

GOVERNMENT OF INDIA
MINISTRY OF STEEL
LOK SABHA
UNSTARRED QUESTION NO.1811
FOR ANSWER ON 27/07/2022

PRODUCTION OF LIQUID MEDICAL OXYGEN

1811. SHRI PATEL HASMUKHBHAI SOMABHAI:

Will the Minister of STEEL be pleased to state:

- (a) the details of total capacity of public sector and private sector steel companies in production of oxygen especially Liquid Medical Oxygen (LMO) in country during the last three years;
- (b) the measures taken to increase production of LMO in the country in general as well as specifically by public sector and also technical and other policy interventions brought to ease growing demand of LMO; and
- (c) the details of total increase in capacity production of oxygen by Oxygen Generator Plants in Hospitals in country during the Covid-19 pandemic years?

ANSWER

THE MINISTER OF STATE IN THE
MINISTRY OF STEEL

(SHRI FAGGAN SINGH KULASTE)

- (a) The details of Liquid Medical Oxygen (LMO) production capacity of Public and Private sector steel companies are given at **Annexure-I**.
- (b) The measures taken to increase production of LMO in the country during the Covid Pandemic include the following: -
 - i. Increase production of LMO by reducing production of liquid Nitrogen and Argon by steel companies.
 - ii. Reduced safety stock from 3.5 days to 0.5 days resulting in additional approx. 25000 Metric Ton (MT) of LMO in storage tanks. Dispensing of LMO on a 24x7 basis resulting in increased supply to approx. 4500 MT/day.
 - iii. Issue of licenses for industrial gas manufacturers to manufacture medical oxygen.
 - iv. Sanction of new Pressure Swing Absorption (PSA) plants by both, Central and State Governments.
 - v. A total of 402517 Medical Oxygen Cylinders and 143397 Oxygen Concentrators were procured and provided by Central Government .
 - vi. Amendment of regulation by National Medical Commission making it mandatory for all Medical Colleges to establish PSA plants.

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(c) Pressure Swing Adsorption (PSA) plants established for enabling self-sufficiency in generation of oxygen for hospitals' needs and thereby reduce the burden on the medical oxygen supply grid across the country. A total of 4115 PSA plants have been commissioned in the country. Government of India supported States / Union Territories (UTs) by setting up and operationalizing 1225 PSA Plants under PM-CARES.

The details of PSA plants commissioned across the country are as follows: -

Source	No. of Commissioned PSA Plants	Oxygen Capacity (in MT)
PMCARES	1225	1929
Central Government PSUs	278	335
Foreign Aid	49	26
State/CSR Initiatives	2563	2465
Total	4115	4755

[Source: Ministry of Health and Family Welfare]

Annexure-I

**LMO Production Capacity of Public and Private Sector Steel Companies
(as on December '21)**

Steel Plants	LMO Production Capacity (in Metric Ton)
Steel Authority of India Limited (SAIL)	1136
Rashtriya Ispat Nigam Limited (RINL)	130
TATA Jamshedpur Linde	453
Tata Jamshedpur Airwater	150
Tata Kalinganagar	219
Tata BSL	244
JSL Hisar	9.5
JSL Jajpur	52
AMNS Hazira (INOX)	230
AMNS Hazira ASU	10
JSW Bellary, Belloxy	106
JSW Bellary, Linde	537
JSW Bellary, Airwater	100
JSW Bellary, IGPL	130
JSW, Dolvi	304
JSW, Salem	17
JSPL, Angul	100
Vedanta ESL, Bokaro	20
JSW BPSL, Jharsuguda	25
Kalyani Steel, Hospet	130
Total	4102