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## **Message**

Vaccination has stabilized the world over a century and brought an end to dreadful epidemics of past and has reduced deaths against all Vaccine Preventable Diseases. Today we are facing another pandemic (Covid-19), and again the vaccination has proved that it can bring life to normal. These life saving vaccines cannot reach humans in full efficacious form until they are handled on scientific lines from manufacturing to the point of consumption. This process in today's world is highly refined and technologically made very advanced. The cold chain equipment thus becomes a life line for vaccine transportation and its storage till it is administered or consumed. The art of maintenance and regulation of cold chain equipment needs updated knowledge and skills that are pivotal to sustenance of national immunization programs and drives.

The Department of Health and Family Welfare and Immunization, Jammu and Kashmir has today taken a lead in bringing out the 1st edition of Handbook on cold chain equipment. It is covering all data, details about the availability of such equipment in Jammu and Kashmir at every level, their working, handling and maintenance and can be maintained on real time basis on eVIN/NCCMIS portal.

It will go a long way in strengthening the Immunization Module in Jammu and Kashmir. As vaccines save lives at every stage of life, it become imperative to conserve such valuables in the cold chain system, the jewel box that has protected humanity over years. Hope this edition will bring enlightening features as a guide for reference and learning.

Dated: 14-January-2022

Dr Saleem-Ur-Rehman  
Director General

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<b>Abbreviations</b>	
AC	Alternate Current
AEFI	Adverse Event Following Immunization
AMF	Auto Main Failure
ANM	Auxiliary Nurse Midwife
AVDS	Alternate Vaccine Delivery System
BCG	Bacillus Calmette Guerin
bOPV	Bivalent Oral Polio Vaccine
CCE	Cold Chain Equipment
CCH	Cold Chain Handler
CCO	Cold Chain Officer
CCP	Cold Chain Point
CCT	Cold Chain Technician
CFC	Chlorofluoro Carbon
CHC	Community Health Centre
DF	Deep Freezer
DG	Diesel Genset
DIO	District Immunization Officer
DPT	Diphtheria, Pertussis and Tetanus
EEFO	Early Expiry and First Out
eVIN	Electronic Vaccine Intelligence System
EVM	Effective Vaccine Management
FIFO	First In First Out
FFVC	Freeze Free Vaccine Carrier
GMSD	Government Medical Store Depot
Gol	Government of India
HF	Health Facilities
HQ	Headquarter
ILR	Ice Lined Refrigerator
IPV	Inactivated Polio Vaccine

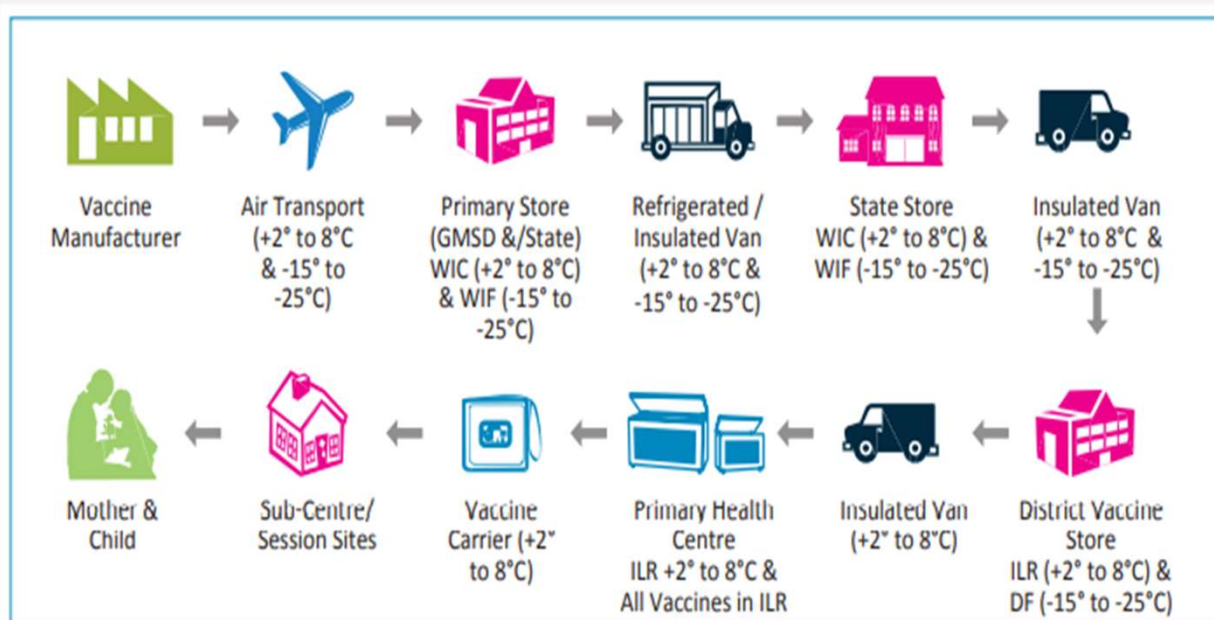
ITSU	Immunization Technical Support Unit
IU	International Unit
KVA	Kilo Volt Ampere
LHV	Lady Health Visitor
MCB	Miniature Circuit Breaker
MOI	Medical officer Incharge
MR	Measles and Rubella
NCCMIS	National Cold Chain Management Information System
NCCRC	National Cold Chain Resource Centre
NCCVMRC	National Cold Chain and Vaccine Management
NIHFW	National Institute of Health & Family Welfare
OVP	Open Vial Policy
PCV	Pneumococcal Conjugate Vaccine
PHC	Primary Health Centre
PUF	Polyurethane Foam
RI	Routine Immunization
RVS	Regional Vaccine Store
RVV	Rotavirus Vaccine
SC	Sub Centre
SEPIO	State Extended Program of Immunization Officer
SVS	State Vaccine Store
TT	Tetanus Toxoid
UHC	Urban Health Centre
UHP	Urban Health Post
UIP	Universal Immunization Program
UNICEF	United Nation's Children's Fund
UPS	Uninterrupted Power Supply
VCCH	Vaccine and Cold Chain Handler
VVM	Vaccine Vial Monitor
WIC	Walk in Cooler
WIF	Walk in Freezer



## 1. Cold Chain

Cold Chain Consists of a series of storage and transport links, all of which are designed to keep the vaccine at the recommended temperature from the point of manufacture until it reaches the target beneficiary. In order to provide potent and effective vaccine to the beneficiaries, a vast cold chain infrastructure is required, which should have a network of vaccine stores along with requisite Walk-in-Coolers (WIC), Walk-in-Freezers (WIF), Deep Freezers (DF), Ice-Lined Refrigerators (ILR), Refrigerated Vans, Insulated Vaccine Vans, Cold Boxes, Vaccine Carriers and Ice-Packs from national level to state up to the outreach sessions.

**The Cold Chain system and Vaccine Flow in the country is schematically represented below:**



**Figure 1: Cold Chain System**

## 2. Cold Chain Equipment

Cold Chain Equipment is a set of equipment, which helps in providing recommended temperature for the vaccines to preserve their quality during storage and transportation from the site of manufacturer till their administration to the target beneficiary. The equipment used in the UIP (Universal Immunization Program) are classified as follows:

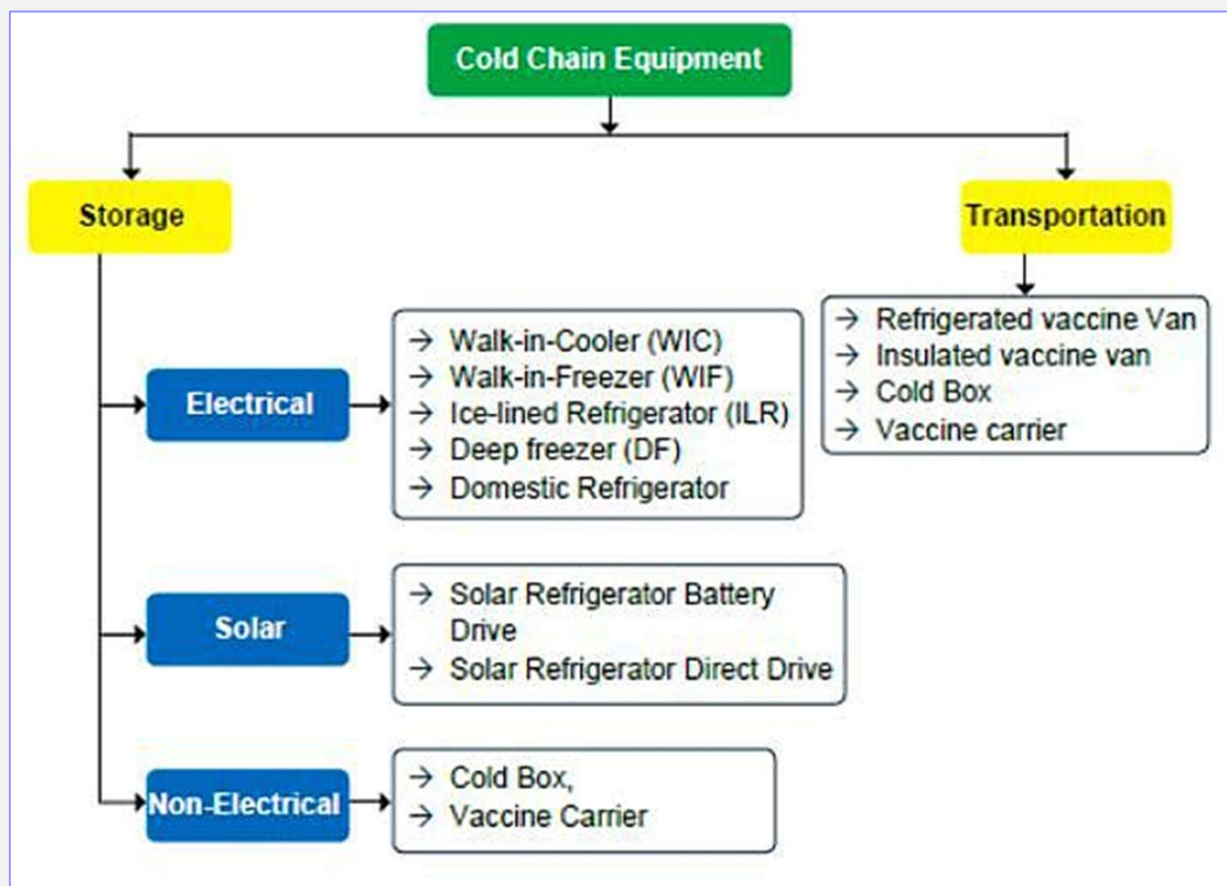


Figure 2: Cold Chain Equipment

### 3. Electrical Cold Chain Equipment

- 3.1. Walk-In- Cooler (WIC)
- 3.2. Walk-In-Freezer (WIF)
- 3.3. Ice-Lined Refrigerator (ILR)
- 3.4. Deep Freezer (D/F)
- 3.5. Automatic Voltage Stabilizer

#### 3.1 Walk-In-Cooler (WIC)

The Walk-In-Cooler is a Pre-Fabricated Modular Polyurethane Foam (PUF) insulated Panel assembled Cold room with two identical refrigeration units. They maintain a temperature of  $+2^{\circ}\text{C}$  to  $+8^{\circ}\text{C}$ . The capacity of Walk-in-Cooler of 16.5 cubic meter are in use. These are used for storage of large quantities of all UIP Vaccines like, BCG, Hepatitis-B, DPT, Pentavalent, IPV, Measles and Rubella, TT, Rota & PCV. They have two identical cooling units and a standby generator with automatic start and stop function. These Walk-in-Coolers are installed at SVS/Provincial stores.



**Fig 3: Walk-in-Cooler (WIC)**



**Fig 4: Condensing Unit for WIC**

### 3.2 Walk-In-Freezer (WIF)

The Walk-In-Freezer is a Pre-Fabricated Modular Polyurethane Foam (PUF) insulated Panel assembled Cold room with two identical refrigeration units and standby generator set to provide the uninterrupted power supply and to maintain a temperature of  $-15^{\circ}\text{C}$  to  $-25^{\circ}\text{C}$ . The capacity of Walk-in-Freezer 16.5 cubic meters are in use. WIF are used for bulk storage of bOPV & Rota virus vaccine, and also for the preparation of frozen ice packs for vaccine transportation. Walk-in-Coolers and Walk-in-freezers are meant for continuous operation, however in the event of mains power failure, diesel generator set is used to provide the standby power supply.



**Fig 5: Walk-in-Freezer (WIF)**

### 3.3 Ice Lined Refrigerator (ILR)

One of the most important link in the Cold Chain is Ice Lined Refrigerator (ILR). It has top opening lid to prevent loss of cold air during door opening and maintain a cabinet temperature between  $+2^{\circ}\text{C}$  to  $+8^{\circ}\text{C}$  and are used to store vaccines at District, Sub District and PHC/CHC level. ILR's are available in two sizes-Large (for District headquarters) and small (for PHC/CHC's). All UIP vaccines should be kept in the basket of ILR, in case basket is not available, two layers of empty ice packs can be laid flat on the bottom of the ILR. Vaccines should never be kept on the floor of the ILR. During the Covid 19 pandemic, Govt of India has supplied godrej new technology Front Load ILR's for strengthening the Cold Chain System.



**Fig 6: Ice-Lined Refrigerator(ILR)**



**Fig 7: ILR with front opening door (Godrej new technology)**

ILR with front opening door (Godrej new technology) has unique sure chill technology that guarantees optimal cooling of vaccines between  $+2$  to  $8$  degrees with no risk of freezing and a holdover time 3+ days. It has a provision of external temperature display as well as in built intelligent control for better energy management.



### 3.4 Deep Freezer (DF)

The Deep Freezer is an equipment which operates on a vapour compression system similar to any conventional type of refrigerator operating on 220 volts A.C. mains supply. However, Deep Freezer has top opening lid to prevent loss of Cold air during door opening. The cabinet temperature is maintained between  $-15^{\circ}\text{C}$  to  $-25^{\circ}\text{C}$  and is used for storing of bOPV and Rota Virus Vaccine at district level and above. Also used for freezing of ice packs. Deep Freezer is available in two sizes- Large & Small. The Deep Freezer which is used for storing vaccines should not be used for preparation of ice-packs, as it may increase the cabinet temperature and can be potentially harmful to the vaccines.



**Fig 8: Deep Freezer (DF)**



**Fig 9: Brick Layered Ice-Packs in DF**

### 3.5 Voltage Stabilizer

A Voltage stabilizer is electronic equipment that ensures a constant output voltage of 220 volts. The function of Voltage Stabilizer is to monitor the range of fluctuation in the main incoming voltage and to safe guard equipment from excessive voltage variation. Voltage Stabilizers provide specified constant stabilized voltage to cold chain equipment (ILR & DF) for its desired optimum operation. Two types of Voltage stabilizers are provided to the state by GOVT of India- **Normal Voltage Stabilizers:** Voltage range is 150-280 V and **Low range Voltage Stabilizers:** Voltage Range is 110-280 V. Stabilizers should be installed as per the input voltage available.



**Fig 10: Voltage Stabilizer**

Electrical Cold Chain Equipment should never be installed without a Voltage Stabilizer.

**Table I : Storage Capacity of Equipment supplied to Directorate of Family Welfare, MCH & Immunization J&K**

<b>Model wise specifications of Deep Freezer (DF)</b>					
S.no	Name of Equipment and Model no.	Make	Size	Capacity (in litres)	Storage Capacity
1	Deep Freezer_ MF-314	Vest Frost	Large	264	380 ice pack
2	Deep Freezer_ MF-114, MF-144	Vest Frost	Small	72	130 ice pack
3	Deep Freezer_HBD-286	Haier	Large	200	250 ice pack
4	Deep Freezer_HBD-116	Haier	Small	80	140 ice pack
5	Deep Freezer_GMF-125c Eco	Godrej	Small	79.2 (0.6ltrs x 132)	132 ice packs
6	Deep Freezer_GMF-200 Eco	Godrej	Large	142.8 (0.6ltrs x 238)	238 ice packs
7	Deep Freezer_RQF-125	Remi	Small	125	-
<b>Model wise specifications of Ice-Lined Refrigerator (ILR)</b>					
7	ILR_HBC-70	Haier	Small	50	12,000 to 14,000 doses (Mix Antigens)
8	ILR_MK-144, NMK-142, MK-142	Vest Frost	Small	45	11,000 to 13,000 doses (Mix Antigens)
9	ILR_HBC-200	Haier	Large	100	24,000 to 28,000 doses (Mix Antigens)
10	ILR_MK-304	Vest Frost	Large	108	26,000 to 30,000 doses (Mix Antigens)
11	ILR_VLS-300	Vest Frost	Small	98	24,000 to 28,000 doses (Mix Antigens)
12	ILR_VLS-400	Vest Frost	Large	145	35,000 to 41,000 doses (Mix Antigens)
13	ILR_GVR-99 lite	Godrej	Small	98.5	21,000 to 24,000 doses covid vaccine
14	ILR_GVR-225 AC	Godrej	Large	225	48,000 to 50,000 doses covid vaccine



## 4. Solar Cold Chain Equipment

Solar Cold Chain Equipment are mainly of two types, Solar Refrigerator Battery drive and Solar Refrigerator Direct drive. Solar refrigerator operates on the same principle as normal compression refrigerator but incorporate low voltage (12 or 24 V) DC compressors in place of mains AC voltage operated compressors. Solar Refrigerator has good PUF insulation around the storage compartments to maximize energy efficiency. Battery, charge controller and solar panels are the major additional components associated with solar refrigerator.

