



National Anthem

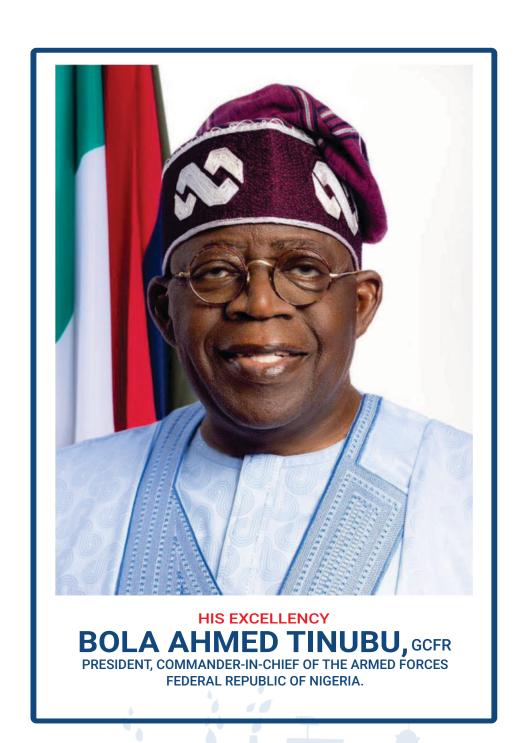
Nigeria, we hail thee,
Our own dear native land,
Though tribe and tongue may differ
In brotherhood, we stand,
Nigerians all, and proud to serve
Our sovereign Motherland.

Our flag shall be a symbol
That truth and justice reign,
In peace or battle honour'd,
And this we count as gain,
To hand on to our children
A banner without stain.

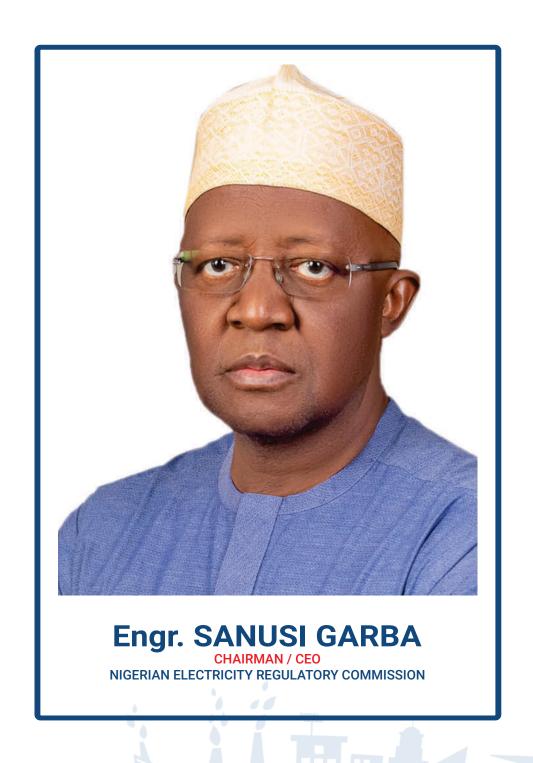
O God of all creation,
Grant this our one request,
Help us to build a nation
Where no man is oppressed,
And so with peace and plenty
Nigeria may be blessed.

National Pledge

I pledge to Nigeria my Country, to be faithful, loyal and honest, to serve Nigeria with all my strength, to defend her unity, and uphold her honour and glory, So help me God.







OVERVIEW

Over the years, power sector reforms have been targeted at improving energy access in the country through the sustained growth of the sector. However, the Nigerian Electricity Supply Industry (NESI) continues to struggle with significant challenges that prevent it from meeting demand effectively. With an installed capacity exceeding 13,000 MW, the grid often delivers less than 4,000 MW, resulting in a significant supply gap. There is a need to integrate innovative solutions to solve the recurrent challenges such as, outages, limited coverage, and high transmission losses which hinders electricity generation and distribution.

Distributed Energy Resources (DERs), which involves decentralizing energy production and generating electricity close to the point of use, offers a promising solution to these challenges. This approach not only enhances energy security and grid stability but also supports the integration of renewable energy sources. Additionally, it aligns with Nigeria's regulatory targets for embedded generation and renewable energy, as well as the presidential priorities for advancing renewable energy.

This summit seeks to create a platform where critical stakeholders including DisCos, Developers, Investors, Regulators and Government agencies can collaborate, share insights, and forge partnerships to drive the integration of DERs especially from Renewable Energy (RE) sources in the Nigerian Electricity Supply Industry ("NESI").

