ANDHRA PRADESH STATE ROAD TRANSPORT CORPORATION

Office of the VC&MD, Mushirabad, HYD-20. dt: February 4, 2006.

No. TR1/815(11)/2005-MED

CIRCULAR No. 3/2006-MED, dtd: 4-02-2006.

SUB: -TYRES – Use of Radial Tyres on all special type Vehicles – Extending use of Radial Tyres on Ordinary Vehicles operating on plain routes for assessing the improvement in HSD kmpl – Instructions issued – Reg.

REF: - 1) Circular No. 2/2002-MED, dtd: 13.2.02

- 2) Circular No. 17/2002-MED, dtd: 8.11.02
 - 3) Circular No. 30/2003-MED, dtd: 26.8.03
 - 4) Circular No. 11/2005-MED, dtd: 26.9.05

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Through the circular third cited instructions were issued to fit Radial Tyres on all special type Vehicles of the Corporation in view of the advantages in saving on fuel. With the recent price hike of Tyres and retreading materials, the Radial Tyres are proving to be more economical than Nylon Tyres (bias ply) due to higher overall mileage. Provisioning Committee has observed that the extra life obtained by the Radial Tyres is on the Special type Vehicles operated on good roads and with better mechanical condition. In order to compare the performance of Radials on Ordinary routes vis-a-vis Special type Vehicles it was decided to fit Radials Tyres on Ordinary Vehicles also. 3000 additional Radial tyres are being procured to fit on to some of the Ordinary Vehicles, besides the special type Vehicles.

Ten Vehicles in **one of the Depots from each zone** are to be fitted with Radials for conducting the experiment and **assess the improvement in HSD KMPL**, which is a major deciding factor in cost benefit analysis. The following Depots have been selected for the experimental study.

S.No.	Depot	Zone
1	Yadagirigutta	HYD
2	Karimnagar-I	KRMR
3	Chittoor-II	NLR
4	Gooty	KDP
5	Srikakulam-I	VZM
6	Machilipatnam	VJA

The guidelines communicated through the circular second cited for conducting trial on special type Vehicles to assess HSD kmpl performance may be followed at these selected Depots also. However, the following instructions are once against re-iterated for strict compliance.

- 1. The Depot Managers concerned are advised to select 10 Ordinary Vehicles in a single route and ensure fitment of Radial Tyres in **all positions** on first batch of 5 Vehicles among the above. The second batch of 5 vehicles are to be fitted with Nylon Tyres for comparative study. Every month these tyres are to be interchanged to assess the performance accurately.
- 2. The required number of New & RC Radial Tyres have to be drawn from the concerned Zonal Stores.

- 3. The performance of these Vehicles in respect of HSD kmpl in the prescribed proforma as per the <u>Annexure-I</u> has to be furnished to Head Office by the 5th of every month.
- 4. The other instructions issued through the circular fourth cited may be followed scrupulously for proper maintenance of these Radial Tyres.
- 5. Instructions shall be issued to avoid change of the route of these Vehicles during the trial period.

The Depot Managers are advised to explain the importance of the trial to the supervisors and Tyre Mechanics, and ensure successful completion of the trial.

The Zonal Controllers of Stores are advised to supply Radial Tyres New/RC as per requirement to the Depots basing on the allotment given by the concerned DyCMEs.

All the Regional Managers & Divisional Managers are advised to ensure implementation of these instructions without fail.

All the Dy.CMEs are advised to monitor the implementation of these instructions, and the feed back on the usage of Radial Tyres on Ordinary Vehicles may be communicated to corporate office for taking further decision in future.

Please acknowledge the receipt.

VICE CHAIRMAN & MANAGING DIRECTOR

То

The Depot Managers, YGT/KRMR-I/CTR-II/GTY/SKLM-I/MTM.

- Copy to: **EDs (Z)/H&K/V&V/K&N** for information.
- Copy to: **All RMs** for information and necessary action.
- Copy to: **All DVMs** with an advice to ensure implementation of above instructions scrupulously with active participation, duly explaining the advantages on use of Radial Tyres.
- Copy to: **All DyCMEs** with an advice to monitor the implementation of radialisation of Ordinary Vehicles and submit the feedback as sought above. They are advised to furnish the Depots selected for conducting the proposed trial to CME (O) to monitor the performance.

COMPARATIVE PERFORMANCE OF ORDINARY VEHICLES FITTED WITH RADIALS Vs NYLON TYRES Enclosure to Cir No. 3/2006, dt:04.02.2006.

		Performance with Radial tyres							Performance with Nylontyres								
		Fitted date	Removed date	KMS operated		HSD consumption		KMPL			Removed date	KMS operated		HSD consumption		KMPL	
				(a)	(b)	(a)	(b)	(a)	(b)			(a)	(b)	(a)	(b)	(a)	(b)
1																	
2																	
3																	
4																	
5																	

B) Details of breakdowns due to tyre punctures

S No.	Vehicle No.	No. of				
		Radial	5	Nylon		Remarks
		(a)	(b)	(a)	(b)	
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						

a = for the month

b= upto the month