### 4.1 Solar Refrigerator Direct Drive

In recent years, new approach to solar refrigerator design has emerged that eliminates the expensive (and problematic) energy storage batteries.



**Fig 11: Solar Cold Chain Equipment**



**Fig 12: Solar Panel**

“Direct-Drive” technology uses the sun’s energy to freeze water or other phase change material and then uses cooling from that “Ice bank” to keep the refrigerator cold during the night and cloudy days, these refrigerators are called Solar Direct-Drives Refrigerators. It has two separate compartments, refrigerator and freezer compartment and can be used both for storing of vaccines and freezing of ice-packs. Vaccine storage compartment maintains temperature range of +2°C to +8° C (Refrigerator). Freezer compartment is for storing frozen ice packs maintaining temperature up to -7°C (Freezer).

- Shading of 10% of a module of the solar panel by dirt or bird dropping can reduce power output by 50%.
- Solar System gives more power in hot sunny days in comparison to cloudy days.
- Panel installed in dirty areas requires frequent inspection & cleaning.
- Cleaning a solar panel is not cosmetic. A panel needs to be clean for it to operate at its rated capacity.

## **5. Non-Electrical Cold Chain Equipment**

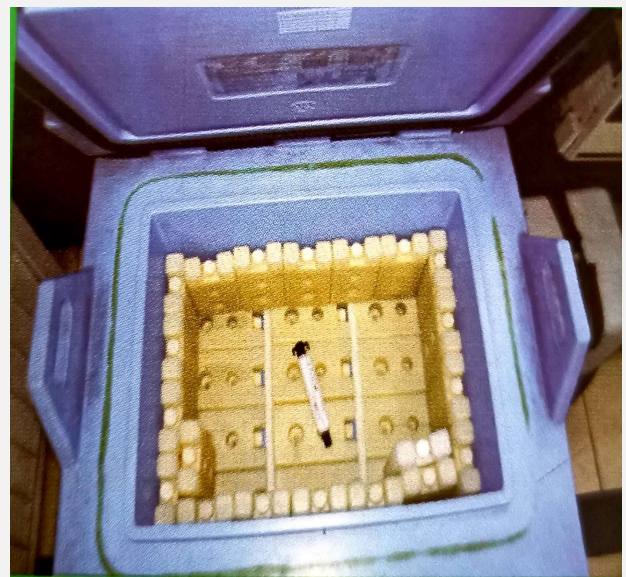
- 5.1. Cold Box
- 5.2. Vaccine Carrier
- 5.3. Alcohol Stem Thermometer
- 5.4. Insulated Vaccine Van
- 5.5. Ice-Packs

## 5.1 Cold Box

A Cold Box is an insulated container that can be lined with ice-packs to keep vaccine and diluents within recommended temperatures during transportation and emergency storage of Vaccine/Ice-packs for short period (as per the holdover time). Cold Boxes are used to collect and transport Vaccine Supplies from State to District Vaccine Stores to PHC/CHC's. It is available in two sizes i.e., 5 litres & 20 litres. In contingency measures like breakdown of ILR or power cut, vaccines can be stored in Cold Box upto 5 days.



**Fig 13: Cold Box**



**Fig 14: Cold Box packed with conditioned icepacks and having a thermometer**

## 5.2 Vaccine Carrier

Vaccine Carriers are insulated containers and are used to maintain temperature of vaccines and diluents during transportation. Vaccine Carriers are normally of 1.7 liters capacity. Vaccine Carriers are used for carrying small quantities of vaccines (16-20 vials) from PHC to sub-centers or to outreach session sites and bring back the open vaccine vials under the open vial policy from the session sites for storing and Subsequent use. Four conditioned ice packs are placed in the vaccine carrier and the lid of the carrier should be closed tightly. During Covid 19 pandemic, Govt of India has supplied Freeze-Free Vaccine Carriers.



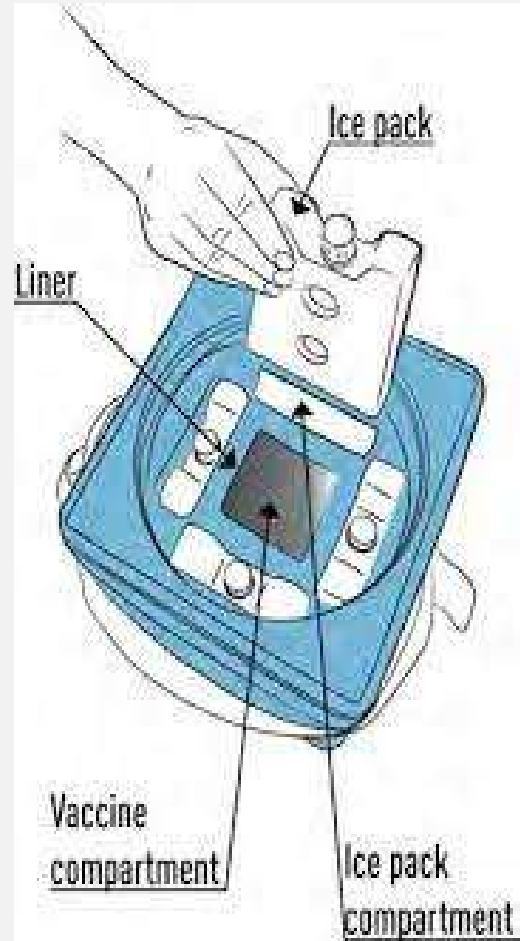
**Fig 15: Vaccine Carrier**



**Fig 16: Vaccine Carrier with four standard icepacks**

### 5.2.1 Freeze Free Vaccine Carrier (FF-VC)

Freeze Free Vaccine Carrier has two separate compartments: Ice-Pack Compartment and Vaccine Compartment. Freeze free Vaccine carrier contains a liner, which physically and thermally separates the vaccine storage compartment from the direct contact with ice-packs from all sides and always maintains the compartment temperature greater than 0°C. Conditioning of ice-packs is not required while using freeze-free vaccine carriers. It is recommended to use frozen ice-packs. Ensure that these ice-packs are only used in the freeze-free vaccine carrier and should not be used in the traditional vaccine carriers in case the cold chain point has availability of both types of vaccine carrier.



**Fig 17: Freeze Free vaccine carrier**



### 5.3 Alcohol Stem Thermometer

Thermometers are used for monitoring the functionality of the Cold Chain Equipment and also to measure the temperature during storage of Vaccine. It is used in ILRs and Deep Freezers to check constant optimal temperature. They can record temperatures from  $-40^{\circ}\text{C}$  to  $+50^{\circ}\text{C}$ . ILR and Deep Freezer should have separate thermometers and comprehensive logbook and temperature should be recorded twice a day.



**Fig 18: Alcohol stem Thermometer**

### 5.4 Insulated Vaccine Van

It is used for transportation of the vaccine by road in bulk quantity. The insulation helps in maintaining the ambient temperature of the cargo unit which assists in maintaining the Holdover time of vaccine containing cold boxes. All vaccines should only be transported in cold boxes with required numbers of conditioned ice-packs.



**Fig 19: Insulated Vaccine Van**

## 5.5 Ice-packs

Ice packs are key component of the cold chain. Ice packs are plastic containers filled with water. The standard ice packs used in UIP (Universal Immunization Program) for cold box and vaccine carrier are of 0.3/0.4 liters capacity. It helps in maintaining desired temperature range for safe vaccine storage.

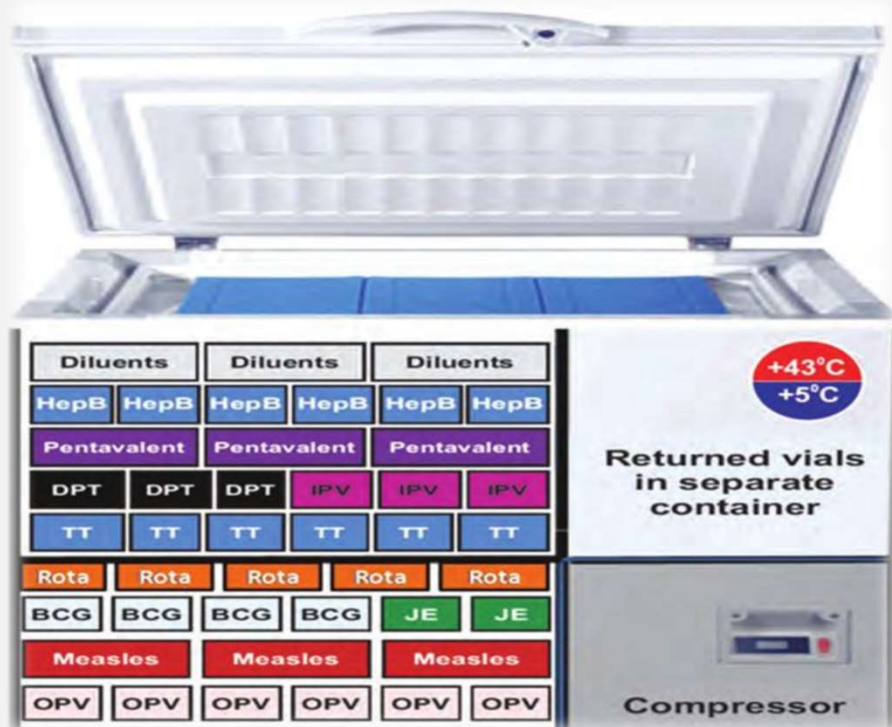


**Fig 20: Ice-packs**

**Table 2: Number of Vaccine Stores/Cold Chain Points in J&K**

Store Level	Numbers
SVS / Regional Store	2
District Vaccine Stores	20
Number of Cold Chain Points (as per NCCMIS)	664 (functional)
Insulated Vaccine Vans	20 @ 1 per district

# Electrical Cold Chain Equipment





**List of Electrical Cold Chain Equipment- ILR, DF, Covid\* ILR/DF, Solar ILR cum DF and stabilizer of district Srinagar**

District	Name of Cold Chain Point	Type of Cold Chain Point	Ice lined refrigerator (ILR)		Deep Freezer		Automatic Voltage Stabilizers	Covid* ILR in built stabilizer		Covid* Deep Freezer with stabilizer	Solar ILR CUM Deep Freezer
			Small	Large	Small	Large		Small	Large		
SRINAGAR	Ghousia Hosp. Khanyar	CHC	1	0	1	0	2	2	0	1	0
	Brane	PHC	1	0	1	0	2	0	0	1	0
	Rainawari	ASS.Hospital	2	0	1	0	2	0	0	0	0
	Nehrupark	S/C	1	0	1	0	2	0	0	0	0
	Harzatbal	SDH	0	1	0	1	2	0	0	0	0
	Harwan	UPHC	1	0	1	0	2	0	0	0	0
	Faqir Gujree	NTPHC	1	0	1	0	2	0	1	0	0
	Nishat	UPHC	1	0	1	0	2	1	0	0	0
	Tailbal	UPHC	0	1	0	1	2	0	0	0	0
	Batamaloo	UPHC	3	1	2	0	5	2	1	0	0
	Nowgam	PHC	1	0	1	0	2	0	0	0	0
	Mujgund	UPHC	1	0	1	0	2	0	0	1	0
	Laloo	PHC	0	1	1	0	2	0	0	0	0
	Humhama	UPHC	1	0	1	0	2	0	0	0	0
	Tengpora	NTPHC	1	0	1	0	2	0	0	0	0
	Lasjan	UPHC	1	0	1	0	2	0	0	0	0
	Trama Hosp. Lawapora	Hospital	1	0	1	0	2	0	0	0	0
	Mehjoor Nagar	UPHC	1	0	0	0	2	0	0	1	0
	Khanmoh	PHC	1	0	1	0	2	0	0	0	0
	Natipora	HWC	1	0	1	0	2	0	0	0	0
	Panthachowk	UPHC	1	0	1	0	2	0	0	0	0
	Bemina	PHC	1	0	1	0	2	0	0	1	0
	Jawahar nagar	HWC	1	0	1	0	2	0	0	0	0
	Chanapora	PHC	1	0	1	0	2	0	0	0	0
	Sanatnagar	MMC	1	0	1	0	2	0	0	0	0
	SR Gunj	UPHC	0	1	1	0	2	1	0	1	0
	Habbakadal	NTPHC	2	0	1	0	2	0	0	0	0
	Noorbagh	MMC	1	0	1	0	2	1	0	0	0
	Narwara	UPHC	0	1	1	0	2	0	0	0	0
	Palpora	UPHC	1	0	2	0	2	1	0	1	0
	Sangam	UPHC	1	0	1	0	2	0	0	0	0
	Bakshipora	NTPHC	0	1	0	1	2	0	0	0	0
	Wanganpora	UPHC	0	1	0	1	2	0	0	0	0
	Zadibal	PHC	0	1	1	0	3	1	0	1	0
	Burzahama	PHC	1	0	1	0	2	0	0	0	0
	Chatterhama	NTPHC	1	0	1	0	2	0	0	0	0
	Shalimar	UPHC	1	0	1	0	2	0	0	0	0
	Zakura	UPHC	1	0	1	0	2	0	0	0	0
	Sangeen Darwara	UPHC	1	0	1	0	2	1	0	0	0
	Lal Bazar	UPHC	1	0	1	0	2	1	0	0	0
	GB Panth Hospital	Govt. Hosp.	1	0	1	0	2	1	0	1	0
	WBC Soura	Ass.Hosp. with SKIMS	1	0	1	0	3	1	0	1	0
	JVC Hospital	Ass.Hosp.	1	0	1	0	2	1	0	1	0
	SMHS Hospital	Ass.Hosp.	2	0	2	0	2	0	0	0	0
	Police Hosp.Batamaloo	Polce HQ	1	0	1	0	2	0	0	0	0
	Composite Hospital	BSF Hosp.	1	0	0	0	0	0	0	0	0
	135 SHO BB cantt.	Army Hosp.	1	0	1	0	2	1	0	0	0
	LD Hospital	Post Partum Centre	1	0	1	0	2	0	0	0	0
	JLNM Hospital	Ass.Hosp.	2	0	0	0	2	1	0	1	0
	Dy. CMO Srinagar(HQ)	DVS	5	2	0	1	8	3	2	1	0

Note Buffer Stock: Covid\* ILR (L)-2, Covid\* D/F- 11 & Refrigerator Tool Kit for Technician.

