

EQUIPMENT OVERHAUL & TEST REPORT

Job No: HY-TSD-TR-2026-0567	Date: 20/05/2026	Overall Result: PASS
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1. EQUIPMENT DETAILS

Project Details	Mushrif pumping station rehabilitation work		
Tag / Equipment ID	OCF 01	Location	ML-1
Equipment Name	Odur control extract fan motor		
Motor Specs	160 kW 415 V 261.9 A		

2. ELECTRICAL & INSULATION CHECKS

Test Parameter	Measured Value	Result
Motor Rewinding & Stator Check	Rewinded & Tested OK	PASS
Winding Resistance (Ohms)	U1-U2: 0.121 Ω V1-V2: 0.119 Ω W1-W2: 0.120 Ω	PASS
Insulation Resistance (500V DC) - Phase to Ground	U-G: 436.38 MΩ V-G: 442.15 MΩ W-G: 421.90 MΩ	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 483.03 MΩ V-W: 487.00 MΩ W-U: 471.37 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	N/A (Fan Motor Drive) • Static Leak Test: N/A	PASS

4. OPERATIONAL RUN TEST

Test Parameter	Measured Value	Result
Running Current (A)	L1: 91.30 A L2: 93.13 A L3: 89.47 A	PASS
Bearing Temperature (°C)	DE: 44.5 °C NDE: 48.2 °C (Normal)	PASS
Vibration (mm/s RMS)	DE: 1.80 mm/s NDE: 1.80 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 _____ Date: 20/05/2026	Signature _____ Date: 20/05/2026	Signature _____ Date: 20/05/2026

EQUIPMENT OVERHAUL & TEST REPORT

Job No: HY-TSD-TR-2026-0568	Date: 02/05/2026	Overall Result: PASS
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1. EQUIPMENT DETAILS

Project Details	Mushrif pumping station rehabilitation work		
Tag / Equipment ID	OCF 02	Location	ML-1
Equipment Name	Odur control extract fan motor		
Motor Specs	160 kW 415 V 261.9 A		

2. ELECTRICAL & INSULATION CHECKS

Test Parameter	Measured Value	Result
Motor Rewinding & Stator Check	Rewinded & Tested OK	PASS
Winding Resistance (Ohms)	U1-U2: 0.121 Ω V1-V2: 0.119 Ω W1-W2: 0.120 Ω	PASS
Insulation Resistance (500V DC) - Phase to Ground	U-G: 442.08 MΩ V-G: 451.91 MΩ W-G: 427.23 MΩ	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 488.97 MΩ V-W: 494.10 MΩ W-U: 478.90 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	N/A (Fan Motor Drive) • Static Leak Test: N/A	PASS

4. OPERATIONAL RUN TEST

Test Parameter	Measured Value	Result
Running Current (A)	L1: 91.30 A L2: 93.13 A L3: 89.47 A	PASS
Bearing Temperature (°C)	DE: 46.5 °C NDE: 46.2 °C (Normal)	PASS
Vibration (mm/s RMS)	DE: 1.70 mm/s NDE: 1.79 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 _____ Date: 02/05/2026	Signature _____ Date: 02/05/2026	Signature _____ Date: 02/05/2026

EQUIPMENT OVERHAUL & TEST REPORT

Job No: **HY-TSD-TR-2026-0569**Date: **21/05/2026**

Overall Result:

PASS

1. EQUIPMENT DETAILS

Project Details	Mushrif pumping station rehabilitation work		
Tag / Equipment ID	OCF 03	Location	ML-1
Equipment Name	Odur control extract fan motor		
Motor Specs	160 kW 415 V 261.9 A		

2. ELECTRICAL & INSULATION CHECKS

Test Parameter	Measured Value	Result
Motor Rewinding & Stator Check	Rewinded & Tested OK	PASS
Winding Resistance (Ohms)	U1-U2: 0.121 Ω V1-V2: 0.119 Ω W1-W2: 0.120 Ω	PASS
Insulation Resistance (500V DC) - Phase to Ground	U-G: 434.82 M Ω V-G: 439.15 M Ω W-G: 426.03 M Ω	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 465.99 M Ω V-W: 472.29 M Ω W-U: 459.58 M Ω	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	N/A (Fan Motor Drive) • Static Leak Test: N/A	PASS

4. OPERATIONAL RUN TEST

Test Parameter	Measured Value	Result
Running Current (A)	L1: 91.30 A L2: 93.13 A L3: 89.47 A	PASS
Bearing Temperature (°C)	DE: 49.5 °C NDE: 48.2 °C (Normal)	PASS
Vibration (mm/s RMS)	DE: 1.30 mm/s NDE: 1.37 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: 21/05/2026	Date: 21/05/2026	Date: 21/05/2026

EQUIPMENT OVERHAUL & TEST REPORT

Job No: HY-TSD-TR-2026-0570	Date: 03/05/2026	Overall Result: PASS
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1. EQUIPMENT DETAILS

Project Details	Mushrif pumping station rehabilitation work		
Tag / Equipment ID	OCF 04	Location	ML-1
Equipment Name	Odur control extract fan motor		
Motor Specs	160 kW 415 V 261.9 A		

2. ELECTRICAL & INSULATION CHECKS

Test Parameter	Measured Value	Result
Motor Rewinding & Stator Check	Rewinded & Tested OK	PASS
Winding Resistance (Ohms)	U1-U2: 0.121 Ω V1-V2: 0.119 Ω W1-W2: 0.120 Ω	PASS
Insulation Resistance (500V DC) - Phase to Ground	U-G: 433.72 MΩ V-G: 442.18 MΩ W-G: 419.28 MΩ	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 462.86 MΩ V-W: 465.94 MΩ W-U: 458.02 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	N/A (Fan Motor Drive) • Static Leak Test: N/A	PASS

4. OPERATIONAL RUN TEST

Test Parameter	Measured Value	Result
Running Current (A)	L1: 91.30 A L2: 93.13 A L3: 89.47 A	PASS
Bearing Temperature (°C)	DE: 51.5 °C NDE: 45.2 °C (Normal)	PASS
Vibration (mm/s RMS)	DE: 2.00 mm/s NDE: 2.10 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 _____ Date: 03/05/2026	Signature _____ Date: 03/05/2026	Signature _____ Date: 03/05/2026

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

EQUIPMENT OVERHAUL & TEST REPORT

Job No: **HY-TSD-TR-2026-0572**Date: **12/05/2026**

Overall Result:

PASS

1. EQUIPMENT DETAILS

Project Details	Mushrif pumping station rehabilitation work		
Tag / Equipment ID	RCP 02	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: 0.121 Ω V1-V2: 0.119 Ω W1-W2: 0.120 Ω	PASS
Insulation Resistance (500V DC) - Phase to Ground	U-G: 488.86 MΩ V-G: 491.90 MΩ W-G: 484.36 MΩ	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 487.38 MΩ V-W: 498.17 MΩ W-U: 483.43 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: 44.5 °C NDE: 48.2 °C (Normal)	PASS
Vibration (mm/s RMS)	DE: 1.20 mm/s NDE: 1.26 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: 12/05/2026	Date: 12/05/2026	Date: 12/05/2026

EQUIPMENT OVERHAUL & TEST REPORT

Job No: **HY-TSD-TR-2026-0573**Date: **18/05/2026**

Overall Result:

PASS

1. EQUIPMENT DETAILS

Project Details	Mushrif pumping station rehabilitation work		
Tag / Equipment ID	RCP 03	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: 0.121 Ω V1-V2: 0.119 Ω W1-W2: 0.120 Ω	PASS
Insulation Resistance (500V DC) - Phase to Ground	U-G: 418.19 MΩ V-G: 427.11 MΩ W-G: 411.11 MΩ	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 461.25 MΩ V-W: 471.04 MΩ W-U: 450.11 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: 52.5 °C NDE: 48.2 °C (Normal)	PASS
Vibration (mm/s RMS)	DE: 1.70 mm/s NDE: 1.79 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: 18/05/2026	Date: 18/05/2026	Date: 18/05/2026

EQUIPMENT OVERHAUL & TEST REPORT

Job No: **HY-TSD-TR-2026-0574**Date: **14/05/2026**

Overall Result:

PASS

1. EQUIPMENT DETAILS

Project Details	Mushrif pumping station rehabilitation work		
Tag / Equipment ID	RCP 04	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: 0.121 Ω V1-V2: 0.119 Ω W1-W2: 0.120 Ω	PASS
Insulation Resistance (500V DC) - Phase to Ground	U-G: 477.28 MΩ V-G: 490.73 MΩ W-G: 462.90 MΩ	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 414.43 MΩ V-W: 422.99 MΩ W-U: 400.92 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: 45.5 °C NDE: 43.2 °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 GEROGE
Signature	Signature	Signature
Date: 14/05/2026	Date: 14/05/2026	Date: 14/05/2026

EQUIPMENT OVERHAUL & TEST REPORT

Job No: HY-TSD-TR-2026-0575	Date: 12/05/2026	Overall Result: PASS
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1. EQUIPMENT DETAILS

Project Details	Mushrif pumping station rehabilitation work		
Tag / Equipment ID	SF-03	Location	ML-1
Equipment Name	Supply fan		
Motor Specs	7.5 kW 415 V 12.3 A		

2. ELECTRICAL & INSULATION CHECKS

Test Parameter	Measured Value	Result
Motor Rewinding & Stator Check	Rewinded & Tested OK	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: 418.12 MΩ V-G: 429.64 MΩ W-G: 407.63 MΩ	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 434.61 MΩ V-W: 442.01 MΩ W-U: 420.41 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: 4.30 A L2: 4.39 A L3: 4.21 A	PASS
Bearing Temperature (°C)	DE: 44.5 °C NDE: 48.2 °C (Normal)	PASS
Vibration (mm/s RMS)	DE: 1.50 mm/s NDE: 1.58 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 _____ Date: 12/05/2026	Signature _____ Date: 12/05/2026	Signature _____ Date: 12/05/2026

EQUIPMENT OVERHAUL & TEST REPORT

Job No: HY-TSD-TR-2026-0576	Date: 17/05/2026	Overall Result: PASS
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1. EQUIPMENT DETAILS

Project Details	Mushrif pumping station rehabilitation work		
Tag / Equipment ID	SF-04	Location	ML-1
Equipment Name	Supply fan		
Motor Specs	7.5 kW 415 V 12.3 A		

2. ELECTRICAL & INSULATION CHECKS

Test Parameter	Measured Value	Result
Motor Rewinding & Stator Check	Rewinded & Tested OK	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: 456.05 MΩ V-G: 470.33 MΩ W-G: 444.93 MΩ	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 436.20 MΩ V-W: 449.07 MΩ W-U: 422.04 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: 4.30 A L2: 4.39 A L3: 4.21 A	PASS
Bearing Temperature (°C)	DE: 44.5 °C NDE: 44.2 °C (Normal)	PASS
Vibration (mm/s RMS)	DE: 1.90 mm/s NDE: 2.00 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 _____ Date: 17/05/2026	Signature _____ Date: 17/05/2026	Signature _____ Date: 17/05/2026

EQUIPMENT OVERHAUL & TEST REPORT

Job No: HY-TSD-TR-2026-0577

Date: 20/05/2026

Overall Result:

PASS

1. EQUIPMENT DETAILS

Project Details	Mushrif pumping station rehabilitation work		
Tag / Equipment ID	SF-07	Location	LL
Equipment Name	Supply fan		
Motor Specs	7.5 kW 415 V 12.3 A		

2. ELECTRICAL & INSULATION CHECKS

Test Parameter	Measured Value	Result
Motor Rewinding & Stator Check	Rewinded & Tested OK	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: 453.46 MΩ V-G: 462.88 MΩ W-G: 441.40 MΩ	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 418.09 MΩ V-W: 423.88 MΩ W-U: 410.20 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: 4.30 A L2: 4.39 A L3: 4.21 A	PASS
Bearing Temperature (°C)	DE: 47.5 °C NDE: 43.2 °C (Normal)	PASS
Vibration (mm/s RMS)	DE: 1.30 mm/s NDE: 1.37 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: 20/05/2026	Date: 20/05/2026	Date: 20/05/2026

EQUIPMENT OVERHAUL & TEST REPORT

Job No: HY-TSD-TR-2026-0578	Date: 10/05/2026	Overall Result: PASS
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1. EQUIPMENT DETAILS

Project Details	Mushrif pumping station rehabilitation work		
Tag / Equipment ID	SF-08	Location	LL
Equipment Name	Supply fan		
Motor Specs	7.5 kW 415 V 12.3 A		

2. ELECTRICAL & INSULATION CHECKS

Test Parameter	Measured Value	Result
Motor Rewinding & Stator Check	Rewinded & Tested OK	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: 437.35 MΩ V-G: 440.90 MΩ W-G: 430.58 MΩ	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 446.09 MΩ V-W: 449.95 MΩ W-U: 433.88 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: 4.30 A L2: 4.39 A L3: 4.21 A	PASS
Bearing Temperature (°C)	DE: 46.5 °C NDE: 43.2 °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 GEROGE
Signature _____ Date: 10/05/2026	Signature _____ Date: 10/05/2026	Signature _____ Date: 10/05/2026

EQUIPMENT OVERHAUL & TEST REPORT

Job No: HY-TSD-TR-2026-0579	Date: 26/05/2026	Overall Result: PASS
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1. EQUIPMENT DETAILS

Project Details	Mushrif pumping station rehabilitation work		
Tag / Equipment ID	CT 03	Location	ML-1
Equipment Name	Chemical Mixer		
Motor Specs	0.75 kW 415 V 1.2 A		

2. ELECTRICAL & INSULATION CHECKS

Test Parameter	Measured Value	Result
Motor Rewinding & Stator Check	Rewinded & Tested OK	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: 453.52 MΩ V-G: 459.03 MΩ W-G: 438.74 MΩ	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 479.81 MΩ V-W: 490.02 MΩ W-U: 469.91 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: 51.5 °C NDE: 43.2 °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 GEROGE
Signature _____ Date: 26/05/2026	Signature _____ Date: 26/05/2026	Signature _____ Date: 26/05/2026

EQUIPMENT OVERHAUL & TEST REPORT

Job No: HY-TSD-TR-2026-0580	Date: 04/05/2026	Overall Result: PASS
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1. EQUIPMENT DETAILS

Project Details	Mushrif pumping station rehabilitation work		
Tag / Equipment ID	CT 04	Location	ML-1
Equipment Name	Chemical Mixer		
Motor Specs	0.75 kW 415 V 1.2 A		

2. ELECTRICAL & INSULATION CHECKS

Test Parameter	Measured Value	Result
Motor Rewinding & Stator Check	Rewinded & Tested OK	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: 418.18 MΩ V-G: 432.20 MΩ W-G: 404.53 MΩ	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 415.63 MΩ V-W: 430.33 MΩ W-U: 409.61 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: 50.5 °C NDE: 48.2 °C (Normal)	PASS
Vibration (mm/s RMS)	DE: 2.00 mm/s NDE: 2.10 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 _____ Date: 04/05/2026	Signature _____ Date: 04/05/2026	Signature _____ Date: 04/05/2026

EQUIPMENT OVERHAUL & TEST REPORT

Job No: **HY-TSD-TR-2026-0581**

Date: **20/05/2026**

Overall Result:

PASS

1. EQUIPMENT DETAILS

Project Details	Mushrif pumping station rehabilitation work		
Tag / Equipment ID	CT-05	Location	ML-1
Equipment Name	Chemical dosing pump with motor (H2SO4 tank)		
Motor Specs	0.3 kW 415 V 0.5 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: 3.434 Ω V1-V2: 3.366 Ω W1-W2: 3.400 Ω	PASS
Insulation Resistance (500V DC) - Phase to Ground	U-G: 425.54 MΩ V-G: 435.85 MΩ W-G: 411.48 MΩ	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 489.77 MΩ V-W: 494.34 MΩ W-U: 476.20 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: 0.20 A L2: 0.20 A L3: 0.20 A	PASS
Bearing Temperature (°C)	DE: 51.5 °C NDE: 44.2 °C (Normal)	PASS
Vibration (mm/s RMS)	DE: 1.90 mm/s NDE: 2.00 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: 20/05/2026	Date: 20/05/2026	Date: 20/05/2026

