



ANDHRA PRADESH STATE ROAD TRANSPORT CORPORATION

No. TR1/815(4)/2010-MED

Office of the VC&MD,
Bus Bhavan, Hyd-624.

Circular No: 03/2010-MED, dt. 11.03.2010.

SUB:-**RADIAL TYRES** – Use of Radial Tyres on all vehicles – Radialisation of selected Depots – Reg.

- REF:-1) Circular No.30/2003-MED, dt.26.08.2003.
2) Circular No.11/2005-MED, dt.03.09.2005.
3) Circular No.3/2006-MED, dt.04.02.2006.
4) Circular No.4/2006-MED, dt.04.02.2006.
5) Circular No.5/2006-MED, dt.04.02.2006.
6) Circular No.12/2008-MED, dt.16.06.2008.
7) Circular No.20/2008-MED, dt.15.09.2008.

The **study** conducted during the **year 2002** to assess the impact on **HSD kmpl** of the Vehicles fitted with Radial Tyres in **21** Depots covering **177** vehicles revealed an **improvement of 2.71% in HSD kmpl**.

In view of above **encouraging results** and other advantages like less CPK on Tyres (around 4 ps), puncture resistant, less down time due to better mileages with less retreads and better riding comfort, Corporation has gone for **extensive Radialisation in all Special type Vehicles** in the first phase and for the **entire fleet of HYD-1, PKT, TML and ALPR Depots** in the Second phase. In the latest phase of Radialisation, it was extended to **1582 Ordinary Vehicles** operated on plain routes and the **entire fleet of Armour, Vemulawada, Kadapa and Anakapalli Depots**.

The **Total Radialisation** has shown **significant improvement** in respect of HSD kmpl over the years. The **rankings** of these fully Radialised depots during the period **April'09 to Jan'10** is **outstanding** when compared to other depots in the respective Regions. Except **KDP** which is at 4th highest position out of 8 depots in the Region, the other depots **ARMR, VMWD and ANKP** stand at highest kmpl position in the respective Regions. In case of ANKP, only District depots in VSP Region have been compared. However, **the sample may not be sufficient to arrive at a decision to go for expansion of full Radialisation of the depots**.

In this connection, it is decided to go for **full radialisation of appropriate sample** of depots for better comparison. For this purpose, the **lowest KMPL depot** (upto Jan'10) in each Region is **chosen** and the City Regions of Hyderabad City Zone are excluded. The list of the depots with lowest HSD kmpl upto Jan'10 is given hereunder. The allotment of Radials is also shown against each Depot basing on the existing float norms.

Sl. No	Region	Depot	KMPL	Palle Velugu Vehicles	Requirement of Radial Tyres @8.5/Vehicle
1	RR	TDR	5.23	39	332
2	NLG	MLG	5.42	50	425
3	MBNR	MBNR	5.10	41	349
4	MDK	MDK	5.26	43	366
5	ADB	ADB	5.33	65	553
6	NZB	NZB-1	5.40	35	298
7	KRMR	KRMR-1	5.3	54	459
8	WL	WL-1	5.2	16	136
9	KMM	BDCM	5.41	37	315
10	NLR	NLR-II	5.34	65	553
11	OGL	OGL	5.16	93	791
12	TPT	TPT	4.93	60	510
13	KDP	RCTY	5.14	62	527
14	KRNL	KRNL-II	5.07	43	366
15	ATP	ATP	5.05	57	485
16	GNT	MCL	5.37	46	391
17	VJA	VJA	4.14	9	77
18	WG	BVRM	5.33	53	451
19	EG	KKD	5.21	40	340
20	VSP	PDR	4.59	29	247
21	NEC	S.KOTA	4.96	26	221
TOTAL REQUIREMENT OF RADIAL TYRES					8186

Further, the following **guidelines** are issued for **strict compliance**.

- The **period of experiment is 6 months** from the date of fitment of Radials in all positions including spare tyre position.
- The **Depot Managers** are advised to draw the required number of Radial Tyres (New & RC) for complete Radialisation of the depot in a phased program. The **CsOS** of the Zone are advised to issue required number of **New Radial Tyres** from the allotted quantity and **RC Radial Tyres**, duly pooling from other Depots of the zone to avoid burden on the Depot due to drawl of more number of New Tyres and **simultaneously not causing any dislocation in other Depots**.
- They are also advised to ensure issue of Radial New/RC Tyres as per the float Norms. The **excess declared Nylon Tyres** arisen out of Radialisation at the respective Depots shall be **adjusted within the Region** duly controlling the issue of New nylon Tyres in the phased manner. Simultaneously starvation of Tyres shall not take place at any of the Depots.
- The performance of the Depot in respect of **HSD kmpl, Breakdowns due to Tyre punctures** (irrespective of kms cancellation) have to be worked out for comparison. Tyre puncture data may be taken from the RG Register.

- The **progress of the Radialisation** and the performance of the Depot in respect of above parameters have to be furnished to Corporate Office by the **5th of every month in the prescribed format** enclosed along with this circular.
- **The instructions issued through the referred circulars shall be followed scrupulously for proper maintenance of Radial Tyres.**

The respective **Depot Managers** are advised to conduct the trial **without any deviation** and **generate the required data** along with their special remarks, if any and send the same to Regional Office.

The **Dy. Chief Mechanical Engineers** concerned shall draw a **follow up action** and ensure supply of adequate number of Radial Tyres to these Depots. They shall **monitor the performance on monthly basis** and send the details in the prescribed format to Corporate Office through Regional Manager for further analysis.

The **Regional Managers** are advised to monitor the implementation of Radialisation and subsequent performance trends. They are requested **to arrange the data in the prescribed proforma on monthly basis as stated above along with their specific remarks.**

The **Executive Directors** are requested to ensure **effective implementation** of above instructions duly pruning the Tyre shop and Zonal Stores activities accordingly.

Vice Chairman & Managing Director

Copy to: Dir (V&S) for information.

Copy to: ED(E&IT), ED(A&P) for information and n/a.

Copy to: ED(O&MIS), ED(T&C), FA and CAO for information.

Copy to: ED(GH&AM), ED(H&K), ED(K&N) and ED(V&V) for information & n/a.

Copy to: FA & CAO for information.

Copy to: CME(O), CME(C&B), CE(IT) for information & n/a.

Copy to: Regional Managers, All Regions for information & n/a.

Copy to: Works Managers, All ZWSs for information & n/a.

Copy to: Dy.CMEs, All Regions for information & n/a.

Copy to: AMEs(T) for information and & n/a.

Copy to: DMs/TDR, MLG, MDK, ADB, NZB-I, KRMR-I, WL-I, BDCM, NLR-II, OGL, TPT, RCTY, KRNL-II, ATP, MCL, VJA, BVRM, KKD, PDR, S.KOTA for necessary action.

Copy to: Maintenance Incharges TDR, MLG, MDK, ADB, NZB-I, KRMR-I, WL-I, BDCM, NLR-II, OGL, TPT, RCTY, KRNL-II, ATP, MCL, VJA, BVRM, KKD, PDR, S.KOTA for necessary action for information and necessary action.

Copy to: Notice Board of all Depot Garages of TDR, MLG, MDK, ADB, NZB-I, KRMR-I, WL-I, BDCM, NLR-II, OGL, TPT, RCTY, KRNL-II, ATP, MCL, VJA, BVRM, KKD, PDR, S.KOTA.

Copy to: Manual section, H.O.