



NEWSLETTER

TRANSMISSION COMPANY OF NIGERIA (TCN)



- Ministry of Power inaugurates committee to restructure Departments, oversight its agencies
- WAPP sets up technical committee on commercial transactions for North Core Project
- ECOWAS discusses roles on implementation of WAPP North Core projects
- TCN creates new Katsina and Jalingo Work Centers

MINISTRY OF POWER INAUGURATES COMMITTEE TO RESTRUCTURE DEPARTMENTS, OVERSIGHT ITS AGENCIES

By Stanford Nneji



Engr. Mamman stressed that “there was need to straighten and harmonize all the departments, units and agencies in the matter that will yield positive outcome and overcome the institutional challenges that pose significant risk to the government overall strategy. The institutions of the ministry must be well enforced to enhanced coordination within the sector and deliver on key central initiatives being amount to the sector”.

He therefore calls on all hands to be on desk in order to respond to the sector's challenges and deliver on its mandates.

The Minister of Power, Engr. Sale Mamman has inaugurated a nine man committee to restructure the existing departments within the ministry to align with its mandate as well as streamline the oversight function of its agencies, for better service delivery in the power sector.

The nine man committee under the chairmanship of the Permanent Secretary, Federal Ministry of Power Mrs. Didi Walson-Jack, mni was inaugurated on Thursday, 27th August 2020, at the Conference room of the ministry's headquarters, Abuja.

Speaking at the occasion, Engr. Mamman said the restructuring has become important in order to foster team work among the relevant departments. “This significant undertaking is bound out of needs to create bonding and team work among the relevant departments, units and strengthen oversights of the agencies, which are critical factors for achieving the Ministry goals, objectives and overall mandates”, he said.

According to him, “The power sector is in the process of undergoing long term structural marketing form and it has gone through the first phase of privatization. With the hope of unlocking investment and improving service delivery in the sector”.

He noted that that despite the privatization, the sector was still struggling with critical challenges such as structural misalignment, central coordination issues, market inefficiency and abandoned or stagnated projects.

The committee was given term of references which include; to examine the existing factor of the department in the ministry and streamline them to align with the department's mandate; to examine and streamline the oversight function of the agencies by the department referring that the departments to oversee the agencies, have the requisite level of administrative and technical knowledge and specifications; design the template for uniform oversight of the agencies and make any other recommendations that will enhance the effective and efficient administration of the ministry and her agencies.

Members of the committee include; the Director, Planning, Research and Statistics, Federal Ministry of Power, Mrs. Amonia A. Estafus, the Director RS & SIS, Federal Ministry of Power Mr. Ben Chukwu, Director, Legal, Federal Ministry of Power Mr. Clement O. Osun and Engr. C.C. Onyeneke, Director, Electrical Department of Engineering Services, Federal Ministry of Works and Housing.

Other members are Mr. Umaru Amadu, Deputy Director, Organizing and Design, Office of the Head of Civil Service of the Federation – Member, Mr. Usman Musa Yola, Senior Special Assistant to the Honourable Minister, Federal Ministry of Power, Mr. Aliyu Abba, Special Assistant to the Honourable Minister, Federal Ministry of Power and Miss. Defe Adeseni, Director HR, Honourable Minister, Federal Ministry of Power – Member.

WAPP SETS UP TECHNICAL COMMITTEE ON COMMERCIAL TRANSACTIONS FOR NORTH CORE PROJECT

By Eric Ephraim Ene

The West African Power Pool (WAPP) has set up an ad hoc Technical Committee on Commercial Transactions that would be responsible for the implementation of all activities for the



competitive selection of power supplier(s) from Nigeria, as well as the conclusion and signature of Power Purchase Agreements and Transmission Service Agreements for the North Core Project.

The Committee, which comprises of four representatives from NIGELEEC, SONABEL, SBEE, CEET, CEB, TCN and one representative each from the ministries in charge of Power (Energy) of Nigeria, Niger, Burkina Faso, Benin and Togo, and a representative of the ministry of Finance of Nigeria, was set up on Friday, 7th August 2020, during the 3rd virtual meeting of the Joint Supervision Committee (JSC) on the North Core Project. Participants at the meeting include the Secretary General of WAPP, Mr Ki Sengui, and the heads of other power utility firms of member countries.

The committee is to be known as “Commercial Transactions Technical Committee-Northcore” (CTTC-NC).

