



Ministry of Railways

Railways getting fully ready to Transport Liquid Medical Oxygen (LMO) and Oxygen Cylinders

Railways geared up to run OXYGEN Express

Green Corridor being created to fast movement of Oxygen Express Trains

After completion of technical trials, empty tankers would be moved from Kalamboli/Boisar, Railway stations in and near Mumbai, and sent to Vizag and Jamshedpur/Rourkela/Bokaro, for loading of liquid medical oxygen tankers

Posted On: 18 APR 2021 4:53PM by PIB Delhi

Railways is getting fully ready to transport Liquid Medical Oxygen (LMO) and Oxygen Cylinders across the key Corridors.

Availability of oxygen is a key element in the treatment of certain medical conditions in the Covid infection.

It may be noted that Madhya Pradesh and Maharashtra state governments had approached Ministry of Railways to explore whether Liquid Medical Oxygen (LMO) tankers could be moved by Railways.

Railways immediately explored the technical feasibility of transportation of LMO. LMO has to be transported through Roll On Roll Off (RO RO) service with road tankers placed on flat wagons.

Due to restrictions of height of Road Over Bridges (ROBs) and Over Head Equipment (OHE) at certain locations, out of the various specifications of road tankers, the model of road tanker T 1618 with height of 3320 mm was found feasible to be placed on flat wagons (DBKM) with height of 1290 mm.

In order to ensure that parameters of Transportation are tested, trials were conducted at various locations.

This DBKM wagon was placed at Kalamboli goods shed in Mumbai on 15.04.2021 and a T 1618 tanker loaded with LMO was also brought here. Joint measurements were taken by representatives of Industry and Railways.



Based on these measurements, route clearances were taken and it was found that it would be possible to undertake movements as RO RO as ODC (over dimensional consignment) with speed restrictions on some sections depending on overhead clearances.

In order to enable commercial booking and freight payment for RO RO movement of LMO in cryogenic tankers, Ministry of Railways has brought out a circular on 16.04.2021 providing all the necessary details and guidance on the matter. Copy of the circular is enclosed.

On 17.04.2021 April, a meeting was held between Railway Board officials andwith State Transport Commissioners and representatives of industry on the subject of “Issues related to transportation of Liquid Medical Oxygen.

It was decided that the tankers would be organized by Transport Commissioner, Maharashtra. These empty tankers would be moved from Kalamboli/Boisar, Railway stations in and near Mumbai, and sent to Vizag and Jamshedpur/Rourkela/Bokaro, for loading of liquid medical oxygen tankers from there .

In pursuance of the above decision, instructions have been issued to Zonal Railways to ensure readiness to receive the trailers and load them back. Ramps have to be built at Vizag, Angul and Bhilai and the existing ramp at Kalamboli is to be strengthened. The Kalamboli ramp would be made ready by 19.04.2021. Ramps at other locations would also be ready in a couple of days by the time the tankers reach those locations.

On 18.04.2021 a trial was organised at Boisar (Western Railway) where a loaded tanker was placed on a flat DBKM and all the required measurements were taken.

Railways have already placed DBKM wagons at Kalamboli and at other locations in expectation of movement of tankers to various locations. Railways are awaiting advice from Maharashtra to move the tankers.

Tentatively a movement plan has been made for dispatching 10 empty tankers on 19.04.2021.

Transport Secretary Maharashtra has assured to provide the tankers by 19.04.2021.

Zonal Railways have been informed regarding the demands from State Governments. CFTMs and PCOMs are in touch with the Industry and State Governments. Railway Board has directed concerned GMs to be fully prepared and proactively assist the State and Central Government Agencies in movement of Oxygen by Rail and has also nominated ED/TT/F as Nodal Officer in Railway Board.

DJN/MKV

(Release ID: 1712553) Visitor Counter : 139

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