

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

**LOK SABHA  
UNSTARRED QUESTION NO. 5037  
TO BE ANSWERED ON 01<sup>st</sup> APRIL 2022**

**STORAGE FACILITIES FOR VACCINES IN RURAL AREAS**

**5037. SHRI MANSUKHBHAI DHANJIBHAI VASAVA**

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

- (a) whether the Government has provided financial and technical support to the States/UTs for proper storage of vaccines in rural areas of the country particularly in areas having inadequate supply of electricity;
- (b) if so, the details of such support provided during the last three years, State/UT-wise;
- (c) whether the Government proposes to promote the use of solar power driven vaccine refrigerators and coolers for the storage of vaccines in rural areas; and
- (d) if so, the details thereof?

**ANSWER**

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

(a) & (b) Government has provided financial and technical assistance to the States and UTs for proper storage of vaccines in the country including rural areas having inadequate power supply.

Under the Universal Immunization Programme (UIP), states/UTs are provided with Ice lined Refrigerators (ILRs), Deep Freezers (DFs), Walk-in-coolers (WIC), Walk-in Freezers (WIF), Solar refrigerators, cold box, vaccine carrier and Ice packs for proper storage and distribution of vaccines. The State/UT wise details of cold chain equipment provided in the last three years are given in Annexure 1a and 1b. The Ice lined Refrigerators (ILRs) used for storing vaccines are able to maintain the vaccine storage temperature for 24 hrs. with as little as 8 hrs. of intermittent power supplies. Refrigerator Mechanic/ Technicians are provided to State/UTs for maintenance and functioning of these cold chain equipment and they are also provided in-service training for repair & maintenance of these equipment. In addition, the States/UTs are also provided financial support for cold chain maintenance. The State/UT wise details of fund provided are given in Annexure 2.

(c) and (d) Government is promoting the use of solar power driven vaccine refrigerator & freezer. Government has already provided 546 solar power driven vaccine refrigerator & freezer for the storage of vaccines to 23 States/UTs across the country.

**States/UTs wise details of cold chain equipment supplied during last three years.**

S. No.	State/ UT	Supplied in 2019-20		Supplied in 2020 – 21				Supplied in 2021 – 22 (As on 16 <sup>th</sup> March 2022)			
		ILR	DF	ILR	DF	WIC	WIF	ILR	DF	WIC	WIF
1	Andaman & Nicobar Islands	0	0	13	5	0	0	3	4	0	0
2	Andhra Pradesh	0	0	568	71	0	0	158	547	4	1
3	Arunachal Pradesh	0	50	71	25	0	0	49	70	0	0
4	Assam	0	0	389	138	0	0	70	268	1	1
5	Bihar	0	0	752	306	1	1	184	606	8	3
6	Chandigarh	0	0	19	10	0	1	20	28	0	0
7	Chhattisgarh	0	0	226	68	0	0	45	174	2	1
8	Dadra & Nagar	0	0	53	12	0	0	2	12	0	0
9	Daman & Diu	0	0	10	2	0	0	1	3	0	0
10	Delhi	0	0	263	86	0	1	27	203	1	0
11	Goa	5	10	10	2	0	0	17	2	0	0
12	Gujarat	0	0	308	30	0	0	50	111	2	1
13	Haryana	5	31	147	94	0	1	80	195	0	0
14	Himachal Pradesh	0	0	111	70	3	2	9	3	0	0
15	Jammu & Kashmir	0	0	214	108	1	1	186	203	0	1
16	Jharkhand	0	0	130	27	0	0	28	54	4	2
17	Karnataka	50	0	930	125	0	0	158	1122	2	2
18	Kerala	0	0	232	27	0	0	70	204	6	3
19	Ladakh	0	0	29	10	0	0	52	43	0	0
20	Lakshadweep	0	0	16	12	0	0	0	1	0	0
21	Madhya Pradesh	0	18	436	131	0	0	14	202	3	5
22	Maharashtra	95	40	687	146	0	0	299	561	9	2
23	Manipur	0	0	40	12	0	0	0	18	0	0
24	Meghalaya	0	0	140	10	0	0	0	40	0	0
25	Mizoram	0	0	41	42	0	0	35	35	0	0
26	Nagaland	0	0	54	16	0	0	20	37	0	0
27	Odisha	0	0	380	41	0	0	10	147	6	2
28	Puducherry	0	0	23	4	0	0	46	21	0	0
29	Punjab	0	0	193	136	0	0	154	87	1	0
30	Rajasthan	101	0	616	180	0	0	42	256	6	2
31	Sikkim	0	0	15	21	0	0	30	16	0	0
32	Tamil Nadu	0	0	764	210	3	2	78	396	0	1
33	Telangana	0	0	498	163	0	0	13	1010	3	2
34	Tripura	0	0	143	16	0	0	10	25	0	0
35	Uttar Pradesh	0	0	938	1040	0	0	689	905	8	3
36	Uttarakhand	0	0	352	133	1	0	290	320	2	2
37	West Bengal	27	38	534	57	0	0	214	371	7	1

