

EQUIPMENT OVERHAUL & TEST REPORT

Job No: TR-2026-0028

Date: 21/05/2026

Overall Result: PASS

1. EQUIPMENT DETAILS

Project Details	Mushrif pumping station rehabilitation work		
Tag / Equipment ID	SCRV-22	Location	LL
Equipment Name	Bar Screen -4 (Bottom motor)		
Motor Specs	15 HP (11.2 kW) 415 V 18.3 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	452.51 M Ω (Min standard: > 5 M Ω)	PASS
Insulation Resistance (500V DC) - Phase to Phase	431.52 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: 6.40 A L2: 6.53 A L3: 6.27 A	PASS
Bearing Temperature (°C)	DE: 45.5 °C NDE: 46.2 °C (Normal)	PASS
Vibration (mm/s RMS)	DE: 1.50 mm/s NDE: 1.58 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: 21/05/2026	Date: 21/05/2026	Date: 21/05/2026