3. INDUCTION MOTORS

a. Specifications for different types of motors, Duty, I.P. protection.

b. Installation: Location of the motors (including the foundation details) & its control apparatus, shaft & alignment for various coupling, fitting of pulleys & coupling, drying of windings.

c. Commissioning Test: Mechanical tests for alignment, air gap symmetry, tests for bearings, vibrations & balancing

d. Electrical Tests: Insulation test, earth resistance, high voltage test, starting up, failure to speed up to take the load, type of test, routine test, factory test and site test (in accordance with ISI code)

d. Specific Tests: Performance & temperature raise tests, stray load losses, shaft alignment, and re-rating & special duty capability.

4. SWITCH GEAR & PROTECTIVE DEVICES

Standards, types, specification, installation, commissioning tests, maintenance schedule, type & routine tests.