

EQUIPMENT OVERHAUL & TEST REPORT

Job No: **HY-TSD-TR-2026-0571**

Date: **21/05/2026**

Overall Result:

PASS

1. EQUIPMENT DETAILS

Project Details	Mushrif pumping station rehabilitation work		
Tag / Equipment ID	RCP 01	Location	ML-1
Equipment Name	Odur control recirculation pump with motor		
Motor Specs	44.7 kW 415 V 73.2 A		
Pump Specs	Model: Flygt Submersible / KSB		

2. ELECTRICAL & INSULATION CHECKS

Test Parameter	Measured Value	Result
Motor Rewinding & Stator Check	Rewinded & Tested OK	PASS
Winding Resistance (Ohms)	U1-U2: 0.302 Ω V1-V2: 0.425 Ω W1-W2: 0.375 Ω	PASS
Insulation Resistance (500V DC) - Phase to Ground	U-G: 446.51 MΩ V-G: 451.00 MΩ W-G: 431.83 MΩ	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 489.78 MΩ V-W: 494.78 MΩ W-U: 484.22 MΩ	PASS

3. MECHANICAL SEAL & BEARING REPLACEMENT

Component Checked	Replacement Details / Part No.	Result
Bearings - Drive End (DE)	Part No: 6316 C3 • Brand: SKF (Explorer Series) (Replaced New)	PASS
Bearings - Non-Drive End (NDE)	Part No: 6314 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: 25.50 A L2: 26.01 A L3: 24.99 A	PASS
Bearing Temperature (°C)	DE: 48.5 °C NDE: 43.2 °C (Normal)	PASS
Vibration (mm/s RMS)	DE: 1.70 mm/s NDE: 1.70 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 GEROG
Signature	Signature	Signature
Date: 21/05/2026	Date: 21/05/2026	Date: 21/05/2026