\* Can be used for RI storage also

**List of Electrical Cold Chain Equipment- ILR, DF, Covid\* ILR/DF, Solar ILR cum DF and stabilizer of district Budgam**

District	Name of Cold Chain Point	Type of Cold Chain Point	Ice lined refrigerator (ILR)		Deep Freezer		Automatic Voltage Stabilizers	Covid* ILR		Covid* Deep Freezer with stabilizer	Solar ILR CUM Deep Freezer
			Small	Large	Small	Large		Small	Large		
<b>BUDGAM</b>	SOIBUGH (BVS)	PHC	1	2	1	0	3	0	0	0	0
	WADWAN	PHC	1	0	1	0	2	1	0	0	0
	NAGAM	PHC	2	0	1	0	3	1	0	1	0
	CHARI-SHARIEF (BVS)	CHC	1	0	1	0	2	1	0	1	0
	PAKHARPORA	PHC	1	0	1	0	2	1	0	0	0
	CHATTERGAM	CHC	2	1	1	0	3	0	1	1	0
	KRALPORA	CHC	1	1	1	0	3	0	0	0	0
	POHROO	PHC	1	0	1	0	2	0	0	0	0
	CHADOORA (BVS)	SDH	2	0	1	1	4	1	0	1	0
	BUGAM	PHC	1	0	1	0	4	0	0	0	0
	SURASYAR	PHC	1	0	1	0	2	0	1	1	0
	DAD OMPORA	PHC	1	0	1	0	2	0	0	0	0
	BEERWAH	SDH	1	1	2	1	4	2	0	1	0
	GONDIPORA	PHC	1	0	1	0	2	0	0	0	0
	PETHKOT	PHC	1	0	1	0	2	0	0	0	0
	AARIPANTHAN	PHC	1	0	1	0	2	0	0	0	0
	UTTERPORA	PHC	1	0	1	0	2	0	0	0	0
	RATHSUN	PHC	1	0	1	0	2	0	0	0	0
	CHURMUJROO	PHC	1	0	1	0	2	0	0	0	0
	KHAG (BVS)	PHC	2	0	1	0	3	0	1	1	0
	POSHKAR	PHC	1	0	1	0	2	0	0	0	0
	LASSIPORA	PHC	1	0	1	0	2	0	0	0	0
	MAGAM (BVS)	SDH	0	1	2	0	3	1	0	1	0
	NARBAL	SDH	0	1	1	0	2	1	0	0	0
	KHANSAHIB (BVS)	CHC	1	0	3	0	4	2	0	0	0
	KREMSHORE	PHC	1	0	1	0	2	1	0	0	0
	WATIHAL	PHC	1	0	1	0	2	0	0	0	0
	KRALNEWA	PHC	1	0	1	0	2	0	0	0	0
	HARDPANZO	PHC	1	0	0	1	2	1	0	1	0
	OMPORA (BVS)	PHC	1	0	1	0	2	0	1	1	0
	N.U.PORA	PHC	1	0	1	0	2	0	0	0	0
	ICHGAM	PHC	2	0	1	0	3	0	0	0	0
	SHOLIPORA	PHC	1	0	1	0	2	0	0	0	0
	BUDGAM	MIC	1	0	1	0	2	1	0	0	0
	District Hospital Budgam	DH	1	0	1	0	2	1	0	0	0
	DY.CMO BUDGAM	HQ	0	3	1	1	4	2	1	4	0

Note: Small D/F Haier 3 No Buffer, PHC Chanapora Covid Centre 1 D/F & 1ILR, Standby: 4 ILR

\* Can be used for RI storage also

**List of Electrical Cold Chain Equipment- ILR, DF, Covid\* ILR/DF, Solar ILR cum DF and stabilizer of district Ganderbal**

District	Name of Cold Chain Point	Type of Cold Chain Point	Ice lined refrigerator (ILR)		Deep Freezer		Automatic Voltage Stabilizers	Covid* ILR in built stabilizer		Covid* Deep Freezer with stabilizer	Solar ILR CUM Deep Freezer
			Small	Large	Small	Large		Small	Large		
Ganderbal	DH Ganderbal	DH	1	0	1	0	2	0	0	0	0
	Block Store Ganderbal	BVS	1	0	1	0	3	1	0	0	
	Shuhama	PHC	1	0	1	0	2	0	0	0	0
	Kachan	PHC	1	0	1	0	2	0	0	0	0
	Chundina	PHC	1	0	1	0	2	0	0	0	0
	Tulamulla	PHC	1	0	1	0	2	0	0	0	0
	Nunner	NTPHC	1	0	1	0	2	0	0	0	0
	Gutlibagh	NYPHC	1	0	1	0	3	1	0	0	0
	Well baby Clinic Kangan	CCP	1	0	0	0	2	0	0	0	
	SDH Kangan	SDH	0	1	1	0	5	2	0	1	0
	Sonamarg	PHC	1	0	1	0	2	0	0	0	0
	Gund	PHC	1	0	1	0	2	0	0	0	0
	Kullan	PHC	1	0	1	0	2	0	0	0	0
	Ganiwan	PHC	1	0	1	0	2	0	0	0	0
	Wangath	PHC	1	0	1	0	2	0	0	0	0
	Chattergul	NTPHC	1	0	1	0	2	0	0	0	0
	Babanagri	PHC	1	0	1	0	2	0	0	0	0
	Wussan	PHC	1	0	1	0	2	0	0	0	0
	Manigam	PHC	1	0	1	0	2	0	0	0	0
	Lar/Block Store	PHC	1	0	1	0	4	2	0	0	0
	Watlar	MMC	1	0	1	0	2	0	0	0	0
	Safapora	PHC	1	0	1	0	2	0	0	0	0
	Koundbal	AD	1	0	1	0	2	0	0	0	0
	Wakura/Block Store	PHC	0	1	1	0	4	2	0	0	0
	Batwina	PHC	1	0	1	0	2	0	0	0	0
	District Store/Buffer	DVS	1	1	1	0	6	2	0	1	0
Note Buffer Stock: at DVS Covid* D/F=08, ILR GVR99=04, D/F RI Small=04, ILR RI Small=02. Standby Laying in DVS: ILR=08 & D/F Small=05 * Can be used for RI storage also.											

**List of Electrical Cold Chain Equipment- ILR, DF, Covid\* ILR/DF, Solar ILR cum DF and stabilizer of district Pulwama**

District	Name of Cold Chain Point	Type of Cold Chain Point	Ice lined refrigerator (ILR)		Deep Freezer		Automatic Voltage Stabilizers	Covid* ILR in built stabilizer		Covid* Deep Freezer with stabilizer	Solar ILR CUM Deep Freezer
			Small	Large	Small	Large		Small	Large		
Pulwama	Dy CMO Office	DVS	0	3	0	1	7	0	1	3	0
	BVS Pulwama	BVS	0	2	0	1	4	1	0	1	0
	DH Pulwama	DH	1	0	1	0	2	1	0	0	0
	Gulzarpora	PHC	1	0	1	0	2	0	0	0	0
	Newa	PHC	1	0	1	0	2	0	0	0	0
	Pinglena	NTPHC	1	0	1	0	2	0	0	0	0
	Panzgam	PHC	1	0	0	0	2	0	1	1	0
	Tahab	PHC	1	0	1	0	2	1	0	1	0
	Wasoorra	PHC	1	0	1	0	2	0	0	0	0
	N.B Pora	NTPHC	1	0	1	0	2	0	0	0	0
	Litter	PHC	1	0	1	0	2	0	0	0	0
	Koil	NTPHC	1	0	1	0	2	0	0	0	0
	Pampore	BVS	0	1	2	0	3	2	0	1	0
	Awantipora	PHC	0	1	1	0	2	0	0	0	0
	Kakapora	PHC	1	0	2	0	3	0	0	0	0
	Khrew	PHC	1	0	1	0	2	1	0	0	0
	Ladhoo	PHC	0	1	1	0	2	0	0	0	0
	Lajurah	PHC	1	0	1	0	2	0	0	0	0
	Konibal	PHC	1	0	1	0	2	0	0	0	0
	Samboora	PHC	0	1	1	0	2	0	0	0	0
	Wuyan	PHC	1	0	0	0	3	1	0	1	0
	Parigam	PHC	1	0	1	0	2	0	0	0	0
	Nehama	NTPHC	0	0	0	0	1	0	1	1	0
	Tral	BVS	0	1	0	2	4	2	0	1	0
	Aripal	PHC	1	0	1	0	2	0	0	0	0
	Batagund	NTPHC	1	0	1	0	2	0	0	0	0
	Dadasara	PHC	2	0	2	0	2	0	0	0	0
	Charsoo	NTPHC	1	0	1	0	2	0	0	0	0
	Satoora	NTPHC	0	0	0	0	2	1	0	1	0
	Noorpora	NTPHC	1	0	1	0	0	0	0	0	0
	Rajpora	BVS	2	0	2	0	4	1	0	0	0
	Abhama	NTPHC	0	0	0	0	2	1	0	1	0
	Rahmoo	PHC	1	0	1	0	2	1	0	0	0
	Sangerwani	PHC	1	0	1	0	2	0	0	0	0
	Hawl	NTPHC	1	0	1	0	2	0	0	0	0

Note: Refrigerator Tool Kit at DVS Pulwama for Technician

\* Can be used for RI storage also

List of Electrical Cold Chain Equipment- ILR, DF, Covid* ILR/DF, Solar ILR cum DF and stabilizer of district Shopian											
District	Name of Cold Chain Point	Type of Cold Chain Point	Ice lined refrigerator (ILR)		Deep Freezer		Automatic Voltage Stabilizers	Covid* ILR in built stabilizer		Covid* Deep Freezer with stabilizer	Solar ILR CUM Deep Freezer
			Small	Large	Small	Large		Small	Large		
Shopian	Dy CMO Shopian	DVS Shopian	1	1	2	1	2	3	1	1	0
	RFWC Shopian	BVS Shopian	2	1	1	1	2	1	0	0	0
	Vehil	PHC	3	1	3	0	3	0	1	1	0
	Tukroo	PHC	1	0	1	0	2	0	0	0	0
	PHC Sedow	PHC	1	0	1	0	2	0	0	0	0
	Herman	PHC	2	0	2	0	4	1	0	0	0
	Pinjoora	NTPHC	1	0	2	0	4	2	0	1	0
	Nadigam	NTPHC	1	0	1	0	1	0	0	0	0
	Zainapora	BVS Zainapora	2	1	3	0	4	1	0	3	0
	DK Pora	PHC	1	0	1	0	2	0	0	1	0
	T Imam	NTPHC	1	0	1	0	2	0	0	0	0
	Keller	BVS Keller	2	1	0	1	2	1	2	1	0
	Berthipora	PHC	1	0	2	0	3	0	1	0	0
	Gatipora	NTPHC	2	0	1	0	2	0	0	0	0
	Wangam	SC	1	0	0	0	1	0	0	1	0

\* Can be used for RI storage also

**List of Electrical Cold Chain Equipment- ILR, DF, Covid\* ILR/DF, Solar ILR cum DF and stabilizer of district Anantnag**

District	Name of Cold Chain Point	Type of Cold Chain Point	Ice lined refrigerator (ILR)		Deep Freezer		Automatic Voltage Stabilizers	Covid* ILR in built stabilizer		Covid* Deep Freezer with stabilizer	Solar ILR CUM Deep Freezer
			Small	Large	Small	Large		Small	Large		
Anantnag	Achabal	PHC	1	0	1	0	2	1	0	1	0
	Monghall	NTPHC	0	0	0	0	2	0	1	1	0
	Tailwani	NTPHC	1	0	1	0	2	0	0	1	0
	Brakpora	PHC	1	0	1	0	2	1	0	1	0
	Donipawa	UPHC	1	0	1	0	2	0	0	0	0
	Dialgam	NTPHC	1	0	1	0	2	1	0	1	0
	Nathpora	UPHC	0	1	1	0	2	0	0	0	0
	Pehroo	UPHC	0	1	1	0	2	0	0	0	0
	Anchidora	PHC	0	1	1	0	2	0	0	0	0
	JBM Hospital Pvt	Pvt Hosp	1(Self Purchased)	1	0	0	1	0	0	0	0
	Bijbehara	SDH	0	1	1	0	2	1	0	1	0
	Marhama	PHC	1	0	1	0	2	0	0	1	0
	Sirhama	PHC	1	0	1	0	2	0	0	1	0
	K Kalan	PHC	1	0	1	0	2	0	0	0	0
	Veeri	NTPHC	0	1	1	0	2	1	0	0	0
	Khiram	PHC	1	0	1	0	2	0	0	0	0
	Akingam	PHC	1	0	1	0	2	1	0	1	0
	Sagam	PHC	0	1	1	0	2	0	0	0	0
	Wandevalgum	PHC	1	0	1	0	2	1	0	0	0
	Larnoo	PHC	0	1	1	0	2	1	0	1	0
	Kokernag	SDH	0	1	1	0	2	1	0	1	0
	Mattan	PHC	1	0	1	0	2	0	1	1	0
	Seer	SDH	1	0	1	0	2	1	0	1	0
	Salia	PHC	1	0	1	0	2	0	0	1	0
	Hapatnad	PHC	1	0	1	0	2	0	0	0	0
	Silgam	PHC	1	0	1	0	2	0	0	0	0
	Ashmuqam	PHC	0	1	1	0	2	0	0	0	0
	Saller	PHC	0	1	1	0	2	1	0	0	0
	Sirgufwara	PHC	1	0	1	0	2	1	0	1	0
	Awoora	PHC	0	1	1	0	2	0	0	1	0
	Pahalgam	NTPHC	1	0	1	0	2	0	1	0	0
	Shangus	SDH	0	1	1	0	2	1	0	1	0
	Nowgam	PHC	1	0	1	0	2	1	0	0	0
	Ranipora	PHC	1	0	1	0	2	1	0	1	0
	Chittergul	PHC	1	0	1	0	2	0	1	1	0
	Verinag	PHC	1	0	1	0	2	0	1	1	0
	Qamer	PHC	1	0	1	0	2	1	0	1	0
	Larkipora	NTPHC	1	0	1	0	2	1	0	1	0
	Hakura	PHC	1	0	1	0	2	0	1	0	0
	MCCH Ang	DH	1	0	1	0	2	0	0	0	0
	DVS	DH	1	2	1	2	6	1	0	0	0
	Doorru	SDH	1	0	1	0	2	1	0	0	0

Note: 1 Covid\* DF with voltage stabilizer kept buffer at District Store DyCMO Office Anantnag. Refrigerator Tool Kit at DVS Anantnag for Technician.

\* Can be used for RI storage also



**List of Electrical Cold Chain Equipment- ILR, DF, Covid\* ILR/DF, Solar ILR cum DF and stabilizer of district Baramulla**

District	Name of Cold Chain Point	Type of Cold Chain Point	Ice lined refrigerator (ILR)		Deep Freezer		Automatic Voltage Stabilizers	Covid* ILR in built stabilizer		Covid* Deep Freezer with stabilizer	Solar ILR CUM Deep Freezer
			Small	Large	Small	Large		Small	Large		
Baramulla	Kreeri BVS	CHC	4	0	2	0	6	0	1	0	0
	Kalantara	PHC	1	0	1	0	2	0	0	0	0
	Shrakwara	PHC	1	0	1	0	2	0	0	0	0
	Rohama (BVS)	CHC	1	0	0	1	2	1	0	1	0
	Shitloo	NTPHC	2	0	1	0	3	0	0	0	0
	Panzla	PHC	1	0	1	0	2	1	0	0	0
	Duroo	PHC	1	0	1	0	2	0	0	0	0
	Ladoora	PHC	1	0	1	0	2	0	0	0	0
	Chankhan	UPHC	1	0	1	0	2	0	0	0	0
	Tujjir	PHC	1	0	1	0	2	0	0	0	0
	Sopore	CHC	1	1	3	0	5	1	0	0	0
	Bomai	PHC	1	0	1	0	2	0	0	0	0
	Sopore	MCH	2	0	2	0	4	0	0	0	0
	Tangmarg BVS	CHC	1	1	2	1	5	0	1	0	0
	Hariwatnoo	PHC	1	0	1	0	2	0	0	0	0
	Sheeri	PHC	1	0	1	0	3	0	0	0	0
	Fatehgarh	PHC	1	0	1	0	2	0	0	0	0
	Heevan	NTPHC	1	0	1	0	2	0	0	0	0
	Baramulla	UPHC	1	0	1	0	2	0	0	0	0
	Delina	PHC	1	0	1	0	2	1	0	0	0
	Singhpora	PHC	1	0	2	0	3	0	0	0	0
	Khaitangan	PHC	1	0	1	0	2	0	0	0	0
	Chandoosa	CHC	2	0	1	0	3	0	0	0	0
	Boniyar BVS	PHC	2	0	0	0	3	0	1	1	0
	Trikanjan	PHC	4	0	1	0	5	1	1	2	0
	Bijhama	PHC	1	0	1	0	2	0	0	0	0
	Wanigam	PHC	0	0	1	0	2	1	0	0	0
	Singhpora	SHC	1	0	1	0	2	0	0	0	0
	GK Kasim	PHC	1	0	1	0	2	0	0	0	0
	Palhalan	AD	1	0	0	0	2	1	0	1	0
	Pattan BVS	CHC	3	0	2	0	5	1	0	0	0
	Dangiawacha	PHC	1	0	1	0	2	2	0	1	0
	Behrampora	NTPHC	1	0	2	0	3	0	0	0	0
	Baramulla Distt Hosp.	DH	3	0	2	0	5	0	0	0	0
	District Vaccine Store DVS	HQ	0	2	1	1	4	1	1	1	0
	Mulgam	PHC	0	0	1	0	1	1	0	0	0
	Hardaboora	PHC	1	0	1	0	2	0	0	0	0
	Khore	PHC	1	0	1	0	2	0	0	0	0
	Seriwarpora	PHC	1	0	1	0	2	0	0	0	0
	Kunzer BVS	PHC	1	0	0	0	1	0	1	1	0
	Sultandaki	PHC	0	1	0	0	1	1	0	1	0
	Kamalkote	PHC	1	0	1	0	2	0	0	0	0
	Uri BVS	CHC	5	0	2	0	7	1	0	0	0
	Danisydan	PHC	1	0	0	0	1	1	0	1	0
	Mohura	PHC	1	0	1	0	2	0	0	0	0
	Nambla	NTPHC	1	0	1	0	2	0	0	0	0
	Isham	NTPHC	2	0	0	0	2	1	0	1	0
	St. Joseph Hopsital	Pvt.Hospital	0	1	1	0	2	0	0	0	0

Note: Buffer stock at DVS Covid\* D/F-10, ILR- 01 & Refrigerator Tool Kit for Technicians.

