

43

✓

ANNEXURE- 1

GUIDELINE FOR SUPPLY OF CHLORINE TONNERS

1. Chlorine will be supplied to OPGC in OPGC Tonners-only.
2. Every time after receipt of OPGC empty Tonners for refilling, all Tonners are to be properly degassed. Valves are to be strictly checked for correctness of Spindle, seat & Gland etc. If minor suspect or defect found, change the whole valve or part thereof as required by the guidelines of department of explosives to ensure no failure of valve.
3. Fit ISI approved Chlorine valve with monel spindle & seat valve i.e either Tekno or Vanaz valves.
4. Refill the Tonners those have undergone successful Hydrostatic Stretch Test (HST) & having valid due date of testing.
5. Refilled Chlorine quantity in Tonner must not exceed 900kg at any condition.
6. The Chlorine to be refilled must be dry & free of Sludge i.e moisture less than 150 PPM.
7. The supplier shall submit certificate in support of moisture content with each supply lot.
8. Hydrostatic Stretch Test must be done strictly as per IS 5844 guideline.
9. As per Gas cylinder rule 9, every Chlorine Tonner shall be labeled with the name of the gas, name of the Filler & a Warning Tag with signature of refilling station in charge.
10. After refilling, each Tonner shall be verified thoroughly with Ammonia Torch for leak.
11. The refilled Tonners shall be kept under minimum 72 Hrs observations. The Tonners shall again be verified after observation period & Tonners verified O.K only shall be delivered.
12. If Tonners are kept beyond the observation period, the Tonners are to be verified again for leak before loading for delivery. No leak Tonner shall be transported.
13. Make sure that all fittings (valve hood, cap nut) are in proper position. Valve cap nuts shall be fitted after ensuring dryness of valve discharge section.

GUIDELINE FOR TRANSPORTATION OF CHLORINE TONNERS

1. The driver should have valid heavy vehicle driving license with endorsement on it by Road Transport Authority for driving HAZMAT vehicle.
 2. Chlorine Tonners should be transported by open body truck having side-opening dala.
 3. The driver should be able to read & write at least one Hindi and local language.
 4. The transporter should have valid license for transporting hazardous chemical.
 5. The vehicle should have specified hazard information on the prescribed place.
 6. Before loading Toners, ensure no leak in Toners.
 7. There shall be only one row of Tonner inside the Vehicle. In any case, Tonners will not be loaded one above another.
 8. Ensure that the valves of Tonners are in a vertical plane (Top – Bottom)
 9. Do not load any other chemical or material together in the same vehicle while carrying empty and filled Chlorine Toner.
 10. Toners shall be properly secured with rope /wooden blocks/rubber pads & should not project outside the truck frame.
 11. The driver & staff of the vehicle should be trained & aware of chlorine hazard.
 12. A competent person properly trained and equipped with proper PPEs like suitable SCBA/Mask, Ammonia torch & handy emergency kit must accompany to attend emergency during the transport.
- [Handwritten Signature]*

13. The transporter should get the emergency equipments like SCBA etc checked by OPGC personnel before every trip.
14. Attend to emergency is permitted only if the person is fully ensured with his personal safety & fully competent to attend emergency.
15. CO₂ Fire extinguisher must be made available inside the vehicle for emergency control of fire hazard.
16. The vehicle shall move within the safe speed limit.
17. The vehicle shall be parked if required in isolated place away from street or mass gathering.
18. The vehicle shall not be parked under direct sun especially when the atmospheric temperature is high i.e. > 40° C. Park the vehicle under shed.
19. During peak summer days special care must be taken like avoiding journey in daytime so as to avoid transportation during peak temperature hours.
20. The following documents must be available in the vehicle: -
 - i. Valid certificate of fitness, insurance, registration of the vehicle.
 - ii. TREM CARD and MSDS,
 - iii. Contact telephone numbers of the Supplier, Consignee and the Transporter.
21. The Transporting personnel (Driver & others) should not take any type of alcoholic drink or drug during Chlorine transport.
22. In case of emergency/accident, inform to nearest police station, supplier & purchaser.

[Faint stamp or signature]

[Handwritten signature]