

SECTION 19 HEAVY VEHICLES & MACHINERY

- 19.1 Quality Assurance
- 19.2 Heavy Vehicles (including earth moving machines, tractors, threshers etc.)
- 19.3 Machinery (including transformers)
- 19.4 Construction Equipment

For equivalent guidelines in respect of road transportation see Section 3 of this Manual.

19.1 QUALITY ASSURANCE

➔ All principles outlined in section 5 of this Manual apply to this Section.

DO...

- ✓ Dunnage all crates with timber or two layers of flat rubber.
- ✓ **Position** chains and lashings over solid, non-damageable parts; otherwise use protective edging material.
- ✓ Check that **maximum load dimensions** are within limits as defined in Sections 6 and 22 of this Manual.
- ✓ Check **stability**, particularly with heavy equipment, crated and fabricated loads. Ensure that Centre of Gravity is within the limits defined in Diagrams 6.8 and 6.9 of this Manual

19.2 HEAVY VEHICLES

Heavy vehicles includes **earth moving machines, tractors, threshers etc.** See Section 14 of this Manual for light motor vehicles (cars, light vans etc.).

DO...

- ✓ **Restrain** all trucks, passenger vehicles, drilling rigs, agricultural equipment and any other large or unusual vehicle using either
- ✓ High tensile chains attached to suitable underbody brackets or securing points designed for this purpose, OR
- ✓ A combination of **chocks** and **load binders/strops** on **all** axles.
- ✓ **Check the route**, and where needed, obtain **permits** before the travel starts.
- ✓ **Be careful** when loading and unloading vehicles, especially if using drive-on/drive-off methods.

DO NOT...

- ✗ **DO NOT accept or load** for transportation vehicles or machinery that shows signs of **fuel leaks** or **damage** to its fuel system.

19.3 MACHINERY

Machinery includes transformers.

DO...

- ✓ Spread the load as evenly as possible across the load platform.

LOADING OVER THE END OR SIDE OF A WAGON

DO...

- ✓ Ensure the **handbrake** is on.
- ✓ Ensure the outer solebar or head stock is packed to prevent the wagon from tipping and to prevent the axles, underframe supports and suspension from overload.
- ✓ **Double check** that all lashings are secure.

19.4 CONSTRUCTION EQUIPMENT

DO...

- ✓ Ensure that **jibs, booms, blades, buckets** and other moving parts are...
 - ➔ Angled and parked securely and safely, such that they **cannot move** during travel.
 - ➔ Well **dunnaged**.
 - ➔ **Separately lashed** in addition to the main equipment. **DO NOT** rely on the equipment's own locking mechanisms.
- ✓ Check **route restrictions** and where needed obtain **permits before** travel starts.
- ✓ Ensure that all **vehicle brakes** are applied.
- ✓ Ensure that the **STOP button** on diesels is **out**.