



ANDHRA PRADESH STATE ROAD TRANSPORT CORPORATION

No. TR1/815(24)/2018-MED

O/o the VC&MD,
Vijayawada-13.

Circular No. 3/2018-MED, dated. 21.03.2018

SUB : TYRES - Special Drive On Tyre Maintenance- Tyre care Fortnight from
01.04.2018 to 15.04.2018 - Reg.

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1.0 The total expenditure of the Corporation during the year 2017-18 (upto Feb'18) is Rs.5493 Crores, out of which the expenditure on Mechanical Engineering Department parameters is as follows.

Power (HSD oil)	:	1267 Crores
Tyres & Tubes	:	65 Crores
Workshops	:	74 Crores
Stores & Lub	:	<u>77 Crores</u>
Total	:	<u>1483 Crores</u>

As seen above, Corporation has spent Rs.65 crores on Tyres alone during 2017-18 (upto Feb'18) which is contributing 4.38% of MED expenditure.

Further, it is observed that the cost per kilometer on Tyres & Tubes is 60 paise during the year 2017-18 (upto Feb'18) as against 57 paise CPK of previous year. This increase in CPK on Tyres mostly due to increase in cost of New Tyres and Retreading materials.

2.0 Upto Feb'18 an Average Total Tyre mileage of 2,01,106 Kms is achieved during the year as against 1,97,999 Kms in the corresponding period of preceding year. Thus the Total Tyre mileage has increased by 3,107 Kms. The recent depot visits/ inspections by MED teams reveal that there is large scope to further increase the Total Tyre life at some depots. The following lapses are noticed which are adversely affecting the Tyre life.

- Identification and attention of mechanical defects are neglected.
- Tyres are being rotated from FOS to FNS and Vice-versa without disc rotation
- New tyres rotation from Front to Rear position at the skid depth of 6 mm is neglected.
- Sufficient inflation points are not provided as per the circular instructions in some of the depots contributing to inflation defects.
- Supervisors are not cross checking the Tyre inflation activities.

- Proper attention on rectification of Mechanical defects during Sch-III/IV maintenance is neglected.
- Tyre puncture analysis is not being done in true spirit.
- Wheel disc grinding & painting with Redoxide is neglected in some of the depots.
- Stocking of sufficient quantity of dual tyres is neglected.
- Valve neck centering in disc is not being done while assembling Tyre.

3.0 The corporation has gone for standardization of 10.00R20 Tyres for all vehicles in place of 9.00R20 to improve Tyre performance and thereby to reduce CPK on Tyres.

The scrap analysis upto the month of Feb'18 Vs Feb'17 is shown here under:

DESCRIPTION	NEW SCRAP			1ST RC SCRAP			TOTAL SCRAP		
	Upto Feb'18	Upto Feb'17	Vari	Upto Feb'18	Upto Feb'17	Vari	Upto Feb'18	Upto Feb'17	Vari
S1-Concussion	243	241	2	788	775	13	2258	2206	52
S2 - Run Flat	111	225	-114	889	716	173	3357	2760	597
S5- Side wall Damage	82	34	48	1108	659	449	4322	2597	1725
TOTAL	436	500	-64	2785	2150	635	9937	7563	2374

It can be seen that total scrap of S1, S2 & S5 increased by 2374 nos when compared with previous year. This can be reduced by sensitizing the drivers.

4.0 Hence, it is felt necessary to conduct a **comprehensive special drive on tyre care practices** to brush up and drive the depots towards improved Tyre maintenance practices, in order to achieve the improved Tyre Performance in the coming Months.

Accordingly, it is proposed to conduct "**Tyre Care Fortnight**" during April, from **01.04.2018 to 15.04.2018**.

The Main aim of Tyre Care Fortnight is to keep all the tyre care systems on stipulated track besides refreshing the knowledge and skills of the supervisors and Tyre Mechanics at depots.

5.0 The following aspects have to be taken care during the Tyre care fortnight which are broadly divided into three phases.

