

**DIRECTORATE GENERAL BORDER ROADS**

**GENERAL MAINTENANCE INSTRUCTION NO 59**

**ON**

**FUEL FOR COMPRESSION IGNITION ENGINES (DIESEL ENGINES)**

1. Summary:- To satisfy all the requirements for operation of Compression Ignition Engines (Diesel Engines) at high altitudes and low temperatures, the following diesel fuels will be used :-

- (a) Diesel Fuel, Winter Grade.
- (b) Diesel Fuel, Sub-Zero Grade.
- (c) Diesel Fuel, High Power Point.

2. Action :- By all units concerned.

3. Details :- The application of Diesel fuel is indicated as under :-

Nomenclature	Recommended for Temperature range
(a) Diesel Fuel Winter Grade	From 10 <sup>0</sup> C to minus 18 <sup>0</sup> C (50 <sup>0</sup> F to 0 <sup>0</sup> F)
(b) Diesel Fuel Sub Zero Grade	From minus 10 <sup>0</sup> C to Minus 40 <sup>0</sup> C (0 <sup>0</sup> D to minus 40 <sup>0</sup> F)
(c) Diesel Fuel High power point	Above + 10 <sup>0</sup> C

4. These fuels are to be used between September to May on vehicles and equipments operating in places mentioned below :-

- (a) Leh
- (b) Chushul
- (c) Kargil
- (d) Dras

5. These period can be varied to suit local temperature conditions under the advice of SO I/SO II (EME) of the Project. Similarly when vehicles and equipments are used in other cold and high altitude areas, appropriate periods during which these diesel fuels are to be used be specified by SO I/SO II (EME) Project, under intimation to this HQ (E4/Tech)

HQ DGBR GMI No 59  
Dated 13 Dec 1971.

END