

EQUIPMENT OVERHAUL & TEST REPORT

Job No: **HY-TSD-TR-2026-0615**

Date: **03/05/2026**

Overall Result:

PASS

1. EQUIPMENT DETAILS

Project Details	Mushrif pumping station rehabilitation work		
Tag / Equipment ID	SF 04	Location	LL
Equipment Name	Smoke Exhaust Fan		
Motor Specs	15 kW 415 V 24.6 A		

2. ELECTRICAL & INSULATION CHECKS

Test Parameter	Measured Value	Result
Motor Rewinding & Stator Check	Stator Cleaned & Oven Dried	PASS
Winding Resistance (Ohms)	U1-U2: 0.848 Ω V1-V2: 0.832 Ω W1-W2: 0.840 Ω	PASS
Insulation Resistance (500V DC) - Phase to Ground	U-G: 462.86 MΩ V-G: 469.18 MΩ W-G: 450.29 MΩ	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 472.78 MΩ V-W: 481.22 MΩ W-U: 465.17 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: 8.60 A L2: 8.77 A L3: 8.43 A	PASS
Bearing Temperature (°C)	DE: 48.5 °C NDE: 48.2 °C (Normal)	PASS
Vibration (mm/s RMS)	DE: 1.70 mm/s NDE: 1.79 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 GEROG
Signature	Signature	Signature
Date: 03/05/2026	Date: 03/05/2026	Date: 03/05/2026