\* Can be used for RI storage also



**List of Electrical Cold Chain Equipment- ILR, DF, Covid\* ILR/DF, Solar ILR cum DF and stabilizer of district Kupwara**

District	Name of Cold Chain Point	Type of Cold Chain Point	Ice lined Refrigerator (ILR)		Deep Freezer		Automatic Voltage Stabilizers	Covid* ILR in built stabilizer		Covid* Deep Freezer with stabilizer	Solar ILR CUM Deep Freezer
			Small	Large	Small	Large		Small	Large		
Kupwara	Kupwara	DVS	0	3	0	2	5	8	3	3	0
	Trehgam	PHC	1	1	1	1	4	1	0	0	0
	Awoora	NTPHC	1	0	1	0	2	0	0	0	0
	Kupwara BVS	SDH	3	1	2	0	2	0	1	1	0
	Gunipora	NTPHC	1	0	1	0	1	0	0	1	0
	Shatpora	NTPHC	1	0	1	0	1	0	0	0	0
	Nagri	NTPHC	0	0	1	0	1	0	0	1	0
	Drugmulla	NTPHC	1	0	3	0	3	0	0	0	0
	Kandi	NTPHC	0	0	3	0	2	0	0	0	0
	Gushi	NTPHC	1	0	0	0	1	0	0	0	0
	Nowgam	PHC	1	0	1	0	2	0	0	0	0
	Kalamabad	NTPHC	1	0	1	0	2	0	0	0	0
	Ashpora	NTPHC	1	0	1	0	2	0	0	0	0
	Kralgund	CHC	1	0	3	0	2	1	0	0	0
	Unisoo	NTPHC	1	0	2	0	2	1	0	1	0
	Langate	CHC	3	0	2	1	3	0	1	1	0
	Monbal	NTPHC	1	0	1	0	2	1	0	1	0
	Kralpora	CHC	2	1	1	0	2	0	0	1	0
	Panzgam	NTPHC	1	0	1	0	2	1	0	0	0
	Keran	PHC	1	0	1	0	3	0	0	0	1
	Harri	NTPHC	1	0	0	0	1	0	0	0	0
	Tangdar	SDH	1	2	7	0	4	0	1	0	0
	Gabra	NTPHC	4	0	1	0	2	0	0	1	0
	Chitter Kote	NTPHC	0	0	1	0	1	0	0	1	0
	Teetwal	NTPHC	1	0	1	0	2	0	0	1	0
	Villgam	PHC	0	1	3	0	3	0	0	0	0
	Tarthpora	NTPHC	1	0	1	0	2	1	0	1	1
	Kukroosa	NTPHC	1	0	1	0	0	0	0	0	0
	Zachaldara	CHC	1	0	1	0	7	1	0	1	0
	Wadipora	NTPHC	1	0	1	0	2	0	0	0	0
	Wadder	NTPHC	0	0	1	0	0	0	0	0	0
	Behnipora	NTPHC	1	0	0	0	2	0	0	0	0
	Kalaroos	PHC	1	1	2	0	5	0	0	0	0
	Dudi Mechil	PHC	1	0	2	0	4	0	0	0	1
	Chowgal	NTPHC	1	1	2	0	3	1	0	0	0
	Magam	PHC	1	0	0	0	3	0	0	0	0
	Nutnusa	NTPHC	2	0	0	0	2	0	0	0	0
	Batpora	NTPHC	0	0	0	0	0	0	0	0	0
	Handwara	DH	1	0	1	0	2	1	0	0	0
	Sogam	SDH	1	0	5	0	7	1	0	0	0
	Cherkote	NTPHC	0	1	0	0	4	0	0	0	0
	Maindanpora	NTPHC	0	0	0	0	3	0	0	0	0
	Lalpora	NTPHC	1	0	1	0	3	0	0	0	0
	Tekipora	NTPHC	2	0	0	0	3	0	0	0	0

\* Can be used for RI storage also

List of Electrical Cold Chain Equipment- ILR, DF, Covid* ILR/DF, Solar ILR cum DF and stabilizer of district Jammu											
District	Name of Cold Chain Point	Type of Cold Chain Point	Ice lined Referegerator (ILR)		Deep Freezer		Automatic Voltage Stabilizers	Covid* ILR in built stabilizer		Covid* Deep Freezer with stabilizer	Solar ILR CUM Deep Freezer
			Small	Large	Small	Large		Small	Large		
Jammu	APHC - NTPHC Sidhra	NTPHC	1	0	1	0	2	0	0	0	0
	CANTONMENT - Military Hospital	Hospital	1	0	1	0	2	0	0	0	0
	CANTONMENT - 136 SHO Satwari	Hospital	1	0	1	0	2	0	0	0	0
	CANTONMENT - 166 Military Hospital	Hospital	1	0	1	0	2	0	0	0	0
	CANTONMENT - 85 FHO Nagrota	Hospital	1	0	1	0	2	0	0	0	0
	CANTONMENT - CRFP Hospital Bantalab	Hospital	1	0	0	0	1	0	0	0	0
	CANTONMENT - GB Pant Hospital Satwari	Hospital	2	0	1	0	2	0	0	0	0
	AD Khour	CHC	1	0	1	0	2	0	0	0	0
	Akhnoor	CHC	4	1	2	1	4	2	0	0	0
	Bishnah	CHC	3	1	1	1	5	1	0	0	0
	CHC Marh	CHC	2	1	3	0	4	1	0	0	0
	RS Pura	CHC	2	1	2	0	4	1	0	0	0
	Jourian	PHC	1	0	1	0	2	0	0	0	0
	Sohanjana	PHC	1	1	1	0	3	1	0	0	0
	DIST HOSP - Gandhi Nagar Hospital	DH	1	1	1	0	3	1	0	0	0
	Dy CMO Office Jammu	DVS	0	5	0	3	10	1	5	3	0
	Municipality vaccination centre	MC	1	0	1	0	2	0	0	0	0
	UHP Talab Khatikan	other	1	0	1	0	2	0	0	0	0
	AH Chowki Choura	other	1	1	1	0	4	1	0	0	0
	Air Force Station Hospital	other	1	0	0	0	1	0	0	0	0
	Frontier Hospital BSF Camp Plaoura	other	1	0	0	0	1	0	0	0	0
	GOVT. Hospital Sarwal	other	2	0	1	0	3	1	0	0	0
	Govt. Rajiv Gandhi Hospital	other	2	0	1	0	3	0	0	0	0
	Red Cross society Jammu	other	1	0	1	0	2	0	0	0	0
	SMGS Hospital	other	3	1	2	0	5	1	0	0	0
	Gole Gujral	PHC	2	0	1	0	2	1	0	0	0
	Mishriwala	PHC	1	0	1	0	2	1	0	0	0
	Nagrota	PHC	1	0	1	0	2	0	0	0	0
	PHC Rathana Morh	PHC	1	0	1	0	2	0	0	0	0
	Amb Garota	PHC	1	0	0	1	2	1	0	0	0
	Badyal Brahmana	PHC	1	0	1	0	2	0	0	0	0
	Chowadhi	PHC	1	0	0	1	2	0	0	0	0
	Dablehar	PHC	1	0	1	0	2	0	0	0	0
	Gangyal	PHC	1	0	1	0	2	0	0	0	0
	Kanachak	PHC	1	0	1	0	2	1	0	0	0
	PHC Keri	PHC	1	0	1	0	2	1	0	0	0
	Kot Bhalwal	PHC	2	1	0	1	4	1	0	0	0
	Mera Mandrian	PHC	1	0	1	0	2	0	0	0	0
	Miran Sahib	PHC	1	0	1	0	2	0	0	0	0
	NTPHC Chatha	NTPHC	1	0	1	0	2	0	0	0	0
	Gura Manahasa	NTPHC	1	0	1	0	2	0	0	0	0
	Pindi Charakan	NTPHC	1	0	1	0	2	0	0	0	0
	PHC phinder	PHC	1	0	1	0	2	0	0	0	0
	PHC Arnia	PHC	1	0	1	0	2	1	0	0	0
	Bagwati Nagar	PHC	0	0	0	0	0	0	0	0	0
	PHC Barore	PHC	1	0	1	0	2	0	0	0	0
	PHC Bhaur Camp	PHC	1	0	1	0	2	0	0	0	0

List of Electrical Cold Chain Equipment- ILR, DF, Covid* ILR/DF, Solar ILR cum DF and stabilizer of district Jammu											
District	Name of Cold Chain Point	Type of Cold Chain Point	Ice lined Refrigerator (ILR)		Deep Freezer		Automatic Voltage Stabilizers	Covid* ILR in built stabilizer		Covid* Deep Freezer with stabilizer	Solar ILR CUM Deep Freezer
			Small	Large	Small	Large		Small	Large		
Jammu	PHC chakrohi	PHC	1	0	1	0	2	0	0	0	0
	PHC Chibba	PHC	1	0	1	0	2	0	0	0	0
	PHC Danger	PHC	1	0	1	0	2	0	0	0	0
	Dansal	PHC	2	2	2	1	6	1	0	0	0
	Ghao Manhasa	PHC	1	0	1	0	2	0	0	0	0
	Jagti	PHC	1	0	1	0	2	0	0	0	0
	PHC Jindrah	PHC	1	0	1	0	2	0	0	0	0
	PHC jogwan	PHC	1	0	1	0	2	0	0	0	0
	PHC KATHAR	PHC	1	0	1	0	2	0	0	0	0
	PHC kharah	PHC	1	0	1	0	2	0	0	0	0
	PHC Muthi	PHC	1	0	1	0	2	0	0	0	0
	PHC pallanwala	PHC	3	1	3	0	3	1	0	0	0
	PHC Pargwal	PHC	1	0	1	0	2	0	0	0	0
	PHC PURKHOO (Migrant)	PHC	1	0	1	0	2	0	0	0	0
	PHC Sungal	PHC	1	0	1	0	2	0	0	0	0
	PHC Rehal	PHC	1	0	1	0	2	0	0	0	0
	PHC Sai	PHC	1	0	1	0	2	0	0	0	0
	PHC Salehar	PHC	1	0	1	0	2	0	0	0	0
	PHC Satrian	PHC	1	0	1	0	2	0	0	0	0
	Simbal Camp	PHC	2	0	1	0	2	0	0	0	0
	Sohal	PHC	1	0	1	0	2	0	0	0	0
	Police Headquarter Gandhi Nagar	Police Hospital	1	0	1	0	2	0	0	0	0
	ASCOMS Sidhra	Pvt Hospital	1	0	1	0	2	0	0	0	0
	Viveka Anand Hospital	Pvt Hospital	1	0	1	0	1	0	0	0	0
	SC - Sagoon	SC	1	0	1	0	2	0	0	0	0
	SC - Domana	SC	1	0	1	0	2	0	0	0	0
	Janipur	UHC	1	0	1	0	2	0	0	0	0
	Nanak Nagar	UHC	1	0	1	0	2	0	0	0	0
	Talab Tillo	UHC	1	0	1	0	2	0	0	0	0
	Bathindi	UHC	1	0	1	0	2	0	0	0	0
	Gujjar Nagar	UHC	1	0	1	0	2	0	0	0	0
	Sainik Colony	UHC	1	0	1	0	2	0	0	0	0
	Shashtri Nagar	UHC	1	0	1	0	2	0	0	0	0
Sidhra	UHC	1	0	1	0	2	0	0	0	0	
Subash Nagar	UHC	1	0	1	0	2	0	0	0	0	
Trikuta Nagar	UHC	1	0	1	0	2	0	0	0	0	
UHP Digiana	UHC	1	0	1	0	2	0	0	0	0	
Shakti Nagar	UHC	1	0	0	0	2	0	0	1	0	
Buffer stock: ILR RI 4NO Small and DF Small 07 No											
* Can be used for RI storage also											

**List of Electrical Cold Chain Equipment- ILR, DF, Covid\* ILR/DF, Solar ILR cum DF and stabilizer of district Samba**

District	Name of Cold Chain Point	Type of Cold Chain Point	Ice lined Refrigerator (ILR)		Deep Freezer		Automatic Voltage Stabilizers	Covid* ILR in built stabilizer		Covid* Deep Freezer with stabilizer	Solar ILR CUM Deep Freezer
			Small	Large	Small	Large		Small	Large		
Samba	DVS Samba	DVS	1	3	1	1	6	1	0	0	0
	MCH Samba	DH	4	0	2	0	6	0	0	0	0
	Ram Garh	CHC	2	2	1	1	6	1	0	0	0
	Vijay Pur	BVS	2	0	3	0	5	0	0	0	0
	Ghagwal	AH	3	0	1	0	4	0	0	0	0
	Dagore	PHC	1	0	1	0	2	0	0	0	0
	Gurha Slathia	PHC	1	0	2	0	2	0	0	0	0
	Samba HQ Nud	B HQ	0	1	1	0	2	1	0	0	0
	Bain Glar	PHC	2	0	1	0	2	0	0	0	0
	Nandpur	PHC	1	0	1	0	2	0	0	0	0
	NUD	PHC	1	0	1	0	2	0	0	0	0
	Purmandal	PHC	1	0	1	1	3	1	0	0	0
	Rahya	PHC	2	0	1	0	3	0	0	0	0
	Bari Brahamma	PHC	0	1	2	0	2	0	0	0	0
	Rattanpur	PHC	1	1	1	0	3	0	0	0	0
	Sangwal	NTPHC	1	0	1	0	2	0	0	0	0
	Sanoora	PHC	2	0	1	0	3	0	0	0	0
	Sumb	PHC	2	0	1	0	3	0	0	0	0
	Tarore	PHC	2	0	2	0	4	0	0	0	0
	Bari Khad	NTPHC	1	0	1	0	2	0	0	0	0
	Bassi Kalan	PHC	1	1	1	0	3	0	0	0	0
	Sangwali Mandi	PHC	1	0	0	0	1	0	0	0	0

Note: Buffer Stock at DVS Covid ILR(L)-03 , Covid ILR(S)-05 , D/F Covid-08 & D/F RI-01 & D/F Large Covid-02No and Refrigerator Tool kit for Technicians.  
 \* Can be used for RI storage also



**List of Electrical Cold Chain Equipment- ILR, DF, Covid\* ILR/DF, Solar ILR cum DF and stabilizer of district Udhampur**

