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NEWSLETTER

TRANSMISSION COMPANY OF NIGERIA (TCN)



- NEGMERP is on course
- New Portharcourt Regional Office

Ag. MD/CEO TCN COMMISSIONS NEW PORT HARCOURT REGIONAL OFFICE



TCN Management team led by the Ag. MD/CEO TCN, Engr. Dr. Sule Abdulaziz commission the new Regional office complex of TCN's Port Harcourt Transmission Region

The Ag. Managing Director and Chief Executive Officer of Transmission Company of Nigeria (TCN), Engr. (Dr) Sule Ahmed Abdulaziz commissioned the Port Harcourt Regional Office, dubbed the 'Transmission House', in Rivers State, recently.

In his address, the MD said that the project was completed on September 21st, 2021, and commissioned on 8th October 2021, as part of efforts to upgrade TCN facilities in the region.

According to him, the project is part of efforts to strategically transform TCN through the upgrade of facilities, prompt maintenance, rehabilitation, grid expansion, and manpower development. This is in addition to focusing on the technical/operational aspects of TCN mandate.

He noted that the Port Harcourt Regional Office project was initiated 11 years ago and passed through four Managing Directors/CEOs without being completed. However, within a little over one year, the present management completed and commissioned the project to give officials of TCN at the Port Harcourt regional office a conducive working environment that would help them

operate optimally. TCN Management, he noted, also upgraded the Region with the creation of the Uyo Work Centre and built a new office in front of the 132 kilovolts switchyard of Port Harcourt Main Station among others.

Speaking further, Engr. Abdulaziz said that the completion of the project within a short time is a demonstration of the commitment of the present management team towards ensuring that all TCN staff are given the support and enabling environment that they deserve. He said the region has several ongoing projects, and tasked them to continue to work as a team so that when the projects are delivered they would be proper coordination and operation.

According to him, work is also ongoing to replicate the office project in the other regions of TCN. The new Port Harcourt office complex, he continued, provides a safe working environment for staff, boosts staff morale and productivity as well as provide a conducive meeting place with other stakeholders.

Reiterating Management commitment to the TCN developmental strategies,

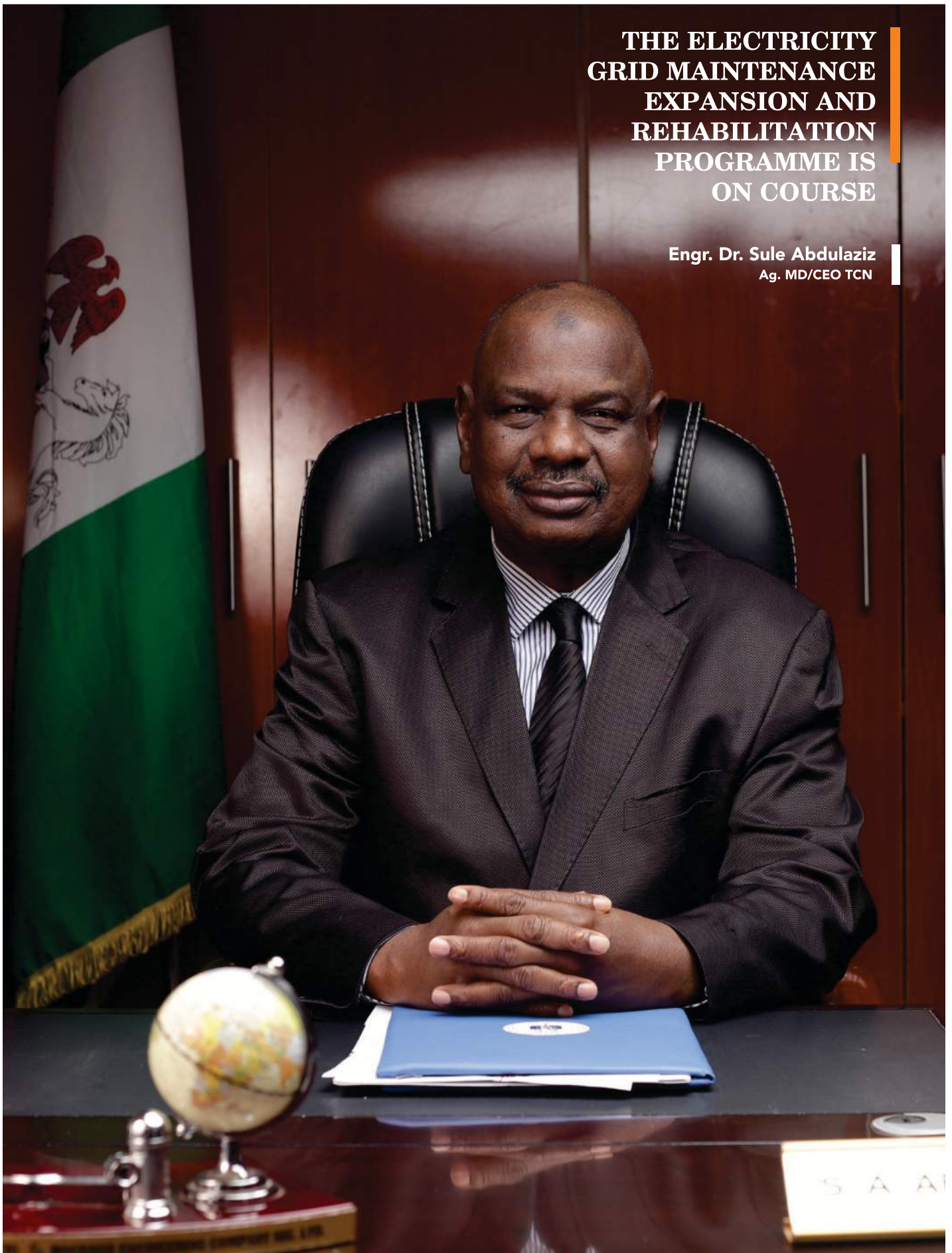
Engr. Abdulaziz said that TCN's strategic plan includes paying attention to human capacity development even as TCN continues to implement its grid expansion program.

