

DATE:05.12.2013

PROJECT: 2X660 MW SURATGARH SUPER CRITICAL TPS

UNIT # 7 & 8

CORRIGENDUM TO TECHNICAL SPECIFICATION NO:

**PE-TS-392-302-E001(R0) FOR OIL FILLED SERVICE
TRANSFORMERS**

REFERENCE	CORRIGENDUM
1. CLAUSE NO 9 POINT NO.3 PAGE NO.2 OF SECTION-C	FLUX DENSITY IN ANY PART OF CORE & YOKE ON ANY TAP POSITION WITH +/- 10% VOLTAGE VARIATION FROM VOLTAGE CORRESPONDING TO THE TAP SHALL NOT EXCEEDS 1.65 Wb/m ² SHALL BE READ AS " FLUX DENSITY IN ANY PART OF CORE & YOKE SHALL NOT EXCEED 1.65 Wb/m² AT RATED VOLTAGE. "

Annex B (informative)

Definition of similar transformer

A transformer is considered similar to another transformer taken as a reference if it has the following characteristics in common with the latter:

- same type of operation, for example generator step-up unit, distribution, interconnection transformer;
 - same conceptual design, for example dry type, oil-immersed type, core type with concentric windings, sandwich type, shell type, circular coils, non-circular coils;
 - same arrangement and geometrical sequence of the main windings;
 - same type of winding conductors, for example aluminium, aluminium alloy, annealed or work-hardened copper, metal foil, wire, flat conductor, continuously transposed conductors and epoxy bonding, if used;
 - same type of main windings, for example helical-, disc-, layer-type, pancake coils;
 - absorbed power at short circuit (rated power/per unit short-circuit impedance) between 30 % and 130 % of that relating to the reference transformer;
 - axial forces and winding stresses occurring at short circuit not exceeding 120 % of those relating to the reference transformer;
 - same manufacturing processes;
 - same clamping and winding support arrangement.
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