



**ANDHRA PRADESH STATE ROAD TRANSPORT CORPORATION**  
**Mechanical Engineering Department**

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

No : OP3/462(Bedbugs)/2015-MED

**CIRCULAR NO. 07/2015-MED, Dt.28-03-2015**

Sub: **UPKEEP**: Eradication of Bed bugs problem in High end buses - Certain instructions issued - Reg.

Of late the Bed bugs have become a serious menace in the High end buses at all depots especially those operating to Bangalore city. Recently, one of the passengers has complained directly to the Hon'ble Transport Minister along with the photos of the skin affected by the Bed bugs while travelling in a Super Luxury Bus.

The following guidelines are hereby issued to overcome this problem.

**Fumigation treatment with Aluminium Phosphide (Phosphine):**

- The usage of Aluminum Phosphide tablets is proved to be an effective solution in fumigating the bed bugs in the buses. The fumigation with Aluminum Phosphide shall be done in an air tight condition for best results.
- One tablet of Aluminum Phosphide shall be kept under each seat for about 36 hours duly closing all the doors, windows and hatches and making the bus interiors air tight.
- Exposure to Aluminium Phosphide can pose a health hazard to humans. So it is important to follow the precautionary measures prescribed on the product labels.
- Suitable "DANGER" signage shall be placed near the bus undergoing fumigation treatment so as to avoid human exposure to the Phosphine.
- The use of pesticide on mattresses, clothing or bed linens shall be avoided.
- The tablets shall be placed on trays or sheets of Kraft paper so that residual material can be easily collected at the end of the treatment.
- The persons working in fumigation must wear face mask, suitable canisters and hand gloves while fumigating as well as ventilating the fumigation.

- After 36 hrs, the all the doors, windows and hatches shall be kept open for at least 2 hours to relieve the interiors from the toxic fumes of Aluminum Phospide.
- After a fumigation, any residual material left from the reaction process should be disposed of in an approved manner. This can be accomplished by burying or by slowly adding the dust to a container of water (with detergent as a wetting agent) and stirring into the water until a slurry is formed and the residue sinks. For the purposes of safety, the disposal procedure should be carried out in the open air, where any generated phosphine can rapidly disperse.
- The process of fumigation ***shall be repeated on the same vehicle after 10 days*** to weed out the bedbugs hatched out of the eggs.

All the Depot Managers are advised to undertake fumigation treatment for all High end buses once in a quarter and see that no bed bugs complaint is reported.

The Regional Managers are advised to obtain necessary permission from the head of the District Agricultural department for procurement/use of Aluminum Phosphide tablets. The Depot Managers shall procure the tablets from the authorized pesticide dealers duly obtaining the authorization from the Agricultural department.



**EXECUTIVE DIRECTOR (E&IT)**

To  
All Regional Managers.

Copy to: VC&MD for favour of information.

Copy to: JMD, Director (Vig. & security), ED(A&P), FA, CAO & ED(HRD & Medical) for infmn.

Copy to: All EDs (Zones) for favour of information

Copy to: All Dy.CMEs for necessary action

Copy to: All DMs for necessary action.