

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

**LOK SABHA
UNSTARRED QUESTION NO. 3363
TO BE ANSWERED ON 17TH DECEMBER, 2021**

STORAGE OF VACCINES IN RURAL AREAS

**3363. SHRI TAPIR GAO:
SHRI ANIL FIROJIYA:**

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

- (a) whether the Government has provided financial and technical assistance to the State/UTs for proper storage of vaccines in rural areas especially in view of the insufficient supply of power;
- (b) if so, the details thereof and the assistance provided during the last three years and the current years, State/UT-wise;
- (c) whether the Government proposes to encourage the use of solar power operated refrigerators and vaccine 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 and current year are given in Annexure 1a and 1b. The Ice lined Refrigerators (ILRs) 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) & (d) Government has already provided 441 solar power operated refrigerators and vaccine coolers for the storage of vaccines to 22 States/UTs across the country. The details are as follows:

Andaman & Nicobar Islands-7, Arunachal Pradesh-80, Assam-62, Bihar-5, Chhatisgarh-21, Himachal Pradesh-5, Jammu and Kashmir-16, Ladakh-5, Jharkhand-6, Karnataka-2, Madhya Pradesh-24, Maharashtra-18, Manipur-30, Meghalaya-19, Mizoram-13, Nagaland-26, Odisha-26, Rajasthan-19, Sikkim-10, Tripura-11, Uttar Pradesh-17 and Uttarakhand-19.

Annexure-1a

States/UTs wise details of cold chain equipment supplied during last three years and current year

S. No.	State/ UT	Supplied in 2018-19		Supplied in 2019-20		Supplied in 2020 – 21				Supplied in 2021 – 22 (as on 12 th December 2021)				
		ILR	DF	ILR	DF	ILR	DF	WIC	WIF	ILR	DF	WIC	WIF	SDD
1	Andaman & Nicobar Islands	0	0	0	0	13	5	0	0	3	4	0	0	0
2	Andhra Pradesh	0	0	0	0	568	71	0	0	158	547	4	1	0
3	Arunachal Pradesh	0	0	0	50	71	25	0	0	49	70	0	0	4
4	Assam	0	0	0	0	389	138	0	0	70	268	1	1	4
5	Bihar	0	15	0	0	752	306	1	1	184	606	8	3	0
6	Chandigarh	0	0	0	0	19	10	0	1	20	28	0	0	0
7	Chhattisgarh	30	30	0	0	226	68	0	0	45	174	2	1	0
8	Dadra & Nagar	0	0	0	0	53	12	0	0	2	10	0	0	0
9	Daman & Diu	0	0	0	0	10	2	0	0	1	3	0	0	0
10	Delhi	75	68	0	0	263	86	0	1	17	203	1	0	0
11	Goa	0	0	5	10	10	2	0	0	17	2	0	0	0
12	Gujarat	0	0	0	0	308	30	0	0	50	111	2	1	0
13	Haryana	0	68	5	31	147	94	0	1	76	195	0	0	0
14	Himachal Pradesh	0	0	0	0	111	70	3	2	9	3	0	0	1
15	Jammu & Kashmir	0	0	0	0	214	108	1	1	186	203	0	1	5
16	Jharkhand	0	0	0	0	130	27	0	0	28	54	4	2	0
17	Karnataka	0	0	50	0	930	125	0	0	158	1072	2	2	0
18	Kerala	0	0	0	0	232	27	0	0	70	204	2	1	0
19	Ladakh	0	0	0	0	29	10	0	0	56	43	0	0	0
20	Lakshadweep	0	0	0	0	16	12	0	0	0	1	0	0	0
21	Madhya Pradesh	0	60	0	18	436	131	0	0	14	202	3	5	0
22	Maharashtra	0	0	95	40	687	146	0	0	299	561	9	2	0
23	Manipur	0	0	0	0	40	12	0	0	0	18	0	0	3
24	Meghalaya	21	4	0	0	140	10	0	0	0	40	0	0	3
25	Mizoram	0	0	0	0	41	42	0	0	35	35	0	0	3
26	Nagaland	0	0	0	0	54	16	0	0	20	37	0	0	3
27	Odisha	0	20	0	0	380	41	0	0	10	147	6	2	0
28	Puducherry	0	0	0	0	23	4	0	0	40	21	0	0	0
29	Punjab	0	0	0	0	193	136	0	0	154	87	1	0	0
30	Rajasthan	0	0	101	0	616	180	0	0	42	254	5	2	0
31	Sikkim	0	0	0	0	15	21	0	0	30	16	0	0	0
32	Tamil Nadu	0	0	0	0	764	210	3	2	78	396	0	1	0
33	Telangana	0	0	0	0	498	163	0	0	13	1010	3	2	0
34	Tripura	0	0	0	0	143	16	0	0	10	25	0	0	1
35	Uttar Pradesh	0	0	0	0	938	1040	0	0	689	905	8	3	0
36	Uttarakhand	0	0	0	0	352	133	1	0	290	320	2	1	3
37	West Bengal	0	0	27	38	534	57	0	0	174	351	7	1	0
Total		126	265	283	187	10345	3586	9	9	3097	8226	70	32	30