DAY 1

Presentations

- NERC's Role in Promoting Renewable Energy in Nigeria Dr. Yusuf Ali, Commissioner, Planning, Research & Strategy (PRS) Division, Nigerian Electricity Regulatory Commission (NERC)
- 2. Goodwill Message **Godfrey Ogbemudia**, European Union Delegation
- 3. Goodwill Message National Assembly Delegation
- 4. Keynote Address on Delivering on the Presidential Priorities on Renewable Energy Chief Adebayo Adelabu, Honorable Minister of Power (HMoP)
- NERC'S Role in Promoting Distributed Energy Resources ("DER") and Embedded Generation in Nigeria – Oseni Musiliu, PhD - Vice Chairman, Nigerian Electricity Regulatory Commission (NERC)
- 6. DISCOS' Investment Pitch DisCos to Present Opportunities Currently Available for Investment/Disco's Specific Sessions to Examine the Opportunities and Resources Available to Support the Attainment of Embedded RE Targets and Accelerated Feeder Migration
- Introduction of Nigeria SE4ALL Platform Your Tool Guide for Project Planning –
 Ifeoma Linda Obiasogu, Technical Advisor, Nigerian Energy Support
 Programme (NESP), Deutsche Gesellschaft für Internationale Zusammenarbeit
 (GIZ)

Panel Session 1:

Identifying Gaps and De-risking Embedded Generation & Franchising to Support the Attainment of Set Targets

Moderator: Osa Imoukhuede – Manager, Rocky Mountain Institute (RMI) Panelists:

- Oseni Musiliu, PhD Vice Chairman, Nigerian Electricity Regulatory
 Commission (NERC)
- o **Arsh Sharma** Senior Energy Specialist, World Bank
- Damilare Olayiwola Assistant Manager, Power and Energy, TetraCo
 Energy Group
- Victor Ezenwoko Chief Executive Officer, Daystar Power Group
- Salahuddeen Tahir Head, Asset & Investment Management, NNPC
 Gas & Power Investment Company (NGPIC)
- Babatunde Osadare Chief Legal and Regulatory Officer, Ikeja Electric
 Plc

<u>DisCos' Investment Pitch:</u> DisCo specific sessions to present the opportunities and resources available to support the attainment of their Embedded Generation and Renewable Energy Targets; and to accelerate feeder migration.

Moderator: **Dr. Alexander Akolo**, Technical Advisor, Nigerian Energy Support Programme (NESP), Deutsche Gesellschaft fur Internationale Zusammenarbeit (GIZ)

Pitchers:

- Engr. Okpo Onyekwere General Manager, Technical Operations Eko Electricity Distribution Company (EKEDC)
- Ochuko Amah CEO Port Harcourt Electricity Distribution Company (PHEDC)
- Engr. Bello Babayo Manager, TCN Interface, Yola Electricity Distribution Company (YEDC)
- Engr. Ismail Usman Technical Assistant to the MD, Jos Electricity Distribution Plc (JED)

<u>Panel Session 2:</u> Panel Discussion with Developers/Financiers to Discuss Opportunities, And Identify Sustainable Deal Structures as Well as Optimal Financing Models That Support the Development of Renewable Energy Projects

Moderator: Chigoziri Egeruoh – Chief Power Engineer, African Development Bank

Panelists:

- Dr. Yusuf Ali Commissioner, Planning Research & Strategy (PRS)
 Division, Nigerian Electricity Regulatory Commission (NERC)
- o **Seun Edun** Country Director, PowerGen Renewable Energy
- o **Adaobi Nnoruka** Investment Director, ARM Harith
- o **Ojuru Adeniji** Vice President of Origination and Structuring, InfraCredit
- o Seun Smith Chief Executive Officer (CEO), Enaro Energy Limited
- Chijioke Okwuokenye Chief Operating Officer, Abuja Electricity
 Distribution Company (AEDC)

