

EQUIPMENT OVERHAUL & TEST REPORT

Job No: **TR-2026-0029**Date: **19/05/2026**Overall Result: **PASS**

1. EQUIPMENT DETAILS

Project Details	Mushrif pumping station rehabilitation work		
Tag / Equipment ID	GT-11	Location	LL
Equipment Name	Grit Chamber - 1		
Motor Specs	0.75 kW 415 V 1.2 A		

2. ELECTRICAL & INSULATION CHECKS

Test Parameter	Measured Value	Result
Motor Rewinding & Stator Check	REPLACED AND TESTED OK	PASS
Winding Resistance (Ohms)	U-V: 3.434 Ω V-W: 3.366 Ω W-U: 3.400 Ω	PASS
Insulation Resistance (500V DC) – Phase to Ground	458.04 MΩ (Min standard: > 5 MΩ)	PASS
Insulation Resistance (500V DC) – Phase to Phase	435.22 MΩ (Min standard: > 5 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: 0.40 A L2: 0.41 A L3: 0.39 A	PASS
Bearing Temperature (°C)	DE: 52.5 °C NDE: 44.2 °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: 19/05/2026	Date: 19/05/2026	Date: 19/05/2026