

ANDHRA PRADESH STATE ROAD TRANSPORT CORPORATION

Office of the VC&MD
MSRD, HYDERABAD.

No. PRD1/462(3)/2005-MED

Date: July 8, 2005

CIRCULAR No. 7/2005-MED, DT: 8.7.05

SUB:-MAINTENANCE – Use of de-mineralized water in place of distilled water for battery maintenance to save electricity – Instructions issued – Reg.

At depots distilled water is needed for top up of batteries once in a week. This water is prepared by distillation process using electrical heaters of 6000 watts capacity. With the spiraling cost of electricity it is better to go for alternative methods for preparation of distilled water.

De-ionization/De-mineralization method is one such alternative and the water generated through this process can be utilised for battery top up without any problem. All the workshops except Uppal are already having these plants. Some of the depots are also drawing the de-mineralized water from the workshop through separate cans for their battery top up purpose. There by the depots are able to save considerably on electrical charges. The plants installed at the workshops are also in a position to meet the entire requirement of depots under their jurisdiction.

Thus, after examining the benefits due to usage of de-mineralized water it is decided for standardization of using de-mineralized water in place of distilled water. In this connection the following instructions are issued.

- i) All the depots except Hyderabad Zone shall stop using distilled water plants with electrical heating elements with immediate effect. Depots shall assess the requirement of de-mineralized water for one week and they shall draw the same from workshops through plastic cans on their workshop collection day. It shall be ensured to maintain these plastic cans neatly. The old distilled water plants can be DS8ed immediately after regularization of this process.
- ii) Zonal Workshop, Uppal shall take urgent action for procurement of de-mineralized plant of required capacity. WM shall intimate all the depots of the zone to stop using the electrical distilled water plants and to draw de-mineralized water from the workshop after installation of the plant.
- iii) Workshops shall generate sufficient quantity of de-mineralized water to meet workshop as well as depots requirement and stock.

- iv) There is a provision in the plant to ensure quality of the treated water with the conductivity indicator fitted to it. Recharging of the plant as prescribed by the equipment manufacturer periodically is necessary for ensuring quality output. Works Manager/Asst. Works Manager shall review this aspect frequently.

Works Managers/Dy.CMEs and Depot Managers are advised to follow the above instructions scrupulously with immediate effect.

Executive Director
(ENGINEERING)

To
All the Depot Managers
All the Works Managers

Copy to: All EDs (Z)/H&K, V&V, K&N for information.

Copy to: All RMs for information & necessary action.

Copy to: All DVMs for necessary action.

Copy to: All DyCMEs/DVMs with an advice to ensure drawing de-mineralized water from respective workshops for the depot requirement.

ANDHRA PRADESH STATE ROAD TRANSPORT CORPORATION

Office of the VC&MD
Mushirabad, HYD-20.
Dt: November 22, 2005

No. PRD1/462(3)/2005-MED

To
All the Dy.Chief Mech. Engineers

SUB: -MAINTENANCE – Use of de-mineralized water in place of distilled water for battery maintenance to save electricity – Requirement of de-mineralized water – Details called for– Reg.
REF: - Circular No. 7/2005-MED, dtd: 8.7.05

You are aware that instructions were issued through the circular cited above to use de-mineralized water in place of distilled water for battery maintenance duly collecting the same from respective zonal workshops on the collection day in view of spiraling cost of electricity.

The progress in implementing the above instructions has not been reported to this office so far by the field Managers.

Instructions were issued that the Depots shall assess the requirement of de-mineralized water for one week and they shall draw the same from workshops through plastic cans on their workshop collection day. And once the system is regularized, the distilled water plants available in the Depots shall be scrapped.

Workshops shall generate sufficient quantity of de-mineralized water to meet workshop as well as depots requirement and stock for uninterrupted supply.

To cross check the demand & supply of de-mineralized water from workshops, it is desired to collect the details from the field.

In this connection, all the Dy.CMEs are advised to assess the monthly requirement of de-mineralized water of all the Depots under his jurisdiction towards battery maintenance and furnish to the undersigned within a week's time to streamline the supply from workshops duly advising the WMs.

Treat the matter as Most Urgent.

Chief Mech. Engineer (O)

Copy to: ED (E) for favour of information.

Copy to: EDs/H&K/V&V/K&N for favour of information.

ANDHRA PRADESH STATE ROAD TRANSPORT CORPORATION

Office of the VC&MD
Mushirabad, HYD-20.
Dt: November 22, 2005

No. PRD1/462(3)/2005-MED

To
All the Works Managers

SUB: -MAINTENANCE – Use of de-mineralized water in place of distilled water for battery maintenance to save electricity – Supply status - Reg.
REF: - Circular No. 7/2005-MED, dtd: 8.7.05

You are aware that instructions were issued through the circular cited above to use de-mineralized water in place of distilled water for battery maintenance in view of spiraling cost of electricity. The required quantity of de-mineralized water shall be supplied from respective zonal workshops on the collection day.

The progress in implementing the above instructions has not been reported to this office so far by the Works Managers. Unless all the workshops supply the de-mineralized water adequately, the Depots may not be in a position to implement the instructions issued through the said circular and realise the savings on power.

In view of the above, it is desired to collect the requirement from the field managers and the generation of de-mineralized water from workshops to find out the gap if any between the demand and supply.

Thus, all the WMs are advised to furnish the details of capacity of generation of de-mineralized water that can be supplied to Depots to this office within a week's time to apprise the ED (E). Further, WM/Uppal is advised to inform if the De-mineralizer Plant is installed, if so the details of installation & capacity etc.

Treat the matter as Most urgent.

Chief Mech. Engineer (O)

Copy to: ED (E) for favour of information.

Copy to: EDs/H&K/V&V/K&N for favour of information.