic, Professor Idris Bugaje , decried the long years of neglect of the power sector and highlighted things that must be done to achieve the Sustainable Development goals of the United Nations which aims at providing access to electricity by the year 2030.



Cross section of Staff and Students of Kaduna Polytechnic

MAMMAN CALLS FOR SYNERGY WITH STAKEHOLDERS IN THE POWER SECTOR

By Uloma Osuagwu

The Minister of Power, Engr. Saleh Mamman has called for synergy between all stakeholders in the power sector in the implementation of their core mandate for effective service delivery.

Engr. Mamman, who made the call during the first edition of top management retreat for Directors, Chief Executive Officers of Parastatals, Agencies, Heads of Units of Federal Ministry of Power, themed "Building Synergy for Effective Service Delivery in the Power Sector", emphasized the need for synergy for effective delivery, noting that the objective of the President Buhari's administration to provide steady power supply will be hampered if stakeholders in the sector do not work together.

He identified key areas that his ministry intends to address to achieve improved power supply, to include; "ensuring market liquidity and sustainability, addressing infrastructural misalignment between transmission and distribution, fast tracking implementation of FGN intervention projects such as the Mambilla Hydro Power Station, among others, increasing universal access to electricity services and strengthening sector coordination as well as providing adequate policy direction". These areas, according to him, are critical to achieving the present administration's mandate of steady power supply.

Speaking earlier, the Minister of State for Power, Goddy Jedy-Agba called for the adoption of modern



(L-R), Minister of State for Power, Mr. Goddy Jedy Agba, Minister of Power, Engr. Saleh Mamman and Acting Perm. Sec, Ministry of Power, Engr. Ahmed Abu



(Standing), MD/CEO TCN, Mr U. G Mohammed

technology as relevant working tool for functionality in the ministry, adding that the sector needs to improve on capacity building.

Mr Jedy Agba, who identified power as the mainstay and most critical sector for economic

development, implored top management of agencies in the sector to draw up and implement a road map for the full computerization of the power ministry and its affairs.

On his part, the MD/CEO TCN, U. G Mohammed, made a



Group Photograph

presentation on “Sustainable Approach to Solving Power Supply Crisis in Nigeria”. He noted that low Gross Domestic Product (GDP), poor liquidity, lack of sustainable investments, weak national grid, emergency solutions, and poor planning are some of the challenges that still persist in the Nigerian Electricity Market (NEM), even after privatization.

Speaking on the way forward, Mohammed called for the replacement of Single Buyer Electricity model to bi-lateral agreement between Gencos and Discos for sustainable investments, adding that before the signing of any transmission lines contract, there must be a proper study and evaluation of the project, which would include proper

feasibility study, Environment Impact Assessment Study (EIA), Resettlement Action Plan (RAP), and compensation of people affected by Right of Way as well as competitive procurement to bring efficiency into the system.

He further listed various transmission projects TCN is putting in place to solve electricity challenges in the most neglected parts of Nigeria through its Transmission Rehabilitation and Expansion Programme (TREP). He said that TREP will build a 330kV substation in Ikom and Ogoja to solve the issue of transmission interface in Calabar, replace the single circuit line between Jos and Gombe with the Eastern Backbone high capacity transmission line, complete

the line between Ughelli and Port Harcourt, through Yenegoa, build another quad line from Omotsho to Benin-North, closing the loop between Akangba and Alagbon, Okpai and Ughelli to make it consistent with N-1.

The meeting, which provided opportunity for participants to interact and analyse critical issues that affect the sector came up with a communique which includes; the need for recapitalization of electricity distribution companies, provision of smart meters; the need for the Ministry to fast-track the effective implementation of “willing buyer, willing seller” policy of the present administration, amongst others.

A GOAL IS A DREAM WITH A DEADLINE.

KEEP MOVING....

