

Maintenance and Repair



Maintenance Operations in Various Fields by Maham Sharq Group:

Maintenance of Transmission and Distribution Lines

- Conducting climbing and walking inspections twice a year. Climbing inspections are performed during planned outages, while walking inspections are conducted without outages. These inspections detect issues such as broken corners, loose screws, insulator damage, and mast tilting due to landslides. Identified issues are recorded using relevant software. Other maintenance measures include resistance measurement of mast bases, track and line testing using thermovision and corona devices. Based on test results, necessary repairs are requested and conducted after employer approval. Additional activities include insulator washing and replacement

Maintenance of Substation

- Ground Testing: Measurement of ground resistance at various points within the substation. If the resistance exceeds specified standards, necessary measures are taken to reduce it.
- High-Pressure Equipment Testing: Testing, cleaning, and tightening of high-pressure substation equipment such as Circuit Breakers (CB), Disconnect Switch (DS), current transformers (CT), Capacitive voltage transformers (CVT), 20 kV cells, high-pressure busbars, and 20 kV lines. If any issues are identified during testing, preliminary operations are performed. If the problem persists, further measures such as DS and CB overhauls are conducted by relevant teams. Additional services include testing substation transformers, pump testing, transmission transformer fan testing, and clamp tightening.
- Low-Pressure Equipment Testing: Testing of relays and circuits, performance testing of high-pressure equipment (e.g., trip breaker testing), relay performance adjustment, and relay setting calculations.



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Maintenance of urban rail way fleet

- Testing of relays and high-pressure equipment. It's worth noting that most city train equipment and relays measure and protect DC current and voltage.

