



GENERAL SIR JOHN KOTELAWALA DEFENCE UNIVERSITY

MBA IN LOGISTICS MANAGEMENT – BATCH VI

RESEARCH ON  
ANALYTICAL STUDY OF THE FACTORS AFFECTING ON EFFICIENCY  
LEVEL OF MAINTENANCE AND REPAIR OF TYPE “B” HEAVY VEHICLES  
IN SRI LANKA ARMY

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## ABSTRACT

Heavy vehicle fleet in Sri Lanka army is having three types such as Type A, Type B and Type C. however type B heavy vehicles are used in general transport and operational task of logistics and troops. There various make vehicles like trucks, busses, bowser etc. which are belongs to Type B heavy vehicle (Type A- armored vehicles, Type C- earth moving vehicles) this vehicle fleet has been managed by Sri Lanka Army Electrical and Mechanical Engineers Regiment in their workshops. In here mainly the base overhaul repairs of type B heavy vehicles are conducting at SLEME base workshop Udawalawe. It is observed that there are no proper policies to improve efficiency of repair and maintenance procedures of type B heavy vehicles in Sri Lanka Army. eight factors affect to the efficiency of repair and maintenance of type B heavy vehicles such as Maintenance efficiency, Regulatory Compliance, Customer communication and feedback, Workflow and organization, Technological advancement, maintenance efficiency. To improve the efficiency in repair and maintenance of type B heavy vehicles in Sri Lanka army, it is required to improve those eight factors. Most of the issues regarding to the efficiency can be resolved by addressing to those eight factors. To improve those eight factors its need to implement a proper repair and maintenance procedure.

**Key words:** *Maintenance efficiency, Regulatory Compliance, Customer communication and feedback, Workflow and organization, Technological advancement, maintenance efficiency, type "B" heavy vehicles.*