DO NOT STOP TRYING



ELECTRICITY: KEY TO SUSTAINABLE DEVELOPMENT AND SECURITY -Borno State Governor

By Stanford Nneji

The Borno State Governor, His Excellency, Professor Babagana Zulum, recently paid a courtesy visit to the management of Transmission Company of Nigeria (TCN), at its Corporate Headquarters, Abuja.

During the visit, the Governor expressed appreciation to TCN for the enormous support and sustained effort to ensure power supply to the region despite the destruction of about 780 power lines and other infrastructure by insurgents. He lamented the acute humanitarian crisis triggered by insurgency with the attendant devastation of the socio-economic life of the people of Borno State, and opined that the root cause of insurgency must be addressed if there is to be any form of sustained growth in the region.

The Governor said that his visit was to seek greater collaboration with TCN in an effort to boost

electricity supply to the state, stating that electricity supply is crucial for the economic recovery and development of Borno State. He noted that adequate power supply will significantly impact agricultural industry in the state as well as provide huge employment opportunities for the people.

He suggested the use of other alternative energy sources like solar, wind etc to further increase energy in the state in the near future.

Speaking earlier, the Managing Director of TCN, U. G Mohammed lauded efforts of the Governor in rebuilding the state after the devastations by insurgents. He noted that the governor is the right person to govern the state judging by his achievements so far, as well as his intolerance for corruption.

Mr Mohammed informed the governor that TCN has secured the sum of \$1.661 billion from multilateral donor agencies to strengthen the transmission grid in Nigeria and that the rehabilitation and expansion of the grid would include the transmission system in Borno State.

He also informed the governor that TCN is building three additional 330kV substations in the Northeast to increase transmission capacity in that axis, and that plans were underway to secure \$200M from AfDB to further increase capacity in Borno, Adamawa and Yobe States. Electricity, he said, will go a long way in solving security issues in Borno State. He pledged TCN's commitment to working with the Governor to ensure that the state's electricity problems are resolved.



TCN Meets EKO and IKEJA DISCOS

on Areas of Cooperation for More Efficient Power Supply in Lagos State

By Kazah Bili Akau



(Left) Eko Disco Team led by the MD Mr Adeoye Fadeibi

The Transmission Company of Nigeria (TCN) has commenced a series of meetings with distribution companies with the aim of identifying areas of cooperation and resolving interface issues, to engender more efficient supply to electricity consumers.

In one of such meetings the Managing Director of Eko Electricity Distribution Company (EKEDC), Adeoye Fadeibi, listed locations with electricity supply constraints within his network and suggested ways TCN could intervene to resolve them.

He disclosed that EKEDC has set up a committee charged with the responsibility of analysing medium and long term issues and to plan alongside TCN for the attainment of overall success of steady power supply in their franchise area. He added that "we are all together in this, if we are not working side by side and if our plans are not lining up, then it's all going to be a lot of failed projects".

Speaking at the meeting, the MD/CEO of TCN, U. G. Mohammed, expressed delight with the outcome of the meeting and noted that the meeting was scheduled based on analysis made

on the EKEDC network which reported projections, strategy and areas of constraints where TCN could come in and provide solutions.

He described the meeting as strategic as challenges, restrictions and constraints were identified, and commitments were made to resolve the challenges within immediate, short and long term projections.

He also noted that EKEDC has demonstrated a high level of commitment to improving its service delivery which is why TCN wants to work more closely with them to eliminate constraints within their franchise area, and implored EKEDC to look into the issue of equipment protection especially on their 33kV and 11kV lines to eliminate the threat of damage to TCN's equipment. He said that injection substations are necessary to checkmate faults on TCN transformers.

Mohammed further explained that EKEDC's report indicated that between 2019 to 2024, they would likely have interface constraints in Isolo and Lekki. For Lekki, the MD said TCN is building 330kV and 132kV substations in Badagry to serve the area. In Isolo, even though TCN has no record of increased offtake by EKEDC, TCN would provide a 60MVA mobile transformer to further increase its capacity at the substation.