DAY 2

Presentations

- Scaling Utility-enabled DER in Nigeria and Unveiling the RMI Toolkit –
 Suleiman Babamanu, Country Director, Rocky Mountain Institute (RMI)
- 2. GEAPP Activities Across Nigeria **Fauzia Okediji**, Manager, Utility Innovation, Global Energy Alliance for People and Planet (GEAPP)
- 3. Introduction to DARES Project **Abba Abubakar Aliyu**, MD/CEO Rural Electrification Agency (REA)
- 4. How Carbon Credit Can Enhance RE & DERs **Stanford Makwasonda**, Climate Change Lead for Africa, RSK Environment (Africa) Ltd
- Solar Auction in Nigeria Bunu Baba Bukar, Energy Specialist, World Bank
- 6. The Nigeria SE4ALL Portal Mini-Grid Site Selection and Project Development **Chukwudi Maximilian Cyriacus**, Technical Advisor, Nigerian Energy Support Programme (NESP), Deutsche Gesellschaft fur Internationale Zusammenarbeit (GIZ)
- NERC's Existing & Proposed Renewable Energy Regulations Jonathan Okoronkwo, Assistant General Manager (AGM), Planning Research and Strategy (PRS) Division, Nigeria Electricity Regulatory Commission (NERC)

Panel Session 1: DARES Framework

Moderator: Hasana Aliyu – Vice President, Operations, Konexa

Panelists:

- Abba Terab Deputy General Manager, Market Competition and Rates (MCR) Division, Nigeria Electricity Regulatory Commission (NERC)
- Femi Akinyelure Head, Project Management Unit, Rural Electrification Agency (REA)
- o Collins Obi Energy Specialist, World Bank (WB)
- o **Alberto Rodriguez** Manager, Rocky Mountain Institute (RMI)
- Alexander Obiechina Chief Executive Officer, ACOB Lighting Technology Limited
- Engr. Bello Babayo Bello Yola Electricity Distribution Company (YEDC)
- Ochuko Amah MD, Port Harcourt Electricity Distribution Company (PHED)

Unveiling of DisCos' Deals and Partnerships

Moderator: Chigozie Valerie Azikiwe – Assistant General Manager (AGM), Market Competition and Rates (MCR) Division, Nigerian Electricity Regulatory Commission (NERC)

Panel Session 2: Discussion of Outcome of Prioritization Exercise

Moderator: Oluchi Jennifer Francis – Technical Advisor, Nigerian Energy Support Programme (NESP), Deutsche Gesellschaft fur Internationale Zusammenarbeit (GIZ)

Local Organizing Committee Sub-Committees

Steering Committee

- Dr. Yusuf Abdussalam Deputy General Manager (DGM), Planning Research and Strategy (PRS) Division, Nigerian Electricity Regulatory Commission (NERC)
- Abba Terab Deputy General Manager (DGM), Market Competition and Rates (MCR) Division, Nigerian Electricity Regulatory Commission (NERC)

Organizing Committee

- Jonathan Okoronkwo Assistant General Manager (AGM), Planning Research and Strategy (PRS) Division, Nigerian Electricity Regulatory Commission (NERC)
- Chigozie Valerie Azikiwe Assistant General Manager (AGM), Market Competition and Rates (MCR) Division, Nigerian Electricity Regulatory Commission (NERC)
- Dr. Muhammad Yadudu Principal Manager (PM), Market Competition and Rates (MCR) Division, Nigerian Electricity Regulatory Commission (NERC)
- Obianuju Ukwueze Head, Business Development, Marketing & Strategy, Ikeja Electric Plc
- Oluchi Jennifer Francis Technical Advisor, Nigerian Energy Support Programme (NESP), Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)
- Chukwudi Maximilian Cyriacus Technical Advisor, Nigerian Energy

Support Programme (NESP), Deutsche Gesellschaft fur Internationale Zusammenarbeit (GIZ)

Program Committee

- Dr. Kafilat Bawa-Allah Principal Manager (PM), Planning Research and Strategy (PRS) Division, Nigerian Electricity Regulatory Commission (NERC)
- Mohammed Kamal-Deen Senior Manager (SM), Market Competition and Rates (MCR) Division, Nigerian Electricity Regulatory Commission (NERC)
- Lotanna Ofoegbu Manager (M), Market Competition and Rates (MCR)
 Division, Nigerian Electricity Regulatory Commission (NERC)
- o **Alberto Rodriguez** Manager, Rocky Mountain Institute (RMI)
- Woji Gulu Head, Research and Project Management, Kano Electricity Distribution Company (KEDCO)

Marketing & Communications Committee

- Gbenga Osho Assistant Manager, Market Competition and Rates (MCR)
 Division, Nigerian Electricity Regulatory Commission (NERC)
- Simon Sunday Assistant Manager, Public Affairs Department, (PAD),
 Nigerian Electricity Regulatory Commission NERC)
- Malik Kabir Analyst, Planning Research and Strategy (PRS) Division,
 Nigerian Electricity Regulatory Commission (NERC)
- Charles Udo Analyst, Finance and Management Services (F&MS)
 Division, Nigerian Electricity Regulatory Commission (NERC)
- o Collins Obi Energy Specialist, World Bank (WB)
- Engr. Saheed Busari Head, Strategic Alliance and Power Procurement,
 Benin Electricity Distribution Company (BEDC)

