

**JOB COMPLETION CERTIFICATE**

- JOB DESCRIPTION:**
- Procurement and Installation of 300mm² XLPE Armoured Cable for a Dedicated 33kv Feeder Line covering 2.9 Kilometres starting from TCN Ogba Station and Terminating at MTN/Huawei Data Centre at 29 Ajao Road, Ikeja.
 - Procurement and Installation of CT/VT Transformer, Metering System, HV Protection System and Comprehensive Data Facility Earthing & Protection.
 - Installation and Commissioning of 6 Switchgears / Substation and Automatic Voltage Regulator (AVR) 11.5MVA – Recon Brand.
 - Installation and Commissioning of 4 Units of Dry Transformers 33/400V - Siemens Energy.
 - Procurement and Installation of all High Voltage Cables (300mm, 240mm, 180mm) and Local XLPE Armoured Cables (240mm, 120mm, 95mm).

CONTRACTOR: Cind Electricity Distribution Limited

CONTRACT NO/DATE: MTNN-FB-002 Dated July 20, 2023

COMPLETION DATE: Laid Armoured Cable was energised on Thursday, March 27, 2025 at 1422 Hours

TRANSFORMER RATING (KVA)	VOLTAGE LEVEL (KV)	POLE/GROUND MOUNTED
11300	33/0.400	Buried Underground

PROJECT SUMMARY

DESCRIPTION	COMMENTS	REMARKS
Cables and Accessories	Top Quality	8,700m XLPE Cable Napco Brand
Switchgear and Earthing	Well Installed	Standard Size 95mm & 120mm Copper wire used
Statutory Government Permits	Complied with all Regulatory Requirements	Obtained approvals and certifications from LASIMRA, IE Plc and NEMSA
Underground Cable and Civil Works	2,900m of 300mm ² XLPE Cable per phase	Well dug and buried with necessary safety concrete slabs and signages
Construction of Bay Substation at TCN, Ogba, Ikeja (Dedicated 33kV Feeder – 132kV/33kV)	Properly Constructed and Erected	Commissioned and operating smoothly
Isolator Operation	Good	Operated smoothly
Plinth	Good	Standard plinth size constructed
Standard Material Usage	Okay	Standard materials were deployed
Metering	Yes	Metered and operating smoothly



Substation Fence	Yes	Well Fenced
Substation Floor	Yes	Well Cemented
Danger Sign	Yes	Placed on the four (4) Substations Gates
Danger Signages	Yes	40 Signages (big and small) were erected on project route and site

Dedicated Feeder 132/33kV at Ogba TCN, Ikeja Bay	Tested okay & certified	Operating smoothly
Automated Voltage Regulator (AVR) 11.5MVA – Recon Brand	Tested okay & certified	Operating smoothly
Four units of Siemens Power Dry Transformers $3.15 \times 2 = 11,300\text{kVA}$ 2.5×2	Tested okay & certified	Operating smoothly
33kv Outdoor Breakers (ABB) 1200 Amps / 33kVA	Tested okay & certified	Operating smoothly
33kV Isolator with Earth Switch at TCN	Tested okay & certified	Operating smoothly
33kV Lightning Arrestor	Tested okay & certified	Operating smoothly
33kV CT/VT Transformer for IE Metering with Earthing	Tested okay & certified	Operating smoothly
Transformer Cable Termination – 180mm XLPE Cable, 24 points of termination – 240mm XLPE Cable, 24 points of termination	Tested okay & certified	Operating smoothly
AVR Cable Termination 86 Termination points	Tested okay & certified	Operating smoothly
Installation of Four (4) Switchgears / panels with 23 blocks and 300mm XLPE Cable Termination using Raychem Brand kits	Tested okay & certified	Operating smoothly
Comprehensive pre-commissioning tests of the Substation equipment; CT/VT Transformers, Cables, AVR, Switchgears, Breakers which includes: – Insulation Resistance Test – Hipot Test (AC/DC) – Winding Resistance Test – Primary and Secondary Injection Test	All tested good by NEMSA and Ikeja Electric Plc, with issued certificates	Operating smoothly



<ul style="list-style-type: none">- Transformer Turn Ratio Test- Contact Resistance Test- Cable Continuity Test- Relay Selectivity Test and setting		
Earthing of the entire MTN Data Centre at 29, Ajao Road, Ikeja.	Tested okay as indicated on the Test Report of Ikeja Electric and NEMSA	Operating smoothly

CERTIFICATION

NAME	POSITION	SIGNATURE & DATE
Engr. Zeng Qi	Project Engineer (PM)	