Similarly, the Managing Director of Ikeja Electricity Distribution Company, IKEDC, Mr. Anthony Youdeowei and his team, met with TCN management on 10th December, 2019, to discuss areas it requires TCN's immediate intervention and to agree on proactive steps to resolve them.

Youdeowei noted that IKEDC's network is constrained along Ikorodu and Ilupeju where it faces congestion, and requested that additional capacity be added to the area.



Ikeja Disco team led by the MD Mr. Anthony Youdeowei



COMMUNIQUÉ

Issued at the end of the 1st edition of the Top Management Retreat on Saturday 7th December, 2019, at Transcorp Hotels, Calabar, Cross River State.

The First (1st) Edition of the Top Management Retreat for Directors, Heads of Units and Chief Executive Officers of Agencies/Parastatals of Federal Ministry of Power was held at the Conference Hall of Transcorp Hotels, Calabar on the 6th to 7th December, 2019 with the Theme 'Building Synergy for Effective Service Delivery in the Power Sector'.

2. The Retreat was presided over by the Honourable Minister, Federal Ministry of Power, Engr. Sale Mamman. Also in attendance were the Honourable Minister of State, Hon. Goddy Jedy Agba, OFR (Dan Jarin Nupe), the Director Overseeing the Office of the Permanent Secretary (DOOPS), Engr. Ahmed Abdu (FNSE), Directors, Managing Directors/Chief Executive Officers of Parastatals, and Heads of Units in the Ministry.

3. The DOOPS welcomed participants and pointed out that the theme of the Retreat was chosen to encourage synergy and team spirit amongst the Ministry and its Agencies. According to him, the Retreat was to afford participants the opportunity to interact with one another and analyze critical issues affecting the Power Sector, with a view to proffering solutions and charting the way forward. He urged all Top Management staff to develop team working skills and positive attitude for effective task management. He appreciated the support and cooperation of the Government and the good people of Cross River State for their hospitality and support towards the successful hosting of the Retreat.

4. In his Opening Remarks, the Honourable Minister of State reminded participants that the essence of the Retreat was to address the gaps in operational/administrative relationship that exist between the Ministry and its Agencies and to establish a good working relationship for the implementation of Government policies aimed at achieving the Ministry's mandate.

5. In his keynote address, the Honourable Minister, Engr. Sale Mamman, welcomed participants and thereafter declared the Retreat open.

6. The Retreat received and discussed Four (4) presentations as follows:

- i. Importance of Effective Metering Services in Nigerian Electricity Supply Industry (NESI);
- ii. Overview of the Rural Electrification Agency;

iii. Building Synergy for Effective Service Delivery in the Power Sector;

iv. Sustainable Approaches to solving the Power Supply Crisis in Nigeria

RESOLUTIONS: At the end of the Retreat, the following resolutions emerged:

1. There is need for recapitalization of Electricity Distribution Companies to reposition them for effectiveness, efficiency and sustainability;

2. Provision of smart meters will forestall meter tampering, energy theft, improve collection efficiency and liquidity in the electricity market;

3. The Ministry to intervene in the interpretation and clarification of the Electricity Power Sector Reform Act, 2005 and Nigerian Electricity Management Services Agency Act, 2015 regarding inspection, testing and certification of electrical installation in NESI with respect to the mandates of Nigeria Electricity Regulatory Commission (NERC) and Nigerian Electricity Management Services Agency (NEMSA);

4. The Ministry to intervene in ensuring that NERC releases the statutory funds for Rural Electrification to REA as provided for under the EPSR Act 2005;

5. To address the Synergy challenge, the Ministry and its Agencies are to ensure Coordination, Collaboration and Harmonization in the implementation of their core mandates for effective service delivery;

6. Policy directives by the Ministry should be continuously monitored for effective and efficient performance;

7. Recognizing the Human Capital Development as the hallmark of efficient and effective performance, Departments and Agencies in the Sector are to ensure collaboration and alignment with NAPTIN.

8. To ensure better funding for effectiveness of training in the Power Sector Value Chain, there is the need to bring NAPTIN back as a Market participant under the Multi Year Tariff Order (MYTO).