The primary task of the CTTC-NC is to ensure

that for the first commercial transactions on the North Core project, suitable power supplier(s) from Nigeria are competitively as well as transparently selected, and that acceptable Power

Purchase Agreements (PPA) and Transmission Service Agreements (TSA) are finalized and signed by the parties before the signature of the works contracts.

The JSC, in a communiqué issued at the end of the meeting adopting the Terms of Reference for the CTTC-NC, also charged the CTTC-NC to ensure that in the selection process, all prospective bidders must be members of WAPP or have executed an engagement to be members of WAPP at the time of signature of the PPA.

The Terms of Reference, among other things, mandates the CTTC-NC to manage the bidding processes for selecting the power suppliers, including to launch the bidding documents, open the proposals received, and evaluate such proposals.

The CTTC-NC, at the end of the process, would make recommendations on the most responsive bidders to the JSC for endorsement, as well as conclude the execution of PPAs between the selected supplier(s) and the off-takers, and the execution of TSAs between the concerned utilities responsible for transmission services

and the Off-takers.

The JSC further charged the CTTC-NC to take into account the needs and expectations of the concerned utilities with regards to power trading through the North Core project, while at the same time recognizing the evolution of the regional electricity market. The activities of the committee will be funded by the World Bank.

The implementation of North Core Project, which entails the construction of a 330 kV transmission line of 875 km that spans from Nigeria to Burkina Faso through Niger and Benin as well as a 225 kV transmission line of 24 km in Burkina by WAPP, seeks to improve efficient and stable regional electricity supply system for member countries.



Cross section of participants at the meeting

POWER SECTOR RECORDS NEW IMPROVED ALL-TIME PEAK OF 5,420.30MW

The Nigerian Power industry has achieved yet another improved all-time national peak of 5,420.30MW, which was effectively transmitted through the national grid at a frequency of 50.10Hz at 9:15pm, August 18, 2020.

This is the highest ever recorded in the nation's power sector to-date, surpassing the previous peak of 5,377.80MW recorded on the 1st of August, 2020, by 42.50MW.

The gradual but steady improvement in

electricity delivery in the nation's power sector is attributable to the keen interest of the current administration of President Muhammadu Buhari in piloting programmes and projects geared towards growing the power sector as well as the collective effort of all power sector players in the value chain.

TCN is committed to working assiduously to further stabilize, rehabilitate and expand the grid and urge Nigerians to lend their support by safeguarding electricity installations nationwide.

TCN CREATES NEW KATSINA AND JALINGO WORK CENTERS

The Transmission Company of Nigeria (TCN) has carved out two new Work Centers, one each in Katsina and Jalingo under TCN's Kaduna and Bauchi Regions respectively. The Work Centers were created to further decentralize its services to improve the company's operational efficiency and ensure more proactive solution to interface issues within the Kaduna and Yola Disco franchise areas.

The new Katsina Work Centre comprises three (3) transmission substations namely; the 2x30MVA 132/33kV Katsina Substation, 2X30MVA Kankia Substation and 2x40MVA Daura Substation, with a total installed capacity of 200MVA at 132kV level.

Katsina Work Center equally has five (5) ongoing substation projects; 2x150MVA, 330/132KV and 2x60MVA, 132/33KV in Katsina, 2x60MVA, 132/33kV substation projects in Kurfi, Kankara Dutsinma and Malumfashi Local Government Areas. The Work Center equally has a proposed

2x60MVA 132/33kV transmission substation at Mashi LGA which is yet to commence. Katsina Work Center receives supply through the Kano 132kV lines 1 and 11.

The new Jalingo Works Center in Jalingo Taraba State on the other hand, receives supply through the Yola Sub-region transmission substation at 132kV level.

The new Work Centre is made up of four (4) substations including the 2x30/40MVA 132/33kV substation, Jalingo, 2x60MVA 132/33kV substations in Wukari and Takum and the 2x7.5MVA 132/33kV substation in Kashimbila, with a total installed capacity of 335MVA transformer capacity.

TCN assured that it would continue to work assiduously to rehabilitate and expand the nation's transmission network to ensure a more efficient and effective transmission of bulk electricity to distribution load centers nationwide.



ECOWAS DISCUSSES ROLES ON IMPLEMENTATION OF WAPP NORTH CORE PROJECTS

By Stella Ejikonye

The Economic Community of West African States (ECOWAS) has expressed interest in urgently improving electricity projects in the region, especially transmission, to enable a more efficient implementation of power trade between member states.

