

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

**LOK SABHA  
UNSTARRED QUESTION NO.3185  
TO BE ANSWERED ON 6<sup>TH</sup> DECEMBER, 2019**

**STORAGE OF VACCINES**

**3185. SHRI ACHYUTANANDA SAMANTA:**

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

- (a) whether the Government has extended financial and technical support to the States/UTs for proper storage of vaccines in the rural areas, particularly those with inadequate supply of electricity;
- (b) if so, the details thereof during each of the last three years and the current year, State/UT-wise; and
- (c) whether the Government proposes to encourage use of solar powered refrigerators and vaccine coolers to store vaccines in the country particularly in Odisha, if so, the details thereof?

**ANSWER  
THE MINISTER OF STATE IN THE MINISTRY OF HEALTH AND  
FAMILY WELFARE  
(SHRI ASHWINI KUMAR CHOUBEY)**

(a) & (b): Yes, Government has extended financial and technical support to the States/UTs for proper storage of vaccines in the country including rural areas.

Under the programme States/UTs are provided with Ice lined Refrigerators (ILRs), Deep Freezers (DFs), Walk-in-coolers (WIC), Walk-in Freezers (WIF), Solar refrigerators, cold boxes, vaccine carriers and Ice packs for proper storage and distribution of vaccines. The State/UT wise details of cold chain equipments provided in the last three years and current year are given in Annexure 1. The Ice lined Refrigerators (ILRs) storing vaccines are able to maintain the vaccine storage temperature for 24 hrs. with as little as 8 hours of intermittent power supplies. In addition, the States/UTs are also provided financial support for cold chain maintenance. The State/UTs wise details of funds provided in the last three years and current year are given in Annexure 2.

(c): Government has already provided 388 solar refrigerators to 16 States/UTs since 2010-11 to store vaccines in the country of which 26 solar refrigerators are supplied to Odisha.

## States/UTs wise details of cold chain equipments provided in last three years and current years

S.No.	State/ UT	Supplied in 2016-17				Supplied in 2017-18				Supplied in 2018-19		Supplied in 2019-20	
		ILR	DF	WIC	WIF	ILR	DF	WIC	WIF	ILR	DF	ILR	DF
1	A&N	5	5	0	0	7	5	0	0	0	0	0	0
2	Andhra Pradesh	60	120	0	1	1129	1045	1	1	0	0	0	0
3	Arunachal Pradesh	5	5	0	0	86	48	0	0	0	0	0	0
4	Assam	30	50	1	0	330	295	0	1	0	0	0	0
5	Bihar	110	100	2	0	599	143	3	2	0	15	0	0
6	Chandigarh	5	5	0	0	43	58	0	0	0	0	0	0
7	Chhattisgarh	50	50	1	0	162	219	0	0	30	30	0	0
8	Dadra & Nagar	10	10	0	0	10	10	0	0	0	0	0	0
9	Daman & Diu	10	10	0	0	11	10	0	0	0	0	0	0
10	Delhi	45	20	0	0	198	153	0	0	75	68	0	0
11	Goa	10	10	0	0	14	10	0	0	0	0	0	0
12	Gujarat	104	100	1	1	874	570	1	1	0	0	0	0
13	Haryana	60	45	1	0	295	114	5	1	0	68	0	26
14	Himachal Pradesh	50	20	0	0	247	248	0	0	0	0	0	0
15	Jammu & Kashmir	80	80	0	0	342	306	0	0	0	0	0	0
16	Jharkhand	65	45	1	1	333	209	0	0	0	0	0	0
17	Karnataka	85	60	0	0	1140	1093	1	1	0	0	50	0
18	Kerala	71	60	0	0	865	859	0	0	0	0	0	0
19	Lakshadweep	3	1	0	0	14	10	0	0	0	0	0	0
20	Madhya Pradesh	120	90	2	1	494	333	0	1	0	60	0	18
21	Maharashtra	140	80	2	0	941	855	0	0	0	0	95	40
22	Manipur	5	5	0	0	43	38	0	0	0	0	0	0
23	Meghalaya	5	4	0	0	43	38	0	0	21	4	0	0
24	Mizoram	5	5	1	0	43	38	0	0	0	0	0	0
25	Nagaland	5	2	0	0	62	65	0	0	0	0	0	0
26	Odisha	110	70	1	1	504	447	0	0	0	20	0	0
27	Puducherry	5	5	0	0	21	23	0	0	0	0	0	0
28	Punjab	40	20	0	0	352	380	0	1	0	0	0	0
29	Rajasthan	80	35	0	0	551	285	0	0	0	0	101	0
30	Sikkim	2	2	0	0	52	48	0	0	0	0	0	0
31	Tamil Nadu	85	70	1	0	893	803	1	1	0	0	0	0
32	Telangana	85	50	0	0	513	475	1	1	0	0	0	0
33	Tripura	5	5	0	0	71	57	0	0	0	0	0	0
34	Uttar Pradesh	130	80	2	0	1140	570	1	2	0	0	0	0
35	Uttarakhand	40	50	0	1	282	260	0	0	0	0	0	0
36	West Bengal	130	100	0	0	546	447	0	2	0	0	27	38
	Total	1850	1469	16	6	13250	10567	14	14	126	265	273	122

