

ANNEXURE TO TENDER NO: DPS/MRPU/1/2/1862/OT/2812

I. MOTOR TESTING PANEL

Qty: 1 No.

1. It covers No load Test, Full load Test, Block Rotor test, Temperature rise test, Reduce voltage test for 3 Φ & 1 Φ Motor.
2. It measures Voltage, Current, Power, Power Factor (PF), Frequency, Torque with correction, RPM, corrected RPM, % slip, Efficiency of Motor, Input Power & VAR.
3. Torque Correction as per IS12615
4. Provision of change over switch for 1 –phase, DOL, star-Delta starter as required.
5. Phase change over for Clock Wise & Counter Clock Wise motor rotation as required.
6. Up-Down push buttons to increase & decrease voltage of Variac
7. Emergency stop button.
8. USB,RS-232/RS-485 Interface & free demo software.
9. 500 test data storage in built in power analyser.
10. Current rating 30A/50A/75A/100A/150A/200A & DC Dynamometer 0.5HP to 60HP.
11. Basic $\pm 0.1\%$ Accurate power Analyser.

i. 30Amp Motor testing Panel

Testing panel for 3-Phase Motor along with space of 3 Φ precision power analyser with RPM, Torque, Efficiency measurement with torque correction facility & computer Interface.

ii. Scope: To test 3 Φ Induction motor for No load ,full load test efficiency temperature rise test, Reduced voltage test etc. Software is useful to generate test report in computer. It will measure volt, current, Watt, PF, Hz, Torque in Kgm, Efficiency, RPM, %Slip, VA, VAR. of Motor.

iii. Major raw material: Powder coated panel. Contactors for DOL,S-D Starter, MCB for over current protection, start, stop, Inc, Dec, push buttons, Emergency stop button R,Y,B, Start Stop Indication lamps, I/O Terminals, Excitation Unit, Temperature Indicator with sensor etc.

II. 3 Φ motorised 0-440V, 30Amp air cooled Variac Suitable to the above test bench. Qty: 1 No.