

**⏵ANNEXURE-A**

TECHNICAL SPECIFICATION FOR 500 KVA DISTRIBUTION TRANSFORMER WITH BUILT-IN H.T. AUTOMATIC VOLTAGE REGULATOR

Manufacturer : **GLOBE RECTIFIERS, FARIDABAD**

Make : **Globe**

**APLICABLE STANDARD : IS 1180**

Constructional Feature : OIL IMMERSED, NATURALLY OIL COOLED,

STEPLESS, TYPE DISTRIBUTION TRANSFORMER WITH BUILT-IN HT AUTOMATIC VOLTAGE REGULATOR

Mode of Operation : [1] Automatic [2] Motorised [3] Manual

Service : Indoor/Outdoor ( Suitable for Both Purpose)

Capacity : 500 KVA, 3Phase

Input : 9000 V to 12000 V, 3 Phase, 50Hz.

Suitable for balanced supply.

Output : Stabilized at 415 V + 1%, 3 Phase, 50 Hz.

Suitable for balanced / unbalanced load.

Equipment consists of : [1] A. Step down/ Step up Unit.

[2] B. Rolling Contact Regulator Unit.

: [3] C. Buck Boost Unit.

[4] D. Automatic Control Unit with Dual Ckt.

Housing/Tank : Item A & C shall be housed in same sheet steel

tank and Item B will be housed in separate sheet

steel tank.

Transformer Oil : Transformer Oil, Confirming to IS 335/1993 (Savita make)

Terminals : Input Cable Box

: Output Cable Box

Temperature Rise : 400C rise to Top Oil over an ambient of 450C.

Correction Rate : 5-8 V / Sec. (Approx)