Also speaking at the event, the Executive Director, Transmission Service Provider (TSP) at TCN, Engr. Victor Adewumi, informed that TCN is rehabilitating several substations and completing ongoing ones to improve grid capacity. According to him, within the Port Harcourt region, TCN is rehabilitating ten substations, most of which are being executed under the World Bank-financed projects. Under the Siemens intervention project however, the Rumuosi and Elemewon Substations will be rehabilitated, a GIS substation built, and several power transformers installed in different substations within the region.

He commended the ability of the region to efficiently evacuate power to the national grid despite the challenges they face as a result of the concentration of power stations within the region. The Port Harcourt Region he said is significant because it is the only transmission region in TCN that has eight power generation stations within its franchise area.

THE ELECTRICITY GRID MAINTENANCE EXPANSION AND REHABILITATION PROGRAMME IS ON COURSE

Engr. Dr. Sule Abdulaziz
Ag. MD/CEO TCN



The Ag. Managing Director and Chief Executive Officer of TCN, Engr. Dr. Sule Abdulaziz in this interview, speaks on some recently completed transmission projects, stabilisation of the grid and the rationale for the supply of electricity from Nigeria to some neighbouring countries.

Excerpts:

Question: Perhaps for their acronyms, the DisCos (distribution companies) and the GenCos (generation companies) are more familiar to the electricity consumers in Nigeria. In practical terms, what is the role of TCN in the Nigerian power market?

Answer: TCN plays a critical and central role in the Nigerian power market value chain, otherwise referred to as the Nigerian Electricity Supply Industry (NESI). It is licensed by the sector regulator, Nigerian Electricity Regulatory Commission (NERC), to perform three essential roles. The first is that the TCN is the Transmission Service Provider of the NESI; as such, TCN is responsible for constructing, maintaining and operating high voltage transmission infrastructures like 330kV and 132kV substations and their components; and 330kV and 132kV lines and their components. These infrastructures carry bulk supply from GenCos to delivery interfaces at the DisCos.

Secondly, TCN provides System Operation services, which include the scheduling and dispatch of GenCos to provide electricity to DisCos at over 800 delivery interfaces, management of transmission line flows, performing demand forecasts, and procurement of ancillary services.

Thirdly, TCN houses the Market Operations functions of the NESI. These functions include administration of all wholesale markets in the industry, the implementation and enforcement of the Market Rules that guide the industry.

It is important to note that TCN does not

distribute electricity directly to consumers except for factories and processing plants that consume a huge amount of power and that connect directly to TCN high voltage transmission facilities. We, however, move electricity from generation companies on a high voltage and step it down from 330kV, to 132kV and then to 33kV, for the DisCos to offtake and further step down the voltage level, before feeding the customers.

Question: Some commentaries say that transmission is the weakest link in the Nigerian power value chain. Is there any validity to this, or how would you like to disprove the view?

Answer: This is a misconception and is completely devoid of merit within the context of the current dispensation. There is, however, a historical perspective that must be brought to bear on this conversation to bring clarity to this ill-conceived notion. In the pre-privatization era and under the vertically integrated monopoly of power supply in the country, transmission facilities were aged, decayed, outdated, and grossly inadequate to evacuate generated power.

However, following the privatization and the creation of TCN as a licensed operator in the NESI, specific programs and projects have been undertaken by the Company with the support of the Federal Government and donor partners to not only expand TCN's national coverage but also to deliberately upgrade and

expand the network to meet growing transmission demands.

There has been a marked improvement in grid stability, efficiency, and deliverability leading to a significant reduction in the incidence of system collapse in recent times. TCN has been able not only to plan strategically but also to deliver several power transformers and substations as well as reconducted and upgraded transmission lines in many corridors across the country. For instance, we recently completed the reconductoring of the Kebbi – Sokoto 132kV transmission line; the reconductoring of the Ikeja West – Alimosho – Ogba – Alausa 132 kV line in Lagos is ongoing. Others are Kaduna – Kano – Katsina 330kV double circuit lines and substations, and the Kaduna – Jos – Gombe 330kV double circuit line, among others.

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We successfully and effortlessly transmitted the highest peak ever in the history of the Nigerian power sector

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Ongoing substations have also been completed and new ones built, such as the Gagarawa Substation, Jigawa State new transformer in some substation such as in Kumbotso in Kano, Ajah in Lagos, Kubwa in Abuja. We equally carried out scheduled maintenance and procured spare parts, which have reduced downtime to bare minimum. These improvements, which cannot be exhausted, have led to TCN recording eight new peak generations which were successfully transmitted through the enhanced grid.

Against this background, it is unjustifiable to assert that TCN is the weakest link in the Nigerian power value chain. On the contrary, I make bold to say that TCN is presently the strongest link in the value chain.

Question: Revenue and investment are two major challenges in the Nigerian power market. How is TCN – a public company – affected by these two challenges, and what is it doing to address them?

Answer: Yes, cost reflective revenue and adequate investments have eluded the sector for a long time. And it is one of the major reasons for privatizing parts of the sector.

However, like I said earlier, the creation of TCN as licensed operator has given TCN the vantage position to seek creative ways to invest and meet the desires of Nigeria. One of such way is the use of access to concessionary loans from development agencies like the World Bank and Agence Française de Développement (AFD). These loans have been deployed for massive grid expansion projects and rehabilitation projects. These projects are in addition to the projects funded by the Federal Government of Nigeria's budget and TCN's internally generated revenue (IGR). TCN was able to access these developmental loans by strengthening itself and making the institution viable and trustworthy. With the newly established trust comes a lot of opportunity to access funds at concessionary rate. These loans, together with the IGR and budget allocations, are what is responsible for the massive expansion of the grid and continuous rehabilitation of existing TCN



Engineers replacing vandalized tower

infrastructures.

While not being boastful, you can agree with me that a company doing this amount of investment in the sector can be said to be the strongest link in the sector. I am not saying we have solved all the problems of revenue and investments; but we are constantly being creative and seeking active collaboration.

All what I have mentioned would not have been possible without the support of the Ministry of Power, which has played the role of an enabler and catalyst for development in the Power Sector. TCN is equally grateful for the role of the Ministry of Finance in accessing these loans and to its regulator, the NERC.

