



ANDHRA PRADESH STATE ROAD TRANSPORT CORPORATION

No. TR1/815(11)/2019-MED

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

Circular No. 13/2019-MED, dated. 24.10.2019

SUB : TYRES - Special Drive On Tyre Maintenance- Tyre care Fortnight from  
16.11.2019 to 30.11.2019 - Reg.

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1.0 The total expenditure of the Corporation during the year 2019-20 (upto Sep'19) is Rs.3453.6 Crores, out of which the expenditure on Mechanical Engineering Department parameters is as follows.

	<u>2018-19(UPTO SEP'18)</u>	<u>2019-20(UPTO SEP'19)</u>
Power (HSD oil) :	829 Crores	792 Crores
Tyres & Tubes :	41 Crores	38 Crores
Workshops :	40 Crores	36 Crores
Stores & Lub :	42 Crores	39 Crores
Total :	<u>952 Crores</u>	<u>905 Crores</u>

As seen above, Corporation has spent Rs.38 crores on Tyres alone during 2019-20 (upto Sep'19) which is contributing 4.18% of MED expenditure.

Further, it is observed that the cost per kilometer on Tyres & Tubes is 63 paise during the year 2019-20 (upto Sep'19) as against 68 paise CPK of previous year. This decrease in CPK on Tyres mostly due to decrease in cost of New Tyres and reduction of tyre float norms at depots & TRSs from 1.5 (0.8 depot + 0.7 TRS) to 1.0 (0.6 depot + 0.4 TRS). Thus, the induction of New Tyres against scrap is reduced in order to adjust the excess tyres in circulation raised due to reduction of tyre norms.

2.0 Upto Sep'19 an Average Total Tyre mileage of 2,08,244 Kms is achieved during the year as against 2,04,067 Kms in the corresponding period of preceding year. Thus the Total Tyre mileage has increased by 4,177 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.
- Rotation of Tyres is being neglected which is resulting in severe camber wear on tyres resulting in significant drop in tyre life at New/ F-mark stage.
- Delayed rotation of New/ 'F' mark tyres from FOS to FNS and vice-versa with disc rotation during SCH-III and twice between SCH-III at 6,500 Kms interval to get even wear on the tyre as stated in the "Tyre Maintenance Manual 2.0" in view of revised maintenance schedule III/IV kms.

- Sufficient inflation points are not provided as per the circular instructions in some of the depots contributing to inflation defects.
- Neglected calibration of Gauges & Leakage of adopters.
- 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 Red oxide is neglected in some of the depots.
- There is no specific plan for inflating tyres twice in a week with duly maintaining the gap of 3/4 days within a week.
- Cross checking of gauges with Master gauge on weekly basis is not being done.
- Many adopters are found in leakage condition.
- Valve neck centering in disc is not being done while assembling Tyre.
- Make wise segregation and stocking of tubes is not being done.
- Some of the Tyre mechanics and Garage supervisors are not having sufficient knowledge on Tyre maintenance and clarity about the guidelines issued on tyre maintenance procedures through various circulars and "Tyre Maintenance Manual 2.0".

3.0 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 November, from 16.11.2019 to 30.11.2019.

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.

4.0 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.
- 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.

5.0 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.

6.0 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. The detailed check list of T&P, registers to be maintained at depots is enclosed and the consolidated T&P list of the region shall be submitted to CME(M) by 10.11.2019


7.0 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 10.12 2019.

8.0 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.

- 9.0 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.
- 10.0 "Tyre maintenance Manual 2.0" was released in the year 2018 with latest developments on depot tyre maintenance & circulars which is an updated version of "Tyre Mechanic Hand Book". Hence, all EDs, RMs, Dy.CMES and DMs are requested to make use of this manual and explain the systems to be adopted to Supervisors, Tyre Mechanics and also display the Cover page (Front Page) in the banners during Tyre care fortnight to create awareness of the book.

All EDs, RMs, Dy.CMES and DMs are requested to observe Tyre Care Fortnight from 16.11.2019 to 30.11.2019 in true spirit and make all efforts to improve/implement Tyre maintenance practices as stated in the latest "Tyre Maintenance Manual 2.0" at all depots in the ensuing months.

  
Executive Director(E)

To  
All Depot Managers

- Copy to: OSD to VC&MD for favour of infn.
- Copy to: Dir (V&S), ED (O), ED (A), FA & CAO for infn.
- Copy 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 & n.a.
- Copy to: All Maintenance In-charges for necessary action.