**ILR-Ice Lined Refrigerators, DF-Deep Freezers, WIC-Walk-in-Coolers, WIF-Walk-in-Freezers.****WIC-Walk in Coolers, WIF-Walk in freezer are provided based on demand from States/UTs.**

**States/UTs wise details of available cold chain equipment as on 16-03-2022.**

Sr. No.	State	DFs	ILRs	WIC	WIF	SDD
1	Andaman & Nicobar Islands	65	69	1	0	7
2	Andhra Pradesh	2700	3016	7	1	0
3	Arunachal Pradesh	322	372	2	0	80
4	Assam	1394	1581	6	2	62
5	Bihar	1812	2507	28	8	5
6	Chandigarh	94	107	1	1	0
7	Chhattisgarh	1171	1114	7	3	46
8	Dadara & Nagar Haveli	54	83	0	0	0
9	Daman & Diu	20	37	0	0	0
10	Delhi	752	1086	2	1	0
11	Goa	64	103	1	0	0
12	Gujarat	2503	2880	12	3	0
13	Haryana	1123	1235	7	3	0
14	Himachal Pradesh	651	685	8	3	5
15	Jammu and kashmir	1087	1353	5	3	16
16	Jharkhand	759	824	9	5	5
17	Karnataka	4547	4671	11	6	6
18	Kerala	2044	2389	12	4	2
19	Ladakh	90	130	0	0	5
20	Lakshadweep	28	42	0	0	0
21	Madhya Pradesh	2171	2300	15	10	24
22	Maharashtra	4746	5164	24	6	18
23	Manipur	130	145	2	0	30
24	Meghalaya	264	328	3	0	19
25	Mizoram	192	196	1	0	13
26	Nagaland	172	188	1	0	26
27	Odisha	1865	2125	18	4	44
28	Puducherry	100	146	0	0	0
29	Punjab	1258	1471	6	2	0
30	Rajasthan	3585	3774	21	6	46
31	Sikkim	121	137	0	0	10
32	Tamil Nadu	3249	3577	21	6	0
33	Telangana	2306	1699	7	3	0
34	Tripura	251	332	2	1	41
35	Uttar Pradesh	5860	5038	32	11	17
36	Uttarakhand	1058	1335	8	3	19
37	West Bengal	2314	3244	25	5	0

ILR-Ice Lined Refrigerators, DF-Deep Freezers, WIC-Walk-in-Coolers, WIF-Walk-in-Freezers, SDD- Solar Direct Drive.

**State/UT wise details of Cold Chain maintenance funds allocated during last three years (in lakh)**

S.N.	States	2019-20	2020-2021	2021-22
1	Andhra Pradesh	15.95	20.2	21.93
2	Andaman & Nicobar Islands	0.92	1.00	1.00
3	Arunachal Pradesh	8.87	7.57	6.75
4	Assam	17.52	17.52	17.52
5	Bihar	19.3	19.3	52.85
6	Chandigarh	2.00	1.24	1.24
7	Chhattisgarh	14.27	13.6	14.4
8	Dadra & Nagar Haveli	0.5	0.00	0.00
9	Daman & Diu	0.00	0.00	0.00
10	Delhi	8.94	7.5	8.3
11	Goa	0.6	0.6	0.6
12	Gujarat	26.55	35.07	37.33
13	Haryana	14.03	18.46	14.33
14	Himachal Pradesh	7.34	0.00	0.00
15	Jammu & Kashmir	12.71	15.07	11.5
16	Ladakh	-	1.31	1.31
17	Jharkhand	8.92	8.03	10.03
18	Karnataka	25.28	25.28	38.39
19	Kerala	11.5	11.11	14.97
20	Lakshadweep	0.3	0.3	0.3
21	Madhya Pradesh	29.75	31.74	31.75
22	Maharashtra	47.5	46.9	35.08
23	Manipur	5.00	5.5	5.5
24	Meghalaya	4.54	4.54	4.49
25	Mizoram	0.5	3.05	3.07
26	Nagaland	4.12	4.1	4.1
27	Odisha	28.14	28.14	93.97
28	Puducherry	1.00	1.00	1.00
29	Punjab	20.89	13.99	13.98
30	Rajasthan	34.05	35.18	35.89
31	Sikkim	1.65	2.00	1.66
32	Tamil Nadu	25.51	32.6	40.54
33	Telangana	9.02	10.00	10.00
34	Tripura	3.3	3.46	3.34
35	Uttar Pradesh	37.25	33.5	33.5
36	Uttarakhand	8.13	8.13	8.16
37	West Bengal	*	368.7	429.71

\* Budget for Cold Chain Maintenance is provisioned under Bio-Medical Equipment Maintenance Programme (BMMP). For BMMP, it was Rs.2510.52 Lakh for the year 2019-20.