

EQUIPMENT OVERHAUL & TEST REPORT

Job No: TR-2026-0001

Date: 04/05/2026

Overall Result: PASS

1. EQUIPMENT DETAILS

Project Details	Mushrif pumping station rehabilitation work		
Tag / Equipment ID	OCF 01	Location	ML-1
Equipment Name	Odur control extract fan motor		
Motor Specs	160 kW 415 V 261.9 A		

2. ELECTRICAL & INSULATION CHECKS

Test Parameter	Measured Value	Result
Motor Rewinding & Stator Check	REPLACED AND TESTED OK	PASS
Winding Resistance (Ohms)	U-V: 0.121 Ω V-W: 0.119 Ω W-U: 0.120 Ω	PASS
Insulation Resistance (500V DC) - Phase to Ground	434.16 M Ω (Min standard: > 5 M Ω)	PASS
Insulation Resistance (500V DC) - Phase to Phase	446.79 M Ω (Min standard: > 5 M Ω)	PASS

3. MECHANICAL SEAL & BEARING REPLACEMENT

Component Checked	Replacement Details / Part No.	Result
Bearings - Drive End (DE)	Part No: 6316 C3 • Brand: SKF (Explorer Series) (Replaced New)	PASS
Bearings - Non-Drive End (NDE)	Part No: 6314 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: 91.30 A L2: 93.13 A L3: 89.47 A	PASS
Bearing Temperature (°C)	DE: 48.5 °C NDE: 43.2 °C (Normal)	PASS
Vibration (mm/s RMS)	DE: 2.10 mm/s NDE: 2.21 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: 04/05/2026	Date: 04/05/2026	Date: 04/05/2026