

EQUIPMENT OVERHAUL & TEST REPORT

|                                    |                         |                             |
|------------------------------------|-------------------------|-----------------------------|
| Job No: <b>HY-TSD-TR-2026-0594</b> | Date: <b>16/05/2026</b> | Overall Result: <b>PASS</b> |
|------------------------------------|-------------------------|-----------------------------|

1. EQUIPMENT DETAILS

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

2. ELECTRICAL & INSULATION CHECKS

| Test Parameter                                           | Measured Value                                                        | Result      |
|----------------------------------------------------------|-----------------------------------------------------------------------|-------------|
| Motor Rewinding & Stator Check                           | <b>Stator Cleaned &amp; Oven Dried</b>                                | <b>PASS</b> |
| Winding Resistance (Ohms)                                | U1-U2: <b>0.848 Ω</b>   V1-V2: <b>0.832 Ω</b>   W1-W2: <b>0.840 Ω</b> | <b>PASS</b> |
| Insulation Resistance (500V DC) - <b>Phase to Ground</b> | U-G: <b>458.33 MΩ</b>   V-G: <b>462.38 MΩ</b>   W-G: <b>448.25 MΩ</b> | <b>PASS</b> |
| Insulation Resistance (500V DC) - <b>Phase to Phase</b>  | U-V: <b>464.55 MΩ</b>   V-W: <b>476.18 MΩ</b>   W-U: <b>449.94 MΩ</b> | <b>PASS</b> |

3. MECHANICAL SEAL & BEARING REPLACEMENT

| Component Checked              | Replacement Details / Part No.                                                  | Result      |
|--------------------------------|---------------------------------------------------------------------------------|-------------|
| Bearings - Drive End (DE)      | Part No: <b>6208 2Z/C3</b> • Brand: <b>SKF (Explorer Series)</b> (Replaced New) | <b>PASS</b> |
| Bearings - Non-Drive End (NDE) | Part No: <b>6206 2Z/C3</b> • Brand: <b>SKF (Explorer Series)</b> (Replaced New) | <b>PASS</b> |
| Mechanical Seal & Leak Test    | N/A (Fan Motor Drive) • Static Leak Test: N/A                                   | <b>PASS</b> |

4. OPERATIONAL RUN TEST

| Test Parameter           | Measured Value                                                  | Result      |
|--------------------------|-----------------------------------------------------------------|-------------|
| Running Current (A)      | L1: <b>6.40 A</b>   L2: <b>6.53 A</b>   L3: <b>6.27 A</b>       | <b>PASS</b> |
| Bearing Temperature (°C) | DE: <b>48.5 °C</b>   NDE: <b>43.2 °C</b> (Normal)               | <b>PASS</b> |
| Vibration (mm/s RMS)     | DE: <b>1.20 mm/s</b>   NDE: <b>1.26 mm/s</b> (Good)             | <b>PASS</b> |
| Rotation & Seal Check    | Rotation: <b>Correct (CW)</b>   Seal Leakage: <b>Nil / None</b> | <b>PASS</b> |

5. SIGN-OFF & APPROVALS

|                                                 |                                                     |                                          |
|-------------------------------------------------|-----------------------------------------------------|------------------------------------------|
| <b>PREPARED BY:</b><br><b>ENG. JITHU THOMAS</b> | <b>INSPECTED BY:</b><br><b>ASWATH KUMAR HOSDURG</b> | <b>APPROVED BY:</b><br><b>ABU GEROGE</b> |
| Signature _____<br>Date: 16/05/2026             | Signature _____<br>Date: 16/05/2026                 | Signature _____<br>Date: 16/05/2026      |