EQUIPMENT OVERHAUL & TEST REPORT

Job No: HY-TSD-TR-2026-0582	Date: 26/05/2026	Overall Result: PASS
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1. EQUIPMENT DETAILS

Project Details	Mushrif pumping station rehabilitation work		
Tag / Equipment ID	DPS 01	Location	ML-1
Equipment Name	Chemical dosing pump with motor (Scrubber)		
Motor Specs	0.25 kW 415 V 0.4 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: 3.434 Ω V1-V2: 3.366 Ω W1-W2: 3.400 Ω	PASS
Insulation Resistance (500V DC) - Phase to Ground	U-G: 461.34 MΩ V-G: 467.68 MΩ W-G: 458.06 MΩ	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 463.72 MΩ V-W: 476.03 MΩ W-U: 453.06 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: 0.10 A L2: 0.10 A L3: 0.10 A	PASS
Bearing Temperature (°C)	DE: 48.5 °C NDE: 43.2 °C (Normal)	PASS
Vibration (mm/s RMS)	DE: 1.30 mm/s NDE: 1.37 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: 26/05/2026	Date: 26/05/2026	Date: 26/05/2026

EQUIPMENT OVERHAUL & TEST REPORT

Job No: HY-TSD-TR-2026-0583	Date: 25/05/2026	Overall Result: PASS
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1. EQUIPMENT DETAILS

Project Details	Mushrif pumping station rehabilitation work		
Tag / Equipment ID	DPS 02	Location	ML-1
Equipment Name	Chemical dosing pump with motor (Scrubber)		
Motor Specs	0.25 kW 415 V 0.4 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: 3.434 Ω V1-V2: 3.366 Ω W1-W2: 3.400 Ω	PASS
Insulation Resistance (500V DC) - Phase to Ground	U-G: 424.18 MΩ V-G: 430.30 MΩ W-G: 417.26 MΩ	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 476.07 MΩ V-W: 483.35 MΩ W-U: 467.74 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: 0.10 A L2: 0.10 A L3: 0.10 A	PASS
Bearing Temperature (°C)	DE: 52.5 °C NDE: 43.2 °C (Normal)	PASS
Vibration (mm/s RMS)	DE: 1.30 mm/s NDE: 1.37 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 _____ Date: 25/05/2026	Signature _____ Date: 25/05/2026	Signature _____ Date: 25/05/2026

EQUIPMENT OVERHAUL & TEST REPORT

Job No: HY-TSD-TR-2026-0584	Date: 09/05/2026	Overall Result: PASS
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1. EQUIPMENT DETAILS

Project Details	Mushrif pumping station rehabilitation work		
Tag / Equipment ID	DPS 03	Location	ML-1
Equipment Name	Chemical dosing pump with motor (Scrubber)		
Motor Specs	0.25 kW 415 V 0.4 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: 3.434 Ω V1-V2: 3.366 Ω W1-W2: 3.400 Ω	PASS
Insulation Resistance (500V DC) - Phase to Ground	U-G: 423.51 MΩ V-G: 435.59 MΩ W-G: 411.29 MΩ	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 464.80 MΩ V-W: 470.40 MΩ W-U: 451.74 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: 0.10 A L2: 0.10 A L3: 0.10 A	PASS
Bearing Temperature (°C)	DE: 45.5 °C NDE: 42.2 °C (Normal)	PASS
Vibration (mm/s RMS)	DE: 1.30 mm/s NDE: 1.37 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 _____ Date: 09/05/2026	Signature _____ Date: 09/05/2026	Signature _____ Date: 09/05/2026

EQUIPMENT OVERHAUL & TEST REPORT

Job No: HY-TSD-TR-2026-0585	Date: 27/05/2026	Overall Result: PASS
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1. EQUIPMENT DETAILS

Project Details	Mushrif pumping station rehabilitation work		
Tag / Equipment ID	DPS 04	Location	ML-1
Equipment Name	Chemical dosing pump with motor (Scrubber)		
Motor Specs	0.25 kW 415 V 0.4 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: 3.434 Ω V1-V2: 3.366 Ω W1-W2: 3.400 Ω	PASS
Insulation Resistance (500V DC) - Phase to Ground	U-G: 415.48 MΩ V-G: 424.22 MΩ W-G: 401.27 MΩ	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 460.87 MΩ V-W: 465.38 MΩ W-U: 453.98 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: 0.10 A L2: 0.10 A L3: 0.10 A	PASS
Bearing Temperature (°C)	DE: 51.5 °C NDE: 44.2 °C (Normal)	PASS
Vibration (mm/s RMS)	DE: 1.50 mm/s NDE: 1.58 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: 27/05/2026	Date: 27/05/2026	Date: 27/05/2026

EQUIPMENT OVERHAUL & TEST REPORT

Job No: HY-TSD-TR-2026-0586	Date: 24/05/2026	Overall Result: PASS
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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	Rewinded & Tested OK	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 _____ Date: 24/05/2026	Signature _____ Date: 24/05/2026	Signature _____ Date: 24/05/2026

EQUIPMENT OVERHAUL & TEST REPORT

Job No: **HY-TSD-TR-2026-0587**Date: **03/05/2026**

Overall Result:

PASS

1. EQUIPMENT DETAILS

Project Details	Mushrif pumping station rehabilitation work		
Tag / Equipment ID	SCR-11	Location	LL
Equipment Name	Bar Screen -1 (Top motor)		
Motor Specs	0.55 kW 415 V 0.9 A		

2. ELECTRICAL & INSULATION CHECKS

Test Parameter	Measured Value	Result
Motor Rewinding & Stator Check	Rewinded & Tested OK	PASS
Winding Resistance (Ohms)	U1-U2: 14.600 Ω V1-V2: 14.900 Ω W1-W2: 13.900 Ω	PASS
Insulation Resistance (500V DC) - Phase to Ground	U-G: 457.25 MΩ V-G: 469.48 MΩ W-G: 452.96 MΩ	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 425.20 MΩ V-W: 439.98 MΩ W-U: 411.08 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: 0.30 A L2: 0.31 A L3: 0.29 A	PASS
Bearing Temperature (°C)	DE: 45.5 °C NDE: 46.2 °C (Normal)	PASS
Vibration (mm/s RMS)	DE: 1.30 mm/s NDE: 1.30 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: 03/05/2026	Date: 03/05/2026	Date: 03/05/2026

EQUIPMENT OVERHAUL & TEST REPORT

Job No: HY-TSD-TR-2026-0588	Date: 16/05/2026	Overall Result: PASS
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1. EQUIPMENT DETAILS

Project Details	Mushrif pumping station rehabilitation work		
Tag / Equipment ID	SCRV-11	Location	LL
Equipment Name	Bar Screen -1 (Bottom Motor)		
Motor Specs	2.98 kW 415 V 4.9 A		

2. ELECTRICAL & INSULATION CHECKS

Test Parameter	Measured Value	Result
Motor Rewinding & Stator Check	Rewinded & Tested OK	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: 464.69 MΩ V-G: 470.57 MΩ W-G: 456.77 MΩ	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 448.93 MΩ V-W: 463.05 MΩ W-U: 437.22 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: 8.60 A L2: 8.77 A L3: 8.43 A	PASS
Bearing Temperature (°C)	DE: 48.5 °C NDE: 43.2 °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 GEROGE
Signature _____ Date: 16/05/2026	Signature _____ Date: 16/05/2026	Signature _____ Date: 16/05/2026

EQUIPMENT OVERHAUL & TEST REPORT

Job No: HY-TSD-TR-2026-0589	Date: 21/05/2026	Overall Result: PASS
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1. EQUIPMENT DETAILS

Project Details	Mushrif pumping station rehabilitation work		
Tag / Equipment ID	SCR-12	Location	LL
Equipment Name	Bar Screen -2 (Top motor)		
Motor Specs	0.55 kW 415 V 0.9 A		