Question: Despite the weak performance of the power market as a whole, what are the achievements you would like to credit to the TCN since the unbundling of the government monopoly in the power market, especially in recent times?

Answer: First, I would like to quickly point out that the unbundling of the Power Holding Company of Nigeria (PHCN) and eventual privatization of the power sector in 2013, which led to the birth and licensing of TCN,

helped to clarify the role of the Company in the power supply equation in the country. With a very committed Management team coupled with the support of the Federal Government and its development partners, TCN has recorded significant milestones in the system in recent times.

The achievements are attributable to various strategic projects and programs embarked upon by the Company to ensure grid expansion, stability, and reliability in the efficient transmission of bulk power in the country. Through the strategic plan code-named Nigeria Electricity Grid Maintenance, Expansion and Rehabilitation Program (NEGMRP), TCN has executed several capital projects and reinforcement projects across the transmission regions in the country.

We gave priority attention to equipment upgrade and upscaling of the requisite technology, this has helped us to achieve sustained frequency and grid stability. We successfully and effortlessly transmitted the highest peak ever in the history of the Nigerian power sector. Some of the projects we executed that helped to increase our grid capacity are the completion and

commissioning of Gagarawa 2x60MVA, 132/33kV Substation in Jigawa State and 1X100MVA Transformer at Ogba Transmission Substation, Lagos; Installation and commissioning of 132/33kV 60MVA Transformer at Rumuosi Transmission Substation, in Port Harcourt, Rivers State; installation and commissioning of 1x150MVA Transformer at Kano and many others.

We procured and installed critical spares for quick turn-around maintenance. This has greatly reduced downtime and increased efficiency. More needs to be done as we plan for further decentralization of our stores to make the spares much more reachable.

Some key projects in the grid which had been abandoned were resuscitated; some have been completed and connected to the grid, while others will soon be completed. We also have several donor-funded projects, some have been completed and energized, while the others are ongoing. When most of these projects are completed, they would further enable TCN to unlock more energy flow to the DisCos.

Frankly, I cannot list all the projects and interventions that have gone into TCN

within the last few years; they are numerous. TCN has invested more in power infrastructure than any of the privatized arms in the power sector.

“

...electricity supplied across our borders is not part of that required for local consumption; the quantum of electricity mapped out under Multi Year Tariff Order (MYTO) is always available on the grid for offtake by the DisCos

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Question: With their demand for electricity unmet, Nigerians feel scandalized with the information that the country supplies electricity to some neighbouring countries. Are TCN's international operations

profitable and/or otherwise beneficial to Nigeria?

Answer: Without dwelling much on the nitty-gritty of the answer to this question, let me quickly say that the cross-border sale of electricity to neighbouring countries, namely Benin Republic, Togo, and Niger Republic is driven by both diplomatic and economic considerations which in the long run are beneficial to Nigeria.

Under an international treaty, Nigeria is obligated to supply power to Niger Republic through which the River Niger passes. The idea of the international supply is because the water that is used for hydro-generation that forms part of our fuel mix comes from this international source. A bilateral agreement was, therefore, entered into that Niger Republic will not dam their part of the River Niger provided we are ready to supply the power at a good and affordable tariff. So that is what is happening.

Secondly, electricity supplied across our borders is not part of that required for local consumption; the quantum of electricity mapped out



150MVA 330/132/33kV power transformer at Kumbotso Transmission Substation installed by TCN engineers



under Multi Year Tariff Order (MYTO) is always available on the grid for offtake by the DisCos. This arrangement is equally beneficial to Nigeria because the country has a comparative advantage in terms of cheaper production. Selling electricity also enables Nigeria to generate employment and foreign exchange from power export.

Question: What are the major ways that TCN plans to continue the modernisation of the transmission and grid infrastructure, as well as expand the coverage of electricity in the country?

Answer: Optimization and reinforcement of the existing infrastructure to address the identified weaknesses in the system is our key strategy towards delivering more power to distribution load centres nationwide. While expansion is being pursued to cater to new and future demands, we would continue to upgrade our network components and build new substations and lines. These are to improve our capacity to move electricity more efficiently in anticipation of more load up-take by the DisCos. As I said previously, we

have recently completed some new transformers installation and reconductoring of lines in different parts of the country. Many more of these projects are ongoing.

We are also deploying modern technologies towards reducing losses to a lower single digit.

Question: What is your outlook for the Nigerian power market and the role that TCN will play in delivering a positive outlook?

Answer: The nation's power market is progressing, but more work still needs to be done by all participants in the power sector value chain, which are the generation, transmission and distribution sectors. There is an infrastructural deficit, especially in the distribution networks. TCN is already working on a massive overhaul of its network, rehabilitation as well as building new substations. Donor agencies are already playing massive roles in terms of funding for projects

which are already ongoing. Several of the projects have been completed and energized.

The transmission grid is becoming more stable as more projects are completed and connected to the grid. This is because we have intentionally undertaken several maintenance projects including spare part replacement, additional transformers installation, and are gradually revamping the entire system and of course we are doing these and much more with close attention to staff capacity building, which we have equally made a priority. We are training and re-training staff quarterly for effective electricity delivery.

As TCN continues to efficiently expand its capacity, grid efficiency and stability will continue to improve, further enhancing the deliverability of bulk electricity to distribution companies nationwide and positively impacting the national economy.

interview with Financial Nigeria

SERVICE LEVEL AGREEMENT

Risk And Mitigation

By Ali Grema Mohammed

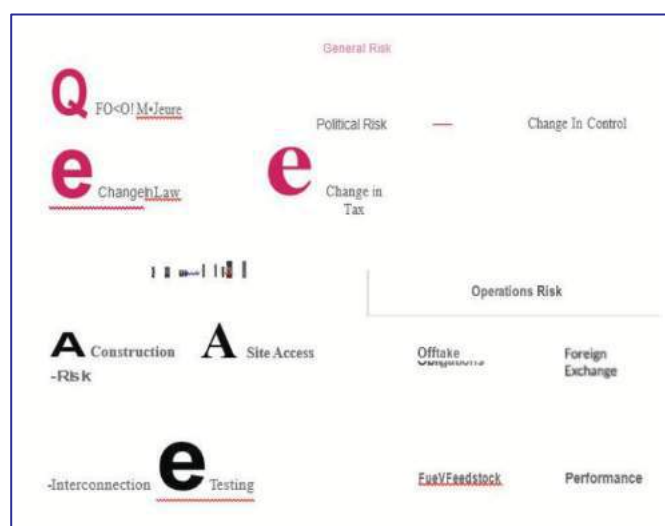
INTRODUCTION:

In the previous edition of TCN Transmission News, we brought you an overview of the Service Level Agreement (SLA) as it affects operators in the NESI generally. In this edition, we bring you the second part of the feature on SLA, focusing specifically on Risks and Mitigation as it affects TCN and its operations.

