

# ANDHRA PRADESH STATE ROAD TRANSPORT CORPORATION

No,TR1/32(1)/2008-MED

O/o The VC & MD,  
Hyderabad-624,

## **CIRCULAR No.08/2008-MED, dt. 04.06.2008**

Ref : - Lr.No.STU/01/04, dt.02.04.2008 of M/s JK Tyre & Industries Ltd, Hyd.

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APSRTC introduced Radial Tyres on its fleet way back in the year 1989 in small quantities to start with. Subsequently an extensive study was conducted on Radial tyres in 21 depots of the corporation for a considerable period and observed an improvement of 2.71% in HSD kmpl over the vehicles with Nylon tyres. The CPK on Radial Tyres is proved to be much lesser than the Nylon tyres besides the improvement in HSD kmpl. Basing on the cost benefit observed in CPK on HSD & Tyres, a decision was taken to radialise all special type vehicles of the corporation in the year 2003.

Subsequently with a view to assess the improvement in KMPL & Tyre performance for Pallevelugu vehicles also, The depots of Anakapalle, Armour, Vemulawada and Kadapa were identified for complete radialisation on trial basis. Owing to successful trials, a decision was also taken for radialising Pallevelugu buses operating on main roads to the extent of 1582 vehicles out of 9417 i.e. 16.8% Pallevelugu buses held by the Corporation (Up to Jan'08).

Besides this, Hyderabad-I, Picket, Alipiri (Ghat operation), Tirumala (Ghat operation) depots were already radialized on entire fleet.

Thus, as on today, there are 8 depots in the corporation where all the vehicles are fitted with Radial tyres. It was discussed with M/s JK Tyres, one of the major suppliers of Radial tyres, to evolve an award scheme for selecting the best depots among these 8 depots with better tyre maintenance practices. The idea behind the scheme is to inculcate competitive spirit for establishing better maintenance practices and tyre care systems at these 8 depots. M/s JK tyres has come forward with a proposal for introducing a scheme in awarding the fully radialised depots with better maintenance practices. The salient features of the award scheme are as follows.

### **1. SCOPE OF THE AWARD SCHEME :**

- The scheme is valid for a period of 10 months starting from July'08 to Apr'09, and is limited to 8 depots where all the vehicles are fitted with Radial tyres.
- The scheme is extended to tyre mechanics & their assistants (RTC only), Sch-I and Sch-II mechanics, tyre ADC for being awarded, One Supervisor earmarked for tyres, Garrage Incharge and Depot Manager of the Depot will also be awarded suitably.
- The scheme is applicable for 9.00 R 20 and 10.00 R 20 tyres and their related maintenance and also other Radials if available at the above depots.
- Best three Depots among the eight Depots are eligible for the award.

## **2. DETAILS OF AWARDS :**

Three best depots among the eight depots will be selected at the end of the period and given an award of Rs.25000/- (1<sup>st</sup> prize), Rs.15000/- (2<sup>nd</sup> prize), Rs.10000/- (3<sup>rd</sup> prize). This award is given in the form of utility articles distributable among the eligible employees as stated above. **The expenditure on the above said awards will be incurred by M/s JK Tyres and there is no obligation from APSRTC in any way.**

## **3. INITIAL REQUIREMENTS :**

- Before starting the award scheme, the Depots shall ensure to hold the required infrastructure in working condition like, sufficient no. of inflation points with Updated calibration, New wheel alignment gauge, Disc grinding machine, etc. Further, sufficient quantity of materials like Red Oxide paint, Valve caps (20% over and above requirement), flaps (20% over and above requirement), Chalk powder, GI washers etc shall be ensured.
- It shall also be ensured that all the scrap flaps, tubes are to be sent to scrap yard and the scrap tyres to TRS.

## **4. MATERIAL SUPPORT BY M/s JK TYRES :**

- M/s JK Tyres has agreed to supply the educative display charts to all these depots and have to be displayed at conspicuous places.
- M/s JK Tyres has also agreed to supply 200 brass plated flaps to HYD-1, PKT, TPT, ALPR and TML depots and 50 nos. to HYT, RNG-II, HCU and BHEL Depots of Greater Hyderabad Zone on trial basis at the price of regular flaps. The concerned COSs of the Zone shall make arrangements for supply of the same to the respective Depots.

## **5. CRITERIA FOR SELECTION :**

- It is proposed to visit the Depots once in a quarter and audit the systems as per the proforma designed. The team consists of Mr. Y.Sathish Kumar & team from M/s JK Tyres and Dy.CME(P), Dy.CME of the Region & AME(T) of the Zone from APSRTC.
- Basically the systems implementation and tyre care practices in the Depot are taken into consideration for evaluating the Depot instead of tyre performance (except New Tyre Scrap Rate).
- Data on Tyre & HSD KMPL performance prior to the implementation of award scheme for 12 months period (preferably of 2007-08) will be taken for study purpose only.
- The parameters that are taken into consideration during the audit of the Depot are tabulated below along with the weightage marks.