This was made known by the Commissioner for Energy & Mines for ECOWAS, Mr. Douka Sediko when he paid a courtesy visit to the Ag. MD/CEO of TCN Engr. Sule Ahmed Abdulaziz recently in his office at TCN Corporate Headquarters, Abuja. His visit was to give the new Ag. MD/CEO TCN an overview of the activities of the ECOWAS Department of Energy and Mines and the various directorates and agencies under it, as well as to discuss the North Core project which is the interconnection between Nigeria, Niger, Benin and Burkina Faso.



A group photograph

According to him, the Energy and Mines Department of ECOWAS Commission, through its directorate in charge of Energy, supervises several specialized agencies including the West African Power Pool (WAPP), the ECOWAS Regional Electricity Regulatory Authority (ERERA), and the Eco-Center for Renewable Energy and Energy Efficiency (ECREE). The major role of the department, he said, is the coordination, facilitation, operation and harmonization of policy.

Mr Douka Sediko further explained that in December 2018, ECOWAS adopted the WAPP Masterplan, which includes 75 projects among which is the North Core project that interconnects Nigeria, Benin and Niger-Burkina Faso. His office, he said, also participated in the launching of Regional Electricity Market in June, 2018.

Soliciting for mutual cooperation and partnership with TCN on issues of cross border trade, transmission projects and improved power along lines between Katsina – Gusau – Maiduguri – Niger, Douka noted that 85% of electricity supply to Niger Republic comes from Nigeria.

He also disclosed that very soon a draft new regional energy policy would be submitted to TCN for input and thereafter sent for approval by the Heads of Government of ECOWAS.

On his part, the Ag. MD/CEO of TCN, Engr. S. A. Abdulaziz, commended the Commissioner and his team for the timely visit, and assured him of TCN's commitment to the implementation of the North Core projects.

He reiterated TCN's efforts in the implementation of WAPP projects, and noted that the major challenge delaying the completion of the projects is insecurity stemming from incessant Boko-haram attacks, a situation that was not envisaged at inception.

He disclosed that a consultant was hired to review the challenge, and that the report has been submitted to the Minister of Power and to TCN. The Minister has also directed TCN to review the submitted report from the consultant before it is submitted to the federal government.

He solicited the cooperation of the ECOWAS Commission in the implementation of the projects to avoid delay, and promised his full commitment to achieving the aim of the projects.



TCN REITERATES ITS COMMITMENT TO COMPLETE POWER PROJECTS IN KANO

By Maimuna Isah-Ladan

The Transmission Company of Nigeria (TCN) has disclosed that work has resumed on the abandoned 2x40MVA 132/33kV Walalembe Substation in Kano State.

This was made known by the Assistant General Manager (Transmission), Kano, Engr. M.K Bello, while receiving members of the House Committee on Power. He said that TCN is committed to completing the 2X40 MVA Walalembe Substation as well as the 2X60MVA, 2x150MVA 132/33kV Substations in Rimin Zakara and Ungogo Local Government Areas of the state.

The Chairman of the House Committee on Power, Honourable Magaji Da'u, said they were in the state to inspect ongoing projects as part of their oversight functions, and at instruction of the Speaker of the House of Representatives Hon. Femi Gbajabamila.

He explained that the Walalembe power project, initiated 16years ago, was designed to enhance supply to Dakata industrial area and its environs while Rimin Zakara substation project would address epileptic power supply and enhance distribution in Kano metropolis.

He charged TCN to put all hands on deck to make sure the project is completed by December 2020. Honourable Da'u also assured that funds for the project would be made available. He said the House of Representatives is committed to fast tracking speedy completion of power projects for sustainable social and economic development in the country.

In his response, the Assistant General Manager, Transmission, Kano Region, disclosed that the evaluation for the project had been concluded for close to two years now and an agreement reached between

TCN and the Kano state government. Under the terms of the agreement, he said, TCN would pay the compensation for the lands while the state government would pay compensation to those whose land would be affected by the projects. TCN, he continued, is waiting for allocation of the land from the state government to kickstart the projects. The offshore materials for the Walalembe substation are 100 percent ready. He commended the committee for its support and assured of the readiness of TCN to ensure completion of projects within stipulated time.

While addressing newsmen, the Chief Technical Officer, Kano Electricity Distribution Company (KEDCO), Engr. David Omoleye, noted that the completion of the projects would not only address epileptic power supply, but would as well boost socio economic activities in the state.

