



National Aluminium Company Limited

TRAFFIC RULES AND PROCEDURES

INTRODUCTION

The following rules are designed for safe operation of vehicles in and around the mine. Operators of vehicles shall observe these rules and any other special instructions given by the mine manager. The mine manager and officials appointed by him shall ensure that all persons in the mine comply with these Rules.

RULE # 1: PROCEDURES

- a) A person shall neither drive nor operate vehicle in or about the mine unless authorized to do so for the vehicle or Class of vehicles by the mine manager.
- b) A private vehicle shall not be driven in mine premises unless authorized by the mine manager or the official for the time being in-charge of the mine.
- c) Any driver not regularly working in or about the mine shall request and receive permission to enter the mine premises from mine manager or an official of the mine authorized for the purpose, prior to driving a vehicle in the mine premises, which shall be prominently delineated.

RULE # 2: SPEED LIMITS

- a) Permanent or temporary speed limits set by the mine manager for any area of the mine or any vehicle or class of vehicles shall be adhered to.

Following speed limits shall be adhered to:

Area	Speed Limit
Waste dumps/ ore stacks and other similar steep areas.	15 K.P.H.
Remaining areas with mild gradient	30 K.P.H.

- b) Where visibility or road conditions are poor, a driver shall reduce the speed of his vehicle to the extent necessary to maintain effective control.

RULE # 3: RIGHT OF WAY

- a) At inter-sections which are not controlled by traffic signs, all drivers should give way to the vehicle on the right, except as stated below:
 - (i) All drivers shall give way to emergency vehicles showing a flashing red light;
 - (ii) vehicles being used for grading, rolling, watering and repair of roads have right of way over all vehicles except in (i) above; these vehicles will show an amber flashing light;
 - (iii) Light vehicles shall at all times give way to haul trucks and other heavy vehicles.

- b) The driver of a vehicle, having right of way over another vehicle shall not endanger himself or others through insistence on that right, if this is likely to cause a collision.

RULE # 4: PARKING AND STANDING

- a) A driver shall not park or stand his vehicle in a position that will endanger other traffic.
- b) A driver shall not park or stand a vehicle opposite another vehicle on a haul road.
- c) A driver shall not park or stand his vehicle within 30m of the working area of mobile equipment or where his vehicle cannot be observed.
- d) A driver shall not park or stand his vehicle within the area of swing of dragline without first obtaining permission from the operator.
- e) A driver, before leaving his parked vehicle, shall ensure that the vehicle is secure, that parking brakes have been applied and that all implements have been lowered. If circumstances dictate that a heavy vehicle must be parked on a grade, then the wheels should be chocked and the steering turned off centre.
- f) A driver of a vehicle shall before moving from a parked position ensure that his path is free of any obstruction and/or personnel.
- g) A driver of a light vehicle shall observe the following rules while parking his vehicle :
 - ✓ stop engine;
 - ✓ leave vehicle in first or reverse gear;
 - ✓ apply hand brake;
 - ✓ not parked in front of or behind a heavy vehicle;
 - ✓ if, for maintenance or operational reasons, it is essential to park adjacent to or in close proximity to a heavy unit or shovel than allowed above, then the driver of the light vehicle shall ensure that operator of the heavy unit or shovel is fully and clearly aware of his intentions and has his permission to proceed; and
 - ✓ chock the wheels, if parked facing up or down a slope.

RULE # 5: GENERAL

- a) Vehicle shall not be driven over electric cables, air hoses or water lines unless these are properly protected.
- b) Seat belts are to be provided for the operator's personal safety. They are to be worn at all times while the vehicle is operating.
- c) Passengers shall not be carried on any vehicle unless seated in approved seating or where authorised for training purposes by the mine manager.
- d) A caution sign or hazard lights are to be placed at the front and rear on any vehicle which is being towed or which has broken down and is obstructing the roadway.
- e) Operators and drivers are responsible for cleanliness, oil and water checks, tyres and fuel of machines and for keeping vehicle under their control.

- f) Operators and drivers are responsible for ensuring that their vehicle is correctly illuminated during hours of darkness.
- g) Headlights are to be dipped when approaching other traffic or mobile equipment in working areas.
- h) All earth moving equipment shall sound one blast of horn before moving off from parked position.
- i) No smoking or naked lights are permitted during re-fueling and checking of batteries.
- j) Trucks are to be loaded in such a manner that spillage is minimized. Loads should be centralized to maximize stability. Loads which have an overhang in excess of 1.2m shall be clearly marked by a .red flag during the day and red light at night. All loads shall be made secure for travel.
- k) The driver shall make sure that the vehicle has adequate clearance; particularly when reversing, parking, passing other vehicles and units or passing stationary and static equipment

RULE # 6: OVERTAKING

- a) The driver of a vehicle may overtake any other vehicle with caution provided:
 - (i) the speed limit is not exceeded,
 - (ii) there is sufficient visibility of the road ahead,
 - (iii) the vehicles are clear of any road intersection or junction.
- b) The driver of a heavy vehicle may not overtake another vehicle; unless the overtaken vehicle is travelling at a speed less than 10 km/hr and there is adequate visibility of the road ahead.
- c) No overtaking is permitted in the vicinity of road dividers.
- d) While driving behind a haul truck, the driver shall ensure that he is visible in the rear view mirror until he pulls out to overtake.

RULE # 7: SIGNS

- a) All signs are to be obeyed. If in doubt about the intent or validity of a sign, contact an official of the mine, in-charge of the part of the mine, where the sign is displayed.
- b) Temporary signs shall be removed as soon as possible after need for them ceases to exist.
- c) Warning signs are to be noted at all times.

RULE # 8: MECHANICAL CONDITION OF VEHICLES

- a) The driver of each heavy vehicle in use shall at least daily examine his machine to ensure that it is in safe working order and make a written record of the results of such examination.
- b) The driver of any vehicle shall report to his supervisor any defect in the vehicle as well as damage to the vehicle or injury to himself or passengers, or near miss, arising out of a vehicle incident on the mine.

RULE # 9: DEFINITIONS

- a) The following vehicles shall be classified as heavy vehicles:
 - ✓ haul trucks
 - ✓ scrapers
 - ✓ ANFO trucks
 - ✓ fuel & water trucks
 - ✓ wheel dozers and loaders
 - ✓ buses
- b) The following vehicles shall be classified as light vehicles:
 - ✓ Jeeps/Land Rovers/Maruti Gypsies
 - ✓ Station Wagons