ITEM	DESCRIPTION	QTY
1	**ANSALDO Three Phase Motor (Stator Winding).** Type: **CT 800 W6** Rating: 2900KW , 994RPM , 6.3KV, 3Phase Amp: 322A Service Factor 1 Class of Insulation: Nema F Duty: Cont Ambient Temp: 47C **Scope of work:-** **A – Stator:-** * Supply Original Stator windings complete of frame suitable for **CT 800 W6 - S/N 61166**. * Stator insulating will be using vacuum pressure impregnation (**VPI**) method, class F. * Testing of winding resistance insulation will be carried out according **IEC** regulations. **B – Rotor:-** Mechanical tests (dynamic balance – axial displacement) will be done on rotor and preparing for safe operation. Rotor should be delivered with motor in good condition. **C -Bearing:-** Inspecting of bearings and fan cover and making the necessary rehabilitation to adjust vibration values within the accepted limits according to international standards. Replace the bearing housing & motor bearing (Sleeve bearing) with new one. **D – Assembled motor:-** The motor vibration values in the different directions should be within the accepted limits according to international standards, a safe operation of the motor should be guaranteed. **E – Complete motor electrical tests:-** Motor complete electrical tests will be done and test report will be submitted including the following test results: 1 – Short circuit current test 2 – Insulation resistance test 3 – High potential test and leakage current 4 – All temperature detectors testing	1

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	Scope of work will includes:- ▪ Carry out as received electrical checks prior to dismantling. ▪ Mark the coupling location and dismantle the motor complete inspect all parts and prepare an inspection report accordingly. ▪ Cleaning ▪ Check of all mechanical parts ▪ Check of the sleeve bearings ▪ Carry out the polarity of the windings and strip down the complete damaged windings. ▪ Removal of the old damaged winding with Pyrolyse ▪ Cleaning slots and wedge keyways to ensure correct fit of the coils and the wedge. ▪ Mounting of 6 x PT100 in the winding ▪ Carry out T.I.R concentricity checks on the rotor shaft, check the rotor bars S.C rings using NDT. ▪ Clean the rotor chemically; check the brazing on both ends of each rotor shorting ring ▪ Check the bearing fits on the housing and the bearing journals. ▪ Quality check of the new stator winding ▪ Reassemble the complete motor with new bearings. ▪ Assembling ▪ Test run the motor at rated voltage of 6KV ▪ New painting of the motor. ▪ Complete motor check. ▪ No Load test. ▪ Resistance check. ▪ Vibration check. ▪ Bearings check. ▪ Documentation in a complete test protocol. **- The following test will be carried out on the above motor:-** a. Individual phase winding resistance. b. Individual and complete winded IR/PI. c. Current and speed recording. d. Vibration and temperatures. e. 100% Impulse test. f. Partial discharge. g. Final HV flash.	

PHOTOS