Identification of Tyre maintenance Lapses:

- Identification **infrastructural lapses** and availability of Manpower, availability of gauges and their condition etc. Steps to be taken to fill up the Tyre Mechanics as per the norms.

CATEGORY	SCHEDULES				
	UPTO 30	31 to 79	80 to 119	120 to 149	150 & ABOVE
TYRE MECHANIC	1	2	3	4	5

- **Physical inspection of vehicles** and identification of Worn Smooth Tyres, inflation and mechanical defects leading to loss of Tyre life.
- **Identification of skill levels** for further improvement.

Training and awareness programmes:

- Display of **banners** and **display of Tyre care practices** on flexi sheets at appropriate places.
- **Classroom training** to Tyre Mechanics and Supervisors to brush up their knowledge on **Circular guidelines** and Tyre care systems.
- **Gate meetings shall be conducted at all depots to drivers to explain the scrapping of Tyres for S1, S2 and S5 reasons.**

Rectification of Lapses and Rededication:

- All the required infrastructural facilities shall be made available in ideal conditions.
- All the mechanical defects on Vehicles shall be attended duly taking the assistance of workshops and stores wherever necessary.
- **Practical training** shall be arranged for the supervisors, Tyre ADC's and Tyre mechanics at respective Tyre Retreading shops.

6.0 The **Depot Managers** are advised to involve themselves in **setting the standards of Tyre management and maintenance practices** at the respective Depots. They shall effectively utilize the Tyre care fortnight and lead the supervisors and their team with a result oriented approach.

7.0 The **Dy.Chief Mechanical Engineers** shall take **lead** throughout the Fortnight and see that the correct **systems are established** so strongly that the same are continued in future with normal supervisory attention as such. They have to see that staff is **sufficiently motivated** to run the system effectively and efficiently in the coming months.

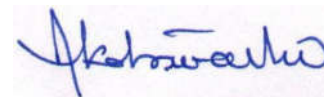
8.0 The **Regional Managers** are advised to bestow their personal attention in keeping the systems related to Tyre maintenance in order during 'Tyre care Fortnight' among the supervisors and workmen. The Regional Managers are also advised to **conduct an exclusive meeting** with the Depot Managers, Maintenance In - charges, Tyre mechanics and the mechanics **during the Tyre care Fortnight** to review specifically the entire Fortnight activities and **set goals to the Depots** for the improvement in Tyre performance in the coming months.

The **Regional Managers** are advised to send a **detailed compliance** report on the Tyre Care Fortnight conducted in the respective Regions, by **20.04 2018**.

9.0 The **Executive Directors** of the Zones are requested to ensure **effective implementation** of Tyre care Fortnight. The **Tyre Retreading shops** under respective jurisdiction shall also conduct Tyre care fortnight, to **strengthen the quality checks** and to motivate the TRS staff to achieve and continue the required quality standards.

10.0 WM and AME(Tyres) shall conduct **one day practical training** to the respective supervisors and Tyre section staff of depots effectively during the fortnight **at Tyre Retreading shop** to make them aware of the **individual depot's relative position** in Tyre performance and to bridge the gap if any existing between the depots and Tyre Retreading shop.

All EDs, RMs, Dy.CMES and DMs are requested to observe Tyre Care Fortnight from **01.04.2018 to 15.04.2018** in true spirit and make all efforts to improve/implement Tyre maintenance practices at all depots in the ensuing months.



Executive Director(E&IT)

To
All Depot Managers

Copy to: VC&MD for favour of infn.

Copy to: Dir (V&S), ED (O&M), ED (A&P)(H&M), FA & CAO for infn.

Copt to: All EDs (Zones) for information.

Copy to: All RMs & HODs for necessary action.

Copy to: All Senior Scale Officers of H.O. for infn.

Copy to: All DyCMEs, WMs, COSs & Dy.CAOs of Zones for necessary action.

Copy to: All Principals of ZSTCs & Principal-TA/VJA for information.

Copy to: All AMEs(Tyres) for infn.

Copy to: All Maintenance In-charges for necessary action.