

**DIRECTOR GENERAL BORDER ROADS**  
**GENERAL MAINTENANCE INSTRUCTION**

**No 33**

**MOBILE MAINTENANCE TEAM**

1. Mobile Maintenance Teams will be organized in each Task Force and will be responsible for specialized maintenance aspects. This Team will work on a schedule under control of the Task Force Commander and carry out specialized maintenance (hourly and mileage task) on the vehicles and equipments held by the Task Force at regular intervals. All vehicles and eqpts will be attended to by this Mobile Maintenance Team once a quarter. Normal maintenance and adjustments will still be the responsibility of drivers and operators.

2. As the operating condition in different Projects are not uniform, detailed procedure for operating of the Team may be laid down by the Projects. The following points may be incorporated while drafting the procedure.

(a) The team should move as per the planned programme to various units.

(b) Special lubricants/Grease which may not be held by each unit may be carried by this team.

(c) Will carry fast moving spares like fan belts, clamps, hoses filters of various types etc so that these can be replaced in situ. The job cards will be made and booking of stores will be done as per para 3 below.

(d) Periodical adjustments/checks like track tension, brake and clutch free play, tappet clearance, spark plug gaps, efficiency of injector will be carried out and recorded in the log book.

(e) The team should carry out preventive repairs in addition to checking that maintenance for which the holding unit is responsible has been carried out. A record of period maintenance for each vehicle and equipment will be maintained as per appendices 'A' & 'B' respectively. These records will be checked by i/c Mobile Team.

(f) A register may be kept by the Team with adequate pages for each vehicle/equipment. The lack of maintenance for which unit is responsible if noted on any vehicle/eqpt will be recorded in this register. The unit concerned will be informed with copy to HQ Task Force for necessary action. This Register should be checked by the visiting officers from the Projects HQ.

(g) Availability with the holding unit of essential tools in serviceable condition will be checked and results reported to Project HQ for further action. Grease guns should have suitable adapters to reach all Grease Nipples and this will be checked by the Team by asking Operator to grease his vehicle/equipment in their presence. Tyre pressure gauge, fuel

funnels, wheel spanner, jack, spark plugs spanner screw driver, pliers, Hydrometer, high rate discharger are some of the essential tools.

(h) Condition of oil in various assemblies, condition of fuel and oil filter and periodicity of the oil change and replacement of filter elements as per the laid down frequency should also be checked by Mobile Maintenance Team.

### Booking of Spares by Mobile maintenance Team

3. There may be instances where certain fast moving spares, like filter elements, CB points, fan belts and spark plugs are required to be replaced by Mobile Maintenance Team.

### Record of periodic maintenance 'B' vehicles

	& KM &			KM &	KM & KM
Date	Date			Date	Date

#### Every 1600 Km

1. Engine oil changed and magnetic
2. Drain plug cleaned.
3. Air cleaner cleaned and oil changed
4. following assys oil level checked and topped up :-
  - a) Gear Box
  - b) Transfer case
  - c) Axles
  - d) Steering gear box
5. (a) CB points gap checked and adjusted  
(b) Spark plugs cleaned and gaps checked.
6. Check and lubricate all grease points

#### Every 3200 Km

1. Oil filter cleaned /replaced
2. Primary stage filter element cleaned.
3. Final stage filter element replaced
4. Tyres rotation carried out.

### Every 8000 Km

1. Engine sump cleaned
2. Oil pump screen cleaned
3. Injectors nozzle tested & serviced
4. Fuel tank cleaned
5. Cooling system flushed out
6. Moisture from servo cylinders drained
7. Gear box, transfer case, Axles & steering gear box oil changed

Notes:- The periodic maintenance points listed in the Appendix are as a guide. These may be supplemented as per detailed instruction issued on the maintenance of various vehicles.

### Every 50 hrs

1. Lubricated or checked lubrication of :
  - a) Water pump
  - b) Speed Governor
  - c) Change air cleaner oil
  - d) Hour meter
  - e) Starting clutch
  - f) Clutch fork
  - g) Starting engine gear case
  - h) Starting motor and Generator
  - j) Steering clutch
  - k) Brake pedal shaft
  - l) All grease points of tracks and suspension
2. Drain sludge of
  - a) Oil filters
  - b) Fuel filters
  - c) Clean air cleaner element

### Every 100 hrs

- a) Engine oil changed  
(where applicable)
- b) Air cleaner element cleaned and oil changed
- c) Oil filter element cleaned.

### Every 200/250 hrs

- a) Engine oil changed (where applicable)
- b) Speed governor oil changed
- c) Starting engine oil changed
- d) Pre fuel filter element cleaned
- e) Oil filter element changed
- f) Injection pressure and spray condition checked.

Every 500 hrs

- a) Gear box and final drive oil changed
- b) All level box gears oil changed
- c) Sump removed and cleaned
- d) Oil strainer in sump cleaned
- e) Fuel tank cleaned
- f) Fuel filter paper element changed
- g) Radiator flushed oil

Note: - The periodic maintenance points listed in the Appx are as a guide. These may be supplemented as per detailed instruction issued on the maintenance of equipment

4. Following procedure will be adopted for booking of spares consumed by them:-

- a) Fast moving stores will be drawn from the Field Workshops on loan Voucher before leaving the unit.
- b) The stores consumed on any equipment during the process of maintenance will be entered in the Log Book of the equipment as well as in a register to be maintained by the i/c Mobile Maintenance Team against each BA/EM No
- c) On return a proper Job Card will be opened by the Field workshop for each equipment and the stores consumed by the team entered therein.
- (d) An expense Voucher for the items consumed by the Filed Workshop and signature of the i/c Mobile Maintenance Team Obtained against each item.

Dated \_\_\_\_ July' 71

.....