9. There is a need for the Ministry to fast-track the effective implementation of the "willing buyer, willing seller" policy of the present Administration.

THE WORLD BANK AND IMF DELEGATES MEET WITH TCN MANAGEMENT TO DISCUSS POWER SECTOR REFORM, CHALLENGES AND WAY FORWARD

By Stella Ejikonye



(L-R), MD/CEO TCN, Mr. U.G Mohammed with delegates from World Bank

The Transmission Company of Nigeria, TCN, recently received some delegations from World Bank and International Monetary Fund (IMF) at its headquarters in Abuja, to discuss the on-going reform in the sector, TCN achievements, milestones, challenges and plans towards achieving adequate bulk electricity supply across the nation.

Speaking at the meeting, the MD/CEO, TCN, Mr. U. G. Mohammed, informed the delegates about TCN's efforts towards improving bulk electricity supply and repositioning the company nationwide. He said that TCN

management is tackling the challenges of Right of Way through collaboration with the state governments; ensures competitive procurement of projects and equipment and has a well articulated 20 year least cost Transmission Expansion Plan. The first four years of that plan is being implemented under its Transmission Rehabilitation and Expansion Program (TREP). TREP, he explained, is aimed at rehabilitating, stabilizing, providing necessary flexibility, redundancies and expanding the wheeling capacity to 20,000MW by 2023.

He disclosed that in the quest to achieve 20,000MW wheeling capacity by 2023, TCN has set out

a four-point strategy which include; Frequency Control, Spinning Reserve, functional SCADA/EMS/Telecom and critical investment in Lines and Substations, adding that TCN has recovered over 790 containers containing power equipment abandoned by contractors at the ports. TCN, he continued, had also cancelled underperforming and abandoned contracts, and has also used in-house engineers, at significantly lower cost to install 68 power transformers across the country.

Explaining further, the MD said that TCN engineers will be involved in reconductoring 132kV lines from Ikeja West – Alimosho – Ogba – Ota; from Onitsha – Awka to Oji River; Aba – Itu; Birnin Kebbi to Sokoto and from Kaduna – Zaria – Funtua to Gusau. TCN, he said, is collaborating with donor agencies to finance some critical TCN projects across the country which is yielding significant results.

Having achieved some level of progress in its project implementation aimed at expanding the grid, the MD/CEO said that there is urgent need to recapitalize distribution companies if electricity consumers would benefit from TCN's efforts. The government, the MD/CEO noted, should invest 40% while the owners of the



Discos should invest 60% of the funds for recapitalization.

Natiya Kulichenko, who led the delegation from the World Bank, said that World Bank is willing to invest in Discos and TCN infrastructure. According to her, comprehensive measures need to be applied to address the country's power sector situation in a sustainable manner. She also suggested that TCN should supervise donor funds in the sector for proper utilization and grid stabilization; keep up with its grid expansion drive to further expand access to electricity; and ensure policy consistency and regulatory clarity in the industry as these would all work to engender infrastructure development.

Meanwhile, the IMF delegation led by Amine Mati, who equally visited TCN to assess progress by TCN in rehabilitating and expanding transmission



(L-R), MD/CEO TCN, Mr. U.G Mohammed with delegates from IMF

infrastructure nationwide, were pleased with TCN's achievements so far, and assured of their readiness and commitment towards further supporting infrastructure development in the power sector.

The IMF team urged the Federal Government of Nigeria to support TCN and other critical electricity stakeholders by

ensuring adequate implementation of rules and regulations of the Nigerian Electricity Market (NEM) to create an enabling environment in the nation's grid expansion drive necessary for economic growth.



Cross section of participants at the meeting

EXPERTS CALL FOR ACCOUNTABILITY IN FG'S FINANCIAL INTERVENTIONS IN THE POWER SECTOR

By Eric Ephraim Ene

Following the dwindling power situation in the country despite Federal Government's financial intervention in the sector, post privatization, some experts have called on the government to develop accountability and regulatory framework for the administration of its intervention funds to reposition the sector for a more sustainable electricity industry.