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

State/UT wise Details of available Cold Chain Equipment as on 12-12-2021

		ILR	DF	WIC	WIF	SDD
1	Andaman & Nicobar Islands	69	65	1	0	7
2	Andhra Pradesh	3016	2700	7	1	0
3	Arunachal Pradesh	372	322	2	0	80
4	Assam	1581	1394	6	2	62
5	Bihar	2507	1812	28	8	5
6	Chandigarh	107	94	1	1	0
7	Chhattisgarh	1114	1171	7	3	21
8	Dadara & Nagar Haveli	83	52	0	0	0
9	Daman & Diu	37	20	0	0	0
10	Delhi	1076	752	2	1	0
11	Goa	103	64	1	0	0
12	Gujarat	2880	2503	12	3	0
13	Haryana	1235	1123	7	3	0
14	Himachal Pradesh	685	651	8	3	5
15	Jammu and Kashmir	1353	1087	5	3	16
16	Jharkhand	824	759	9	5	5
17	Karnataka	4671	4497	11	6	6
18	Kerala	2389	2044	8	2	2
19	Ladakh	130	90	0	0	0
20	Lakshadweep	42	28	0	0	0
21	Madhya Pradesh	2300	2171	15	10	24
22	Maharashtra	5164	4746	24	6	18
23	Manipur	145	130	2	0	30
24	Meghalaya	328	264	3	0	19
25	Mizoram	196	192	1	0	13
26	Nagaland	188	172	1	0	26
27	Odisha	2125	1865	18	4	26
28	Puducherry	140	100	0	0	0
29	Punjab	1471	1258	6	2	0
30	Rajasthan	3774	3583	20	6	19
31	Sikkim	137	121	0	0	10
32	Tamil Nadu	3577	3249	21	6	0
33	Telangana	1699	2306	7	3	0
34	Tripura	332	251	2	1	11
35	Uttar Pradesh	5038	5860	32	11	17
36	Uttarakhand	1335	1058	8	2	19
37	West Bengal	3204	2294	25	5	0
Total		55427	50848	300	97	441

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

Annexure 2**State/UT wise details of Cold Chain maintenance funds allocated during last three years and current year (in lakh)**

S.N.	States	2018-19	2019-20	2020-2021	2021-22
1	Andhra Pradesh	12.82	15.95	20.2	21.93
2	Andaman & Nicobar Islands	1.00	0.92	1.00	1.00
3	Arunachal Pradesh	6.08	8.87	7.57	6.75
4	Assam	11.12	17.52	17.52	17.52
5	Bihar	35.86	19.3	19.3	52.85
6	Chandigarh	1.6	2.00	1.24	1.24
7	Chhattisgarh	14.6	14.27	13.6	14.4
8	Dadra & Nagar Haveli	0.5	0.5	0.00	0.00
9	Daman & Diu	0.00	0.00	0.00	0.00
10	Delhi	8.94	8.94	7.5	8.3
11	Goa	0.6	0.6	0.6	0.6
12	Gujarat	19.34	26.55	35.07	37.33
13	Haryana	8.66	14.03	18.46	14.33
14	Himachal Pradesh	2.04	7.34	0.00	0.00
15	Jammu & Kashmir	12	12.71	15.07	11.5
16	Ladakh	-	-	1.31	1.31
16	Jharkhand	8.24	8.92	8.03	10.03
17	Karnataka	23.9	25.28	25.28	38.39
18	Kerala	8.4	11.5	11.11	14.97
19	Lakshadweep	0.3	0.3	0.3	0.3
20	Madhya Pradesh	20.56	29.75	31.74	31.75
21	Maharashtra	44.26	47.5	46.9	35.08
22	Manipur	2.11	5.00	5.5	5.5
23	Meghalaya	3.61	4.54	4.54	4.49
24	Mizoram	1.7	0.5	3.05	3.07
25	Nagaland	2.84	4.12	4.1	4.1
26	Odisha	28.14	28.14	28.14	93.97
27	Puducherry	1.00	1.00	1.00	1.00
28	Punjab	20.89	20.89	13.99	13.98
29	Rajasthan	20.4	34.05	35.18	35.89
30	Sikkim	1.00	1.65	2.00	1.66
31	Tamil Nadu	20.42	25.51	32.6	40.54
32	Telangana	7.99	9.02	10.00	10.00
33	Tripura	3.39	3.3	3.46	3.34
34	Uttar Pradesh	28.36	37.25	33.5	33.5
35	Uttarakhand	8.13	8.13	8.13	8.16
36	West Bengal	*	*	368.7	429.71
Grand total		390.8	455.85	835.69	1008.49

* 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 2019-20.