District	Name of Cold Chain Point	Type of Cold Chain Point	Ice lined Referegerator (ILR)		Deep Freezer		Automatic Voltage Stabilizers	Covid* ILR in built stabilizer		Covid* Deep Freezer with stabilizer	Solar ILR CUM Deep Freezer
			Small	Large	Small	Large		Small	Large		
Udhampur	Dy.CMO Udhampur	DVS	1	1	2	2	6	1	0	0	0
	Tikri	PHC	2	0	2	0	4	1	0	0	0
	Tikri Udhampur	BVS	1	0	2	0	3	1	0	0	0
	Krimchi mansar	PHC	1	0	1	0	2	0	0	0	0
	Hartrayan	PHC	1	0	1	0	2	0	0	0	0
	Garhi	PHC	2	0	1	0	3	0	0	0	0
	Ramnagar	CHC	0	2	1	1	4	2	0	2	0
	Ghordi	PHC	1	0	1	0	2	1	0	1	0
	Bhugtrian	PHC	1	0	1	0	2	0	0	0	0
	Chanunta	PHC	2	0	1	0	3	0	0	0	0
	Rang	PHC	1	0	1	0	2	0	0	0	0
	Panchari	PHC	0	1	0	2	3	1	0	1	0
	Mounгри	PHC	2	1	0	0	3	0	1	1	0
	Lander	PHC	1	0	0	1	2	0	0	0	0
	Damnote	NTPHC	1	0	0	0	1	0	0	1	0
	Bariote	NTPHC	1	0	1	0	2	0	0	0	0
	Katti	AD	1	0	0	1	2	0	0	0	0
	Ladda	NTPHC	1	0	1	0	2	0	0	0	0
	Chenani	CHC	1	1	3	0	5	1	1	5	0
	Sudhmahadev	PHC	1	0	1	0	2	0	0	0	0
	Gharian	PHC	1	0	1	0	2	0	0	0	0
	Jakhani	PHC	1	0	1	0	2	0	0	0	0
	Kud	PHC	1	0	1	0	2	0	0	0	0
	Jaganoo	PHC	1	0	1	0	2	0	0	0	0
	Madha	PHC	1	0	1	0	2	0	0	0	0
	Majalta	PHC	2	0	0	2	4	1	1	0	0
	Mansar	PHC	1	0	2	0	3	0	1	0	0
	Khoon	PHC	2	0	1	0	3	0	0	0	0
	Thial	PHC	2	0	1	0	3	0	0	0	0
	Bharnara	PHC	1	0	3	0	4	0	1	0	0
	Basantgarh	BVS	0	1	1	0	2	1	0	1	0
	Latti	PHC	1	0	0	0	1	0	0	1	0
	Chattrari	PHC	2	0	1	0	3	0	0	0	0
	Jakhed	PHC	1	0	1	0	2	0	0	0	0
	Dudu Seri	NTPHC	1	0	1	0	2	0	0	0	0
	Dudu	NTPHC	1	0	1	0	2	0	0	0	0
Joffer	PHC	2	0	0	0	2	0	0	1	0	
DH Udhampur	DH	2	0	1	0	3	1	1	0	0	
Udhampur	FHO	2	0	2	0	3	0	0	0	0	
Note: 26 ILR's Standby/Buffer at Blocks ; Covid D/F 12 Buffer and 15 D/F Standby at Blocks. Refrigerator Tool Kit Stationed at DVS Udhampur for Technician. * Can be used for RI storage also											



**List of Electrical Cold Chain Equipment- ILR, DF, Covid\* ILR/DF, Solar ILR cum DF and stabilizer of district Rajouri**

District	Name of Cold Chain Point	Type of Cold Chain Point	Ice lined Referegerator (ILR)		Deep Freezer		Automatic Voltage Stabilizers	Covid* ILR in built stabilizer		Covid* Deep Freezer with stabilizer	Solar ILR CUM Deep Freezer
			Small	Large	Small	Large		Small	Large		
Rajouri	Budhal	PHC	1	0	1	0	2	0	0	0	0
	Samote	NTPHC	1	0	1	0	2	0	0	0	0
	Kandi	CHC	1	0	1	0	2	1	0	1	0
	Tralla	PHC	1	0	1	0	2	0	0	0	0
	Peeri	PHC	1	0	1	0	2	0	0	0	0
	Jamola	PHC	1	0	1	0	2	0	0	0	0
	Darhal	CHC	2	0	1	0	3	1	0	1	0
	Thanamandi	PHC	1	0	1	0	2	1	0	1	0
	Lah	PHC	1	0	1	0	2	0	0	0	0
	Harthal	SC	1	0	1	0	2	0	0	0	0
	Leerawali	NTPHC	1	0	1	0	2	0	0	0	0
	Shadra Sharief	PHC	1	0	1	0	2	0	0	0	0
	Manjakote	PHC	1	0	1	0	2	2	0	2	0
	Urban Health Centre Rajouri	UHC	1	0	1	0	2	1	0	1	0
	Gambir .Mouglan	PHC	1	0	1	0	2	0	0	0	0
	Kallar Chatyar	PHC	1	0	1	0	2	1	0	1	0
	Palma	PHC	1	0	1	0	2	0	0	0	0
	G.Bhrahmana	PHC	1	0	1	0	2	0	0	0	0
	Nowshera	SDH	2	0	1	1	4	1	0	1	0
	Lamberi	PHC	1	0	1	0	2	0	0	0	0
	Seeri	PHC	1	0	1	0	2	0	0	0	0
	Langer	PHC	1	0	1	0	2	0	0	0	0
	Laroka	PHC	1	0	1	0	2	0	0	0	0
	Chingus	PHC	1	0	1	0	2	0	0	0	0
	Bhwani	PHC	1	0	1	0	2	0	0	0	0
	District Hospital Rajouri	DH	1	0	1	0	2	1	0	1	0
	Kalakote	CHC	1	0	1	0	2	1	0	1	0
	Saranog	NTPHC	1	0	1	0	2	0	0	0	0
	Solki	SC	1	0	1	0	2	0	0	0	0
	Sialsui	PHC	1	0	1	0	2	0	0	0	0
	Tatapani	PHC	1	0	1	0	2	0	0	0	0
	Taryath	CHC	1	0	1	0	2	0	0	0	0
	Mouglan	PHC	1	0	1	0	2	0	0	0	0
	Kalkamithani	SC	1	0	1	0	2	0	0	0	0
	Khawas	PHC	1	0	1	0	2	0	0	0	0
	Dalhori	PHC	1	0	1	0	2	0	0	0	0
	Garan	PHC	1	0	1	0	2	0	0	0	0
	Suderbani	SDH	1	0	0	1	2	1	0	1	0
	Balshama	PHC	1	0	1	0	2	0	0	0	0
	Siot	PHC	1	0	1	0	2	0	0	0	0
	Upper Hathal	PHC	1	0	2	0	3	0	0	0	0
	Dy.CMO . Rajouri	DVS	4	3	0	1	8	2	0	1	0

Note:- Buffer stock in DVS Deep Freezer Small 07 Nos ,Large Deep Freezer 01, ILR Small 03 , ILR large 01 Covid ILR small -05 Covid ILR large-02 Nos .Refrigerator Tool Kit for Technician.

\* Can be used for RI storage also



List of Electrical Cold Chain Equipment- ILR, DF, Covid* ILR/DF, Solar ILR cum DF and stabilizer of district Doda													
District	Name of Cold Chain Point	Type of Cold Chain Point	Ice lined Referegerator (ILR)		Deep Freezer		Automatic Voltage Stabilizers	Covid* ILR in built stabilizer		Covid* Deep Freezer with stabilizer	Solar ILR CUM Deep Freezer	Standby Equipment	
			Small	Large	Small	Large		Small	Large			ILR	D/F
Doda	Distt.Hosp.Doda	DH	0	2	2	0	2	0	0	0	0	1	1
	Dy.CMO Office Doda	DVS	1	1	0	2	4	0	2	2	0	0	2
	Gandoh	CHC	2	1	2	0	2	1	0	0	0	2	1
	Assar	PHC	1	0	2	0	2	1	0	1	0	0	1
	Bhella	PHC	2	0	1	0	2	0	0	0	0	1	0
	Changa	NTPHC	1	1	1	0	2	0	1	1	1	1	0
	Chilly	NTPHC	2	0	1	0	2	0	0	1	0	1	0
	Shamti	NTPHC	1	0	1	0	2	0	0	0	0	0	0
	Ghat	PHC	3	0	0	1	3	0	1	1	0	1	0
	Goha	PHC	1	0	1	0	2	0	0	0	0	0	0
	Gundana	NTPHC	1	0	1	0	2	0	0	1	0	0	0
	Jhakyas	NTPHC	1	0	1	0	2	0	0	1	0	0	0
	Malanoo	PHC	3	0	1	0	2	0	0	0	0	2	0
	PremNagar	NTPHC	2	0	3	0	2	0	0	0	0	1	3
	Sartingal	NTPHC	1	0	1	0	2	0	0	1	0	0	0
	Bajja	SC	2	0	1	0	2	0	0	1	0	1	0
	Chinta	PHC	2	0	1	0	2	0	0	1	0	1	0
	Ganika	HWC	1	0	1	0	2	0	0	0	0	0	0
	Kahara	HWC	1	0	1	0	2	0	0	1	0	0	0
	Khellani	Trauma Hospital	0	0	1	0	1	2	0	1	0	0	0
	Bhadarwah	CHC	2	4	1	1	4	1	0	0	0	4	0
	Bhella	PHC	2	0	1	0	2	0	0	0	0	1	0
	Thateri	CHC	2	0	3	0	3	1	0	0	0	0	2
	Thanala	NTPHC	1	0	1	0	2	0	0	0	0	0	0
	Tipri	PHC	1	0	1	0	2	0	0	0	1	0	0
	Bagla	SC	1	0	1	0	2	0	0	0	0	0	0
	Bagwah	NTPHC	1	0	1	0	2	0	0	0	0	0	0
	Pranoo	NTPHC	1	0	1	0	2	0	0	0	0	0	0
Bharath	PHC	1	0	1	0	2	0	0	0	1	0	0	
Gai Desa	NTPHC	1	0	1	0	2	0	0	0	0	0	0	
Note: Refrigerator Tool Kit for Technician. * Can be used for RI storage also													



# Non-Electrical Cold Chain Equipment



**List of Non-Electrical Cold Chain Equipment- Cold Box, Vaccine Carrier & Thermometers of district Srinagar**

District	Name of Cold Chain Point	Type of Cold Chain Point	Cold Box		Vaccine Carrier	Thermometers
			Large (Ltrs)	Small (Ltrs)		
Srinagar	Gousia Hospital Khanyar	BVS	0	3	84	3
	Braine	CCP	0	0	30	4
	Rainwari	CCP	0	1	45	2
	Nehrupark/Abidal	CCP	0	0	30	2
	Hazratbal	SDH	0	2	38	2
	Harwan	UPHC	1	0	15	1
	Faqir Gujree	NTPHC	0	0	6	1
	Nishat	UPHC	0	1	10	3
	Tailbal	UPHC	5	5	10	2
	Batmaloo	UPHC	3	2	71	5
	Nowgam	PHC	0	1	8	2
	Mujgund	UPHC	0	1	15	2
	Laloo	PHC	0	0	12	2
	Humhama	UPHC	0	0	16	2
	Tangepora	NTPHC	0	0	30	2
	Lasjan	UPHC	0	0	6	2
	Lawapora/Trauma hospital	CCP	0	0	25	2
	Mehjoor Nagar	UPHC	0	0	10	1
	Khanmoh	PHC	0	1	19	2
	Natipora	HWC	0	0	6	2
	Panthachowk	UPHC	0	1	23	2
	Bemina	PHC	0	0	12	2
	Jawharnagar	HWC	0	0	19	2
	Chanapora	PHC	0	1	12	2
	Sanatnagar	MMC	0	0	31	2
	SRGunj	UPHC	1	1	100	1
	Habakadal	NTPHC	0	0	24	2
	Noorbagh	MMC	0	0	24	3
	Narwara	UPHC	0	0	16	2
	Palpora	UPHC	0	1	30	2
	Sangam	UPHC	0	0	27	2
	Bakhshipora	NTPHC	0	1	30	2
	Wanganpora	UPHC	0	0	46	1
	Zadibal BVS	PHC	1	0	57	4
	Burzahama	PHC	0	0	13	2
	Chaterhama	NTPHC	0	0	6	2
	Shalimar	UPHC	0	0	16	2
	Zakura	UPHC	0	0	16	2
	Sangeen Darwaza	UPHC	0	0	13	1
	Lal Bazar	UPHC	0	0	27	2
	GB Panth Hospital	Ass.Hospital	0	0	4	2
	WBC Soura	Ass.Hosp. with SKIMS	1	1	15	4
	JVC Hospital	Ass.Hosp.	1	0	3	2
	SMHS Hospital	Ass.Hosp.	0	1	6	2
	Police Hospital Batmaloo	Polce HQ	0	0	2	1
	Composite Hospital	BSF Hosp.	0	0	0	0
	135 SHO BB Cant	Army Hosp.	0	0	4	0
	LD Hospital	Ass.Hosp.	0	1	3	2
	JLNM Hospital	Ass.Hospital	0	1	12	6
	DVS Srinagar	DVS	1	0	5	8
	CMO Srinagar	For Covid Purpose	0	0	91	0
	Note : Vaccine Carrier total Balance at District Store: 275 & Cold Box L-01					

**List of Non-Electrical Cold Chain Equipment- Cold Box, Vaccine Carrier & Thermometers of district Budgam**

District	Name of Cold Chain Point	Type of Cold Chain Point	Cold Box		Vaccine Carrier	Thermometers
			Large (Ltrs)	Small (Ltrs)		
Budgam	SOIBUGH (BVS)	PHC	2	2	70	3
	WADWAN	PHC	0	1	60	2
	NAGAM	PHC	0	2	86	4
	CHARI-SHARIEF (BVS)	CHC	2	2	101	2
	PAKHARPORA	PHC	0	1	18	1
	CHATTERGAM	CHC	0	1	50	4
	KRALPORA	PHC	0	1	17	2
	POHROO	PHC	0	1	4	2
	CHADOORA (BVS)	SDH	1	0	72	3
	BUGAM	PHC	1	0	15	2
	SURASYAR	PHC	1	0	16	2
	DAD OMPORA	PHC	0	1	7	2
	BEERWAH	SDH	1	0	46	3
	GONDIPORA	PHC	1	0	61	1
	PETHKOT	PHC	0	1	20	1
	AARIPANTHAN	PHC	0	1	28	1
	UTTERPORA	PHC	1	0	23	1
	RATHSUN	PHC	1	0	16	1
	CHURMUJROO	PHC	0	1	4	1
	KHAG (BVS)	PHC	1	0	30	3
	POSHKAR	PHC	0	1	12	1
	LASSIPORA	PHC	0	1	9	1
	MAGAM (BVS)	SDH	2	1	113	3
	NARBAL	SDH	0	1	30	3
	KHANSAHIB (BVS)	CHC	1	0	110	2
	KREMSHORE	PHC	1	0	30	1
	WATIHAI	PHC	1	0	10	1
	KRALNEWA	PHC	0	1	12	1
	HARDPANZO	PHC	1	0	26	2
	OMPORA	PHC	1	0	47	2
	N.U.PORA	PHC	1	0	30	2
	ICHGAM	PHC	1	0	28	2
	SHOLIPORA	PHC	0	1	20	1
	BUDGAM BVS	MIC	1	0	20	1
District Hospital Budgam	DH	1	0	3	2	
DY.CMO BUDGAM	HQ	2	1	6	8	
Note:- Buffer Stock at District Store Budgam Cold Box Large-01 NOs Vaccine carrier 70 Nos						

**List of Non-Electrical Cold Chain Equipment- Cold Box, Vaccine Carrier & Thermometers of district Ganderbal**

District	Name of Cold Chain Point	Type of Cold Chain Point	Cold Box		Vaccine Carrier	Thermometers
			Large (Ltrs)	Small (Ltrs)		
Ganderbal	DH Ganderbal	DH	2	1	5	2
	BVS Ganderbal	BVS	1	1	10	2
	Shuhama	BVS	1	0	38	2
	Kachan	PHC	2	1	39	2
	Chundina	PHC	1	0	26	2
	Tulamulla	PHC	0	0	29	2
	Nunner	NTPHC	0	0	19	2
	Gutlibagh	NYPHC	0	0	15	2
	Well baby Clinic Kangan	CCP	2	0	75	2
	SDH Kangan	BVS	3	0	100	2
	Sonamarg	PHC	0	1	9	2
	Gund	PHC	0	1	13	2
	Kullan	PHC	0	1	30	2
	Ganiwan	PHC	0	1	15	2
	Wangath	PHC	0	0	15	2
	Chattergul	NTPHC	0	0	25	2
	Babanagri	PHC	0	0	24	2
	Wussan	PHC	0	0	11	2
	Manigam	PHC	1	1	24	2
	Lar/Block Store	PHC	2	2	45	2
	Watlar	MMC	0	1	14	2
	Safapora	PHC	1	0	24	2
	Koundbal	CCP	1	1	14	2
	Wakura/Block Store	BVS	1	0	88	2
	Batwina	PHC	0	1	22	2
	District Store/Buffer	DVS	2	0	10	4