NEMSA

**IS COMMITTED TO CHECKING
SUBSTANDARD
POWER EQUIPMENT TO
ENHANCE SUITABLE
ELECTRICITY SUPPLY**

By Stanford Nneji

transmission lines, and substations as well as distribution networks to ensure that they are in good condition to generate, transmit, distribute and deliver reliable and safe electricity to Nigerians.

Speaking on the recently launched Nigerian Electrical Installation and Construction guidelines manual by NEMSA, Engr. Ewesor said the manual will serve as a guideline that specifically gives a detailed description on the procedures and processes for carrying out electrical installations, as many industry players do not fully understand NEMSA regulations.

The Managing Director and Chief Executive Officer of Nigerian Electricity Management Services Agency (NEMSA), Engr. Peter Ewesor has said that the main function of the agency is the enforcement of technical standards and regulations, technical inspections, testing and certification of all categories of electrical installations, including electricity meters and other electrical instruments. This is to ensure the efficient production and delivery of safe, reliable and sustainable electricity power supply, as well as ensure safety of lives and properties in the Nigeria Electricity Supply Industries (NESI) and other allied industries.



Engr. Peter Ewesor, MD/CEO NEMSA

Engr. Ewesor who made this known in an interview recently in Abuja, said that NEMSA is a creation of law designed to enforce technical standards and regulations prescribed or published by the Regulator and other statutory bodies like Standard Organization of Nigeria (SON), specifically as it affects electricity installation.

According to him, NEMSA will continue to serve the country by taking positive steps in regularly carrying out periodic inspections, monitoring and assessment of power plants, installations,

On certification of electrical contractors, he said it is very important in the power industry because execution of electricity projects, which include installation, wiring, etc. can cause great havoc, if not properly done. “We must ensure that the technical personnel, especially electrical contractors, are

qualified to do the job”.

He appealed to electricity consumers to use qualified and competent, certified electrical contractors and to also ensure adequate earthing system to safeguard installation system, urged them to desist from building under high tension lines.

NEMSA, he informed, has been collaborating with all relevant agencies and stakeholders in the power sector in areas of continuous education of the general public on the consequences of abuse and usage of substandard electrical materials, and warned that the technical personnel, especially electrical contractors who work in the industry, are qualified and competent.

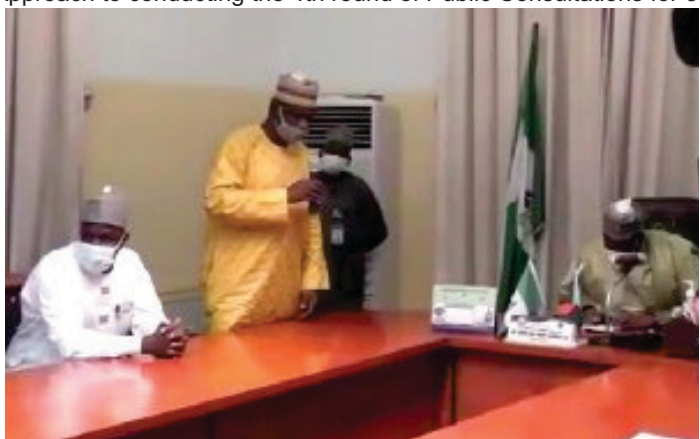
GENERATING FACILITIES COMMISSIONED FROM 1965 TO 1995

S/N	STATION	UNIT INSTALLED	RATING OF UNIT	YEAR COMMISSIONED
1	KAINJI (HYDRO)	1G7-1G10 1G11-1G12 1G5 – 1G9	4 X 80MW 2 X 100MW 2X 120MW	1968 1976 1978
2	JEBBA (HYDRO)	2G1 – 2G6	6 X 90MW	1978
3	SHIRORO (HYDRO)	3G4 3G1 – 3G3	1 X 150MW 3 X 150MW	1989 1990
4	EGBIN (THERMAL)	ST1 – ST2 ST3 – ST4 St5 – ST6	2 X 220MW 2 X 220MW 2 X 220MW	1985 1986 1987
5	SAPELE (THERMAL)	St1 – ST6 Gt1 – G4	6 X 120MW 4 X 75MW	1978 1981
6	DELTA I (THERMAL)	Gt2	1 X 36MW	1966
	DELTA II	GT3 – GT14	6 X 20MW	1975
	DELTA III	Gt9 – GT14	6 X 20MW	1978
	DELTA IV	Gt15	1 X 100MW	1989
		Gt16 – GT20	5 X 100MW	1990
7	AFAM I (THERMAL)	Gt1 Gt3 – GT4	1 X 10.3MW 2 X 17.5MW	1965
	AFAM II (THERMAL)	Gt9 – GT8	4 X 23.9MW	1976
	AFAM III (THERMAL)	Gt19 – GT12	4 X 27.5MW	1978
	AFAM IV	Gt13 – GT18	6 X 75MW	1982
8	IJORA (THERMAL)	Gt4 – GT6	3 X 20MW	1978

