



GTA ENGINEERING NIGERIA LTD

COMMISSIONING REPORT OF 270MVA, 16/330KV GENERATOR TRANSFORMER AT EGBIN POWER PLANT, IJEDE

CUSTOMER NAME : EGBIN POWER PLC , IJEDE
TRANSFORMER TYPE : GENERATOR TRANSFORMER
MAKE : MITSUBISHI, JAPAN
RATING : 270MVA , 16/330KV
SERIAL NO. : 8535820101
YEAR OF MFG : 1985
DATE OF COMMISSIONING : 19.01.2018

COMMISSIONING DETAILS

Erection :-

- Transformer was erected on fixing of the accessories including All radiator Connecting Pipes , 20Nos Radiators , Conservator tank , 3Nos HV Bushings, All connecting Pipes , silica gel breather, PRV, WTI & Buchholz Relay.
- All these were carefully cleaned, tested and found satisfactory.

Transformer Processing

- The Transformer which was transported with nitrogen gas from works was intermittently processed with vacuuming before oil filling to prevent moisturization of the core and windings.
- The Oil was externally filtered from the transformer to attain a single PPM digit before introducing into the transformer.
- The Transformer Oil was filtered for 48Hours with 6KL/Hour filtration machine to achieve optimum result and only stopped after single digit PPM value was achieved.
- Proper bleeding from aerating plugs was carried out to let out air traps in the transformer.

Pre-Commissioning Checks :-

- All alarms & trips, WTI & OTI , Controls, Cooling systems, Sensors , etc ,were carefully checked by GTA Engineering and confirmed by EGBIN Power PLC.
- Transformer was checked for oil leakages and all was found satisfactory.
- As per IEC requirements and standards, the transformer was tested by GTA Engineering testing team and all results were found accurately satisfactory

Stanley
19/1/18

Transformer Commissioning :-

- Having found the above stated processes satisfactory and in tandem with global acceptable standards, the transformer was energised from the 330KV side on 19.01.2018 at 17:10
- The humming sound was found to be within acceptable decibels.

For GTA Engineering Nig. Ltd.

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