- Service Level Agreement (SLA) is an agreement that defines the level of service commitment between a service provider (TCN) and a client (DisCo), laying out the KPI and the penalties/remedies for not achieving the agreed-on service level.
- Risk? The chance of an actual outcome to differ from the expected outcome.
- A Good SLA is the allocation of realistic achievable improvement targets that will ensure both parties meet their obligated service performance target and in turn reduce the risks of penalties/remedies amongst contracting parties.

TYPES OF RISK

General Risk



Is SLA Legal?

EPSRA 76(5) (2)(e) In establishing tariff methodologies the Commission may differentiate among consumers based on differences in total electricity consumption, the periods in which electricity is consumed, load factors, power factors, voltage levels, location within the country and other such criteria as may affect the cost of providing a service and may allow a lifeline tariff for some consumers.

Section 10 A(f) of NERC/198/2020 Order of March 2020

"The operational performance of TCN shall be anchored on firm agreements with DisCos with Key Performance Indicators and financial remedies for non-performance by either party."

This section of the NERC Order gave birth to the TCN /DisCo SLA which is based on key performance indicators and financial remedies as stated in Section 10 (g) such as:

- Availability (hours of supply)
- Reliability (frequency and duration of interruptions)
- Quality (voltage and operating frequency)
- Liquidated Damages (Financial remedy)

Birth of SLA

Section 10 A(e) of NERC/198/2020 Order of March 2020 notes;

"A firm Improvement in supply by DisCos would require investment in reinforcing feeders, transformers and protection equipment."

"TCN shall be directed to align and prioritize its investments towards resolving transmission/distribution interface bottlenecks and reducing the high incidence of tripping at 132/33kV substations."

Offtake Obligation RISK

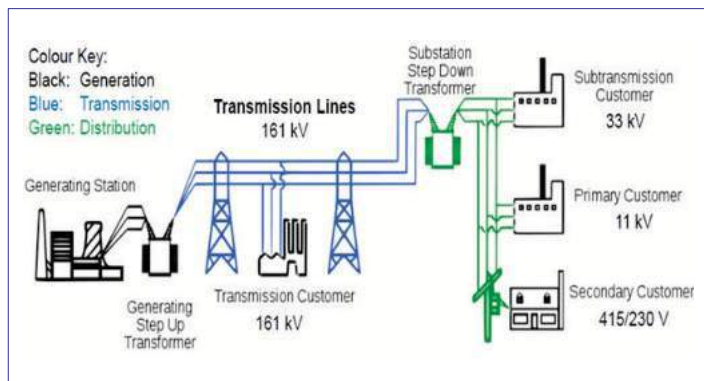
Offtake Obligation Failure; This will generally be structured as a failure of TCN to deliver the requested capacity or failure for a Disco to take the requested capacity;

The responsible party for the obligation failure is liable to pay for the quantity of deemed energy and capacity that was

never delivered or taken respectively.

Penalty

Where does SLA impact?



SLA and Service Reflective Tariff

Section F & G of NERC order NERC/198/2020 states;

"All DisCos shall be required to disaggregate their respective service areas and/or customers in accordance with the quality of service and supported by a proposal for "service reflective" tariff classes that shall be graduated by quality of service."

"All DisCos are directed to, no later than 30 June 2020, provide smart meters at 11kV and 33kV feeders level with the capability of sending real-time or near-real-time data to the Commission."

TCN Risk Mitigation;

- TCN shall immediately inform Disco about tripping of 33kV feeder and relevant information on the tripping.
- Any planned shutdown shall be informed the Disco at least one week in advance.
- Any change/rescheduling of a planned shutdown has to be communicated at least 24 hours in advance subject to system

security or emergency consideration as defined in the Grid Code.

- TCN shall authorize entry of DisCo authorized staff on a 24X7 basis to attend to breakdowns.

- TCN shall provide the control room desk number and a list of DisCo authorized staff along with their official contact numbers will be handed over to TCN.

- TCN shall immediately inform DisCo Substation concerned, about tripping of 33kV feeder along with time, load, & relay flagged (Type of Fault) along with fault current intensity.

How Do We Mitigate Performance Risk?

Capacity Testing and recording through;

- Feeders Historical Peak / data
- Feeders Periodic Testing
- Accurate Relay Coordination

DisCo Nominations (Hourly)

TCN/DisCos Failure to adhere

Accurate Communication, Reporting and Recording.

Force Majeure

If any event has a material adverse impact on a party's ability to discharge contractual obligations and the event is not the fault of the party seeking relief and is beyond the reasonable control of the party.

- Immediate reporting of Force Majeure

Types of Force Majeure

- Local Political Force Majeure,
- Foreign Political Force Majeure and
- Natural Force Majeure.

Insurance

- Liquidated Damages Value





Voulez-vous apprendre le français?

Do You Want to learn French?