Speaking in their separate submissions at the December 2019, edition of Nextier Power Dialogue in Abuja, with the theme “Evaluating Federal Government's Financial Intervention in Nigeria's Power Sector”, moderated by Mr. Dozie Okpalaobieri, Energy Sector Policy and Regulations Specialist at the African Development Bank (AfDB), the expert reviewed the rationale of government's interventions and proposed models that would help increase

He stated that the recent action being taken by the Nigerian Electricity Regulatory Commission (NERC) on strengthening the performance of the DISCOs is consistent with calls by TCN since 2017 to make the Distribution companies more efficient.

Mr. Mohammed however faulted the privatization process that allowed investors without real knowledge of the sector.

According to him, the ECOWAS Heads of States had approved three directives of the West African Power Pool (WAPP) that could strengthen the operations of power firms especially with the huge financial intervention they are getting from the government.

Another panelist and the Chief Operating Officer of



(L-R), Head, Infrastructure Finance Office, CBN, Mr Boma Benebo, MD/CEO TCN, Mr U.G Mohammed, Energy Sector Policy and Regulations Specialist, AfDB, Mr. Dozie Okpalaobier and Chief Operating Officer of Ikeja Electric, Mrs Folake Soetan

efficiency levels through effective contracts and market discipline.

One of the panelists at the dialogue, the Managing Director and Chief Executive Officer of Transmission Company of Nigeria (TCN), Mr. Usman Gur Mohammed, urged the government to recapitalize the distribution companies (DISCOs), allow for cost reflective tariffs in order to solve the problem of liquidity in the sector and reset the books of the Discos as no amount of intervention would provide permanent solution to the issue.

Ikeja Electric, Folake Soetan noted that in view of the short fall in tariff in the electricity market, there was a need for government's intervention even as she queried the sustainability of the process.

According to her, one of the reasons the DISCOs cannot afford to provide stable power supply to electricity consumers in the country is lack of cost reflective tariff to determine the price of electricity.

On his part, the Head, Infrastructure Finance Office, Development Finance Department, Central Bank of



Cross section of participants

Nigeria, Mr Boma Benebo said the platform provided the opportunity for CBN to let the public know why the bank is intervening in the power sector.

According to him, CBN's intervention is based on the effect of electricity on the microeconomics of about 37million small and medium scale enterprises (SMEs) which account for 84 percent of jobs and 4.5% the nation's GDP.

He stated that there was need for accountability in administration of the fund and noted that the intervention by CBN in 2013 in the power sector were put in place to reset the sector aimed at fixing the cost reflective tariffs in order to make the Nigeria electricity market to transit to contract market.

In his contribution, the Managing Director, Niger Delta Power Holding Company (NDPHC), Mr Chiedu Ugbo commended the CBN for the provision of those interventions and noted that it has saved the generation companies from collapse within the electricity value chain.

The Nextier Power Dialogue which is a monthly program organized to x-ray various problems affecting the Nigeria Electricity Supply Industry (NESI) and proffers solutions and was attended by stakeholders across the sector.



Group photograph of the panelist

TCN ON COURSE IN IMPLEMENTATION OF TRANSMISSION PROJECTS

...Targets 10,000MW by 2020.

By Eric Ephraim Ene



(Standing) MD/CEO TCN, U.G Mohammed addressing Energy Correspondents

The Management of Transmission Company of Nigeria (TCN), has assured Nigerians that transmission projects being executed across the country are on course, some have been completed while others are on-going.

The Managing Director and Chief Executive Officer of TCN, Mr Usman Gur Mohammed gave this indication while addressing Energy correspondents from various media houses at TCN's quarterly press briefing on Thursday, 10th December 2019, in Abuja.

Mr. Mohammed who spoke on TCN's achievements and challenges in the outgoing year disclosed that 68 Power Transformers have been installed nationwide, mostly by in-house engineers. He informed that TCN was also reconductoring major transmission lines and that the conductors to be used for the job have been procured. The conductors would be used for major transmission lines in Lagos, Onitsha, Kaduna, to further increase grid capacity to 10, 000MW.