Registration & Attendee Management/Technical Committee

- o **Obinna Ndukwe** Innate Arts & Media Ltd (I Am) Team
- Ibraheem Aremu Analyst, Market Competition and Rates (MCR)
 Division, Nigerian Electricity Regulatory Commission (NERC)
- Luqman Rufau Analyst, Market Competition and Rates (MCR) Division,
 Nigerian Electricity Regulatory Commission (NERC)
- Charles Udo Analyst, Finance and Management Services (F&MS)
 Division
- Oluchi Jennifer Francis Technical Advisor, Nigerian Energy Support

- Programme (NESP), Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)
- Chukwudi Maximilian Cyriacus Technical Advisor, Nigerian Energy Support Programme (NESP), Deutsche Gesellschaft fur Internationale Zusammenarbeit (GIZ)

Logistics and Operations Committee

- o **Obinna Ndukwe** Innate Arts & Media Ltd (I Am) Team
- Omosede Imohe Team Lead, Distributed Energy Resource, Abuja Electricity Distribution Company (AEDC)
- Odunayo Onafuye Manager, Distributed Energy Resources (DER),
 Abuja Electricity Distribution Company (AEDC)

Evaluation & Reporting Committee

- Oluseye Akinboyewa Senior Manager (SM), Planning Research and Strategy (PRS) Division, Nigerian Electricity Regulatory Commission (NERC)
- Blessing Kaigama Assistant Manager (AM), Market Competition and Rates (MCR) Division, Nigerian Electricity Regulatory Commission (NERC)
- Abiola Adeleke Analyst, Market Competition and Rates (MCR) Division,
 Nigerian Electricity Regulatory Commission (NERC)
- Charles Udo Analyst, Finance and Management Services (F&MS)
 Division
- Dr. Mahmoud Lurwan Sabo Electrical Engineer 1, Rural Electrification Agency (REA)
- Dr. Abdullahi Sulaiman DISCO and Other Stakeholders Engagement Consultant, Nigeria Electrification Project (NEP)-Rural Electrification Agency (REA)

Exhibitors

Distribution Companies

- 1. Abuja Electricity Distribution Company (AEDC)
- 2. Benin Electricity Distribution Company (BEDC)
- 3. Eko Electricity Distribution Company (EEDC)
- 4. Enugu Electricity Distribution Company (EKEDC)
- 5. Ikeja Electric Plc (IE)
- 6. Ibadan Electricity Distribution Company (IBEDC)
- 7. Jos Electricity Distribution Plc (JED)
- 8. Kaduna Electric
- 9. Kano Electricity Distribution Company (KEDCO)
- 10. Port Harcourt Electricity Distribution Company (PHEDC)
- 11. Yola Electricity Distribution Company (YEDC)

Others

	Organization	Contact Person	Contact Email
1	Renewable Energy		info@rean.orgn.ng;
	Association of	Ayo Ademilua	reanpresident@rean.org.ng;
	Nigeria (REAN)		bilky@rean.org.ng
2	ENGIE Energy	Onyinye Anene-Nzelu	onyinye.anene-
_	Access Nigeria	(Head, Mini Grids)	nzelu@engie.com
3	TetraCo Energy Group	Damilare Olayiwola, (Assistant Manager, Power and Energy)	dolayiwola@tetracoregroup.c
4	Prado Power	Terkumah Ivande	t.ivande@pradopower.org
5	Acob Lighting Technology Limited	Emmanuel Ibanga (Operations Lead)	i.emmanuel@acoblighting.co m; info@acoblighting.com;
	3		businessgrowth@acobligthin
			g.com

6	Anfani Energy Ltd	Ishaq Bolarinwa (CEO)	ishaq@anfani.uk; abiola.apooyin@anfani.uk; info@anfani.uk
7	JRB Solar	Ugwuanyi Nonso Jude Karen Bassey	nonsojude@jrbsolar.com karen@jrbsolar.com
8	Consumer Affairs (CA) Division, Nigerian Electricity Regulatory Commission (NERC)	Ishaya Bassi; Gberkon Atiseer	Ishaya.bassi@nerc.gov.ng gberkon.atiseer@nerc.gov.n g



