

M.O.M

The following tests were done during the period 3-8 December 2017 on the transformer 175 MVA (220/24/24) KV S/N (013031701).

In the presence of:

Eng. Talaat Abdelazize	EETC
Eng. Yasser Ali	
Eng. Hossam Ahmed AbdIFatah	
Eng. Ahmed Mohamed Mostafa	
Eng. Ahmed Salah Sallam	Shaker
Eng. Mohamed Hassan	
Eng. Mohamed Mansour	T&D
Eng. Mohamed Adel	
Eng. Doaa Hegazy	El-Sewedy Transformers
Eng. Mohamed Ghonaim	
Eng. Mohamed Khalil	
Eng. Mohamed El-Bedeawy	

Routine, Type & Special Tests

- 1- Turns Ratio and vector group.
- 2- Dc Resistance.
- 3- No Load Test.
- 4- Insulation Resistance.
- 5- Loss factor $\tan \delta$ and capacitance C of the Transformer.
- 6- Measurement of Harmonic.
- 7- On Load Tap Changer Test.
- 8- Load Test & Voltage Impedance.
- 9- Measurement of Zero Sequence Impedance.
- 10- Applied voltage test (AV).
- 11- Induced voltage test with partial discharge measurement (IVPD).
- 12- Lighting Impulse test with chopped wave.
- 13- Switching Impulse Test.
- 14- Fans Consumption power measurement.
- 15- Temp. Rise Test.
- 16- Measurement of Acoustic Sound Level.
- 17- Oil breakdown test.

The transformers pass the previous tests successfully and ready for shipping.

With the following comments:

- 1-Total flow rate for fans in contract 272468 m³/h but in actual 185130 m³/h.
- 2-No load losses in tender 69KW but actual 70.5KW No load losses increase by the value 1.5KW

Testing:- Mohamed Khalil <i>M. Khalil</i> Mohamed El-Bedeawy Ahmed Elsayed	Approved: Doaa Hegazy Mohamed Ghonaim 8/12/2017	Witnessed by : DNV-GL (KEMA) Shaker EETC T&D <i>A.S.</i> <i>[Signature]</i> <i>[Signature]</i> <i>Hossam</i> <i>[Signature]</i> <i>[Signature]</i>
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