

EQUIPMENT OVERHAUL & TEST REPORT

Job No: HY-TSD-TR-2026-0623	Date: 28/05/2026	Overall Result: PASS
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1. EQUIPMENT DETAILS

Project Details	Mushrif pumping station rehabilitation work		
Tag / Equipment ID	NA	Location	NA
Equipment Name	Sump pump 1 Flygt 3057.181		
Motor Specs	4.7 kW 415 V 7.7 A		
Pump Specs	Model: Flygt Submersible / KSB		

2. ELECTRICAL & INSULATION CHECKS

Test Parameter	Measured Value	Result
Motor Rewinding & Stator Check	Stator Cleaned & Oven Dried	PASS
Winding Resistance (Ohms)	U1-U2: 3.434 Ω V1-V2: 3.366 Ω W1-W2: 3.400 Ω	PASS
Insulation Resistance (500V DC) - Phase to Ground	U-G: 431.83 MΩ V-G: 442.83 MΩ W-G: 418.83 MΩ	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 441.39 MΩ V-W: 453.57 MΩ W-U: 437.14 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	Burgmann MG1 / 45mm SiC/SiC/Viton • Material: SiC / SiC / Viton	PASS

4. OPERATIONAL RUN TEST

Test Parameter	Measured Value	Result
Running Current (A)	L1: 2.70 A L2: 2.75 A L3: 2.65 A	PASS
Bearing Temperature (°C)	DE: 52.5 °C NDE: 40.2 °C (Normal)	PASS
Vibration (mm/s RMS)	DE: 2.20 mm/s NDE: 2.31 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 GEROGÉ
_____ Signature	_____ Signature	_____ Signature
Date: 28/05/2026	Date: 28/05/2026	Date: 28/05/2026