Agenda

SUMMIT ON ACCELERATED SCALE-UP OF RENEWABLE & DISTRIBUTED ENERGY RESOURCES IN NIGERIA | JULY 22nd and 23rd, 2024

DAY 1

9:00 AM - 9:30 AM | Registration

9:30 AM - 11:00 AM | Opening Session

- 1. Welcome & Introductions Benjamin Ubiri, Compere, (15 min)
- 2. Opening Remarks **Engr. Sanusi Garba**, Chairman, Nigerian Electricity Regulatory Commission (NERC) **(10 min)**
- 3. NERC's Role in Promoting Renewable Energy in Nigeria **Dr. Yusuf Ali**, Commissioner, Planning, Research & Strategy (PRS) Division, Nigerian Electricity Regulatory Commission (NERC) **(10 min)**
- 4. Goodwill Message Godfrey Ogbemudia, European Union delegation (5 mins)
- 5. Goodwill Message by the National Assembly delegation (5 mins)
- 6. Keynote Address on delivering on the Presidential Priorities on Renewable Energy Honorable Minister of Power (HMoP), **Chief Adebayo Adelabu (30 mins)**
- 7. Declaring the Exhibition Open by the HMoP & Pictures (15 mins)

11:00 AM - 11:30 AM | Tea Break

11:30 AM - 1:45 PM Afternoon Session

- 8. NERC's Role in Promoting Distributed Energy Resources ("DER") and Embedded Generation in Nigeria **Oseni Musiliu, Ph.D** Vice Chairman, Nigerian Electricity Regulatory Commission (NERC)(10 mins)
- Stakeholders' Panel Session: Identifying gaps and de-risking embedded generation and franchising to support the attainment of set targets - (45 mins)
 Q&A (20 mins)

Panel members

- Oseni Musiliu, Ph.D Vice Chairman, Nigerian Electricity Regulatory Commission (NERC)
- Arsh Sharma Senior Energy Specialist, World Bank
- Damilare Olayiwola Assistant Manager, Power and Energy, TetraCo Energy Group
- Victor Ezenwoko Chief Executive Officer, Daystar Power Group
- Salahuddeen Tahir Head, Asset & Investment Management, NNPC Gas & Power Investment Services (NGPIS)
- Babatunde Osadare Chief Legal and Regulatory Officer, Ikeja Electric Plc

Moderator

- Osa Imoukhuede Manager, Rocky Mountain Institute (RMI)
- DisCos' Investment Pitch DisCos to present opportunities currently available for investment/DisCo's specific sessions to examine the opportunities and resources available to support the attainment of embedded RE targets and accelerated feeder migration. (60 mins)
 - Engr. Okpo Onyekwere General Manager, Technical Operations Eko Electricity Distribution Company (EKEDC)

- Ochuko Amah CEO Port Harcourt Electricity Distribution Company (PHEDC)
- **Engr. Bello Babayo** Manager, TCN Interface, Yola Electricity Distribution Company (YEDC)
- Engr. Ismail Usman Technical Assistant to the MD, Jos Electricity Distribution Plc (JED)

Moderator

Dr. Alexander Akolo – Technical Advisor, Nigerian Energy Support Programme (NESP), Deutsche Gesellschaft fur Internationale Zusammenarbeit (GIZ)

1:45 PM - 2:45 PM | Lunch Break

2:45 PM - 4:30 PM Evening Session

11. Panel Discussion with Developers/Financiers to discuss opportunities, and identify sustainable deal structures as well as optimal financing models that support the development of renewable energy projects- (40 mins) Q&A (20 min)

Panel members

- Dr. Yusuf Ali Commissioner, Planning, Research & Strategy (PRS) Division, Nigerian Electricity Regulatory Commission (NERC)
- **Seun Edun** Country Director, PowerGen Renewable Energy
- Adaobi Nnoruka Investment Director, ARM Harith
- Ojuru Adeniji Vice President of Origination and Structuring, InfraCredit
- Seun Smith Chief Executive Officer (CEO), Enaro Energy Limited
- Chijioke Okwuokenye Chief Operating Officer, Abuja Electricity Distribution Company (AEDC)

Moderator

- Chigoziri Egeruoh Chief Power Engineer, African Development Bank (AfDB)
- 12. Introduction of NigeriaSE4ALL Platform- your tool guide for project planning **Ifeoma Linda Obiasogu**, Technical Advisor, Nigerian Energy Support Programme (NESP), Deutsche Gesellschaft fur Internationale Zusammenarbeit (GIZ) (30 mins)
- 13. Recap of Key Discussions (10 mins)
- Vote of Thanks Dr. Yusuf Abdussalam, Deputy General Manager (DGM), Planning, Research and Strategy (PRS) Division, Nigerian Electricity Regulatory Commission (NERC) (5 mins)