He revealed that TCN has made milestone achievements between February 2017 and October 2019, by diligent implementation of the Transmission Rehabilitation and Expansion Programme (TREP).

Mr Mohammed, who is also the Chairman, Executive Board of the West African Power Pool (WAPP), explained that TREP targets raising power transmission wheeling capacity to 10,000 megawatts (MW) in 2020 and to 20,000MW by 2023.

He said that various power transmission projects being executed by TCN under TREP include the conducting of transmission lines from Auchu to Okene,

Port Harcourt to Ekiti and Ondo State. Also, the execution of Lagos-Ogun transmission project which is awaiting approval by the Federal Executive Council, while the contract for the connection of Eko Atlantic City in Lagos to the national grid will soon be signed. He also said that TCN was putting N-1 in all the existing transmission substations across the country.

Other on-going projects by TCN include the execution of the Abuja Transmission Ring project which would substantially increase transmission capacity and bring the source of supply into Abuja to three.

He noted that the recently approved Nigeria Transmission Expansion Project (NTEP-1) by the African Development Bank (AfDB) is a major step in the implementation of TREP and that another major project scheduled, is the Northern Corridor, which will run from Calabar to Ikom to Ogoja in Cross River State and to Taraba State and other parts of North East of Nigeria. The line, he noted, is multinational and will also interconnect the West African Power Pool and the Central African Power Pool.

Speaking further on key achievements by the company, he explained that TCN has achieved Frequency Control and that generators were all now on free Governor mechanism. He acknowledged challenges in attaining Spinning Reserve and noted that the provision of SCADA was in progress. Speaking on the issue of Right of Way (ROW) he explained that TCN is collaborating with state governments to resolve issues to ensure the timely execution of transmission projects.

Mr. Mohammed reiterated calls for the capitalization and strengthening of operations of the 11 Distribution Companies (DisCos) to enable them evacuate more power from the upgraded and enhanced facilities of TCN.

Responding to questions on regional electricity trading in West Africa, the WAPP Chairman noted that Togo, Benin and Niger are gradually paying the backlog of their outstanding electricity bills.

TCN's END OF THE YEAR PARTY



WEDDING GALORE



Mrs Chisom Udi Lawrence, daughter of Mr. Nwokoye, GM (Engineering), CHQ, and her husband



Mrs , Bolanle Adelekan, daughter of Mrs Fasuba, (SM) HR, CHQ, and her husband



Mr Dayo Apelehin, son of Mrs. Apelehin, (Mgr) P/A, CHQ, and his wife



Mrs. Olaide Ogbaga, Officer I (ICT) CHQ, and her husband



Mr. Nwadike Morrison, Officer I (Lines Project), CHQ, and his wife



Mr. Chibuikwe Nwachi, Officer III (OHS) CHQ, and his wife



Mrs Victoria Jinfa, daughter of Mrs. Pauline Lucas, Officer I (ICT), CHQ, and her husband



Mrs. Olaoluwa Victor-Akpan, Officer II (ICT) CHQ, and her husband

RETIREMENT



(6th Left), Mr Clement Ezeolisah, AGM (Public Affairs) ISO, during his retirement ceremony



(Middle), Mrs Nnawuihe G. N, PM (Secretary) Audit, during her retirement ceremony



(Middle), Mrs Gbade Sofeso, SM (Secretary) R & D, during her retirement ceremony



(Middle), Mrs Joy Eze, SM (Secretary) Enugu Region, during her retirement ceremony

TCN's END OF THE YEAR PARTY



IGALI LAUDS TCN'S EFFORT AT INCREMENTAL POWER

By Gabriel Gandu

A former Permanent Secretary in the Federal Ministry of Power, Ambassador Godknows Igali has lauded the efforts of the Transmission Company of Nigeria (TCN), at improving bulk power supply in the country.

