

EQUIPMENT OVERHAUL & TEST REPORT

Job No: **HY-TSD-TR-2026-0600**

Date: **20/05/2026**

Overall Result:

PASS

1. EQUIPMENT DETAILS

Project Details	Mushrif pumping station rehabilitation work		
Tag / Equipment ID	GP-14	Location	LL
Equipment Name	Grit Chamber - 2 pump room (Motor + Pump)		
Motor Specs	30 kW 415 V 49.1 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: 0.848 Ω V1-V2: 0.832 Ω W1-W2: 0.840 Ω	PASS
Insulation Resistance (500V DC) - Phase to Ground	U-G: 478.18 MΩ V-G: 483.97 MΩ W-G: 468.61 MΩ	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 487.87 MΩ V-W: 498.11 MΩ W-U: 478.40 MΩ	PASS

3. MECHANICAL SEAL & BEARING REPLACEMENT

Component Checked	Replacement Details / Part No.	Result
Bearings - Drive End (DE)	Part No: 6312 2Z/C3 • Brand: SKF (Explorer Series) (Replaced New)	PASS
Bearings - Non-Drive End (NDE)	Part No: 6310 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: 17.10 A L2: 17.44 A L3: 16.76 A	PASS
Bearing Temperature (°C)	DE: 44.5 °C NDE: 45.2 °C (Normal)	PASS
Vibration (mm/s RMS)	DE: 1.80 mm/s NDE: 1.89 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 Date: 20/05/2026	Signature Date: 20/05/2026	Signature Date: 20/05/2026