ENGLISH	FRENCH
Please sit down	Asseyez – vous sil vous plait
Pass me the file	Passe moi le fichier
Read that document	Lire ce document
Do you want to eat?	Tu veux manger?
The restaurant is this way	Le restaurant est par ici
Where is the rest room?	Où sont les toilettes?
This is for ladies	Cette toilette est pour les dames
This is for gentlemen	Ces toilettes sont pour les messieurs
Your phone is ringing	Ton téléphone sonne
Pick up your phone	Décrochez votre téléphone
Where are you?	Où es-tu
I am in my office	Je suis au bureau
We will start the meeting now	Nous allons commencer la réunion maintenant
The minutes of the meeting	Le compte rendu de la réunion
Who will draft the communiqué?	Qui rédigerait le communiqué?
Please sign the document	Veuillez signer le document
We must submit it today	Nous devons le soumettre aujourd'hui

SHORT STORY



COCKROACH MANAGEMENT THEORY

At a restaurant, a cockroach suddenly flew from somewhere and sat on a lady. She started screaming out of fear. With a panic stricken face and trembling voice, she started jumping, with both hands desperately trying to get rid of the cockroach. Her reaction was contagious, as everyone in her group also got panicky.

The lady finally managed to push the cockroach away, but it landed on another lady in the group. Now, it was the turn of the other lady in the group to continue the drama. The waiter rushed forward to their rescue. In the relay of throwing, the cockroach next fell upon the waiter. The waiter stood firm, composed himself and observed the behavior of the cockroach on his shirt. When he was confident enough, he grabbed it with his fingers and threw it out of the restaurant.

Sipping my coffee and watching with amusement, the antenna of my mind picked up a few thoughts, and started wondering; was the cockroach responsible for their histrionic behavior? If so, why then was the waiter not disturbed? He handled it with near perfection, without any chaos.

It is not the cockroach, but the inability of those people to handle the disturbance caused by the cockroach, that disturbed the ladies.

I realized that, it is not the shouting of my father or my boss or my wife that disturbs me, but it's my inability to handle the disturbances caused by their shouting that disturbs me.

It's not the traffic jams on the road that disturbs me, but my inability to handle the disturbance caused by the traffic jam that disturbs me.

More than the problem, it's my reaction to the problem that creates chaos in my life.

Lessons learnt from the story: I understood, I should not react in life. I should always respond. The women reacted, whereas the waiter responded. Reactions are always instinctive, whereas responses are always well thought out.

A beautiful way to understand LIFE. A Person who is HAPPY is happy not because Everything is RIGHT in his Life...He is HAPPY because his Attitude towards Everything in his Life is Right! RESPOND TO ISSUES DON'T REACT, and keep winning...

DARE to EXCEL



By Dave Dipo Ifabiyi

Excellence and Productivity are generally the ambition and goal of any serious-minded person, who engages in any task, job, work, or endeavor. Therefore, for anyone to excel in a chosen career, work or task, certain inputs are necessary and should not be compromised. These include but are not limited to the following:

Knowledge and the love to continuously seek for and acquire knowledge, because retrogression sets in when you stop acquiring knowledge. The more you acquire knowledge in your chosen field and generally, the more you realize that you need to know even much more.

Diligence, Dedication to duty, Truthfulness, Trustworthiness, Teamwork, Perseverance, Innovation, Courage and readiness to take on tasks, Faith and Trust in God, Be at peace with all men. That isStay cool, Pray for Divine

assistance, always.

For all these to work in your favor, you must begrudge nobody and envy no one, because the sky is wide enough to accommodate all birds to soar, without collision. Also, hurt nobody, except within the company's rules and regulations, to ensure discipline and compliance. In addition, emulate those with high productivity and honesty of purpose, who can be your role models. Be a motivator, uphold world best practices, identify, appreciate and nurture talents within your team/workforce.

Eschew pride. It is the fast track to downfall. Be humble. Never hastily garbage a team-mate's suggestion. Take a second look at it. You might be able to think through it better than him or her, package it, and make it useful for the achievement of your team/ corporate goal. It is a true saying that, "if you want to go fast, walk alone. But if you want to

go far, go together". Teamwork is crucial to excelling.

When I was growing up, my parents impressed it on me to be diligent, honest, humble, respectful fear God and avoid the "get rich quick" syndrome. They said, learn and know the work first. Money will follow suit. They stressed that "Too much work doesn't kill a person but idleness does". Other lessons they taught us are: "Never dig a pit-hole for anyone as u can never tell if you would be the victim". "Remember the son of whom you are". That is, uphold personal integrity. "An orphan should avoid having a wound or sore on his back because no one will help him steam and dress it for quick healing".

So, everywhere I was privileged to work, I walked in as "Mr. Nobody". But by dint of hard work, honesty, and Divine Grace, I was discovered and nurtured to excel. In my profession, lobbying is a skill. But I said, "No to

lobbying”.

I was privileged to work with great men and women, who appreciated my talents and skills. I was Personal Assistant to MD's, Directors, General Managers, and travelled widely in the course of my assignment.

Likewise, it was a great honor for me to be the pioneer Principal Manager (Public Affairs) for the Distribution and Marketing Sectors, PHCN CHQ. Engr G.O.P. Osakue and Engr Bisi Oyinloye as Executive Directors for Distribution and Marketing respectively gave me a lot of inspiration. Later with Engr Mrs. Benice A. Lijofi as ED, Distribution, Engr Oyinloye as ED Operations and was succeeded by Engr John O. Ayodele, my tasks increased just as our teams' achievements were always appreciated.

My deployment to Transmission Company of Nigeria as the pioneer Head, Public Affairs, opened

another stream of challenges in my career. Engr G.O.P. Osakue, the then CEO had confidence in my capabilities. The second day I assumed duties, the CEO and I moved to Kaduna, where he supervised the installation of several transmission towers that had collapsed, disrupting power supply to parts of North Central and North Eastern part of Nigeria. The publicity was massive during the incident which created the much-needed awareness that TCN was on top of the situation.

My Public Affairs team in TCN became specialists in the official commissioning of transmission power projects and we became consultants to NIPP. We inaugurated an in-house news magazine, executed many community relations outreaches, and ensured good media coverage of TCN operations and events. We designed and launched a new logo for TCN after the

unbundling exercise and designed the company's website, etc.

In daring to excel, one must avoid distractions, jealousy, and the “drag him down” attitude from colleagues. You must develop your eyes to read everything thoroughly before signing off as OK because of possible sabotage. We avoided undue and over-exposure of our CEO/MDs in TCN to the media, because of inherent dangers and possible abuse. On the way to excel, I saw intrigue, back-biting, and outright confrontation displayed. God saved me from three possible plane mishaps, in one of them, our host Engr George Chiatula was thrown into panic having been informed we already took off from Enugu. But in all these, God was merciful and I enjoyed a graceful and glorious exit from the workplace. Glory be to Almighty God.

