

EQUIPMENT OVERHAUL & TEST REPORT

Job No: TR-2026-0024

Date: 17/05/2026

Overall Result: PASS

1. EQUIPMENT DETAILS

Project Details	Mushrif pumping station rehabilitation work		
Tag / Equipment ID	SCRV-12	Location	LL
Equipment Name	Bar Screen -2 (Bottom motor)		
Motor Specs	14.9 kW 415 V 24.4 A		

2. ELECTRICAL & INSULATION CHECKS

Test Parameter	Measured Value	Result
Motor Rewinding & Stator Check	REPLACED AND TESTED OK	PASS
Winding Resistance (Ohms)	U-V: 0.848 Ω V-W: 0.832 Ω W-U: 0.840 Ω	PASS
Insulation Resistance (500V DC) - Phase to Ground	438.74 M Ω (Min standard: > 5 M Ω)	PASS
Insulation Resistance (500V DC) - Phase to Phase	423.41 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: 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: 8.50 A L2: 8.67 A L3: 8.33 A	PASS
Bearing Temperature (°C)	DE: 52.5 °C NDE: 41.2 °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	Signature	Signature
Date: 17/05/2026	Date: 17/05/2026	Date: 17/05/2026