**List of Non-Electrical Cold Chain Equipment- Cold Box, Vaccine Carrier & Thermometers of district Shopian**

District	Name of Cold Chain Point	Type of Cold Chain Point	Cold Box		Vaccine Carrier	Thermometers
			Large (Ltrs)	Small (Ltrs)		
Shopian	DVS Shopian	DVS	9	3	29	15
	RFWC Shopian	BVS Shopian	1	1	46	22
	PHC Vehil	CCP	1	1	109	3
	PHC Tukroo	CCP	1	0	6	1
	PHC Sedow	CCP	1	0	10	2
	PHC Herman	CCP	0	1	100	3
	NTPHC Pinjoora	CCP	1	0	22	2
	NTPHC Nadigam	CCP	0	1	4	2
	CHC Zainapora	BVS Zainapora	1	0	88	15
	PHC DK Pora	CCP	0	1	14	1
	NTPHC T Imam	CCP	0	1	22	1
	CHC Keller	BVS Keller	1	3	8	16
	PHC Berthipora	CCP	1	0	50	3
	NTPHC Gatipora	CCP	0	1	10	1
	SC T Wagam	CCP	0	1	2	2

**List of Non-Electrical Cold Chain Equipment- Cold Box, Vaccine Carrier & Thermometers of district Pulwama**

District	Name of Cold Chain Point	Type of Cold Chain Point	Cold Box		Vaccine Carrier	Thermometers
			Large (Ltrs)	Small (Ltrs)		
Pulwama	Dy CMO	DVS	1	1	10	3
	BVS Pulwama	BVS	1	1	80	3
	DH Pulwama	DH	0	0	8	2
	PHC Gulzarpora	PHC	0	0	13	2
	PHC Newa	PHC	0	1	22	2
	NTPHC Pinglena	NTPHC	0	0	30	2
	PHC Panzgam	PHC	0	0	18	2
	PHC Tahab	PHC	0	1	55	2
	PHC Wasoora	PHC	0	0	12	2
	NTPHC N.B Pora	NTPHC	0	0	14	2
	PHC Litter	PHC	0	0	48	2
	NTPHC Koil	NTPHC	0	0	9	2
	BVS Pampore	BVS	1	1	122	3
	PHC Awantipora	PHC	1	0	25	2
	PHC Kakapora	PHC	0	0	22	2
	PHC Khrew	PHC	0	1	27	1
	PHC Ladhoo	PHC	0	0	18	1
	PHC Lajurah	PHC	0	0	18	2
	PHC Konibal	PHC	0	0	24	1
	PHC Samboora	PHC	0	0	18	2
	PHC Wuyan	PHC	0	0	22	1
	PHC Parigam	PHC	0	1	22	2
	NTPHC Nehama	NTPHC	0	0	4	1
	BVS Tral	BVS	0	1	161	6
	PHC Aripal	PHC	0	1	29	1
	NTPHC Batagund	NTPHC	0	1	23	2
	PHC Dadasara	PHC	0	1	44	2
	NTPHC Charsoo	NTPHC	0	1	35	2
	NTPHC Satoora	NTPHC	0	1	6	2
	NTPHC Noorpora	NTPHC	0	1	25	2
	BVS Rajpora	BVS	1	0	35	2
	NTPHC Abhama	NTPHC	1	0	8	2
	PHC Rahmoo	PHC	1	0	28	2
	PHC Sangerwani	PHC	1	0	27	2
	NTPHC Hawl	NTPHC	1	0	35	2

**List of Non-Electrical Cold Chain Equipment- Cold Box, Vaccine Carrier & Thermometers of district Anantnag**

District	Name of Cold Chain Point	Type of Cold Chain Point	Cold Box		Vaccine Carrier	Thermometers
			Large (Ltrs)	Small (Ltrs)		
Anantnag	Achabal	PHC	5	0	106	2
	Monghall	NTPHC	1	0	18	2
	Tailwani	NTPHC	0	2	23	2
	Brakpora	PHC	0	1	46	2
	Donipawa	UPHC	1	0	18	2
	Dialgam	NTPHC	0	1	34	2
	Nathpora	UPHC	0	1	18	2
	Pehroo	UPHC	0	1	18	2
	Anchidora	PHC	0	1	41	2
	JBM Hospital Pvt	Pvt Hosp	0	2	2	2
	Bijbehara	SDH	1	0	95	2
	Marhama	PHC	0	1	30	2
	Sirhama	PHC	2	0	26	2
	K Kalan	PHC	0	1	22	2
	Veer	NTPHC	0	1	24	2
	Khiram	PHC	0	1	37	2
	Akingam	PHC	0	1	41	2
	Sagam	PHC	0	1	25	2
	Wandevalgum	PHC	1	0	49	2
	Larnoo	PHC	0	5	55	2
	Kokernag	SDH	1	0	40	2
	Mattan	PHC	0	1	110	2
	Seer	SDH	1	0	40	2
	Salia	PHC	0	2	11	2
	Hapatnad	PHC	0	2	14	2
	Silgam	PHC	0	1	9	2
	Ashmuqam	PHC	1	0	23	2
	Saller	PHC	0	1	78	2
	Sirgufwara	PHC	0	1	43	2
	Awoora	PHC	0	1	33	2
	Pahalgam	NTPHC	0	1	20	2
	Shangus	SDH	3	0	90	2
	Nowgam	PHC	0	3	29	2
	Ranipora	PHC	0	1	22	2
	Chittergul	PHC	0	1	35	2
	Verinag	PHC	0	1	60	2
	Qamer	PHC	0	1	10	2
	Larkipora	NTPHC	0	1	44	2
	Hakura	PHC	0	1	53	2
	MCCH Ang	DH	1	0	6	2
	DVS	DH	2	2	70	5
	Door	SDH	0	2	17	2





**List of Non-Electrical Cold Chain Equipment- Cold Box, Vaccine Carrier & Thermometers of district Baramulla**

District	Name of Cold Chain Point	Type of Cold Chain Point	Cold Box		Vaccine Carrier	Thermometers
			Large (Ltrs)	Small (Ltrs)		
Baramulla	Kreeri BVS	CHC	3	3	86	3
	Kalantara	PHC	1	1	16	2
	Shrakwara	PHC	1	1	16	2
	Rohama (BVS)	CHC	3	2	96	3
	Shitloo	NTPHC	1	1	16	1
	Panzla	PHC	1	1	20	1
	Duroo	PHC	1	1	12	1
	Ladoora	PHC	1	1	12	1
	Chankhan	UPHC	1	1	12	1
	Tujjar	PHC	0	1	16	1
	Sopore	CHC	1	1	137	1
	Bomai	PHC	0	1	12	1
	Sopore	MCH	1	1	16	1
	Tangmarg BVS	CHC	1	3	96	2
	Hariwatnoo	PHC	1	1	16	2
	Sheeri	PHC	3	3	96	2
	Fatehgarh	PHC	1	1	12	2
	Heevan	NTPHC	1	1	12	2
	Baramulla	UPHC	1	1	12	2
	Delina	PHC	1	1	12	2
	Singhpura	PHC	1	1	12	2
	Khaitangan	PHC	1	1	16	2
	Chandoosa	CHC	1	1	20	2
	Boniyar BVS	PHC	1	0	76	4
	Trikanjan	PHC	0	1	12	4
	Bijhama	PHC	1	1	16	1
	Wanigam	PHC	0	1	16	0
	Singhpura	SHC	0	1	30	2
	GK Kasim	PHC	0	1	20	2
	Palhalan	AD	0	0	20	5
	Pattan BVS	CHC	1	2	166	4
	Dangiwachha	PHC	2	2	156	4
	Behrampora	PHC	0	1	20	2
	Baramulla Distt Hosp.	PHC	1	2	8	2
	District Vaccine Store DVS	DVS	2	2	168	5
	Mulgam	PHC	0	0	10	1
	Hardaboora	PHC	0	0	20	2
	Khore	PHC	0	0	12	1
	Seriwarpora	PHC	0	0	8	1
	Kunzer BVS	PHC	1	1	166	3
	Sultandaki	CHC	1	0	16	1
	Kamalkote	PHC	0	0	16	1
	Uri BVS	PHC	1	3	80	1
	Danisydan	NTPHC	0	0	16	1
	Mohura	NTPHC	2	0	12	1
	Nambla	NTPHC	0	0	12	1
	Isham	NTPHC	1	0	12	1
	St. Joseph Hopsital	Pvt Hosp.	0	0	4	2
	Note: Buffer Stock Vaccine Carrier-168 available at District Store					

**List of Non-Electrical Cold Chain Equipment- Cold Box, Vaccine Carrier & Thermometers of district Kupwara**

District	Name of Cold Chain Point	Type of Cold Chain Point	Cold Box		Vaccine Carrier	Thermometers
			Large (Ltrs)	Small (Ltrs)		
Kupwara	Kupwara DVS	DVS	2	0	5	3
	Trehgam PHC	PHC	1	1	99	2
	Awoora NTPHC	NTPHC	1	0	6	1
	Kupwara BVS	SDH	0	1	176	1
	Gunipora NTPHC	NTPHC	0	1	7	1
	Shatpora NTPHC	NTPHC	1	0	6	1
	Nagri NTPHC	NTPHC	1	0	5	1
	Drugmulla NTPHC	NTPHC	0	1	20	2
	Kandi NTPHC	NTPHC	0	1	5	1
	Gushi ntpc	NTPHC	0	1	8	1
	Nowgam PHC	PHC	0	1	10	1
	kalamabad NTPHC	NTPHC	1	0	45	1
	Ashpora NTPHC	NTPHC	1	0	35	1
	Kralgund CHC	CHC	1	1	40	1
	Unisoo NTPHC	NTPHC	0	1	40	1
	Langate CHC	CHC	0	1	50	1
	Monbal NTPHC	NTPHC	1	0	8	1
	Kralpora CHC	CHC	1	0	140	1
	Panzgam NTPHC	NTPHC	1	0	10	1
	Keran PHC	PHC	1	0	12	2
	Harri NTPHC	NTPHC	1	0	6	1
	Tangdar SDH	SDH	0	1	90	3
	Gabra NTPHC	PHC	0	1	5	1
	Chitter Kote	NTPHC	0	1	5	1
	Teetwal NTPHC	NTPHC	1	0	5	1
	Villgam PHC	PHC	1	0	120	1
	Tarthpora NTPHC	NTPHC	1	0	15	1
	Kukroosa NTPHC	NTPHC	1	0	15	1
	Zachaldara CHC	CHC	1	0	40	2
	Wadipora NTPHC	NTPHC	1	0	32	1
	Wadder NTPHC	NTPHC	0	1	8	1
	Behnipora NTPHC	NTPHC	0	1	40	1
	Kalaroos PHC	PHC	1	0	20	3
	Dudi	PHC	0	1	12	1
	Chowgal	NTPHC	1	1	14	1
	Magam NTPHC	PHC	1	0	18	1
	Nutnusa NTPHC	NTPHC	1	0	12	1
	Batpora NTPHC	NTPHC	0	1	14	1
	Handwara DH	DH	0	1	18	1
	Sogam SDH	SDH	1	1	190	4
	Cherkote NTPHC	NTPHC	0	1	14	1
	Maindanpora NTPHC	NTPHC	1	0	16	1
	Lalpora NTPHC	NTPHC	0	1	48	1
	Tekipora NTPHC	NTPHC	1	1	30	1

**List of Non-Electrical Cold Chain Equipment- Cold Box, Vaccine Carrier & Thermometers of district Bandipora**

District	Name of Cold Chain Point	Type of Cold Chain Point	Cold Box		Vaccine Carrier	Thermometers
			Large (Ltrs)	Small (Ltrs)		
Bandipora	DVS Bandipora	HQ	2	2	100	10
	BVS Bandipora	BVS	2	0	125	8
	Ashtangoo	PHC	1	0	10	2
	Hajan BVS	CHC	1	0	69	5
	Sumbal	CHC	1	0	56	4
	Shadipora	UD	0	1	6	2
	Nowgam	PHC	1	0	8	3
	Naidkhai	PHC	0	1	10	3
	Ajas	PHC	0	1	12	4
	Dawar	CHC	1	0	38	6
	Bagtore	PHC	0	1	16	3
	Bumai	NTPHC	0	1	15	2
	Sheikhpora	PHC	0	1	12	2
	Badugam	PHC	0	1	12	2
	Kahzalwan	NTPHC	0	1	9	3
	Baduab	SC	0	1	10	2
	Gujran	NTPHC	0	1	9	3

**List of Non-Electrical Cold Chain Equipment- Cold Box, Vaccine Carrier & Thermometers of district Poonch**

District	Name of Cold Chain Point	Type of Cold Chain Point	Cold Box		Vaccine Carrier	Thermometers
			Large (Ltrs)	Small (Ltrs)		
Poonch	Mendhar BVS	BVS	2	1	25	4
	Chatral	PHC	1	0	40	2
	Mankote	PHC	1	0	56	2
	Harni	PHC	2	0	30	2
	Bhatadurian	PHC	2	0	28	2
	Dhargloon	PHC	2	0	43	2
	Mandi	BVS	3	2	40	3
	Loran	PHC	1	0	23	2
	Sawjian	PHC	1	0	26	2
	Chandak	PHC	1	1	37	2
	Bandichechain	PHC	1	0	50	2
	Ajote	PHC	2	0	40	2
	Mangnar	PHC	2	0	55	2
	Surankote	BVS	5	3	40	8
	Chandimarh	PHC	1	1	35	2
	Bufiaz	PHC	2	2	25	2
	Faziabad	PHC	1	1	23	2
	Lassana	PHC	2	1	40	4
	Hari Marhote	PHC	1	2	20	2
	RFWC Poonch	RFWC	0	1	2	2
	Poonch	DVS	4	4	97	11

Note: 20 Vaccine Carriers Buffer in BVS Surankote

List of Non-Electrical Cold Chain Equipment- Cold Box, Vaccine Carrier & Thermometers of district Jammu						
District	Name of Cold Chain Point	Type of Cold Chain Point	Cold Box		Vaccine Carrier	Thermometers
			Large (Ltrs)	Small (Ltrs)		
Jammu	APHC - NTPHC Sidhra	NTPHC	0	1	10	2
	CANTONMENT - Military Hospital	Hospital	0	0	25	1
	CANTONMENT - 136 SHO Satwari	Hospital	1	2	43	3
	CANTONMENT - 166 Military Hospital	Hospital	1	1	8	2
	CANTONMENT - 85 FHO Nagrota	Hospital	1	1	3	1
	CANTONMENT - CRFP Hospital Bantalab	Hospital	0	0	6	1
	CANTONMENT - GB Pant Hospital Satwari	Hospital	0	0	8	1
	AD Khour	CHC	1	1	30	2
	Akhnoor	CHC	1	1	190	3
	Bishnah	CHC	2	3	65	3
	CHC Marh	CHC	1	1	120	3
	RS Pura	CHC	2	2	215	3
	Jourian	PHC	1	1	2	2
	Sohanjana	PHC	1	1	95	2
	DIST HOSP - Gandhi Nagar Hospital	DH	0	0	7	1
	Dy CMO Office Jammu	DVS	5	10	280	12
	Municipality vaccination centre	MC	0	0	27	3
	UHP Talab Khatikan	other	0	0	9	1
	AH Chowki Choura	other	1	2	125	3
	Air Force Station Hospital	other	0	0	2	1
	Frontier Hospital BSF Camp Plaoura	other	0	0	4	1
	GOVT. Hospital Sarwal	other	0	1	6	1
	Govt. Rajiv Gandhi Hospital	other	0	0	7	2
	Red Cross society Jammu	other	0	0	4	1
	SMGS Hospital	other	0	0	8	1
	Gole Gujral	PHC	0	1	4	2
	Mishriwala	PHC	0	1	20	2
	Nagrota	PHC	0	1	19	1
	PHC Rathana Morh	PHC	0	1	6	1
	Amb Garota	PHC	1	0	20	2
	Badyal Brahmana	PHC	0	1	5	2
	Chowadhi	PHC	0	1	15	1
	Dablehar	PHC	0	1	5	2
	Gangyal	PHC	0	2	20	1
	Kanachak	PHC	0	1	12	2
	PHC Keri	PHC	0	1	21	3
	Kot Bhalwal	PHC	2	2	124	3
	Mera Mandrian	PHC	1	1	25	1
	Miran Sahib	PHC	0	1	4	2
	NTPHC Chatha	NTPHC	0	0	12	1
	Gura Manahasa	NTPHC	0	1	12	1
	Pindi Charakan	NTPHC	0	1	32	2
	PHC phinder	PHC	0	1	18	1
	PHC Arnia	PHC	1	0	32	2
	Bagwati Nagar	PHC	0	0	2	0
	PHC Barore	PHC	0	0	5	1
	PHC Bhour Camp	PHC	0	0	4	1