In conclusion, Jeanette Winterson said, “Best lesson of life is, listen to everyone. Because nobody knows everything but everyone knows something”. Also, the Scriptures say, “Better is the end of a thing than the beginning thereof, and the patient in spirit is better than the proud in spirit” Eccl 7:8.

**“Strength grows
in the moments
when you think
you can't go on
but you keep
going anyway.”**

PHOTO SPEAK



Ag. MD/CEO TCN, Engr. Dr. Sule Abdulaziz delivering the opening address at the hearing on dispute settlement between Market Operations and Market Participants



The Ag. MD/CEO, Engr Dr. Sule Abdulaziz on a working visit to inspect ongoing installation works at the 2x30/40MVA Transmission Substation, New Kano, Kano State. He charged the contractor to ensure that the project is completed on time.



Renovation of 30MVA 132 33kV Transformer at Ijora 132kV Transmission Substation by TCN engineers

DID YOU KNOW ???

That Keeping Your Mouse In The Same Spot Makes You Prone To Repetitive Strain Injury

If your mouse stays in the same spot all day, you can be prone to repetitive strain injury {RSI} upper-limb RSI occurs when your tendons are straining more than they should for long periods of time. Which can be because of movement repetition, a sustained awkward position, or prolonged pressing against hard surfaces. Smartphone overuse may eventually weaken your hands and wrists. People who use their smartphones heavily to text and email are prone to muscle fatigue and iPhone thumb, which is a type of RSI. The effects can get so bad that the

pain can reach all the way up to your wrist and can be utterly debilitating to your hands

That Dirty Keyboards Are As Dangerous As E. Coli and Coliforms

Keyboards can be a breeding ground for bacteria if not kept clean. Micro –biologists found that keyboards can even have up to live times as many bacteria as a bathroom, and can include dangerous ones like e. coli and coliforms both commonly associated with food poisoning along with staphylococcus, which causes a range of infections.

BEHIND EVERY SUCCESSFUL MAN



A group of tourists visited a Crocodile Farm and were on a floating structure in the middle of a pool with many huge crocodiles. The owner of the Crocodile Farm threw a challenge to his guests: "Whoever dares to jump in, swim to the edge and survive, will be rewarded with \$100 US Dollars.

The silence was deafening... "No one dared to move." Suddenly, a man jumped into the pool. He was chased by the crocodiles.. but with luck, he eventually made it out of the pool, to the admiration of the other guests.

The owner of the Crocodile Farm announced.. "We have a brave winner"

After collecting his reward and all was over, the couple went back to their hotel room.

The "brave man" said to his wife, "I did not jump in... SOMEONE PUSHED ME" !

His wife smiled and coolly said, " it's me"

So there you have it!

It's true of the phrase that says... "Behind every successful man, is a woman".

This woman.. PUSHED !!



BEFORE THE SKY GETS DARK

The last stretches of life's journey will gradually get dimmer and dimmer, naturally, it will be harder to see the path ahead that you are treading towards, and it will be harder to keep going forward. As such, upon turning 60, it would do us all well to see life for what it is, to cherish what we have, to enjoy life whilst we can, and not to take on society's troubles or your children's and grandchildren's affairs on for yourself. Stay humble, don't act superior on account of your own age and talk down to others- this will hurt yourself as much as it will hurt others. As we get older, all the better should we be able to understand what respect is and what it counts for. In these later days of your lives, you have to understand what it means, to let go of your attachments, to mentally prepare yourself. The way of nature is the way of life, go with its flow, and live with equanimity.

For all of us, a nice read, very beautiful, very true!

Hardly the day started and. it is already six o'clock in the evening.

Barely arrived on Monday and it's already Friday.

and the month is almost over.
and the year is almost up.
and already 50 or 60 or 70 years of our lives have passed.
and we realize that we lost our parents, friends.
And we realize that it is too late to go back.

So let's take full advantage of the time we have left.
Let's not stop looking for activities that we like.
Let's put color in our grayness.
Let's smile at the little things in life that put balm in our hearts.

And yet, we must continue to enjoy serenely the time that remains.
Let's try and eliminate the after.
I do it after
I will say after

I will think about it "after".
We leave everything for "later" as if "after" is ours.

Because what we do not understand is that:

After, the coffee cools.
After, priorities change.
After, the charm is broken.
After, health passes.

After, the children grow up.
After, the parents get older.
After, the promises are forgotten.
After, the day becomes the night.
After, life ends.
And all that "after", we find it's often too late.

So leave nothing for "later"..
Because in always waiting for later, we can lose the best moments,
The best experiences,
The best friends,
The best family.
The day is today. The moment is now.

We are no longer at the age where we can afford to postpone until tomorrow what needs to be done right away,

So let's see if you'll have time to read this message and then share it.

Or maybe you'll leave it for, "Later".
And you will not share it "over".

Even share with those who are not yet "senior".

May you be well and happy.

