

EQUIPMENT OVERHAUL & TEST REPORT

Job No: HY-TSD-TR-2026-0619	Date: 28/05/2026	Overall Result: PASS
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1. EQUIPMENT DETAILS

Project Details	Mushrif pumping station rehabilitation work		
Tag / Equipment ID	No tag	Location	Mishref Pump Room
Equipment Name	Smoke Exhaust Fan		
Motor Specs	5.5 kW 415 V 9.0 A		

2. ELECTRICAL & INSULATION CHECKS

Test Parameter	Measured Value	Result
Motor Rewinding & Stator Check	Stator Cleaned & Oven Dried	PASS
Winding Resistance (Ohms)	U1-U2: 3.434 Ω V1-V2: 3.366 Ω W1-W2: 3.400 Ω	PASS
Insulation Resistance (500V DC) - Phase to Ground	U-G: 473.22 MΩ V-G: 484.63 MΩ W-G: 460.47 MΩ	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 436.57 MΩ V-W: 441.33 MΩ W-U: 426.97 MΩ	PASS

3. MECHANICAL SEAL & BEARING REPLACEMENT

Component Checked	Replacement Details / Part No.	Result
Bearings - Drive End (DE)	Part No: 6208 2Z/C3 • Brand: SKF (Explorer Series) (Replaced New)	PASS
Bearings - Non-Drive End (NDE)	Part No: 6206 2Z/C3 • Brand: SKF (Explorer Series) (Replaced New)	PASS
Mechanical Seal & Leak Test	N/A (Fan Motor Drive) • Static Leak Test: N/A	PASS

4. OPERATIONAL RUN TEST

Test Parameter	Measured Value	Result
Running Current (A)	L1: 3.20 A L2: 3.26 A L3: 3.14 A	PASS
Bearing Temperature (°C)	DE: 47.5 °C NDE: 45.2 °C (Normal)	PASS
Vibration (mm/s RMS)	DE: 1.60 mm/s NDE: 1.68 mm/s (Good)	PASS
Rotation & Seal Check	Rotation: Correct (CW) Seal Leakage: Nil / None	PASS

5. SIGN-OFF & APPROVALS

PREPARED BY: ENG. JITHU THOMAS	INSPECTED BY: ASWATH KUMAR HOSDURG	APPROVED BY: ABU GEROGE
Signature Date: 28/05/2026	Signature Date: 28/05/2026	Signature Date: 28/05/2026