

EQUIPMENT OVERHAUL & TEST REPORT

Job No: **HY-TSD-TR-2026-0586**

Date: **24/05/2026**

Overall Result:

PASS

1. EQUIPMENT DETAILS

Project Details	Mushrif pumping station rehabilitation work		
Tag / Equipment ID	SCR-1	Location	LL
Equipment Name	Emergency pump trench (Top motor)		
Motor Specs	1.5 kW 415 V 2.5 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: 452.65 MΩ V-G: 456.24 MΩ W-G: 445.39 MΩ	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 414.70 MΩ V-W: 422.12 MΩ W-U: 401.40 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: 0.80 A L2: 0.82 A L3: 0.78 A	PASS
Bearing Temperature (°C)	DE: 49.5 °C NDE: 43.2 °C (Normal)	PASS
Vibration (mm/s RMS)	DE: 1.40 mm/s NDE: 1.47 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: 24/05/2026	Date: 24/05/2026	Date: 24/05/2026