Culled from the net

TCN REGIONS AND WORK CENTERS

Regions	Sub-regions /Work Centers	330/132kV Substations	132/33kV Substations
KANO	Kano Sub-region	Kumbotso 330/132kV T/S	Kumbotso 132/33kV S/S
			Dakata 132/33kV S/S
			Dan-Agundi 132/33kV S/S
	Katsina Sub-region		Kwana-Dangora 132/33kV S/S
			Wudil 132/33kV S/S
			Tambarawa 132/33kV S/S
	Dutse Sub-region		Katsina 132/33kV S/S
			Daura 132/33kV S/S
			Kankia 132/33kV S/S
OSOGBO	Osogbo Sub-region	Osogbo 330/132/33kV T/S	Dutse 132/33kV S/S
			Hadejia 132/33kV S/S
			Gagarawa 132/33kV S/S
	Ayede Sub-region	Ayede 330/132/33kV T/S	Azare 132/33kV S/S
			Osogbo 132/33kV S/S
			Ofo 132/33kV S/S
	Akure Work Center		Illesha 132/33kV S/S
			Ife 132/33kV S/S
			Ayede 132/33kV S/S
	Ganmo Sub-region	Ganmo 330/132/33kV T/S	Jericho 132/33kV S/S
			Ibadan North 132/33kV S/S
			Iwo 132/33kV S/S
PORT HARCOURT	Port Harcourt Sub-region		Iseyin 132/33kV S/S
			Ijebu-ode 132/33kV S/S
			Sagamu 132/33kV S/S
	Afam Sub-region	Afam IV 330kV T/S Afam V 330kV T/S Afam VI 330kV T/S	Mcperson 132/33kV S/S
			Ado-Ekiti 132/33kV S/S
			Akure 132/33kV S/S
	Aba Sub-region	Alaoji GS 330/132kV T/S Alaoji GS 330/132kV T/S	Ganmo 132/33kV S/S
			Ilorin 132/33kV S/S
			Omuaran 132/33kV S/S
	Owerri Work Center	Adiabor 330/132kV T/S Odukpani 330/132kV T/S	Port Harcourt Main 132/33kV S/S
			Port Harcourt Town 132/33kV S/S
			Elelenwon 132/33kV S/S
	Calabar Sub-region		Rumuosi 132/33kV S/S
			Yenagoa 132/33kV S/S
			Ahoda 132/33kV S/S
	Uyo Work Center	Ikot Ekpene 330/132kV T/S	Afam IPP 132/33kV S/S
			Alaoji 132/33 kV S/S
			Aba 132/33kV S/S
Benin	Benin South Sub-region	Benin 330/132KV T/S	Umuahia 132/33kV S/S
			Owerri 132/33kV S/S
			Calabar 132/33kV S/S
	Ihovbor Work Centre	Ihovbor 330/132kV TS	Adiabo 132/33kV S/S
			Odukpani PS 132/33kV S/S
			Itu 132/33kV S/S
	Sapele Work Centre	Sapele 330/132KV T/S	Uyo 132kV S/S
			Eket 132/33kV S/S
			Ibom PS 132/33kV S/S
	Delta Sub-region	Delta 330/132KV T/S Aladja Steel 330/132KV T/S	Ekim 132/33T/S
			Benin 132/33KV S/S
			Irrua 132/33KV S/S
ENUGU	Omotosho Sub-region	Omotosho phase 330/132/33KV T/S	Oghara 132/33KV S/S
			Auchi 132/33KV S/S
			Ihovbor 132/33kV S/S
	Enugu Sub-region	Enugu 330/132kV T/S Ugwuaji 330/132kV T/S	Okada 132/33kV S/S
			Amukpe 132/33kV S/S
			Effurun 132/33kV S/S
	Onitsha Sub-region	Onitsha 330/132kV T/S	Delta 132/33KV S/S
			Afisere 132/33kV S/S
			Ozoro 132/33kV S/S
	Asaba Work centre	Asaba 330/132kV T/S	Omotosho 132/33kV S/S
			Ondo 132/33kV S/S
			New Haven 132/33kV S/S
	Apir Sub-region	Makurdi 330/132kV T/S	Nkalagu 132/33kV S/S
			Abakiliki 132/33kV S/S
			New Nsukka 132/33kV S/S

REGIONS & WORK CENTERS

KADUNA	Kaduna Sub-region	Mando Road 330/132kV T/S	Mando Road 132/33kV S/S Kaduna Town 132/33kV S/S Zaria 132/33kV S/S
	Gusau Works Centre		Gusau 132/33kV S/S Talata-Mafara 132/33kV S/S Funtua 132/33kV S/S
	Birnin Kebbi Sub-region (Proposed)	Birnin Kebbi 330kV T/S	Birnin Kebbi 132kV S/S Sokoto 132kV S/S
	Shiroro Sub-region	Shiroro 330kV T/S	Shiroro 132kV S/S Shiroro II 132kV S/S Minna 132kV S/S
	Jebba Sub-Region	Jebba 330kV PS Jebba 330kV T/S	Jebba 132kV S/S Bida 132kV S/S
SHIRORO	Kainji Works Center	Kainji Fakun 330kV T/S Kainji 330kV PS	Dogon gari (Kainji) 132kV S/S
	Kontagora Works Center		Tegina 132kV S/S Kotangora 132kV S/S Yauri 132kV S/S
	Gombe Sub-Region	Gombe 330/132kV substation	Gombe 132/33kV substation Ashaka 132/33 kV substation Potiskum 132/33kV substation Biu 132/33kV substation
	Jos Sub-Region	Jos 330/132kV substation	Jos 132/33kV substation Makeri 132/33kV substation Pankshin 132/33kV substation Kafanchan 132/33kV substation Bauchi 132/33kV substation
BAUCHI	Yola Works Centre	Yola 330/132kV substation	Yola 132/33kV Savannah 132/33kV substation Mayo Belwa 132/33 kV substation Jalingo 132/33kV substation
	Maiduguri Works Centre	Nil	Maiduguri 132/33kV substation Damboa 132/33kV substation
	Akangba Sub-Region	Akangba 330/132kV substation	Akangba 132/33kV substation Ijora 132/33kV substation Ilupeju 132/33kV substation Isola 132/33kV substation Itire 132/33kV substation Ojo 132/33kV substation
	Ikeja-West Sub-Region	Ikeja-West 330/132kV substation	Ikeja West 132/33kV substation Ayobo 132/33kV substation Alimosho 132/33kV substation Ogba 132/33kV substation Alausa 132/33kV substation Ejigbo 132/33kV substation Agbara 132/33kV substation
LAGOS		Oke-Aro 330/132kV substation	Oke-Aro 132/33kV substation
	Papalanto Sub-Region	Olorunsogo 330/132kV substation 1 Olorunsogo 330/132kV substation 2	Papalanto 132/33kV substation Otta 132/33kV substation Abeokuta 132/33kV substation
	Egbin Sub-Region	Egbin 330/132kV substation	Egbin 132kV substation Ikorodu 132/33kV substation Maryland 132/33kV substation
	Aja Sub-Region	Aja 330/132kV substation Lekki 330/132kV substation	Aja 132/33kV substation Lekki 132/33kV substation
		Alagbon 330/132kV substation	Alagbon 132/33kV substation Akoka 132/33kV substation Owarosaki 132/33kV substation Amuwo-Odofin 132/33kV substation Apapa Rd 132/33kV substation
	Abuja Sub-region	Katampe 330/132kV T/S	katampe 132/33kV S/S Kukwaba 132/33kV S/S Central Area 132/33kV S/S Kubwa 132/33kV S/S Suleja 132/33kV S/S Keffi 132/33kV S/S Apo 132/33kV S/S Karu 132/33kV S/S Akwanga 132/33kV S/S
	Gwagwalada Sub-region	Gwagwalada 330/132kV T/S	Gwagwalada 132/33kV T/S
	Ajaokuta Sub-region	Ajaokuta 330kV T/S	Ajaokuta 132/33kV S/S Okene 132/33kV S/S Okpela 132/33kV S/S
ABUJA		Lokoja 330kV T/S	Lokoja 132/33kV
		Geregu 1 330kV T/S	
		Geregu 11 330kV T/S	

