

ANDHRA PRADESH STATE ROAD TRANSPORT CORPORATION

NO.OP2/800(1)/2004-MED

OFFICE OF THE VC&MD,  
MSRD, HYDERABAD-20.

CIRCULAR NO.04/2004-MED, DT:16.03.2004

SUB:MAINTENANCE:-Fitment of Halogen Head Light Bulbs on  
all Special Type Vehicles-Instructions issued - Reg

- REF:1) Circular No.21/1997-MED, Dt.29.09.1997.  
2) Circular No.18/2000-MED, Dt.31.05.2000.  
3) Note submitted to VC&MD by ED(T&D) on the issues  
put forth by employees in connection with  
" Make a Difference ".

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The Corporation is presently using 55 W / 50 W Ordinary  
long life Head Light Bulbs on both Tata & Leyland Buses.

Vide Circular cited at reference-2, the use of P45t  
type halogen Head Light Bulbs was banned for use in our  
Buses in line with the CMVR 1997 regulations. The CMVR 1997  
permits use of halogen Head Light Bulbs with P43t cap on  
Vehicles with a maximum wattage of 75 / 70 W.

M/s Tata Motors Limited are already supplying their  
Chassis with Head Light assemblies fitted with P43t type  
halogen Bulbs. The Ordinary Head Light assemblies which we  
are presently procuring for both Tata & Leyland Buses can  
accommodate only P45t cap ordinary Bulbs & hence P43t type  
halogen Bulbs cannot be fitted in these Head Light assem-  
blies. M/s Ashok Leyland will also be shortly supplying  
Chassis with Head Light Assemblies of P43t halogen Bulbs.

Vide reference cited at (3), it was informed that  
during the " Make a Difference " Program being conducted at  
all units, majority Drivers have expressed difficulty in  
night time driving with 55 / 50 W ordinary Head Light Bulbs  
since all the other heavy Vehicle users like trucks, pri-  
vate Buses are using higher wattage Halogen Head Light Bulbs

causing blinding effect. The Drivers complained about insufficient illumination on the road due to which they are unable to cover the distance within the given time & maintain punctuality & requested for fitment of Halogen Head Light Bulbs.

The subject was examined in detail and VC&MD has ordered for use of 75 / 70 W halogen Head Light Bulbs on all Special type Buses viz., Express, Luxury & Hitech Buses, with P43t cap in line with CMVR. Hence the following instructions are issued.

- 1) New Tata Vehicles already have Head Light Assemblies which can accommodate halogen Bulbs with P43t cap. To start with COSs of Tata area are advised to procure Halogen Head Light Bulbs of 75/70 W (P43t) for immediate fitment upto 6 months consumption.
- 2) Contract Cell has placed orders for supply of Head Light assemblies for Tata & Leyland Buses recently. To the extent of Special type Buses content in the Zone, the COSs of Tata area are advised to obtain supplies of Head Light assemblies of P43t bulb holder type from existing suppliers, for fitment on Special type Buses which are presently having ordinary Head Light assemblies. In case of Leyland, AV sealed beam complete with P43t type holder can be obtained to the extent of Special type Buses in the Zone from the existing suppliers.
- 3) COSs of Leyland area shall place local orders for procurement of P43t Halogen Bulbs of 75/70 W upto 6 months requirements for fitment on all Special type Buses with suitable Head Light sealed beam as cited at (2).
- 4) The contract Cell shall arrange for obtaining requirements of Halogen Head Light Bulbs with P43t cap & 75/70 W from Zones and take action for making bulk procurement. Similarly necessary amendment to the existing Purchase Orders for supply of Head Light Assemblies with P43t Bulb holder shall be issued.

- 5) To obtain optimum life out of halogen Bulbs, it is necessary to fit Head Light relay in the circuit to protect costly bulbs from high voltages / fluctuations etc,. COSs are advised to procure and supply 24 V 40A Head Light relay for fitment on Special type Buses along with halogen head light bulbs.

All the Depot Managers are advised to ensure fitment of halogen Head Light Bulbs on Special Type Buses as cited above. The COSs are advised to take immediate action to procure & supply required quantities of Head Light assemblies , Halogen Bulbs & relays to Depots in consultation with the Dy.CMEs concerned.

The Divisional Managers and Dy.Chief Mechanical Engineers are advised to ensure supply of required Head Light Assemblies and Halogen Head Light Bulbs for the fitment on all Special type Buses with immediate effect.

All the Regional Managers are advised to ensure implementation of above instructions with immediate effect.

All Executive Director(Zones) are requested to review the implementation of above instructions at the Depots of their jurisdiction on regular basis.

EXECUTIVE DIRECTOR(E)