PHOTO PAGE



Mgt. of TCN in a visual meeting with board members and heads of utilities of WAPP. The meeting reviewed and adopted a Methodological Approach to conducting the 4th round of Public Consultations for 330kV Nigeria-Benin Interconnection Reinforcement Project



TCN team led by the MD/CEO, TCN Engr. Sule Abdulaziz, paid a courtesy visit to the Executive Governor of Kano State, Alh. Umar Ganduje, Discussions were on Transmission projects in the state.



The Executive Director, Independent System Operator, Engr. Mamman Lawal address System Operators before the commencement of a five-day workshop titled, 'Understanding Power Purchase Agreements'



TCN's System Operations interactive session on the new Service Level Agreement (SLA) era in NESI which targets adequate and reliable service delivery between TCN and Discos.



POOR MAINTENANCE CULTURE, BANE OF SUSTAINABLE DEVELOPMENT

By Engr. G. Nwokoye

KEY DEFINITIONS:

MAINTENANCE: Is the process of preserving a condition or situation or the process of keeping something in good condition.

SUSTAINABLE: Able to be maintained at a certain rate or level, able to upheld or defended.

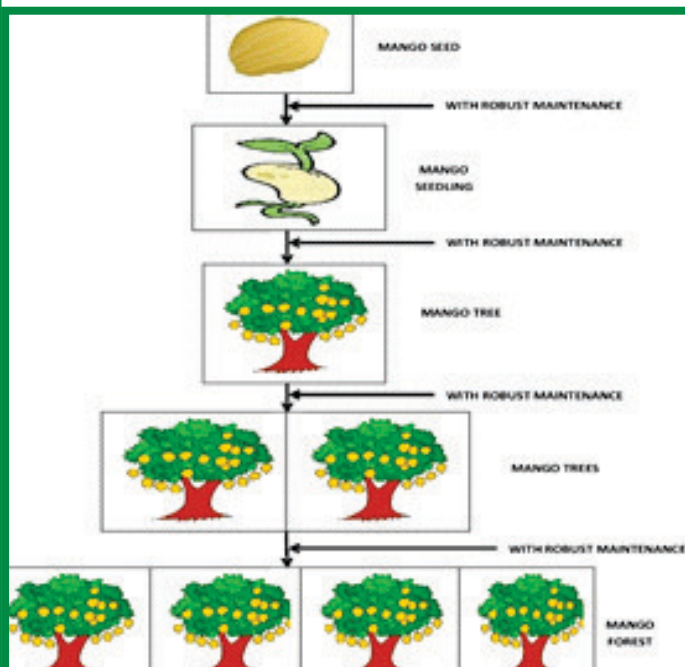
DEVELOPMENT: State of growth or advance.

SUSTAINABLE DEVELOPMENT: Upholding a steady rate of growth or advancement.

From the foregoing, there can never be a steady rate of growth or advancement of an item without adhering to the process of preserving the existing item in good condition.

In other words, there can never be a sustainable development without a good maintenance culture.

“Whatever asset you have – is a seed in your hand and only robust maintenance can bring sustainable development of that asset”.



SOME CAUSES OF POOR MAINTENANCE CULTURE

- Ignorance
- Lack of capacity
- Negligence
- Penny wise pound foolish attitude (Syndrome)
- Lack of commitment
- Lack of vision
- Lack of motivation
- Inadequate provision of necessary spares

EFFECTS OF POOR MAINTENANCE

- Fast degradation of value
- Sudden death of equipment
- Lack of second hand values
- Poor quality of service
- High cost of rehabilitation
- Scrap Management problems
- High cost of provision of service
- Low operational/performance efficiency
- Environmental pollution related issues
- Risk to life
- Lack of redundancy in the system
- Unprofitable deployment of fund (Unprofitable investment)
- Back and forth type of development (motion without movement type of development)

SOME EXAMPLES OF THE NEGATIVE EFFECTS OF POOR MAINTENANCE CULTURE

Examples abound before our very eyes ranging from:-

- Small pot holes in our roads left to become big gullies that sometimes make the roads impassable until major rehabilitations are carried out
- Grounded refineries and power plants
- Grounded Aircrafts – Today there is nothing like Nigerian Airways and is very unfortunate