**List of Non-Electrical Cold Chain Equipment- Cold Box, Vaccine Carrier & Thermometers of district Jammu**

District	Name of Cold Chain Point	Type of Cold Chain Point	Cold Box		Vaccine Carrier	Thermometers
			Large (Ltrs)	Small (Ltrs)		
Jammu continued...	PHC chakrohi	PHC	0	1	4	2
	PHC Chibba	PHC	0	1	6	2
	PHC Danger	PHC	1	0	16	2
	Dansal	PHC	2	2	110	2
	Ghao Manhasa	PHC	0	1	12	1
	Jagti	PHC	0	0	12	3
	PHC Jindrah	PHC	0	1	10	2
	PHC jogwan	PHC	0	1	12	2
	PHC KATHAR	PHC	0	1	8	1
	PHC karah	PHC	0	1	5	1
	PHC Muthi	PHC	0	0	6	2
	PHC pallanwala	PHC	1	1	110	3
	PHC Pargwal	PHC	1	1	62	2
	PHC PURKHOO (Migrant)	PHC	0	0	6	2
	PHC Sungal	PHC	0	1	7	1
	PHC Rehal	PHC	0	1	32	2
	PHC Sai	PHC	0	1	4	1
	PHC Salehar	PHC	0	1	22	1
	PHC Satrian	PHC	0	1	6	1
	Simbal Camp	PHC	0	1	5	2
	Sohal	PHC	1	1	2	1
	Police Headquarter Gandhi Nagar	Police Hospital	0	0	5	2
	ASCOMS Sidhra	Pvt Hospital	0	0	2	1
	Viveka Anand Hospital	Pvt Hospital	0	0	3	1
	SC - Sagoon	SC	0	0	6	2
	SC - Domana	SC	1	1	9	1
	Janipur	UHC	0	0	50	2
	Nanak Nagar	UHC	0	0	34	3
	Talab Tillo	UHC	0	0	34	3
	Bathindi	UHC	0	0	37	2
	Gujjar Nagar	UHC	0	0	52	3
	Sainik Colony	UHC	0	0	30	3
	Shashtri Nagar	UHC	0	0	58	3
	Sidhra	UHC	0	0	6	2
	Subash Nagar	UHC	0	0	45	3
	Trikuta Nagar	UHC	0	0	59	3
	UHP Digiana	UHC	0	0	22	2
	Shakti Nagar	UHC	0	0	37	2

**List of Non-Electrical Cold Chain Equipment- Cold Box, Vaccine Carrier & Thermometers of district Samba**

District	Name of Cold Chain Point	Type of Cold Chain Point	Cold Box		Vaccine Carrier	Thermometers
			Large (Ltrs)	Small (Ltrs)		
Samba	Samba DH	DVS	5	0	131	16
	MCH Samba	Distt.Hospital	8	1	21	2
	Ram Garh	CHC	9	9	154	4
	Vijay Pur	CHC	2	3	25	4
	Ghagwal	AH	3	0	29	3
	Dagore	PHC	1	0	15	2
	Barikhad	PHC	1	1	11	2
	Gorhaslathia	PHC	1	2	14	2
	Samba HQ Nud	Block HQ	1	0	135	2
	Nandpur	PHC	1	2	15	2
	Nud	PHC	1	0	36	2
	parMandal	PHC	2	2	124	2
	Rahya	PHC	1	1	20	2
	Baib Glar	PHC	0	1	30	2
	Ratanpur	PHC	1	0	18	2
	Sanora	PHC	2	0	14	2
	Sumb	PHC	1	0	45	3
	Tarore	NTPHC	1	1	28	3
	Bari Brahmana	PHC	2	1	40	3

**List of Non-Electrical Cold Chain Equipment- Cold Box, Vaccine Carrier & Thermometers of district Doda**

District	Name of Cold Chain Point	Type of Cold Chain Point	Cold Box		Vaccine Carrier	Thermometers
			Large (Ltrs)	Small (Ltrs)		
Doda	Distt.Hosp.Doda	DH	2	0	30	2
	Dy.CMO Office Doda	DVS	2	1	25	7
	Gandoh	CHC	1	2	84	3
	Assar	PHC	2	2	90	2
	Bhalla	PHC	2	0	33	2
	Changa	NTPHC	1	0	78	2
	Chilly	NTPHC	0	0	44	2
	Shamti	NTPHC	0	0	14	2
	Ghat	PHC	1	1	138	2
	Goha	PHC	0	0	30	2
	Gundha	NTPHC	0	1	26	3
	Jhakyas	NTPHC	0	0	34	2
	Malanoo	PHC	1	0	26	2
	PremNagar	NTPHC	1	0	26	2
	Sartingal	NTPHC	2	0	25	2
	Bhagwa	NTPHC	1	2	28	2
	Pranoo	NTPHC	0	0	16	2
	Ganika	SWC	0	0	13	2
	Kahara	SWC	0	0	30	2
	Khellani	Trauma Hospital	1	1	29	2
	Bhadarwah	CHC	2	1	170	2
	Bhella	PHC	0	0	32	2
	Thateri	CHC	1	0	96	3



**List of Non-Electrical Cold Chain Equipment- Cold Box, Vaccine Carrier & Thermometers of district Udhampur**

District	Name of Cold Chain Point	Type of Cold Chain Point	Cold Box		Vaccine Carrier	Thermometers
			Large (Ltrs)	Small (Ltrs)		
Udhampur	Dy.CMO Udhampur	DVS	2	0	40	30
	Tikri	PHC	0	1	15	2
	Tikri Udhampur	BVS	1	1	160	4
	Krimchi mansar	PHC	0	0	1	2
	Hartrayan	PHC	1	1	20	0
	Garhi	PHC	0	2	26	2
	Ramnagar	CHC	3	10	160	7
	Ghordi	PHC	2	2	20	4
	Bhugtrian	PHC	0	0	2	2
	Chanunta	PHC	0	0	2	2
	Rang	PHC	0	0	2	2
	Panchari	PHC	2	4	72	2
	Moungri	PHC	1	1	23	4
	Lander	PHC	1	0	34	2
	Damnate	NTPHC	0	0	5	2
	Bariote	NTPHC	0	0	3	2
	Katti	AD	0	0	3	3
	Ladda	NTPHC	0	0	10	2
	Chenani	CHC	5	0	86	5
	Sudhmahadev	PHC	0	1	14	2
	Gharian	PHC	0	0	9	2
	Jakhani	PHC	0	1	14	2
	Kud	PHC	0	0	7	2
	Jaganoo	PHC	0	0	5	2
	Madha	PHC	0	0	5	2
	Majalta	PHC	4	1	107	5
	Mansar	PHC	0	1	4	3
	Khoon	PHC	1	1	17	2
	Thial	PHC	0	1	6	2
	Bharnara	PHC	0	2	16	2
	Basantgarh	BVS	0	3	110	4
	Latti	PHC	0	1	10	2
	Chattrari	PHC	0	1	10	3
	Jakhed	PHC	0	1	10	2
	Dudu Seri	NTPHC	0	0	1	2
	Dudu	NTPHC	0	0	1	2
	Joffer	PHC	0	0	1	3
	DH Udhampur	DH	1	1	5	4
	Udhampur	CCP	0	0	20	5

**List of Non-Electrical Cold Chain Equipment- Cold Box, Vaccine Carrier & Thermometers of district Reasi**

District	Name of Cold Chain Point	Type of Cold Chain Point	Cold Box		Vaccine Carrier	Thermometers
			Large (Ltrs)	Small (Ltrs)		
Reasi	Reasi DVS	DVS	2	2	3	4
	Reasi DH	CCP	0	0	2	4
	Reasi BMO office	BVS	4	2	62	4
	Tota	PHC	2	1	14	2
	Katra	CHC	5	3	106	3
	Pouni	PHC	0	1	40	6
	Bharakh	PHC	0	1	14	3
	Lalter	PHC	0	1	19	3
	Ransoo	PHC	0	1	18	2
	Panassa	PHC	0	1	38	4
	Jij	NTPHC	0	1	19	4
	Mahore	CHC	1	2	80	7
	Arnas	PHC	1	1	20	2
	Dharmari	PHC	2	1	20	2
	Gota	PHC	1	1	20	4

**List of Non-Electrical Cold Chain Equipment- Cold Box, Vaccine Carrier & Thermometers of district Kishtwar**

District	Name of Cold Chain Point	Type of Cold Chain Point	Cold Box		Vaccine Carrier	Thermometers
			Large (Ltrs)	Small (Ltrs)		
Kishtwar	Kishtwar	DVS	6	4	215	14
	Kishtwar	BVS	5	2	161	3
	MCH Kisthwar	DH	1	0	2	4
	Chatroo	BVS	2	1	90	8
	Dachhan	BVS	1	1	33	2
	Padder	BVS	2	1	110	2
	Keeru	PHC	1	0	20	3
	Nali	PHC	2	0	18	2
	Sigdi	NTPHC	1	0	3	2
	Marwah	CHC	1	0	14	2
	Afti	PHC	1	0	13	2

**List of Non-Electrical Cold Chain Equipment- Cold Box, Vaccine Carrier & Thermometers of district Kathua**

District	Name of Cold Chain Point	Type of Cold Chain Point	Cold Box		Vaccine Carrier	Thermometers
			Large (Ltrs)	Small (Ltrs)		
Kathua	District Hospital	GMC	0	2	6	4
	SDH Hira nagar	CHC	2	0	52	4
	PHC Dinga amb	PHC	0	1	12	2
	PHC Marheen	PHC	0	1	31	2
	PHC Haria Chack	PHC	1	1	22	2
	Subcentre Hira Nagar Morh	SC	0	0	22	2
	Subcentre Banu ckak	SC	0	1	12	2
	Subcentre Chhan Rorion	SC	1	1	35	2
	NTPHC Chakra	NTPC	0	1	25	2
	SDH Parole	CHC	2	5	236	4
	PHC Dhanni	PHC	0	2	31	2
	PHC Barwal	PHC	0	1	22	4
	PHC Kharote	PHC	0	1	17	4
	PHC Lakhanpur	PHC	1	1	38	4
	PHC Budhi	PHC	1	1	14	2
	UPHC Krishna Colony	UPHTC	0	0	8	2
	Mahtma Gandhi Hospital Kathua	PHC	0	0	2	2
	NTPHC Phalote	NTPC	0	0	11	2
	SDH Basholi	CHC	2	1	13	4
	PHC Mahanpur	PHC	0	0	20	4
	PHC Sannghat	PHC	0	1	7	2
	PHC Karanwara	PHC	0	0	0	2
	PHC Sandar	PHC	0	0	0	2
	PHC Bhoond	PHC	0	1	7	2
	PHC Hutt	PHC	2	0	12	2
	NTPHC Plassi	NTPHC	0	1	8	2
	SDH Bilawar	CHC	0	0	5	4
	PHC Ramkote	PHC	1	0	40	2
	PHC Khog	PHC	0	0	18	2
	PHC Lohai	PHC	0	0	20	1
	PHC Machhedi	PHC	0	0	15	1
	Subcentre Tharakalwal	SC	1	1	43	1
	Badhu	PHC	0	2	14	1
	SDH Bani	CHC	2	2	120	1
	PHC Loweng	PHC	0	0	15	5
	DVS	STORE	6	2	260	20

**List of Non-Electrical Cold Chain Equipment- Cold Box, Vaccine Carrier & Thermometers of district Ramban**

District	Name of Cold Chain Point	Type of Cold Chain Point	Cold Box		Vaccine Carrier	Thermometers
			Large (Ltrs)	Small (Ltrs)		
Ramban	PHC Rajgarh	PHC	1	1	17	2
	SC Dalwas	SC	0	0	14	2
	BVS Chanderkote	BVS	1	1	30	2
	DH Ramban	DH	1	0	16	5
	DVS Ramban	DVS	1	0	30	2
	CHC Gool	CHC	1	1	35	4
	PHC Sangaldaan	PHC	0	1	20	4
	PHC Ukhral	PHC	1	1	69	2
	PHC Ramssoo	PHC	0	1	48	2
	PHC Khari	CHC	0	1	24	2
	CHC Banihal	SC	1	1	36	4
	SC Tethar	SC	1	1	11	2
	SC Lambar	SC	0	1	12	2
	SC Chamalwas	SC	0	1	11	2
	PHC Mangit	PHC	0	1	13	2
	MAC Doligam	MAC	1	0	14	2
	CHC Batote	CHC	1	1	30	2
	Maitra	NTPHC	0	1	13	1
	Neera	HWC	0	1	13	1
	Bhatni	PHC	0	2	14	2

**List of Non-Electrical Cold Chain Equipment- Cold Box, Vaccine Carrier & Thermometers of district Rajouri**

District	Name of Cold Chain Point	Type of Cold Chain Point	Cold Box		Vaccine Carrier	Thermometers
			Large (Ltrs)	Small (Ltrs)		
Rajouri	Budhal	PHC	2	2	8	2
	Samote	NTPHC	1	1	6	1
	Kandi	CHC	2	3	12	2
	Tralla	PHC	1	2	10	2
	Peeri	PHC	1	2	12	2
	Swari	NTPHC	1	1	6	2
	Jamola	PHC	1	2	10	2
	Darhal	CHC	3	2	100	3
	Thanamandi	PHC	7	1	51	3
	Lah	PHC	1	0	4	2
	Harthal	S/C	0	0	2	2
	Leerawali	NTPHC	0	1	44	2
	Shadra Sharief	PHC	0	1	7	2
	Manjakote	PHC	5	2	75	3
	Urban Health Centre Rajouri	UHC	2	1	80	3
	G.Mouglan	PHC	1	1	22	2
	Kallar Chatyar	PHC	1	1	22	3
	Palma	PHC	0	0	5	0
	G.Bhrahmana	PHC	0	0	5	0
	Nowshera	SDH	9	9	60	2
	Lamberi	PHC	0	0	11	2
	Seeri	PHC	0	0	16	2
	Langer	PHC	0	0	13	2
	Laroka	PHC	0	0	11	2
	Chingus	PS/C	0	0	13	2
	Bhhwani	PHC	0	0	5	2
	District Hospital Rajouri	DH	2	0	3	3
	Kalakote	CHC	2	5	60	3
	Taryath	CHC	2	2	50	2
	Mouglan	PHC	0	0	22	2
	Kalkamitha	S/C	0	0	8	2
	Khawas	PHC	0	0	5	2
	Dalhori	PHC	0	0	3	2
	Garan	PHC	0	0	2	2
	Suderbani	SDH	3	0	60	3
	Balshama	PHC	1	0	4	2
	Siot	PHC	1	0	15	2
	Upper Hathal	PHC	1	0	2	3
	Dy.CMO . Rajouri	DVS	6	0	191	9

Note Buffer at DVS 06 Cold Box

Table3: Division Wise Status of Electrical Cold Chain Equipment -WIC, WIF, ILR & DF of J&K													
S.No	Province	State Vaccine Store (SVS)	Type of Cold Chain Point	Walk-in Cooler with stabilizer and Genset	Walk-In-Freezer with stabilizer and Genset	Automatic Voltage Stabilizers	ILR (Ice Lined refrigerator)		Deep Freezer		Covid ILR With Stabilizer		Covid Deep freezer
				Cubic Meters (16.5)	Cubic Meters (16.5)		Small	Large	Small	Large	Small (99ltrs )	Large (225 ltrs)	
1	Kashmir	1.Provisional Medical Stores Barzulla Srinagar 2. JKMSCL (Health Department Bemina)	Divisional Store (SVS)	2	1	5	0	2	0	3	0	3	0
2	Jammu	Provisional Medical Stores Jammu	Divisional Store (SVS)	3	2	9	0	0	0	6	1	2	0

