

- 1- Please clarify whether **33/11kV 5 MVA and 8 MVA** is with **9 Position (+5% to -15% @ 2.5%)** or **17 Position (+5% to -15% @ 1.25%)** position **OLTC**? - **1. Refer Clause no -7.12.1 OFF-LOAD TAP-CHANGERS (For 3.15 MVA transformers) 2. Refer clause no 7.12.2 ON-LOAD TAP-CHANGERS (For 5 MVA & 8 MVA transformers)**
- 2- We understand **33/11kV 3.15MVA** is with **Off Circuit Tap Changer of 9 Position (+5% to -15% @ 2.5%)**.- **1. Refer Clause no -7.12.1 OFF-LOAD TAP-CHANGERS (For 3.15 MVA transformers) 2. Refer clause no 7.12.2 ON-LOAD TAP-CHANGERS (For 5 MVA & 8 MVA transformers)**
- 3- Transformer Monitoring Unit (TMU) Control Panel is not in our scope. - **Transformer Monitoring Unit (TMU) is not to be supplied by the bidder of the Transformer.**
- 4- Please confirm whether the RTCC Panel & AVR is required and is in our scope?- **Tap Changer Control and Transformer Monitoring Unit (TMU) are not to be supplied by the bidder of the Transformer.**
- 5- Kindly confirm whether the **NIFPS (Nitrogen Injection Fire Protection System)** system is to be provided by us or only provision in the transformer is required and is in our scope? - **NIFPS is not in the scope of bidder**

6. Range of Taping: As per Clause No. 18 (b) of technical specification the taping Range is mentioned as (+) 5% to (-) 15% in 8 equal steps of 2.5% each on HV winding, 9 Tap positions Tap No.3 will be the Principal Tap Position. However as per Clause No. 7.12.2 ON Load Tap-Changers of Technical. specification the taping Range is mentioned as (+) 5% to (-) 15% in 16 equal steps of 1.25% each on HV winding, 17 Tap positions. Kindly confirm the desired Tape Changer/Tap positions at the earliest. -- **1. Refer Clause no -7.12.1 OFF-LOAD TAP-CHANGERS (For 3.15 MVA transformers) 2. Refer clause no 7.12.2 ON-LOAD TAP-CHANGERS (For 5 MVA & 8 MVA transformers)**
7. Temperature Rise Limit: As per Clause No. 26 (a) & (b) of technical specification the Temperature Rise Limit of Transformer in OIL /Winding is 40/45 deg. C. However as per Clause No. 7.13.7(3) of technical specification the Temperature Rise Limit of Transformer in OIL /Winding is 45/55 deg. C . Kindly confirm the actual desired values. -- **specification to be complied as per clause no - 7.13.7**
8. % Impedance: As per Clause No. 15 of technical specification No any negative Tolerance is allowed in guaranteed % Impedance. However, $\pm 10\%$ Tolerance is allowed as per ISS. Kindly confirm amend the same as per ISS. --**Specification To be Complied**
9. Maximum Current Density: As per Clause No. 31 of technical specification the maximum Current Density is 2.6 Amp/mm Sq. However as per Clause No. 7.6.17 of technical specification the maximum Current Density shall not exceed 2.4Amp/mm Sq. Kindly confirm the actual desired values. -- **Specification to be complied as per clause no - 7.6.17**

10. We have a Type test report for 5MVA 33/11KV power Transformer, for 3.15MVA and 8MVA Transformer we will give undertaking stating we will conduct a Type test report on our cost against issue of order on us.). ---**Specification to be complied**