2. ELECTRICAL & INSULATION CHECKS

Test Parameter	Measured Value	Result
Motor Rewinding & Stator Check	Rewinded & Tested OK	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: 415.72 MΩ V-G: 426.23 MΩ W-G: 408.21 MΩ	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 485.11 MΩ V-W: 494.89 MΩ W-U: 481.58 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: 0.30 A L2: 0.31 A L3: 0.29 A	PASS
Bearing Temperature (°C)	DE: 45.5 °C NDE: 42.2 °C (Normal)	PASS
Vibration (mm/s RMS)	DE: 1.50 mm/s NDE: 1.58 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 _____ Date: 21/05/2026	Signature _____ Date: 21/05/2026	Signature _____ Date: 21/05/2026

EQUIPMENT OVERHAUL & TEST REPORT

Job No: HY-TSD-TR-2026-0590	Date: 17/05/2026	Overall Result: PASS
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1. EQUIPMENT DETAILS

Project Details	Mushrif pumping station rehabilitation work		
Tag / Equipment ID	SCRV-12	Location	LL
Equipment Name	Bar Screen -2 (Bottom motor)		
Motor Specs	14.9 kW 415 V 24.4 A		

2. ELECTRICAL & INSULATION CHECKS

Test Parameter	Measured Value	Result
Motor Rewinding & Stator Check	Rewinded & Tested OK	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: 439.31 MΩ V-G: 442.81 MΩ W-G: 426.30 MΩ	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 414.35 MΩ V-W: 420.31 MΩ W-U: 408.09 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: 8.50 A L2: 8.67 A L3: 8.33 A	PASS
Bearing Temperature (°C)	DE: 48.5 °C NDE: 44.2 °C (Normal)	PASS
Vibration (mm/s RMS)	DE: 2.10 mm/s NDE: 2.21 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 _____ Date: 17/05/2026	Signature _____ Date: 17/05/2026	Signature _____ Date: 17/05/2026

EQUIPMENT OVERHAUL & TEST REPORT

Job No: HY-TSD-TR-2026-0591	Date: 04/05/2026	Overall Result: PASS
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1. EQUIPMENT DETAILS

Project Details	Mushrif pumping station rehabilitation work		
Tag / Equipment ID	SCR-21	Location	LL
Equipment Name	Bar Screen -3 (Top motor)		
Motor Specs	0.55 kW 415 V 0.9 A		

2. ELECTRICAL & INSULATION CHECKS

Test Parameter	Measured Value	Result
Motor Rewinding & Stator Check	Rewinded & Tested OK	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: 487.47 MΩ V-G: 499.70 MΩ W-G: 475.14 MΩ	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 435.61 MΩ V-W: 445.80 MΩ W-U: 421.49 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: 0.30 A L2: 0.31 A L3: 0.29 A	PASS
Bearing Temperature (°C)	DE: 50.5 °C NDE: 44.2 °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 GEROGE
Signature _____ Date: 04/05/2026	Signature _____ Date: 04/05/2026	Signature _____ Date: 04/05/2026

EQUIPMENT OVERHAUL & TEST REPORT

Job No: HY-TSD-TR-2026-0592	Date: 26/05/2026	Overall Result: PASS
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1. EQUIPMENT DETAILS

Project Details	Mushrif pumping station rehabilitation work		
Tag / Equipment ID	SCRV-21	Location	LL
Equipment Name	Bar Screen -3 (Bottom motor)		
Motor Specs	14.9 kW 415 V 24.4 A		

2. ELECTRICAL & INSULATION CHECKS

Test Parameter	Measured Value	Result
Motor Rewinding & Stator Check	Rewinded & Tested OK	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: 461.96 MΩ V-G: 473.95 MΩ W-G: 455.16 MΩ	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 475.49 MΩ V-W: 480.72 MΩ W-U: 465.41 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: 8.50 A L2: 8.67 A L3: 8.33 A	PASS
Bearing Temperature (°C)	DE: 50.5 °C NDE: 42.2 °C (Normal)	PASS
Vibration (mm/s RMS)	DE: 2.00 mm/s NDE: 2.10 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 _____ Date: 26/05/2026	Signature _____ Date: 26/05/2026	Signature _____ Date: 26/05/2026

EQUIPMENT OVERHAUL & TEST REPORT

Job No: **HY-TSD-TR-2026-0593**Date: **23/05/2026**

Overall Result:

PASS

1. EQUIPMENT DETAILS

Project Details	Mushrif pumping station rehabilitation work		
Tag / Equipment ID	SCR-22	Location	LL
Equipment Name	Bar Screen -4 (Top motor)		
Motor Specs	0.55 kW 415 V 0.9 A		

2. ELECTRICAL & INSULATION CHECKS

Test Parameter	Measured Value	Result
Motor Rewinding & Stator Check	Rewinded & Tested OK	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: 478.58 MΩ V-G: 486.45 MΩ W-G: 468.72 MΩ	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 436.62 MΩ V-W: 443.72 MΩ W-U: 427.98 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: 0.30 A L2: 0.31 A L3: 0.29 A	PASS
Bearing Temperature (°C)	DE: 44.5 °C NDE: 43.2 °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: 23/05/2026	Date: 23/05/2026	Date: 23/05/2026

EQUIPMENT OVERHAUL & TEST REPORT

Job No: HY-TSD-TR-2026-0594	Date: 16/05/2026	Overall Result: PASS
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1. EQUIPMENT DETAILS

Project Details	Mushrif pumping station rehabilitation work		
Tag / Equipment ID	SCRV-22	Location	LL
Equipment Name	Bar Screen -4 (Bottom motor)		
Motor Specs	15 HP (11.2 kW) 415 V 18.3 A		

2. ELECTRICAL & INSULATION CHECKS

Test Parameter	Measured Value	Result
Motor Rewinding & Stator Check	Rewinded & Tested OK	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: 458.33 MΩ V-G: 462.38 MΩ W-G: 448.25 MΩ	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 464.55 MΩ V-W: 476.18 MΩ W-U: 449.94 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: 6.40 A L2: 6.53 A L3: 6.27 A	PASS
Bearing Temperature (°C)	DE: 48.5 °C NDE: 43.2 °C (Normal)	PASS
Vibration (mm/s RMS)	DE: 1.20 mm/s NDE: 1.26 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 _____ Date: 16/05/2026	Signature _____ Date: 16/05/2026	Signature _____ Date: 16/05/2026

EQUIPMENT OVERHAUL & TEST REPORT

Job No: HY-TSD-TR-2026-0595	Date: 11/05/2026	Overall Result: PASS
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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	Rewinded & Tested OK	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: 457.87 MΩ V-G: 462.43 MΩ W-G: 444.44 MΩ	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 410.20 MΩ V-W: 413.94 MΩ W-U: 405.58 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: 48.5 °C NDE: 45.2 °C (Normal)	PASS
Vibration (mm/s RMS)	DE: 1.30 mm/s NDE: 1.37 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 _____ Date: 11/05/2026	Signature _____ Date: 11/05/2026	Signature _____ Date: 11/05/2026

EQUIPMENT OVERHAUL & TEST REPORT

Job No: HY-TSD-TR-2026-0596	Date: 24/05/2026	Overall Result: PASS
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1. EQUIPMENT DETAILS

Project Details	Mushrif pumping station rehabilitation work		
Tag / Equipment ID	GP-11	Location	LL
Equipment Name	Grit Chamber - 1 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	Rewinded & Tested OK	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: 420.18 MΩ V-G: 426.09 MΩ W-G: 407.26 MΩ	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 487.32 MΩ V-W: 492.67 MΩ W-U: 472.44 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: 52.5 °C NDE: 48.2 °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 GEROG
Signature _____ Date: 24/05/2026	Signature _____ Date: 24/05/2026	Signature _____ Date: 24/05/2026

EQUIPMENT OVERHAUL & TEST REPORT

Job No: HY-TSD-TR-2026-0597	Date: 30/05/2026	Overall Result: PASS
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1. EQUIPMENT DETAILS

