

## Mobile Elevating Work Platforms (MEWPs)

Mobile Elevating work platforms (MEWPs) are essential equipment for working at heights, but they pose significant risks if not used properly. In Saudi Arabia, the use of MEWPs must comply with relevant HSE regulations and industry best practices to ensure the safety of workers. This section outlines the requirements for the design, inspection, maintenance, and operation of MEWPs in NCC T&D projects.

### Responsibilities of NCC T&D Project Leaders

NCC T&D Project Leaders are responsible for ensuring the safe use of MEWPs. This includes:

- Providing certified equipment that meets Saudi Arabian standards.
- Maintaining inspection and maintenance logs for all MEWPs.
- Ensuring workers are trained and competent to operate MEWPs.
- Implementing fall protection measures for workers on MEWPs.

### Design and Certification

- MEWPs must be designed and certified by a professional engineer to comply with applicable standards.
- The design must ensure the platform's stability and safety under all operating conditions.

### Inspection and Maintenance

#### Daily Inspections:

- A trained worker must inspect the MEWP each day before use.
- The inspection must include checks for mechanical defects, stability, and proper functioning of controls.

#### Maintenance Logs:

- Operators must maintain a log of all inspections, tests, repairs, modifications, and maintenance.
- The log must include the date, details of work performed, and the name and signature of the person who performed the work.

### Maintenance and Inspection Tags:

- A tag must be attached near the operator's station, indicating the date of the last inspection and maintenance, the name of the inspector, and confirmation that the work was done according to the manufacturer's recommendations.

### Signage and Labels

EWPs must have clear and visible signs that include:

- The rated working load.
- Operating conditions, such as the use of outriggers or stabilizers.
- Surface requirements for safe operation.
- Manufacturer's warnings and instructions.
- The competent operator details.

### Safe Operation of MEWPs

#### Load Limits:

- EWPs must not be loaded beyond their rated working load.
- Loads must be distributed evenly to maintain stability.

#### Movement and Stability:

- EWPs must only be moved according to the manufacturer's instructions.
- Workers must not move the platform unless all occupants are protected from ejection by being attached to a fixed support using fall protection equipment.



### **Surface Conditions:**

- EWPs must only be used on firm, level surfaces that can support the platform's weight.

### **Worker Responsibilities**

#### **Workers operating EWPs must:**

- Be competent and trained to operate the specific type of MEWP.
- Receive oral and written instructions before using the platform for the first time.
- Follow the manufacturer's instructions for setup, operation, and limitations.
- Conduct daily inspections of the MEWP before use.
- Report any equipment defects or unsafe conditions to their supervisor.

### **Fall Protection**

- Workers on boom-type or vehicle-mounted MEWPs must be protected from falling by being attached to a fixed support using a fall protection system.
- Guardrails must be installed on all open sides of the platform where there is a risk of falling.

### **Training Requirements (3<sup>rd</sup> Party)**

#### **Training for EWP operators must include (but not limited to):**

- The manufacturer's instructions for the specific MEWP.
- Load limitations and stability requirements.
- A hands-on demonstration of all controls and safety features.
- Surface limitations and safe operating conditions.

### **Emergency Procedures**

- Workers must be trained in emergency response procedures, including how to lower the platform in case of power failure.
- First aid kits and emergency contact information must be readily available on-site.

### **Additional Considerations for NCC T&D Projects**

Given the high-risk nature of NCC T&D's operations, the following measures are recommended:

- Conduct pre-use inspections of MEWPs before each shift.
- Use spotter(s)/flagmen to assist operators when working near power lines or other hazards.
- Implement real-time monitoring to ensure safe operation of MEWPs.
- Ensure all workers are equipped with appropriate PPE, including harnesses and lanyards.

For more information, refer to NCC T&D's relevant IMS procedures or consult our HSE Department for expert guidance and training resources aligned with Saudi Arabian regulatory requirements.

