

CHANDIGARH ADMINISTRATION

CHANDIGARH HOUSING BOARD
8, Jan Marg, Sector 9-D, Chandigarh
0172-4601612-4601602

No. CEO-CHB/2021/PA/102

Dated: 15.05.2021

NOTE

The Chandigarh Administration, vide order no. EO-61871/F-4369/FII-(6)/2021/4640 dated 27.04.2021, has appointed the undersigned as Nodal Officer for managing medical oxygen supply in UT, Chandigarh.

2. Considering incidents of death in some of the hospitals in other parts of the Country either due to delay in supply of liquid oxygen or dip in the oxygen pressure, a meeting was convened today with the following:

- i. Dr. Manpreet Singh, Nodal Officer for Oxygen in GMCH-32 and Hospital at Sector-48, Chandigarh
- ii. Dr. Manjit Singh, Nodal Officer for Oxygen in GMSH-16, Chandigarh
- iii. Shri Pawan Kumar, SDE(PH), UT Administration

3. After discussion, the following was observed:

- i. In GMCH-32, apart from the oxygen generated by the recently installed PSA plant, the daily consumption of liquid oxygen is more than 10 MT per day. Presently, there are 130 'D' Type Cylinders and more Cylinders are being shifted from Sector-48 to make it about 200 'D' Cylinders. These Cylinders are for use in manifold system as a back-up plan. In case of delay in supply of liquid oxygen, the manifold along with PSA plant may be sufficient for about 08 hours. The manifold may also be used to support in case of any dip in the oxygen supply pressure below 3.09.
- ii. In Hospital at Sector-48, apart from the oxygen generated by the recently installed PSA plant, the daily consumption of liquid oxygen is about 03 MT per day. Presently there are 218 'D' Type Cylinders and these will be reduced to about 150 about shifting some of cylinders to GMCH-32. These Cylinders are for use in manifold system as a back-up plan. In case of delay in supply of liquid oxygen, the manifold along with PSA plant may be sufficient for about 24 hours. The manifold may also be used to support in case of any dip in the oxygen supply pressure below 3.09.
- iii. In GMSH-16, apart from the oxygen generated by the recently installed PSA plant, the daily consumption of liquid oxygen is about 03 MT per day. Presently there are 100 'D' Type Cylinders because about 60 cylinders have been shifted to recently opened Army Hospital. These Cylinders are for use in manifold system as a back-up plan. In case of delay in supply of liquid oxygen, the manifold along with PSA plant may be sufficient for about 08 hours. The manifold may also be used to support in case of any dip in the oxygen supply pressure below 3.09.

4. In view of the orders of Hon'ble Supreme Court, the Medical Oxygen Sub-group constituted under the National Task Force held a virtual orientation session today. The orientation session was hosted by the MoHFW, Govt of India. During the

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orientation session, the Secretary (Health) Goa explained about the recent incident of some deaths in a hospital due to dip in oxygen pressure. According to him following could have contributed to the incident:

- Archaic system of manifold/trolley of cylinders was existing. Changeover in the manifold/trolley many times fluctuate the pressure of oxygen.
- Continuous increase in beds in the hospital without proportionate enhancement in oxygen supply system. This resulted higher demand for oxygen while the supply remains the same.

5. After detailed deliberations, the following was decided:

- i. While increasing beds in the hospital especially in ICU, the aspect of oxygen supply and maintenance of its pressure need to be carefully taken into account.
- ii. There should be proper system of de-icing the vaporizer. Permanent arrangement like sprinklers/showers etc should be put in place immediately.
- iii. By-pass for vaporizers to be provided so that these can be used alternatively to avoid any incident due to possible chocking.
- iv. Staff deployed on the duty of oxygen supply related aspects should be immediately provided gasman kits.
- v. All the oxygen points to be got checked from some technician to ensure there is no leakage and are properly closed after use.

6. Shri Jagjit Singh, PCS along with Dr. Manpreet Singh, Dr. Manjit Singh and Shri Pawan Kumar SDE(PH) are to visit the three Government Hospitals (GMCH-32, Sector-48 and GMSH-16) in next few days. Their purpose of visit is to educate and sensitize the staff there for optimum utilization and to avoid wastage of oxygen. They may also visit and inspect the oxygen plants, tanks, manifolds and other related installations for oxygen supply.


(Yashpal Garg, IAS)

CEO, Chandigarh Housing Board

**Nodal Officer for Oxygen Supplies in UT
Chandigarh**

Copy to:

1. Special Secretary (Health), Chandigarh Administration
2. Chief Engineer, Chandigarh Administration
3. Director Principal, GMCH-32, Chandigarh Administration
4. Director, Health Services, Chandigarh Administration
5. Sh. Jagjit Singh, PCS, Director-cum-GM, DIC, Chandigarh Administration, Chandigarh.
6. Shri Sorabh Kumar Arora, PCS, Joint Commissioner, Chandigarh Administration
7. Dr. Manjit Singh, GMSH-16, Chandigarh
8. Dr. Manpreet Singh, GMCH-32, Chandigarh
9. Shri Pawan Kumar, SDE(PH), GMCH-32, Chandigarh Administration

Copy for kind information:

1. Pr. Secretary (Health), Chandigarh Administration
2. PS to Adviser to Administrator for kind information of worthy Adviser