S No	DESCRIPTION	PROCESS	MARKS			
a	RIM CLEANING AND FITMENT	All fitments should have rim cleaning and painted available on the floor is the quantity for the evaluation	5			
		All New tyres fitment is with double inflation system.	5			
		Evaluation on the basis of physical follow up and removed tyre examination				
b	VALVE CAPS	All tyres should have Valve caps. Evaluation on the basis of physical inspection	5			
c	ALIGNMENT	All front axles should be fitted after correcting Mechanical defects and calibrating alignment records to be maintained for inspection. Minimum 20% physical inspection of Fleet strength.	10			
d	INFLATION	FRONT 115 PSI 9.00 R 20 14 PR	30			
		REAR 105 PSI 9.00 R 20 14 PR				
		FRONT 120 PSI 10.00 R 20 16 PR				
		REAR 110 PSI 10.00 R 20 16 PR				
		DEVIATION OVER INFLATION				
		3 - 6 PSI Loss of 0.5 mark per tyre				
		> 6 PSI Loss of 1 mark per tyre				
		UNDER INFLATION				
		3 - 6 PSI Loss of 1 mark per tyre				
		> 6 PSI Loss of 2 mark per tyre				
		Minimum 60% physical inspection of Fleet strength				
		e		ROTATION	FRONT.	10
					10000 kms Normal/Ghat Roads Position/Disc Change	
DEVIATION						
>10000 kms Normal/Ghat Roads Loss of 1 mark Per tyre						
REAR						
Matching 1/8" to 1/4" in Radius						
DEVIATION Loss of 0.5 marks per position						
f	FRONT AXLE	at 60% - 65 % To be shifted to rear off side	10			
		DEVIATION				
		> 65% Loss of 0.5 mark per tyre				
		No rotation Loss of 1 mark per tyre				
		Minimum 60% physical inspection of Fleet strength				
g	REMOVAL	at 80% - 85% For Recapping	20			
		DEVIATION				
		> 85% Loss of 1 mark per tyre				
		Minimum 60% physical inspection of Fleet strength				
h	NTS	Maximum 50% of NTS achieved in 2007-08 by the respective Depots.	5			
		All NTS Tyres to be physically inspected by JK Team				
Total Marks			100			

- **Minimum marks for qualifying is 50%.**
- At the end of the period, the percentage of marks obtained by each Depot in all the qualities are summed up and the best three Depots will be made eligible to receive the award 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> respectively.
- The awards will be finalized by APSRTC in consultation with M/s JK Tyres.
- **ED(E&IT) is authorised to incorporate or modify the criteria and other conditions if necessary and the decision of ED(E&IT) is final in this regard.**

## **6. AWARDS DISTRIBUTION :**

During May'09, the award will be distributed to the eligible employees in a function organized by M/s JK Tyres in consultation with APSRTC in Hyderabad or Vijayawada in a befitting manner.

## **7. CONCLUSION :**

The scheme is basically intended to streamline the systems on tyre care at these Depots, which will become 'Model Depots' to be emulated by other Depots of the Corporation. There is no obligation on either side (APSRTC & JK Tyres) on any areas of concern in this process.

ED(Zones) are advised to monitor the scheme implementation and to communicate suggestions and recommendations at the end of award scheme period.

RMs of concerned Regions are advised to monitor the implementation of the award scheme and maintenance practices adopted at Depots. They are also advised to send the suggestions at the end of the scheme.

Dy.CMEs of concerned regions are advised to follow up the implementation of the award scheme, maintenance practices and records to be maintained. They have to ensure the initial requirements of the Award scheme at their respective Depots duly coordinating with Zonal stores and Tyre shop for necessary help.

The Depot Managers are advised to involve themselves for the effective implementation of the scheme. They have to ensure effective preparation of the Scheme among all the employees of the Depot besides implementation of maintenance practices and record keeping to obtain maximum benefit of the scheme.

**Vice Chairman & Managing Director**

Copy to : Director(V&S), ED(O&MIS), ED(A&P), ED(T&C) & Secretary to Corporation,  
FA and CAO for information.

Copy to : All ED(Zones) for information and necessary action.

Copy to : RM/KRMR/RR/NZB/CTR/VSP/KDP for necessary action.

Copy to : Dy.CME/KRMR/RR/NZB/TPT/VSP/KDP for necessary action.

Copy to : All WMs/COSs for necessary action.

Copy to : All AME(T) s for necessary action.

Copy to : DMs/HYD-I/PKT/VMDA/ARMR/AKP/KDP/TML/ALPR for necessary action.

Copy to : AE(Mech)s/HYD-I/PKT/VMDA/ARMR/AKP/KDP/TML/ALPR for n. action.

Copy to : Manual section, H.O.

Copy to : Sri.JTH Murthy, Sr.Manager(IS-TR) for information and necessary action.

This is with reference to your Letter No.Lr.No.STU/01/04, dt.02.04.2008.