Ambassador Igali who recently paid a courtesy call on the management of TCN at its Corporate Headquarters in Abuja, spoke on the issues bedeviling the power sector despite much investments and efforts by the government, adding that with critical investment in all aspects of the sector, coupled with articulate planning, such as TCN's Transmission Rehabilitation and Expansion Program, the issue of solving the power sector challenges will no longer be a long term issue.

He appealed to Nigerians to be patient with the power sector, and urged TCN to be more proactive in effectively communicating the ongoing reforms in the sector to clear public misconceptions. He also called on all State and Local governments as well as Community leaders to embrace

the ongoing reforms initiated by TCN and assist TCN on the issue of Right of Way. He said that the issue of ROW was important as many projects have been stalled as a result of people building on transmission line routes.

Speaking, the MD/CEO of TCN, Mr U. G Mohammed expressed gratitude to Igali for his observations and comments, noting that TCN has comparative advantage in power generation across West Africa. He said there is need to strictly commercialize electricity business and cease making it a diplomatic issue. According to him, with the launch of ECOWAS Regional Electricity Market in June 2018, and WAPP North Core project, Nigeria would be able to export electricity across West Africa, and with commercialization, she will earn foreign exchange as well as create jobs for its citizens.

Mr Mohammed reiterated the need for Discos to match the huge investment TCN was making in the transmission grid, and called for the recapitalization of the discos.

On the issue of Right of Way, he explained that TCN collaborates with state governors and enters into Memorandum of Understanding (MOU) with them. The MOU allows the governors execute civil aspects of the project within their state to allow TCN concentrate on electro-mechanical work. This, he said, has helped TCN complete some projects in Nsukka and Nnewi, while discussions are ongoing with government of Jigawa, Imo, Ebonyi States etc, where TCN teams are currently scoping the projects.

The MD/CEO explained that as part of efforts to further expand bulk transmission of electricity, TCN is procuring an online regeneration machine which would be used to recover some old transformers. The recovered transformers would be sent to low density communities.



Group Photograph



OSOGBO REGION CHECKMATES TOWER COLLAPSE THROUGH EROSION CONTROL

Omideji Oluwakayode



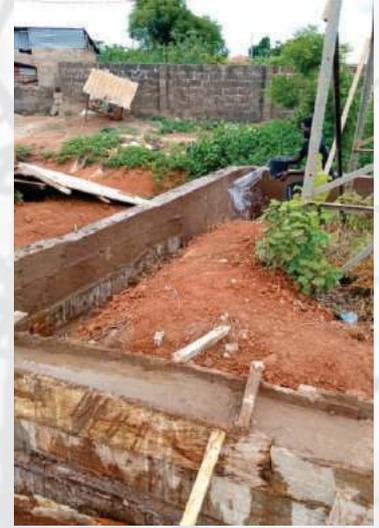
As part of efforts to secure the integrity of transmission towers, TCN has embarked on the fortification of all transmission tower bases nationwide. This is to protect them from factors that compromise their base such as erosion and excavation of laterite by miners. A secure transmission tower

base would avert tower collapse and save the nation huge sums of fund.

In this regard, the Regional Transmission Manager (RTM), Osogbo Region, Engr. Olaniyi Oladele, recently inspected on-going works on some transmission tower foundations and erosion control at tower sites in the Osogbo region.

The RTM stated that TCN embarked on a series of erosion control measures to protect the towers, and that the protection measures include solidifying transmission towers by erecting barrier walls to prevent vehicular accidents which have caused extensive damages to transmission towers in the past.

He noted that erosion control was also on-going in Ganmo Substation aimed at preventing damage on the T1B 60MVA transformer and primary Bus Bar Gantry closest to erosion site by the Substation. In the same vein, work was also ongoing to protect towers 246 and 264 of 132kV Ganmo - Ilorin transmission line, rehabilitate the drainage in Ado-Ekiti 132kV Switchyard and Ayede Sub Regional locations, among others.