State/UTs wise details of cold chain maintenance funds provided in last three years and current year

(Rs. in Lakhs)

S.N.	States	2016-17	2017-18	2018-19	2019-20
1	Andhra Pradesh	13.80	14.50	12.82	15.95
2	Andaman & Nicobar Islands	0.65	0.65	1.00	0.92
3	Arunachal Pradesh	4.68	4.68	6.08	8.87
4	Assam	10.17	101.37	11.12	17.52
5	Bihar	12.96	12.96	35.86	19.30
6	Chandigarh	1.60	1.60	1.60	2.00
7	Chhattisgarh	22.20	22.20	14.60	14.27
8	Dadra & Nagar Haveli	0.15	0.00	0.50	0.50
9	Daman & Diu	0.45	0.45	0.00	0.00
10	Delhi	6.15	6.15	8.94	8.94
11	Goa	0.57	0.59	0.60	0.60
12	Gujarat	23.39	19.61	19.34	26.55
13	Haryana	8.33	9.00	8.66	14.03
14	Himachal Pradesh	8.12	8.12	2.04	7.34
15	Jammu & Kashmir	8.68	8.68	12.00	12.71
16	Jharkhand	5.06	5.06	8.24	8.92
17	Karnataka	24.45	25.72	23.90	25.28
18	Kerala	10.22	8.40	8.40	11.50
19	Lakshadweep	0.22	0.23	0.30	0.30
20	Madhya Pradesh	19.69	19.69	20.56	29.75
21	Maharashtra	31.78	37.93	44.26	47.50
22	Manipur	2.11	2.11	2.11	5.00
23	Meghalaya	3.03	3.03	3.61	4.54
24	Mizoram	1.70	1.70	1.70	0.50
25	Nagaland	2.75	2.75	2.84	4.12
26	Orissa	16.52	16.52	28.14	28.14
27	Puducherry	0.80	0.80	1.00	1.00
28	Punjab	20.89	20.89	20.89	20.89
29	Rajasthan	26.92	21.72	20.40	34.05
30	Sikkim	0	1.00	1.00	1.65
31	Tamil Nadu	17.93	20.27	20.42	25.51
32	Telangana	7.74	7.99	7.99	9.02
33	Tripura	2.27	2.45	3.39	3.30
34	Uttar Pradesh	19.94	19.42	28.36	37.25
35	Uttarakhand	4.27	5.17	8.13	8.13
36	West Bengal	272.10	272.10	*	*
Grand total		612.29	705.51	390.80	455.85

\* Budget for Cold Chain Maintenance is provisioned under Bio-Medical Equipment Maintenance Programme (BMMP). For BMMP, it was Rs. 2863.81 Lakh for the year 2018-19 and Rs.2510.52 Lakh for the year 2018-19.