SOCIALS



2nd Left, Ag. MD/CEO TCN, Engr. Dr. Sule Abdulaziz, during his birthday; Others ED ISO, ED F&A, and ED TSP



Mrs Maryan Woru, Officer III (Procurement), CHQ, and her husband



Mr Uchenna, Officer IV (HR), Enugu Region, and his wife

NOVELTY FOOTBALL MATCH: NCC OSOGBO LOST 2-0 TO EGBIN POWER PLC

By Omideji Oluwakayode



The National Control Center (NCC), Osogbo, recently organized a novelty football match between the NCC Oshogbo football team and Egbin Power football team at the City Stadium Oshogbo, Osun State.

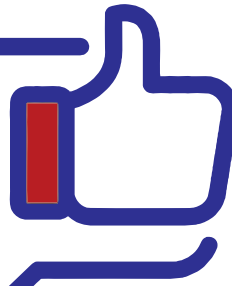
Speaking with our reporter, the General Manager (NCC), Osogbo, Engr. Balarabe Abdullahi, said the novelty football match was organised to enhance social relationships, interpersonal affiliation and co-existence among TCN staff and staff of Egbin Power Plc;. He opined that games are helpful, especially for some category of staff that sit for very long hours in their offices.

Commenting on the match, the Acting CEO, Egbin Power Plc, Engr. Olurotimi Famoroti, said that such match fosters better relationships between critical partners within the electricity sector. Creating time for leisure is good as "all work and no play truly makes Jack a dull boy, also the National Control Center and stakeholders in the power sector have been working hard to ensure power delivery to Nigerians and it is therefore not out of place to take some time off to play and exercise", he said.

On his part, NCC football team coach, Mr. Abdulrasheed Adeleke, appreciated the TCN Management for the unique opportunity to participate in the novelty match and promised that the NCC team would win the second leg of the novelty match. He commended the Egbin team, whom he said had always been a formidable football team since the era of the defunct PHCN up till now.

TCN's NCC Osogbo team lost by 0-2, to the Egbin team. For TCN, the football match was the first of its kind since the privatization of the Generation and Distribution companies in 2013.

FEEDBACK PAGE



Transmission Company of Nigeria

Published by Instagram · 15 September at 18:17 · Instagram · ...

The Ag. MD/CEO and Management team of TCN, today briefed the Honourable Minister of Power Engr. Abubakar D. Aliyu, on TCN's activities, including areas of priority, the status of implementation of ongoing projects, challenges, and way forward. The briefing was held at the office of the Honourable Minister of Power, Power House, Abuja.



Bolanle Adetiran

The participants should make best use of this training for greater improvement in TCN.



Transmission Company of Nigeria

Published by Instagram · 17 August · Instagram · ...

TCN hosts Management retreat themed; Managing change in a reviewed organization" at Ibom Icon Resort, Awka Ibom state. (August 12th - 14th 2021)



Ibrahim B. Rurum

Keep it up TCN, your persistence sacrifice to the nation is well acknowledged and appreciated.



Saifullahi Sani Matazu

With team work you can eradicate energy poverty in Nigeria. Keep the good work our able TCN boss.



Transmission Company of Nigeria

Published by Instagram · 29 July · Instagram · ...

Press Release: TCN Restores the Nation's Grid



Usman Musa Tumsah

Well done. As much as we like to criticise, we must also learn to commend the good work you are doing.



Choji Tosanwumi Pwot

I know you guys have numerous challenges. Keep working. We all appreciate you.



Transmission Company of Nigeria

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Amadi Itiri Uche

Get the same briefing from all the stake holders: Gencos, Discos, NERC, NEMSA etc and prepare your road map to get the Power Sector moving. Take a tour of all key facilities to make proper recommendations to Mr President. Best of Luck Honourable Minister of Power.

Like · Reply · 2 w



Transmission Company of Nigeria

Published by Instagram · 6 September at 18:41 · Instagram · ...

The New Minister of Power, Engr. Abubakar D. Aliyu FNSE, the Jarma Potiskum, formally met with Directors of the Ministry and Heads of Parastatals under the Ministry of Power, today at Power House, Maitama, Abuja.



Akaso Tuesday

Congratulations sir, on your appointment and assumption of office. May you never lack wisdom and knowledge to act in this highly exalted office.

Like · Reply · 4 w

STOP!

*Before You Buy Those Cables,
Tower Parts, Angle Irons,
And Transformers,
Be Sure You
Know Their Source...*



*Buying stolen equipment is as bad as stealing them yourself.
Every TCN equipment vandalized and sold,
amounts to sabotage to the nation
SO...*

- Be security conscious always
- Report all questionable movement around TCN installations
- Don't destroy/steal power equipment.
- Don't aid or abet anyone doing so.
- Don't buy vandalized items.
- Shun illegal activities impeding power supply.

Stop the vandals...!

*Report all suspicious activities around power installations
to security operatives or TCN offices closest to you.*

It is your civic duty to Nigeria



...transmitting electricity in the most efficient and effective manner