The project supervisor and Principal Manager (Projects), Engr. Chukwuemeka Kenneth, reiterated the importance of erosion control to support transmission towers and general maintenance of transmission infrastructures, including substations.

While commending the management of TCN for making funds available for the execution of this important project, he explained that the project would checkmate the effects of rainfall around transmission towers and substations, which if left unattended, may cause loss of vital equipment including the collapse of towers.



Late Mrs. Hajia Dije Muazu
PM (HR) ISO CHQ



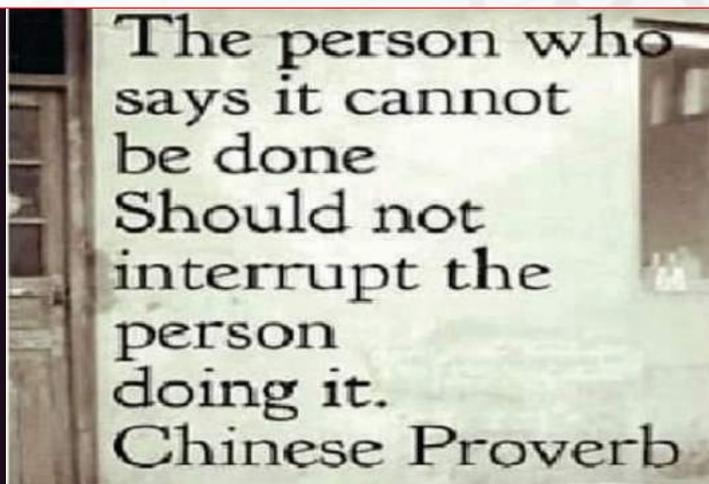
Words can't wipe away our tears
Hugs wont ease our pain
Memories of you
will live in our hearts

Rest in the Bossom of the Lord..!!!

ACCOMPLISHMENTS

Highlights of some other accomplishments (September - December, 2019) by TCN engineers as the company continues to rehabilitate and expand the grid

1. Erection of 330kV Crompton Greaves Circuit Breaker mechanism box on Generator Transformer GT 19 and GT20 Tie 330kV Circuit Breaker at Delta Transmission Substation
2. Installation and Commissioning of new Isolator on T2 60MVA 132/33kV Transformer Secondary Side at Aja Transmission Substation
3. We recorded a sharp reduction in the Transmission Loss Factor (TLF) from 8.03% last month September 2019 to 6.69% this month of October 2019 which is the lowest record since December 2017
4. Installation of new set of 33kV Current Transformer (CT) on Town Feeder at Oghara 132kV Transmission Substation
5. Commissioned a newly installed primary Circuit Breaker to T21 60MVA, 132/33kV transformer at Effurun Transmission Substation
6. Installation of new 33kV CT on T1A 30MVA 132/33kV transformer at Oji Transmission Substation
7. Installation of 33kV Voltage Transformer (VT) on bus bar 1 at Asaba Transmission Substation
8. Installation of a new Energy Meter on the primary of 64MVA 132/11kV transformer at Afam1 Transmission Substation
9. Installation of new sets of 33kV Isolators on TR1 60MVA transformer secondary at Owerri Transmission Substation
10. Improvement of illumination of 330kV Switch yard at Jebba Transmission Substation
11. A new 2X60MVA Transmission substation built by NIPP Ajaokuta was commissioned
12. Construction of new 2No. Earth Stations for 75MX 33kV at Benin Transmission Substation
13. Installation of new 3No. Cooling Fans and 33kV CT HVN on 75MX 33kV Reactor at Benin Transmission Substation
14. Commissioning of a new 33kV BCC Circuit Breaker on Enerhen Feeder at Effurun Transmission Substation
15. Installation of new 33kV Circuit Breaker on T1B 60MVA Transformer secondary at Aba Transmission Substation
16. Installation of new 1No. 50V Battery Bank at Kainji Transmission Substation



Happy New Year



Its a New
DAWN

*for great goals and
accomplishments.*

Welcome to year 2020 !

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