- Weigh bridges on our roads have become a thing of the past
- Toll gates not sustained
- Hospitals/Clinics becoming death centre instead of health centres
- Most major ecological problems are as a result of poor maintenance culture in our society.
- Dilapidated school buildings are very common
- Telecommunication/Post Office facilities left to rotten
- Housing projects left at the mercy of bandits, rodents and termites
- Pipe borne water facilities left to rotten away
- Industries left to become eyesores

These few are just mentioned which if maintained adequately could have given birth to their likes or the proceeds invested in other areas that would be source of employment generation and source of revenue to the economy. The opposite has been the case in our country.

OBSERVATION

- A country is only developed when there is sustainable development
 - Sustainable development is the difference between developed countries and third world or undeveloped countries.
 - There can never be a sustainable development without good (robust) maintenance culture.
- Every developed nation, has very good (robust) maintenance culture.
 Conversely, every undeveloped or third world country has very poor maintenance culture.

The issue of maintenance also applies to corporations, industries, parastatals, households and individuals.

“Nature teaches us that maintenance leads to development and development leads to maturity and maturity leads to conception and ultimate delivery/production. Anything short of this can never be self-sustaining which the real sustainable development is” .

THE ENGINEER


The engineer by his professional call to harness nature for the benefit of man should drive the culture of healthy maintenance process in her various fields of specialization – Electrical, Civil, Mechanical, Aeronautical, Chemical, Building, Structural, Marine, Petroleum, Biomedical, Computer etc. Until the engineers see the importance of maintenance and pursue the enactment of the institutionalization of healthy maintenance culture in our society and be at the fore front of its implementation, there can hardly be sustainable development.

CONCLUSION


The need to structure a healthy maintenance plan/activities in our various parastatals can never be overemphasized, otherwise we shall discover at the long run that all efforts towards bringing necessary developments to the benefit of various parastatals have been an exercise in futility.

“Nature teaches us that maintenance leads to development and development leads to maturity and maturity leads to conception and ultimate delivery/production. Anything short of this can never be self-sustaining which the real sustainable development is”.


Generally, development or growth is hindered by lack of maintenance”.



Late Marcus Ibrahim
Staff II (TSP) MVD

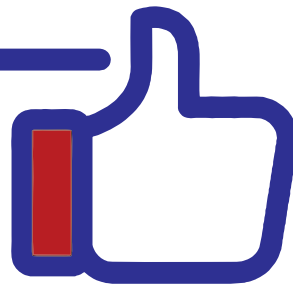


**The fact that you are no longer here
will always cause us pain
if only we could have you back
just for a little while.
You are forever in our heart
Adieu!!!**



Late Engr. Mrs Uche Aku
SM(ISO) Portharcourt RCC

FEEDBACK PAGE



Ola @101Waleola · Aug 3

Replying to @TCN_NIGERIA and @NigeriaGov

I cant wait to see in next 3 years that TCN reached a new peak of 15,000 MW with the Gov-Gov Siemens contract.

Thanks to Buhari/Osinbajo government for that. 🙏🙏



Mohammed Buba @mo_buba · Aug 4

Replying to @TCN_NIGERIA

It's signifying a new brand on the job is on saddle of TCN affairs, compassionate and up to the task engineer. Keep on the move with your great team.



Jide Oguns @Joguns008 · Aug 6

Replying to @TCN_NIGERIA and @PowerMinNigeria

You can even generate 30,000MW, yet without supervision of the DISCOS, your effort will be fruitless and thwarted. BEDC will still distribute 3hrs per day even if you make it 50,000MW/per day. Investigate & supervise the DISCOS.



Top fan

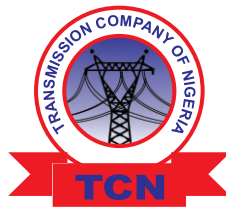
Ibrahim B. Rurum Keep the good work TCN and continue to maintain the national grid alive. God is in control over your enemies & the nation!

Like · Reply · Message · 3h



Auta Muhammed May Almighty Allah help MD to achieved his goal, please remember pankshin line 132

Like · Reply · Message · 1w



#TAKERESPONSIBILITY

Do you have

cough?

difficulty in breathing?

fever?

headache?

please see a doctor and stay home

YOU have the RESPONSIBILITY of PROTECTING the NEXT PERSON



Together we can defeat COVID-19

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