

DIRECTORATE GENERAL BORDER ROADS

GENERAL MAINTENANCE INSTRUCTION NO. 77

ON

COLD STARTER DEVICE FOR TMB VEHICLE – DEVELOPED BY DEFENCE RESEARCH LABORATORY (MATERIALS) KANPUR

Introduction

1. To facilitate Cold Starting of TMB (and SHAKTIMAN) vehicles under sub zero temperature conditions, Defence Research Laboratory (Materials) Kanpur of Defence Research & Development Organisation has developed a new 'COLD STARTER' indigenously. It is an improvement over the present Cold Starting device in use.

Details

2. Present Cold Starting Device: It consists of :-

(a) Engine starting aid capsules (Cat No. LVS/MT/1.9130.000014)

(b) Start pilot (Part No. LV7/Man-1.08500.7004)

3. The present device suffers from the following disadvantages:-

(a) Involvement of costly imported component like pumping unit.

(b) Leakage of capsules during transit, storage and use.

(c) Involvement of considerable time in procurement of capsules.

4. To get over these shortcomings, DRL (M) Kanpur had developed a new cold starting device, which is completely indigenous and is also comparatively simpler in operation and economical in use. The same has been accepted by the Army ('G' Staff Branch) after elaborate Users trials carried out at high altitudes and has been recommended for introduction into service.

5. Defence Research & Development Organisation Kanpur has asked our annual requirement of the following separately:-

(a) Pumping Unit : Required one per vehicle. It costs Rs. 50/- approximately each.

(b) Cartridges: Required on as required basis. One filled cartridge is sufficient for, at least, 50 starts. It cost Rs. 10/- each.

Annual Requirement – Submission of

6. Project should submit their annual requirement separately for pumping units and cartridges to HQ DGBR(E4/Inv) for procurement action. Nil reports are required.

Supersession

7. This instruction supersedes HQ DGBR letter NO. 67851/DGBR/E4 T dated 30 Aug 1972

GMI No. 77 dated 25 Nov 1972