

## Personal Protective Equipment – Head Protection

Head protection is a vital component of personal protective equipment (PPE) in NCC T&D operations, especially in environments where workers are exposed to falling objects, impact hazards, or electrical risks. Properly selected and maintained head protection minimizes the risk of serious head injuries.

### Key Responsibilities

NCC T&D Management Must:

- Ensure hazards are controlled at the source, recognizing that PPE is a secondary line of defense.
- Provide approved head protection that meets required safety standards.
- Educate and train employees on the correct use, maintenance, and limitations of head protection.
- Ensure all workers wear head protection in designated areas.
- Conduct regular inspections to verify compliance and replace damaged or expired helmets.

### Workers Must:

- Wear approved hard hats at all times in required work areas.
- Inspect head protection before each use and report any damage or defects.
- Ensure a proper fit and secure adjustment for maximum protection.
- Replace hard hats that show signs of wear, damage, or aging.

### Hard Hat Requirements

All hard hats used in NCC T&D operations must meet the following minimum standards:

- Impact Resistance: Designed to protect against falling objects and overhead hazards.
- Electrical Insulation: Must withstand electrical contact up to 20,000 volts for work near live components.
- Secure Suspension System: Internal harness must absorb shock and maintain a safe fit.
- High-Visibility Options: Bright colors or reflective stickers may be required for improved visibility.

### Additional Considerations for NCC T&D Projects

- Electrical Work: Only Class E (electrically insulated) hard hats should be used near live electrical systems.
- Extreme Weather Conditions: Hard hats must be resistant to high temperatures, UV exposure, and cold conditions.
- Chin Straps: Required for tasks involving work at heights or in high-wind environments.
- Client-Specific Standards: Workers must comply with project-specific PPE requirements set by clients.

### Key Takeaways

- Proper Selection: Use the right type of hard hat based on work hazards.
- Training & Awareness: Workers must understand head protection requirements.
- Enforcement: Hard hats must be worn at all times in designated areas.
- Maintenance: Regularly inspect, clean, and replace worn-out head protection.

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