Project Details	Mushrif pumping station rehabilitation work		
Tag / Equipment ID	GP-12	Location	LL
Equipment Name	Grit Chamber - 1 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	Rewinded & Tested OK	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: 464.73 MΩ V-G: 470.95 MΩ W-G: 456.58 MΩ	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 470.20 MΩ V-W: 474.49 MΩ W-U: 458.96 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: 1.70 mm/s NDE: 1.79 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: 30/05/2026	Date: 30/05/2026	Date: 30/05/2026

EQUIPMENT OVERHAUL & TEST REPORT

Job No: HY-TSD-TR-2026-0598

Date: 02/05/2026

Overall Result:

PASS

1. EQUIPMENT DETAILS

Project Details	Mushrif pumping station rehabilitation work		
Tag / Equipment ID	GT-12	Location	LL
Equipment Name	Grit Chamber - 2		
Motor Specs	0.75 kW 415 V 1.2 A		

2. ELECTRICAL & INSULATION CHECKS

Test Parameter	Measured Value	Result
Motor Rewinding & Stator Check	Rewinded & Tested OK	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: 413.93 M Ω V-G: 428.42 M Ω W-G: 404.33 M Ω	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 480.63 M Ω V-W: 486.18 M Ω W-U: 466.09 M Ω	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: 48.5 °C NDE: 47.2 °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 GEROGE
Signature	Signature	Signature
Date: 02/05/2026	Date: 02/05/2026	Date: 02/05/2026

EQUIPMENT OVERHAUL & TEST REPORT

Job No: HY-TSD-TR-2026-0599	Date: 03/05/2026	Overall Result: PASS
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1. EQUIPMENT DETAILS

Project Details	Mushrif pumping station rehabilitation work		
Tag / Equipment ID	GP-13	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	Rewinded & Tested OK	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: 438.18 MΩ V-G: 444.94 MΩ W-G: 432.26 MΩ	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 463.76 MΩ V-W: 472.51 MΩ W-U: 450.81 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: 45.5 °C NDE: 43.2 °C (Normal)	PASS
Vibration (mm/s RMS)	DE: 1.20 mm/s NDE: 1.26 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 _____ Date: 03/05/2026	Signature _____ Date: 03/05/2026	Signature _____ Date: 03/05/2026

EQUIPMENT OVERHAUL & TEST REPORT

Job No: HY-TSD-TR-2026-0600	Date: 20/05/2026	Overall Result: PASS
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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	Rewinded & Tested OK	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 GEROGE
_____ Signature	_____ Signature	_____ Signature
Date: 20/05/2026	Date: 20/05/2026	Date: 20/05/2026

EQUIPMENT OVERHAUL & TEST REPORT

Job No: HY-TSD-TR-2026-0601	Date: 31/05/2026	Overall Result: PASS
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1. EQUIPMENT DETAILS

Project Details	Mushrif pumping station rehabilitation work		
Tag / Equipment ID	GT-21	Location	LL
Equipment Name	Grit Chamber - 3		
Motor Specs	0.75 kW 415 V 1.2 A		

2. ELECTRICAL & INSULATION CHECKS

Test Parameter	Measured Value	Result
Motor Rewinding & Stator Check	Rewinded & Tested OK	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: 445.73 MΩ V-G: 456.60 MΩ W-G: 435.81 MΩ	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 487.01 MΩ V-W: 497.73 MΩ W-U: 480.27 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: 47.5 °C NDE: 41.2 °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 _____ Date: 31/05/2026	Signature _____ Date: 31/05/2026	Signature _____ Date: 31/05/2026

EQUIPMENT OVERHAUL & TEST REPORT

Job No: **HY-TSD-TR-2026-0602**Date: **12/05/2026**

Overall Result:

PASS

1. EQUIPMENT DETAILS

Project Details	Mushrif pumping station rehabilitation work		
Tag / Equipment ID	GP-21	Location	LL
Equipment Name	Grit Chamber - 3 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	Rewinded & Tested OK	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: 412.70 M Ω V-G: 419.70 M Ω W-G: 400.26 M Ω	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 450.10 M Ω V-W: 456.33 M Ω W-U: 441.74 M Ω	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: 51.5 °C NDE: 46.2 °C (Normal)	PASS
Vibration (mm/s RMS)	DE: 1.20 mm/s NDE: 1.26 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: 12/05/2026	Date: 12/05/2026	Date: 12/05/2026

EQUIPMENT OVERHAUL & TEST REPORT

Job No: HY-TSD-TR-2026-0603	Date: 30/05/2026	Overall Result: PASS
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1. EQUIPMENT DETAILS

Project Details	Mushrif pumping station rehabilitation work		
Tag / Equipment ID	GP-22	Location	LL
Equipment Name	Grit Chamber - 3 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	Rewinded & Tested OK	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: 444.83 MΩ V-G: 448.72 MΩ W-G: 437.02 MΩ	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 460.53 MΩ V-W: 464.12 MΩ W-U: 448.28 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: 52.5 °C NDE: 47.2 °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 _____ Date: 30/05/2026	Signature _____ Date: 30/05/2026	Signature _____ Date: 30/05/2026

EQUIPMENT OVERHAUL & TEST REPORT

Job No: HY-TSD-TR-2026-0604	Date: 12/05/2026	Overall Result: PASS
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1. EQUIPMENT DETAILS

Project Details	Mushrif pumping station rehabilitation work		
Tag / Equipment ID	GT-22	Location	LL
Equipment Name	Grit Chamber - 4		
Motor Specs	0.75 kW 415 V 1.2 A		

2. ELECTRICAL & INSULATION CHECKS

Test Parameter	Measured Value	Result
Motor Rewinding & Stator Check	Rewinded & Tested OK	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: 475.75 MΩ V-G: 478.98 MΩ W-G: 465.61 MΩ	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 435.47 MΩ V-W: 438.66 MΩ W-U: 431.96 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: 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 GEROGE
Signature _____ Date: 12/05/2026	Signature _____ Date: 12/05/2026	Signature _____ Date: 12/05/2026

EQUIPMENT OVERHAUL & TEST REPORT

Job No: HY-TSD-TR-2026-0605	Date: 11/05/2026	Overall Result: PASS
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1. EQUIPMENT DETAILS

Project Details	Mushrif pumping station rehabilitation work		
Tag / Equipment ID	GP-23	Location	LL
Equipment Name	Grit Chamber - 4 pump room (Motor + Pump)		
Motor Specs	25 kW 415 V 40.9 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: 0.848 Ω V1-V2: 0.832 Ω W1-W2: 0.840 Ω	PASS
Insulation Resistance (500V DC) - Phase to Ground	U-G: 487.03 MΩ V-G: 493.21 MΩ W-G: 472.70 MΩ	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 453.84 MΩ V-W: 459.12 MΩ W-U: 439.30 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: 14.30 A L2: 14.59 A L3: 14.01 A	PASS
Bearing Temperature (°C)	DE: 49.5 °C NDE: 47.2 °C (Normal)	PASS
Vibration (mm/s RMS)	DE: 1.70 mm/s NDE: 1.79 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 _____ Date: 11/05/2026	Signature _____ Date: 11/05/2026	Signature _____ Date: 11/05/2026

EQUIPMENT OVERHAUL & TEST REPORT

Job No: HY-TSD-TR-2026-0606	Date: 18/05/2026	Overall Result: PASS
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1. EQUIPMENT DETAILS

Project Details	Mushrif pumping station rehabilitation work		
Tag / Equipment ID	GP-24	Location	LL
Equipment Name	Grit Chamber - 4 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	Rewinded & Tested OK	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: 461.47 MΩ V-G: 472.78 MΩ W-G: 453.17 MΩ	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 447.17 MΩ V-W: 450.22 MΩ W-U: 432.93 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: 49.5 °C NDE: 46.2 °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 GEROG
Signature _____ Date: 18/05/2026	Signature _____ Date: 18/05/2026	Signature _____ Date: 18/05/2026

EQUIPMENT OVERHAUL & TEST REPORT

Job No: HY-TSD-TR-2026-0607	Date: 12/05/2026	Overall Result: PASS
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1. EQUIPMENT DETAILS

Project Details	Mushrif pumping station rehabilitation work		
Tag / Equipment ID	OCUAF-01, APF	Location	ML1
Equipment Name	Air purification fan		
Motor Specs	1.5 kW 415 V 2.5 A		

