

**GOVERNMENT OF ANDHRA PRADESH  
HEALTH, MEDICAL & FAMILY WELFARE DEPARTMENT**

**Order No.121/COVID-19/HMFW/2021**

**Dated 12.05.2021**

**COVID INSTANT ORDER - 121**

Sub: COVID-19 - Second Wave –Medical Oxygen - Launch of Oxygen Management System portal – “Pranavayuvu” to track the Production, Stocks, Consumption, Demand and Supply of Medical Oxygen in real time - Orders issued.

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In continuation to the COVID Instant Order-119, it is to inform that amid a severe shortage of medical oxygen in the state, the Government of Andhra Pradesh has developed Oxygen Management System (OMS) Portal called “**Pranavayuvu**” for real time tracking of production stocks, consumption and supply of oxygen.

2) The objective of this OMS portal is to ensure every drop of medical oxygen reaches to hospital in a fair and transparent manner to avoid unlawful and unauthorized hoarding of oxygen. This portal is a 4-layer portal that captures complete data of medical oxygen manufacturers, transporters, re-fillers and hospitals (Government & Private). The portal integrates the GPS Tracking Module that provides a complete picture of oxygen demand, supply and distribution across the State on real-time.

3) The portal also enables the hospitals to raise additional oxygen requirement requests for the next 3 days and the allocation powers are entrusted to the respective district administration. This feature helps the State to anticipate the future demand and manage the supplies accordingly.

4) To ensure the unrestricted and uninterrupted supply of Medical Oxygen to the consuming points, a State Oxygen War Room (SOWR) and District Oxygen War Rooms (DOWR) are constituted through Covid Instant Order No.119, Dated 08-05-2021. The District collectors are hereby directed to nominate a Nodal Officers at all the COVID hospitals and re-filler units in their district.

5) Operational procedures required to be followed at various levels are described under;

**1. Medical Oxygen demand capturing & allocation by State Nodal Officer level:**

- The demand of medical oxygen will be captured at hospital level and Nodal officer at hospital level uploads, on daily basis, the medical oxygen requirement for his hospital for the next 3 days. This demand reflects in the logins of District Nodal Officers and also State Nodal Officer.
- Basing on the demand data, the State Nodal Officer allocates LMO to districts and issues orders on daily basis to the LMO mfg. plants for supply to the districts.
- The State Nodal Officer shall ensure that the LMO supplied by the manufacturers be sent to the Joint Collectors based on the captured district-wise demand.
- The State Nodal Officer shall check the reports of the district-wise demand and supply on daily basis.

**2. Medical Oxygen management at Manufacturer Level:**

- The LMO manufacturer shall despatch the LMO quantities to the districts, strictly as per the allotment orders received from State Nodal Officer and furnish the details of despatches to the Plant Level Nodal Officer nominated by Industries Dept.
- The Plant Level Nodal officers at the LMO manufacturing facilities shall enter the details of despatches like LMO Vehicles, LMO Quantities, Destination points etc through the logins provided to them.
- Only the Nodal Officer nominated by industries Dept. Visits LMO Mfg plants on a daily basis to obtain & update the data on the portal, without hampering the LMO production operations.
- The LMO manufacturer can supply LMO either to Hospitals directly or supply to re-fillers as per the order received from State Nodal Officer.



### **3. Oxygen management at District level:**

- The Joint collectors at the district shall accept the allocation made by the State Nodal Officer and ensure to allot the received LMO to the hospitals and re-fillers in their respective districts, based on the demand projections at the hospitals.
- The Joint collectors shall also ensure that the medical oxygen is properly managed at the re-fillers and reach the hospitals in a fair and transparent manner by avoiding unlawful and unauthorized hoarding of oxygen.
- The Joint collectors shall also check, on daily basis, the reports of the demand & supplies at the hospitals in both Private and Government sectors in their districts.

### **4. Oxygen management at Re-filler level:**

- The Medical Oxygen re-fillers should receive the LMO stocks either from the manufacturers allocated by State Nodal Officer or from the allocation made by the Joint Collectors of their respective districts.
- The re-fillers should furnish the details of Oxygen gas production, Stocks of LMO and Oxygen cylinders in their possession, despatches made on daily basis, to the Plant Level Nodal Officer.
- The Plant Level Nodal officers at re-filler facilities shall enter the details of despatches like LMO Vehicles, Cylinder Quantities, Destination points etc through the logins provided to them.
- The Medical Oxygen re-filler shall make sure that their refilling plant runs at maximum operating capacity.

### **5. Oxygen management at Hospital level:**

- The hospitals should receive the LMO stocks sent by the manufacturers as per the allocation made by State Nodal Officer or/and medical oxygen cylinders received from re-fillers as allocated by the Joint Collectors of the districts and shall ensure optimum usage of Oxygen avoiding wastage.
- The Nodal Officer at hospital level should update the stock of LMO and oxygen cylinders in their possession, Storage capacity of LMO at their hospitals on the OMS portal through the logins provided to them.

- The Nodal Officer at hospital level shall also update the details of daily consumption of oxygen and raise indents of medical oxygen for next three days on the portal.

6) All the LMO manufacturers, Re-fillers, State Nodal Officer, Joint Collectors, Nodal Officers at various levels instructed to follow the instructions scrupulously and ensure smooth functioning of Oxygen Management System for seamless flow of information in real time, which enables transparency in oxygen production & supply chain in the state.



Principal Secretary to Government

To,

1. The State Level Nodal Officer for Medical Oxygen management
2. All Joint Collectors/District Level Nodal Officers for Medical Oxygen management
3. All Plant Level Nodal Officers for Oxygen management
4. All the Hospital Level Nodal Officers for Oxygen management
5. All Liquid Oxygen Manufacturing plants & Oxygen Re-filler plants in the state

Copy to:

1. The Commissioner, Health & Family Welfare Dept. for information
2. All the District Collectors in the state for information.