DAY 2

8:30 AM - 9:30 AM | Registration

9:30 AM - 11:45 AM | Morning Session

- 1. Welcome, Introductions and Recap of Day 1 Benjamin Ubiri, Compere (10 mins)
- 2. Opening Remarks **Oseni Musiliu**, **Ph.D** Vice Chairman, Nigerian Electricity Regulatory Commission (NERC) **(5 mins)**
- 3. Scaling Utility-enabled DER in Nigeria and Unveiling the RMI Toolkit **Suleiman Babamanu**, Country Director, Rocky Mountain Institute (RMI) **(20 mins)**
- 4. GEAPP: Activities Across Nigeria **Fauzia Okediji**, Manager, Utility Innovation, Global Energy Alliance for People and Planet (GEAPP) **(10 mins)**
- 5. Introduction to DARES Project **Abba Abubakar Aliyu**, MD/CEO Rural Electrification Agency (REA) **(15 mins)**
- 6. Panel on DARES Framework (Project Development and Financing) **(40 mins)** Q&A **(20 mins)**

Panel members

- **Abba Terab** Deputy General Manager, Market Competition and Rates (MCR) Division, Nigeria Electricity Regulatory Commission (NERC)
- **Femi Akinyelure** Head, Project Management Unit, Rural Electrification Agency (REA)
- Collins Obi Energy Specialist, World Bank (WB)
- Alberto Rodriguez Manager, Rocky Mountain Institute (RMI)
- Alexander Obiechina Chief Executive Officer, ACOB Lighting Technology Limited
- Engr. Bello Babayo Bello Manager, TCN Interface, Yola Electricity Distribution Company (YEDC)
- Ochuko Amah MD, Port Harcourt Electricity Distribution Company (PHED)

Moderator

- Hasana Aliyu Vice President, Operations, Konexa
- 7. [Virtual] How Carbon Credit can enhance RE & DERs Stanford Mwakasonda, Climate Change Lead for Africa, RSK Environment (Africa) Ltd (10 mins)
- 8. Solar Auction in Nigeria **Bunu Baba Bukar**, Energy Specialist, World Bank **(10 mins)**

11:50 AM - 12:15 PM | TEA BREAK

12:15 PM - 2:20 PM Afternoon Session

- 9. The Nigeria SE4ALL Portal Mini-Grid Site Selection and Project Development Chukwudi Maximilian Cyriacus, Technical Advisor, Nigerian Energy Support Programme (NESP), Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) and (20 mins)
- 10. Unveiling of DisCos' deals and partnerships (15 mins)

- Abuja Electricity Distribution Company (AEDC)
- Benin Electricity Distribution Company (BEDC)
- Ikeja Electric Plc (IE)
- Kano Electricity Distribution Company (KEDCO)

Moderator

- Chigozie Valerie Azikiwe, Assistant General Manager, Market Competition & Rates (MCR) Division, Nigerian Electricity Regulatory Commission (NERC)
- 11. NERC's Existing & Proposed Renewable Energy Regulations **Jonathan Okoronkwo**, Assistant General Manager (AGM), Planning, Research and Strategy (PRS) Division, Nigeria Electricity Regulatory Commission (NERC) (15 mins)
- 12. Group Activity (75 mins)- Each group will conduct a prioritization exercise and complete the provided workbook. Participants will be divided into three groups:
 - Market Participants
 - Developers & Financiers
 - MDAs, Policy Makers & DFIs

2:20 PM - 3:20 PM | Lunch Break

3:20 PM - 4:20 PM Evening Session

13. Panel session to discuss the outcome of the breakout session- Each group will present their prioritization exercise results (30 mins).

Panel members

Two persons from each group

Moderator

- Oluchi Jennifer Francis Technical Advisor, Nigerian Energy Support Programme (NESP), Deutsche Gesellschaft fur Internationale Zusammenarbeit (GIZ)
- General discussion, feedback, and Q&A (15 mins)
- Key takeaways and recap (10 mins).
- 14. Vote of Thanks **Dr. Yusuf Ali**, Commissioner, Planning, Research & Strategy (PRS) Division, Nigerian Electricity Regulatory Commission (NERC) **(5 mins)**