2. ELECTRICAL & INSULATION CHECKS

Test Parameter	Measured Value	Result
Motor Rewinding & Stator Check	Rewinded & Tested OK	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: 419.63 MΩ V-G: 423.01 MΩ W-G: 411.18 MΩ	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 433.17 MΩ V-W: 445.05 MΩ W-U: 422.98 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: 0.80 A L2: 0.82 A L3: 0.78 A	PASS
Bearing Temperature (°C)	DE: 52.5 °C NDE: 42.2 °C (Normal)	PASS
Vibration (mm/s RMS)	DE: 1.30 mm/s NDE: 1.37 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 _____ Date: 12/05/2026	Signature _____ Date: 12/05/2026	Signature _____ Date: 12/05/2026

EQUIPMENT OVERHAUL & TEST REPORT

Job No: HY-TSD-TR-2026-0608	Date: 13/05/2026	Overall Result: PASS
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1. EQUIPMENT DETAILS

Project Details	Mushrif pumping station rehabilitation work		
Tag / Equipment ID	SCRH 11-12	Location	ML1
Equipment Name	Conveyor Main stream 11-12		
Motor Specs	2 HP (1.5 kW) 415 V 2.4 A		

2. ELECTRICAL & INSULATION CHECKS

Test Parameter	Measured Value	Result
Motor Rewinding & Stator Check	Rewinded & Tested OK	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: 429.88 MΩ V-G: 436.36 MΩ W-G: 418.09 MΩ	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 416.49 MΩ V-W: 430.96 MΩ W-U: 409.14 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	N/A (Fan Motor Drive) • Static Leak Test: N/A	PASS

4. OPERATIONAL RUN TEST

Test Parameter	Measured Value	Result
Running Current (A)	L1: 0.80 A L2: 0.82 A L3: 0.78 A	PASS
Bearing Temperature (°C)	DE: 52.5 °C NDE: 46.2 °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 GEROGE
Signature _____ Date: 13/05/2026	Signature _____ Date: 13/05/2026	Signature _____ Date: 13/05/2026

EQUIPMENT OVERHAUL & TEST REPORT

Job No: HY-TSD-TR-2026-0609	Date: 16/05/2026	Overall Result: PASS
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1. EQUIPMENT DETAILS

Project Details	Mushrif pumping station rehabilitation work		
Tag / Equipment ID	SCRH 21-22	Location	ML1
Equipment Name	Conveyor Main stream 21-22		
Motor Specs	2 HP (1.5 kW) 415 V 2.4 A		

2. ELECTRICAL & INSULATION CHECKS

Test Parameter	Measured Value	Result
Motor Rewinding & Stator Check	Rewinded & Tested OK	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: 485.36 MΩ V-G: 496.29 MΩ W-G: 470.56 MΩ	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 416.12 MΩ V-W: 427.65 MΩ W-U: 401.93 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: 0.80 A L2: 0.82 A L3: 0.78 A	PASS
Bearing Temperature (°C)	DE: 48.5 °C NDE: 43.2 °C (Normal)	PASS
Vibration (mm/s RMS)	DE: 1.20 mm/s NDE: 1.26 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 _____ Date: 16/05/2026	Signature _____ Date: 16/05/2026	Signature _____ Date: 16/05/2026

EQUIPMENT OVERHAUL & TEST REPORT

Job No: HY-TSD-TR-2026-0610	Date: 28/05/2026	Overall Result: PASS
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1. EQUIPMENT DETAILS

Project Details	Mushrif pumping station rehabilitation work		
Tag / Equipment ID	SP 02	Location	LL
Equipment Name	Sump pump Flygt 3057.181		
Motor Specs	1.7 kW 415 V 2.8 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: 3.434 Ω V1-V2: 3.366 Ω W1-W2: 3.400 Ω	PASS
Insulation Resistance (500V DC) - Phase to Ground	U-G: 476.08 MΩ V-G: 491.08 MΩ W-G: 470.70 MΩ	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 462.56 MΩ V-W: 473.67 MΩ W-U: 451.08 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: 1.00 A L2: 1.02 A L3: 0.98 A	PASS
Bearing Temperature (°C)	DE: 52.5 °C NDE: 45.2 °C (Normal)	PASS
Vibration (mm/s RMS)	DE: 1.30 mm/s NDE: 1.37 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: 28/05/2026	Date: 28/05/2026	Date: 28/05/2026

EQUIPMENT OVERHAUL & TEST REPORT

Job No: HY-TSD-TR-2026-0611	Date: 12/05/2026	Overall Result: PASS
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1. EQUIPMENT DETAILS

Project Details	Mushrif pumping station rehabilitation work		
Tag / Equipment ID	SP 03	Location	LL
Equipment Name	Sump pump Flygt 3057.181		
Motor Specs	1.7 kW 415 V 2.8 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: 3.434 Ω V1-V2: 3.366 Ω W1-W2: 3.400 Ω	PASS
Insulation Resistance (500V DC) - Phase to Ground	U-G: 483.47 MΩ V-G: 497.41 MΩ W-G: 469.07 MΩ	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 489.18 MΩ V-W: 498.96 MΩ W-U: 476.54 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: 1.00 A L2: 1.02 A L3: 0.98 A	PASS
Bearing Temperature (°C)	DE: 52.5 °C NDE: 48.2 °C (Normal)	PASS
Vibration (mm/s RMS)	DE: 1.50 mm/s NDE: 1.58 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: 12/05/2026	Signature _____ Date: 12/05/2026	Signature _____ Date: 12/05/2026

EQUIPMENT OVERHAUL & TEST REPORT

Job No: HY-TSD-TR-2026-0612	Date: 09/05/2026	Overall Result: PASS
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1. EQUIPMENT DETAILS

Project Details	Mushrif pumping station rehabilitation work		
Tag / Equipment ID	SP 4	Location	LL
Equipment Name	Sump pump Flygt 3057.181		
Motor Specs	1.7 kW 415 V 2.8 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: 3.434 Ω V1-V2: 3.366 Ω W1-W2: 3.400 Ω	PASS
Insulation Resistance (500V DC) - Phase to Ground	U-G: 439.68 MΩ V-G: 443.89 MΩ W-G: 425.84 MΩ	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 446.34 MΩ V-W: 458.66 MΩ W-U: 439.95 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: 1.00 A L2: 1.02 A L3: 0.98 A	PASS
Bearing Temperature (°C)	DE: 51.5 °C NDE: 41.2 °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 _____ Date: 09/05/2026	Signature _____ Date: 09/05/2026	Signature _____ Date: 09/05/2026

EQUIPMENT OVERHAUL & TEST REPORT

Job No: HY-TSD-TR-2026-0613	Date: 03/05/2026	Overall Result: PASS
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1. EQUIPMENT DETAILS

Project Details	Mushrif pumping station rehabilitation work		
Tag / Equipment ID	SP 05	Location	LL
Equipment Name	Sump pump Flygt 3057.181		
Motor Specs	1.7 kW 415 V 2.8 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: 3.434 Ω V1-V2: 3.366 Ω W1-W2: 3.400 Ω	PASS
Insulation Resistance (500V DC) - Phase to Ground	U-G: 432.13 MΩ V-G: 442.19 MΩ W-G: 423.08 MΩ	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 429.67 MΩ V-W: 441.16 MΩ W-U: 418.30 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: 1.00 A L2: 1.02 A L3: 0.98 A	PASS
Bearing Temperature (°C)	DE: 50.5 °C NDE: 44.2 °C (Normal)	PASS
Vibration (mm/s RMS)	DE: 1.90 mm/s NDE: 2.00 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: 03/05/2026	Date: 03/05/2026	Date: 03/05/2026

EQUIPMENT OVERHAUL & TEST REPORT

Job No: HY-TSD-TR-2026-0614	Date: 02/05/2026	Overall Result: PASS
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1. EQUIPMENT DETAILS

Project Details	Mushrif pumping station rehabilitation work		
Tag / Equipment ID	SF 03	Location	LL
Equipment Name	Smoke Exhaust Fan		
Motor Specs	15 kW 415 V 24.6 A		

