

**GOVERNMENT OF INDIA
MINISTRY OF HEALTH AND FAMILY WELFARE
DEPARTMENT OF HEALTH AND FAMILY WELFARE**

**LOK SABHA
UNSTARRED QUESTION NO. 911
TO BE ANSWERED ON 23RD JULY, 2021**

AVAILABILITY OF MEDICAL OXYGEN

**911. SHRI KUMBAKUDI SUDHAKARAN:
SHRI UTTAM KUMAR REDDY NALAMADA:
SHRI Y.S. AVINASH REDDY:
SHRI KRIPANATH MALLAH:
SHRI D.K.SURESH:
SHRI VIJAYAKUMAR (ALIAS) VIJAY VASANTH:
SHRI KANUMURU RAGHU RAMA KRISHNA RAJU:
SHRI KODIKUNNIL SURESH:**

Will the Minister of **HEALTH AND FAMILY WELFARE** be pleased to state:

- (a) whether the Government has taken note of the shortage of medical oxygen in the country during the second wave of COVID-19 proliferation;
- (b) if so, the number of medical grade oxygen producing plants functional in the country indicating their production capacity, State/UT-wise;
- (c) the number of such plants set up since March 2020 in the country, State/UT-wise along with the funds allocated and utilised for the same;
- (d) the number of oxygen tankers available in the country along with number of such tankers added since March 2020 till date, State/UT-wise;
- (e) whether production of medical grade oxygen is sufficient to meet the estimated demand for the third wave of the pandemic and if so, the details thereof;
- (f) the number of hospitals that have their own Oxygen plants and the steps taken to equip other hospitals with oxygen plants, State/UT-wise; and
- (g) additional funds or grants allocated for modernization of Government hospitals including enhancing of super specialty medical facilities?

**ANSWER
THE MINISTER OF STATE IN THE MINISTRY OF HEALTH AND
FAMILY WELFARE
(DR. BHARATI PRAVIN PAWAR)**

(a) & (e): The supply of medical oxygen to hospitals is determined by contractual arrangements between the concerned hospital and the medical oxygen supplier. However, due to unprecedented surge in demand of medical oxygen across the country during the second wave of COVID-19 – the demand in the country peaked to nearly 9000 MT as compared to the peak

requirement of 3095 MT during the first wave. It was in this context that the Central Government stepped in and took all possible measures to increase production and to facilitate equitable distribution to the States. The daily liquid medical oxygen (LMO) production, which was about 5700 MTs per day in August 2020 was increased to a high of 9690 MTs as on 13 May 2021. On 28th May, 2021 the Central Government was able to allocate 10,250 MTs to the States. As an urgent measure, a total quantity of 1385 MT of LMO in several consignments was imported into the country from UAE, Bahrain, Kuwait, Qatar, Singapore, etc. and was made available to the States/UTs. Oxygen Express Services of Indian Railways delivered 35,500 MT of LMO as on June, 30th, 2021. Indian Air Force conducted 1630 domestic sorties and 229 international sorties to airlift tankers.

(b), (c) & (f) - A total of 1222 Pressure Swing Adsorption (PSA) oxygen generation plants with capacity of 1771.76 MT have been sanctioned. The State/UT- wise list is placed at Annexure. Out of these, as on 20th July, 2021, 245 plants have been commissioned. Apart from this, 351 PSA plants are being installed by different Ministries in different public health facilities. The National Medical Commission has amended the Regulations to make a PSA plant compulsory for every Medical College. The States have also been asked to install oxygen generation plants in all requisite public health facilities and also facilitate their installation in private health facilities. As per the data uploaded by the States on the concerned portal, States are setting up 1023 PSA plants from their own funds.

(d) - As on 15.7.2021, 1244 Liquid Medical Oxygen Tankers are available in the country. Out of which, 225 Liquid Medical Oxygen Tankers added after March 2020.

(g) - During 2019-20, Rs. 1113.21 crore was released to the States/UTs under the National Health Mission towards management and containment of COVID-19 pandemic. In addition, COVID-19 Emergency Response and Health System Preparedness package of Rs. 15,000 crore was approved in April, 2020. Under this package, so far Rs. 13,719.22 crore have been spent. Rs. 8147.29 crore have been released to the States/UTs and supply of essential materials (in kind) to the tune of Rs. 3389.7 crore such as PPEs, N95 masks, ventilators, etc has been made to the States/UTs. An additional package – India COVID-19 Emergency Response & Health System Preparedness Package: Phase II for Rs. 23,123 crore has been approved by Government of India in July, 2021 to strengthen district and sub-district capacity for an effective and rapid response to the pandemic.

PSA Plants Status

SI. No.	State/ UT	Allocation	Commissioned
1.	A&N Island	3	0
2.	Andhra Pradesh	28	7
3.	Arunachal Pradesh	27	1
4.	Assam	40	10
5.	Bihar	62	5
6.	Chandigarh	4	5
7.	Chhattisgarh	49	4
8.	D&D D&D	4	2
9.	Delhi	26	14
10.	Goa	7	4
11.	Gujarat	59	16
12.	Haryana	40	8
13.	Himachal Pradesh	28	6
14.	J&K	32	6
15.	Jharkhand	38	6
16.	Karnataka	50	9
17.	Kerala	26	7
18.	Ladakh	5	3
19.	Lakshadweep	2	0
20.	Madhya Pradesh	88	12
21.	Maharashtra	68	16
22.	Manipur	16	4
23.	Meghalaya	14	3
24.	Mizoram	13	0
25.	Nagaland	15	4
26.	Odisha	39	8
27.	Puducherry	8	6
28.	Punjab	41	8
29.	Rajasthan	51	6
30.	Sikkim	4	2
31.	Tamil Nadu	70	7
32.	Telangana	50	9
33.	Tripura	14	2
34.	Uttar Pradesh	127	25
35.	Uttarakhand	25	12
36.	West Bengal	49	8
Total		1222	245