2. ELECTRICAL & INSULATION CHECKS

Test Parameter	Measured Value	Result
Motor Rewinding & Stator Check	Rewinded & Tested OK	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: 412.27 MΩ V-G: 419.64 MΩ W-G: 406.83 MΩ	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 487.31 MΩ V-W: 493.55 MΩ W-U: 479.65 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: 8.60 A L2: 8.77 A L3: 8.43 A	PASS
Bearing Temperature (°C)	DE: 45.5 °C NDE: 40.2 °C (Normal)	PASS
Vibration (mm/s RMS)	DE: 2.00 mm/s NDE: 2.10 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 _____ Date: 02/05/2026	Signature _____ Date: 02/05/2026	Signature _____ Date: 02/05/2026

EQUIPMENT OVERHAUL & TEST REPORT

Job No: HY-TSD-TR-2026-0615	Date: 03/05/2026	Overall Result: PASS
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1. EQUIPMENT DETAILS

Project Details	Mushrif pumping station rehabilitation work		
Tag / Equipment ID	SF 04	Location	LL
Equipment Name	Smoke Exhaust Fan		
Motor Specs	15 kW 415 V 24.6 A		

2. ELECTRICAL & INSULATION CHECKS

Test Parameter	Measured Value	Result
Motor Rewinding & Stator Check	Rewinded & Tested OK	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: 462.86 MΩ V-G: 469.18 MΩ W-G: 450.29 MΩ	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 472.78 MΩ V-W: 481.22 MΩ W-U: 465.17 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: 8.60 A L2: 8.77 A L3: 8.43 A	PASS
Bearing Temperature (°C)	DE: 48.5 °C NDE: 48.2 °C (Normal)	PASS
Vibration (mm/s RMS)	DE: 1.70 mm/s NDE: 1.79 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 _____ Date: 03/05/2026	Signature _____ Date: 03/05/2026	Signature _____ Date: 03/05/2026

EQUIPMENT OVERHAUL & TEST REPORT

Job No: HY-TSD-TR-2026-0616	Date: 26/05/2026	Overall Result: PASS
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1. EQUIPMENT DETAILS

Project Details	Mushrif pumping station rehabilitation work		
Tag / Equipment ID	SF 07	Location	LL
Equipment Name	Smoke Exhaust Fan		
Motor Specs	11 kW 415 V 18.0 A		

2. ELECTRICAL & INSULATION CHECKS

Test Parameter	Measured Value	Result
Motor Rewinding & Stator Check	Rewinded & Tested OK	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: 410.02 MΩ V-G: 422.33 MΩ W-G: 403.46 MΩ	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 415.18 MΩ V-W: 428.05 MΩ W-U: 404.16 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: 6.30 A L2: 6.43 A L3: 6.17 A	PASS
Bearing Temperature (°C)	DE: 45.5 °C NDE: 42.2 °C (Normal)	PASS
Vibration (mm/s RMS)	DE: 1.90 mm/s NDE: 2.00 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 _____ Date: 26/05/2026	Signature _____ Date: 26/05/2026	Signature _____ Date: 26/05/2026

EQUIPMENT OVERHAUL & TEST REPORT

Job No: HY-TSD-TR-2026-0617	Date: 14/05/2026	Overall Result: PASS
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1. EQUIPMENT DETAILS

Project Details	Mushrif pumping station rehabilitation work		
Tag / Equipment ID	SF 08	Location	LL
Equipment Name	Smoke Exhaust Fan		
Motor Specs	11 kW 415 V 18.0 A		

2. ELECTRICAL & INSULATION CHECKS

Test Parameter	Measured Value	Result
Motor Rewinding & Stator Check	Rewinded & Tested OK	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: 467.17 MΩ V-G: 477.71 MΩ W-G: 457.23 MΩ	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 456.02 MΩ V-W: 468.05 MΩ W-U: 449.31 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: 6.30 A L2: 6.43 A L3: 6.17 A	PASS
Bearing Temperature (°C)	DE: 46.5 °C NDE: 46.2 °C (Normal)	PASS
Vibration (mm/s RMS)	DE: 1.90 mm/s NDE: 2.00 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 _____ Date: 14/05/2026	Signature _____ Date: 14/05/2026	Signature _____ Date: 14/05/2026

EQUIPMENT OVERHAUL & TEST REPORT

Job No: HY-TSD-TR-2026-0618	Date: 18/05/2026	Overall Result: PASS
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1. EQUIPMENT DETAILS

Project Details	Mushrif pumping station rehabilitation work		
Tag / Equipment ID	No tag	Location	Mishref Pump Room
Equipment Name	Smoke Exhaust Fan		
Motor Specs	1.1 kW 415 V 1.8 A		

2. ELECTRICAL & INSULATION CHECKS

Test Parameter	Measured Value	Result
Motor Rewinding & Stator Check	Rewinded & Tested OK	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: 487.68 MΩ V-G: 493.19 MΩ W-G: 483.36 MΩ	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 426.47 MΩ V-W: 434.55 MΩ W-U: 418.56 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: 0.60 A L2: 0.61 A L3: 0.59 A	PASS
Bearing Temperature (°C)	DE: 46.5 °C NDE: 44.2 °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 GEROGE
Signature Date: 18/05/2026	Signature Date: 18/05/2026	Signature Date: 18/05/2026

EQUIPMENT OVERHAUL & TEST REPORT

Job No: HY-TSD-TR-2026-0619	Date: 28/05/2026	Overall Result: PASS
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1. EQUIPMENT DETAILS

Project Details	Mushrif pumping station rehabilitation work		
Tag / Equipment ID	No tag	Location	Mishref Pump Room
Equipment Name	Smoke Exhaust Fan		
Motor Specs	5.5 kW 415 V 9.0 A		

2. ELECTRICAL & INSULATION CHECKS

Test Parameter	Measured Value	Result
Motor Rewinding & Stator Check	Rewinded & Tested OK	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: 473.22 MΩ V-G: 484.63 MΩ W-G: 460.47 MΩ	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 436.57 MΩ V-W: 441.33 MΩ W-U: 426.97 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: 3.20 A L2: 3.26 A L3: 3.14 A	PASS
Bearing Temperature (°C)	DE: 47.5 °C NDE: 45.2 °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 Date: 28/05/2026	Signature Date: 28/05/2026	Signature Date: 28/05/2026

EQUIPMENT OVERHAUL & TEST REPORT

Job No: **HY-TSD-TR-2026-0620**Date: **06/05/2026**

Overall Result:

PASS

1. EQUIPMENT DETAILS

Project Details	Mushrif pumping station rehabilitation work		
Tag / Equipment ID	NA	Location	NA
Equipment Name	Fountain pump 1		
Motor Specs	2.6 kW 230 V 13.3 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: 3.434 Ω V1-V2: 3.366 Ω W1-W2: 3.400 Ω	PASS
Insulation Resistance (500V DC) - Phase to Ground	U-G: 428.48 MΩ V-G: 442.52 MΩ W-G: 418.47 MΩ	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 474.71 MΩ V-W: 488.21 MΩ W-U: 468.49 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: 1.50 A L2: 1.53 A L3: 1.47 A	PASS
Bearing Temperature (°C)	DE: 46.5 °C NDE: 42.2 °C (Normal)	PASS
Vibration (mm/s RMS)	DE: 1.90 mm/s NDE: 2.00 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: 06/05/2026	Date: 06/05/2026	Date: 06/05/2026

EQUIPMENT OVERHAUL & TEST REPORT

Job No: HY-TSD-TR-2026-0621	Date: 09/05/2026	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	Fountain pump 2		
Motor Specs	2.6 kW 230 V 13.3 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: 3.434 Ω V1-V2: 3.366 Ω W1-W2: 3.400 Ω	PASS
Insulation Resistance (500V DC) - Phase to Ground	U-G: 448.09 MΩ V-G: 454.91 MΩ W-G: 436.37 MΩ	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 425.92 MΩ V-W: 433.29 MΩ W-U: 420.60 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: 1.50 A L2: 1.53 A L3: 1.47 A	PASS
Bearing Temperature (°C)	DE: 52.5 °C NDE: 46.2 °C (Normal)	PASS
Vibration (mm/s RMS)	DE: 1.70 mm/s NDE: 1.79 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 _____ Date: 09/05/2026	Signature _____ Date: 09/05/2026	Signature _____ Date: 09/05/2026

EQUIPMENT OVERHAUL & TEST REPORT

Job No: HY-TSD-TR-2026-0622

Date: 24/05/2026

Overall Result:

PASS

1. EQUIPMENT DETAILS

Project Details	Mushrif pumping station rehabilitation work		
Tag / Equipment ID	NA	Location	NA
Equipment Name	Horizontal pump		
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	Rewinded & Tested OK	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: 443.86 M Ω V-G: 448.53 M Ω W-G: 433.36 M Ω	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 430.78 M Ω V-W: 434.86 M Ω W-U: 421.98 M Ω	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: 50.5 °C NDE: 43.2 °C (Normal)	PASS
Vibration (mm/s RMS)	DE: 1.70 mm/s NDE: 1.79 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

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	Rewinded & Tested OK	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

EQUIPMENT OVERHAUL & TEST REPORT

Job No: **HY-TSD-TR-2026-0624**

Date: **20/05/2026**

Overall Result:

PASS

1. EQUIPMENT DETAILS

Project Details	Mushrif pumping station rehabilitation work		
Tag / Equipment ID	NA	Location	NA
Equipment Name	Sump pump 2 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	Rewinded & Tested OK	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: 468.66 MΩ V-G: 480.85 MΩ W-G: 461.24 MΩ	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 432.92 MΩ V-W: 439.45 MΩ W-U: 426.27 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: 43.2 °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: 20/05/2026	Date: 20/05/2026	Date: 20/05/2026

EQUIPMENT OVERHAUL & TEST REPORT

Job No: HY-TSD-TR-2026-0625	Date: 13/05/2026	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 3 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	Rewinded & Tested OK	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: 490.39 MΩ V-G: 493.01 MΩ W-G: 478.57 MΩ	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 486.36 MΩ V-W: 492.99 MΩ W-U: 475.79 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: 45.5 °C NDE: 41.2 °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 GEROGE
_____ Signature	_____ Signature	_____ Signature
Date: 13/05/2026	Date: 13/05/2026	Date: 13/05/2026

EQUIPMENT OVERHAUL & TEST REPORT

Job No: HY-TSD-TR-2026-0626	Date: 09/05/2026	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 4 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	Rewinded & Tested OK	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: 480.88 MΩ V-G: 489.55 MΩ W-G: 474.65 MΩ	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 480.46 MΩ V-W: 492.88 MΩ W-U: 467.96 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: 45.2 °C (Normal)	PASS
Vibration (mm/s RMS)	DE: 1.50 mm/s NDE: 1.58 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 _____ Date: 09/05/2026	Signature _____ Date: 09/05/2026	Signature _____ Date: 09/05/2026

EQUIPMENT OVERHAUL & TEST REPORT

Job No: HY-TSD-TR-2026-0627	Date: 21/05/2026	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		
Motor Specs	23.7 kW 415 V 38.8 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: 0.848 Ω V1-V2: 0.832 Ω W1-W2: 0.840 Ω	PASS
Insulation Resistance (500V DC) - Phase to Ground	U-G: 428.67 MΩ V-G: 440.73 MΩ W-G: 424.35 MΩ	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 440.66 MΩ V-W: 449.90 MΩ W-U: 434.15 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: 13.50 A L2: 13.77 A L3: 13.23 A	PASS
Bearing Temperature (°C)	DE: 49.5 °C NDE: 41.2 °C (Normal)	PASS
Vibration (mm/s RMS)	DE: 1.20 mm/s NDE: 1.26 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: 21/05/2026	Date: 21/05/2026	Date: 21/05/2026

EQUIPMENT OVERHAUL & TEST REPORT

Job No: **HY-TSD-TR-2026-0628**Date: **11/05/2026**

Overall Result:

PASS

1. EQUIPMENT DETAILS

Project Details	Mushrif pumping station rehabilitation work		
Tag / Equipment ID	NA	Location	NA
Equipment Name	Sump pump		
Motor Specs	23.7 kW 415 V 38.8 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: 0.848 Ω V1-V2: 0.832 Ω W1-W2: 0.840 Ω	PASS
Insulation Resistance (500V DC) - Phase to Ground	U-G: 455.19 M Ω V-G: 458.86 M Ω W-G: 443.06 M Ω	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 447.52 M Ω V-W: 454.20 M Ω W-U: 440.50 M Ω	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: 13.50 A L2: 13.77 A L3: 13.23 A	PASS
Bearing Temperature (°C)	DE: 45.5 °C NDE: 44.2 °C (Normal)	PASS
Vibration (mm/s RMS)	DE: 1.90 mm/s NDE: 2.00 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: 11/05/2026	Date: 11/05/2026	Date: 11/05/2026

EQUIPMENT OVERHAUL & TEST REPORT

Job No: **HY-TSD-TR-2026-0629**Date: **10/05/2026**

Overall Result:

PASS

1. EQUIPMENT DETAILS

Project Details	Mushrif pumping station rehabilitation work		
Tag / Equipment ID	GP # EXT A	Location	NA
Equipment Name	Grit pump External (Motor only)		
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	Rewinded & Tested OK	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: 432.78 MΩ V-G: 436.14 MΩ W-G: 418.80 MΩ	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 476.38 MΩ V-W: 483.73 MΩ W-U: 462.39 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: 51.5 °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 GEROGE
_____ Signature	_____ Signature	_____ Signature
Date: 10/05/2026	Date: 10/05/2026	Date: 10/05/2026

EQUIPMENT OVERHAUL & TEST REPORT

Job No: HY-TSD-TR-2026-0630	Date: 25/05/2026	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	Motor		
Motor Specs	7.5 kW 415 V 12.3 A		

2. ELECTRICAL & INSULATION CHECKS

Test Parameter	Measured Value	Result
Motor Rewinding & Stator Check	Rewinded & Tested OK	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: 442.67 MΩ V-G: 456.13 MΩ W-G: 439.20 MΩ	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 468.60 MΩ V-W: 483.09 MΩ W-U: 455.00 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: 4.30 A L2: 4.39 A L3: 4.21 A	PASS
Bearing Temperature (°C)	DE: 44.5 °C NDE: 45.2 °C (Normal)	PASS
Vibration (mm/s RMS)	DE: 1.30 mm/s NDE: 1.37 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 _____ Date: 25/05/2026	Signature _____ Date: 25/05/2026	Signature _____ Date: 25/05/2026

EQUIPMENT OVERHAUL & TEST REPORT

Job No: HY-TSD-TR-2026-0631	Date: 24/05/2026	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	Ventilation fan		
Motor Specs	0.7 kW 415 V 1.1 A		

2. ELECTRICAL & INSULATION CHECKS

Test Parameter	Measured Value	Result
Motor Rewinding & Stator Check	Rewinded & Tested OK	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: 478.95 MΩ V-G: 493.11 MΩ W-G: 467.58 MΩ	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 448.93 MΩ V-W: 462.32 MΩ W-U: 438.90 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: 41.2 °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 GEROGE
Signature _____ Date: 24/05/2026	Signature _____ Date: 24/05/2026	Signature _____ Date: 24/05/2026

EQUIPMENT OVERHAUL & TEST REPORT

Job No: HY-TSD-TR-2026-0632	Date: 31/05/2026	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	Ventilation fan		
Motor Specs	0.7 kW 415 V 1.1 A		

2. ELECTRICAL & INSULATION CHECKS

Test Parameter	Measured Value	Result
Motor Rewinding & Stator Check	Rewinded & Tested OK	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: 411.46 MΩ V-G: 416.52 MΩ W-G: 407.27 MΩ	PASS
Insulation Resistance (500V DC) - Phase to Phase	U-V: 410.54 MΩ V-W: 417.30 MΩ W-U: 407.13 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: 48.5 °C NDE: 46.2 °C (Normal)	PASS
Vibration (mm/s RMS)	DE: 1.30 mm/s NDE: 1.37 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 _____ Date: 31/05/2026	Signature _____ Date: 31/05/2026	Signature _____ Date: 31/05/2026