Table 4: Cold Chain Supplies at SVS

Jammu Division			
Covid Cold Chain Supplies Buffer Stock at Family Welfare Store Nagrota Jammu		Routine Immunization Supplies Buffer Stock at FW Store Nagrota Jammu	
Deep Freezer Large Godrej	1	Deep Freezer Small Vest Frost	1
Deep Freezer Large Vest Frost	3	ILR Large Vest Frost	2
Deep Freezer Small Godrej	20	Vaccine Carrier	80
Deep Freezer Small Remi	18	Stabilizer	110
ILR large Godrej	5		
ILR Small Godrej	36		
Vaccine Carrier	743		
Thermometer	1515		
Kashmir Division			
Covid Cold Chain Supplies Buffer Stock at Family Welfare Store Barzulla Srinagar		Routine Immunization Cold Chain Supplies Buffer Stock at Family Welfare Store Barzulla Srinagar	
Deep Freezer Large Godrej	1	Deep Freezer Large Haier	5
ILR Large Godrej	2	Deep Freezer Small Vest Frost	7
ILR Small Godrej	1	Deep Freezer Small Haier	22
Vaccine Carrier	329	ILR Large Vest Frost	20
ColdBox Large	17	ILR Small Vest Frost/Haier	10
Thermometer	1130	Cold Box Small	5
		Stabilizer	224

## 8. National Immunization Schedule

National Immunization Schedule for infants, children and pregnant women is shown below in Table 5

Vaccine	Due age	Max age	Dose	Diluent	Route	Site
For Pregnant Women						
<b>TT-1</b>	Early in pregnancy	Give as early as possible in pregnancy	0.5 ml	NO	Intra-muscular	Upper Arm
<b>TT-2*</b>	4 weeks after TT-1*	-	0.5 ml	NO	Intra-muscular	Upper Arm
<b>TT- Booster</b>	If received 2 TT doses in a pregnancy within the last 3 years*	-	0.5 ml	NO	Intra-muscular	Upper Arm
<b>BCG</b>	At birth	till one year of age	(0.05 ml until 1 month) 0.1ml Beyond age 1 month	YES Manufacturer supplied diluent (Sodium chloride)	Intra-dermal	Upper Arm - LEFT
<b>Hepatitis B - Birth dose</b>	At birth	within 24 hours	0.5 ml	NO	Intra-muscular	Antero-lateral side of mid-thigh - LEFT
<b>OPV-0</b>	At birth	within the first 15 days	2 drops	-	Oral	Oral

Vaccine	Due age	Max age	Dose	Diluent	Route	Site
For Infants						
OPV 1, 2 & 3	At 6 weeks, 10 weeks & 14 weeks	till 5 years of age	2 drops	-	Oral	Oral
Pentavalent 1, 2 & 3** (Diphtheria+ Pertussis + Tetanus + Hepatitis B + Hib)	At 6 weeks, 10 weeks & 14 weeks**	1 year of age	0.5 ml	NO	Intra- musc ular	Antero- lateral side of mid- thigh - LEFT
Fractional IPV (Inactivated Polio Vaccine)	At 6 & 14 weeks	1 year of age	0.1 ml	NO	Intra- derm al	Upper Arm - RIGHT
Rotavirus† (Where applicable)	At 6 weeks, 10 weeks & 14 weeks	1 year of age	5 drops	NO	Oral	Oral
Pneumococca l Conjugate Vaccine (PCV) (Where applicable)	At 6 weeks & 14 weeks At 9 completed months - booster	1 year of age	0.5 ml	NO	Intra- musc ular	Antero- lateral side of mid- thigh - RIGHT
Measles / Rubella 1st dose ##	At 9 completed months-12 months.	5 years of age	0.5 ml	YES Manufacturer supplied diluent (Sterile water)	Sub- cutane ous	Upper Arm - RIGHT
Japanese Encephalitis – 1 @ (Where applicable)	At 9 months- 12 months@	15 years of age	0.5 ml	YES - Manufacturer supplied diluent (Phosphate Buffer Solution)	Sub- cutane ous	Upper Arm - LEFT
Vitamin A (1st dose)	At 9 months	5 years of age ( 1 lakh IU)	1 ml	-	Oral	Oral
DPT Booster- 1	16-24 months	7 years of age	0.5 ml	NO	Intra- musc ular	Antero- lateral side of mid- thigh – LEFT
Measles / Rubella 2nd dose ##	16-24 months	5 years of age	0.5 ml	YES Manufacturer supplied diluent (Sterile water)	Sub- cutane ous	Upper Arm - RIGHT
OPV Booster	16-24 months	5 Years	2 drops	NO	Oral	Oral



Vaccine	Due age	Max age		Dose		Diluent
For Children						
<b>Japanese Encephalitis – 2 @ (Where applicable)</b>	16-24 months @	till 15 years of age	0.5 ml	YES Manufacturer supplied diluent (Phosphate Buffer Solution)	Sub-cutaneous	Upper Arm - LEFT
<b>Vitamin A \$ (2nd to 9th dose)</b>	At 16 months. Then, one dose every 6 months.	up to the age of 5 years	2 ml (2 lakh IU)	-	Oral	Oral
<b>DPT Booster-2</b>	5-6 years	7 Years of age	0.5 ml	NO	Intra-muscular	Upper Arm
<b>TT</b>	10 years & 16 years	16 Years	0.5 ml	NO	Intra-muscular	Upper Arm

\* Give TT-2 or Booster doses before 36 weeks of pregnancy. However, give these even if more than 36 weeks have passed. Give TT to a woman in labour, if she has not previously received TT.

\*\* Pentavalent vaccine is introduced in place of DPT and HepB 1, 2 and 3.

‡ Rotavirus vaccine is being introduced in phases.

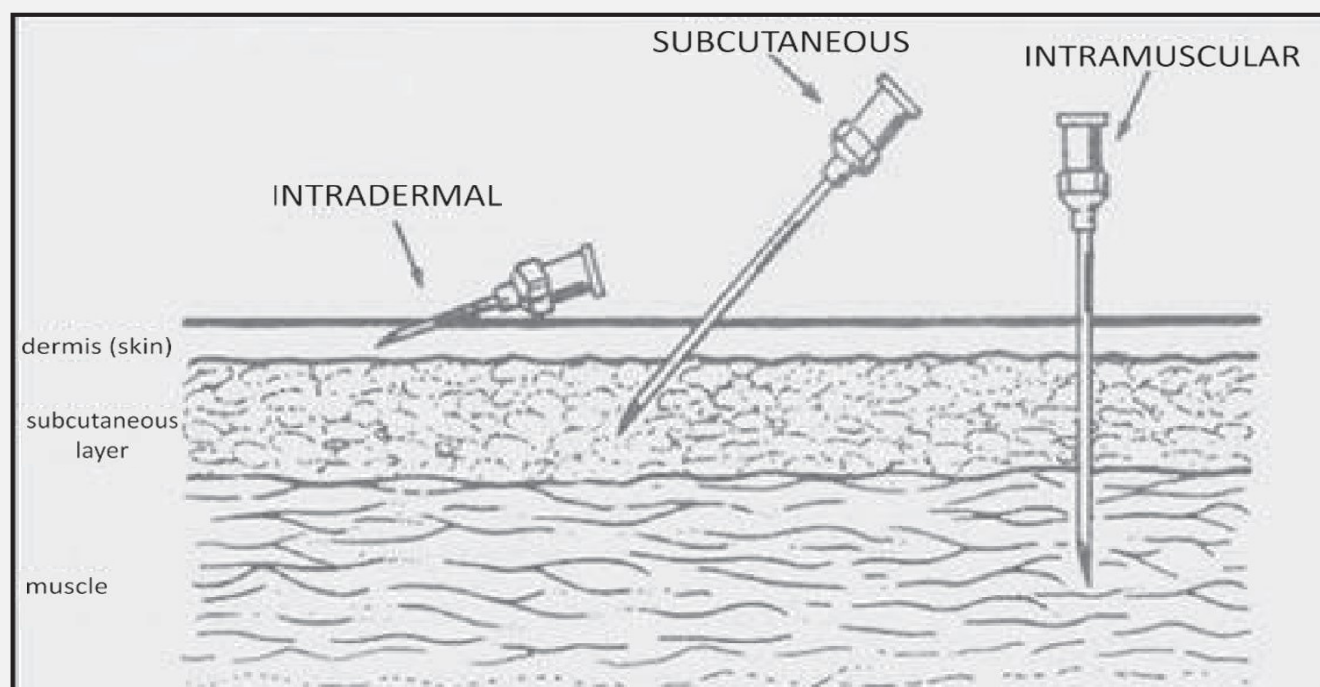
## MR vaccine introduced in phases replacing measles vaccine in the UIP schedule. **If first dose delayed beyond 12 months ensure minimum 1 month gap between 2 MR doses.**

@ JE Vaccine has been introduced in select endemic districts. **If first dose delayed beyond 12 months ensure minimum 3 months gap between 2 JE doses.**


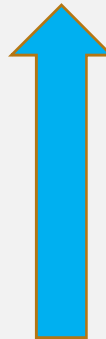
\$ The 2nd to 9th doses of Vitamin A can be administered to children 1-5 years old during biannual rounds, in collaboration with ICDS.

- Human Papilloma Virus (HPV) Vaccine – presently not in schedule.
- Td - Tetanus diphtheria to replace TT - to be added in schedule

**Fig. 21 Different needle positions for vaccine administration**

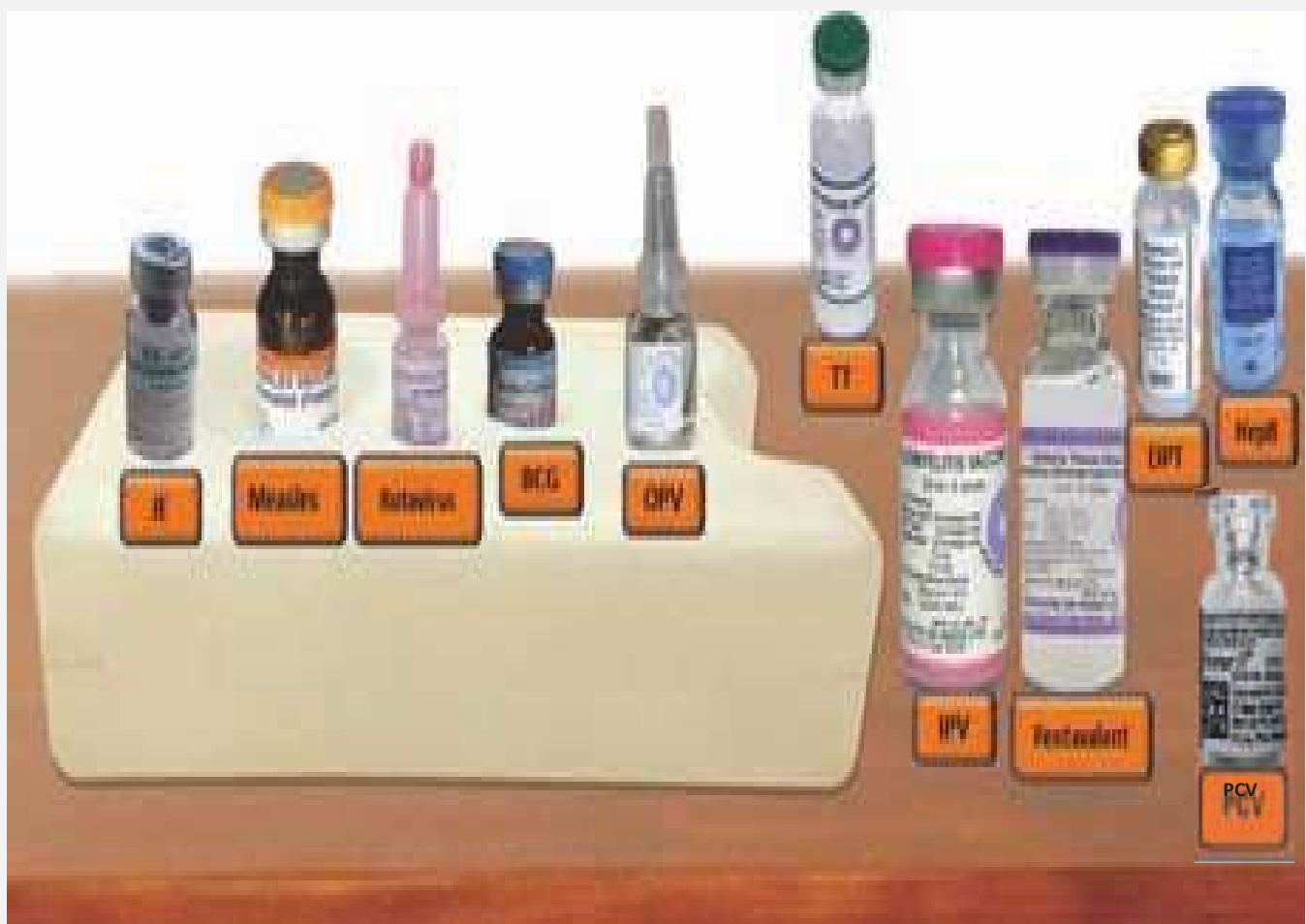


**Table 6: Sensitivity of vaccines to heat, light and freezing**


Vaccine	Exposure to heat/light	Exposure to cold
<b>Heat and light sensitive vaccines</b>		
OPV	Sensitive to heat	Not damaged by freezing
Measles/MR	Sensitive to heat and light	Not damaged by freezing
BCG, RVV and JE	Relatively heat stable, but sensitive to light	Not damaged by freezing.
<b>Freeze sensitive vaccines</b>		
HepB/Penta/PCV	Relatively heat stable	Freezes at -0.5°C (Should not be frozen)
IPV, DPT and TT	Relatively heat stable	Freezes at -3°C (Should not be frozen)
<b>At the PHC level, all vaccines are kept in the ILR for a period of one month at temperature of +2°C to +8°C</b>		
<b>Vaccines sensitive to heat</b> <ul style="list-style-type: none"> <li>▪ BCG (after reconstitution)</li> <li>▪ OPV, Rota</li> <li>▪ IPV</li> <li>▪ MR</li> <li>▪ Rotavirus</li> <li>▪ JE</li> <li>▪ DPT</li> <li>▪ BCG (before reconstitution)</li> <li>▪ TT,</li> <li>▪ Penta, HepB, PCV</li> </ul> <div> <div>Most sensitive</div>  <div>Least Sensitive</div> </div>		<b>Vaccines sensitive to freezing</b> <ul style="list-style-type: none"> <li>▪ HepB</li> <li>▪ PCV</li> <li>▪ Penta</li> <li>▪ IPV</li> <li>▪ DPT</li> <li>▪ TT</li> </ul> <div> <div>Most sensitive</div>  <div>Least Sensitive</div> </div>

**Do not keep any vials that are expired, frozen or with VVM beyond the end point in the cold chain, as they may be confused with those containing potent vaccines.**

**Fig 22. Placement of vaccines when at RI session site**



**Fig 23. The four key messages the HW should give to the caregiver are:**

	<b>Four key messages for caregivers</b>
	What vaccine was given and what diseases it prevents?
	What minor adverse events could occur and how to deal with them?
	When and where to come for the next visit?
Keep the immunization card safe and bring it along at the next visit	

## 9. Guidelines for use of open vaccine vials in immunization program

Implementation of Open Vial Policy (OVP) allows reuse of partially used multi-dose vials of applicable vaccines under the UIP in subsequent sessions (both fixed and outreach) up to 4 weeks (28 days) subject to meeting certain conditions. This policy contributes to the reduction of vaccine wastage.

**Open Vial Policy is only applicable to** DPT, TT, Hep B, OPV, PCV, Hib containing pentavalent vaccine (Penta) and injectable inactivated poliovirus vaccine (IPV).

### **Conditions that must be fulfilled for the use of open vial policy**

Any vial of the applicable vaccines opened/used in a session (fixed or outreach) can be used at more than one immunization session up to 4 weeks (28 days) **provided that:**

- The expiry date has not passed;
- The vaccines are stored under appropriate cold-chain conditions both during transportation and storage in cold-chain storage point;
- The vaccine vial septum has not been submerged in water or contaminated in any way;
- Aseptic technique has been used to withdraw vaccine doses, i.e. needle/septum has not been contaminated in anyway;
- The VVM has not reached/crossed the discard point;
- Date and time is written on vial.

**DO NOT USE** vaccine vial in case any one of the following conditions are met:

- expiry date has passed;
- VVM has reached/crossed discard point (for freeze-dried vaccine, before reconstitution only) or vaccine vials without VVM or disfigured VVM;
- no label/partially torn label and/or writing on label not legible;
- If date and time is not mentioned on vial;
- any vial thought to be exposed to non-sterile procedure for withdrawal;
- open vials that have been under water or vials removed from a vaccine carrier that has water;
- vaccine vial is frozen or contains floccules or any foreign body;
- there is breakage in the continuity of the vials (cracks/leaks);
- there is any AEFI from any of the vials; if so, do not use it, and retain it safely and separately. Inform MO and/or supervisor.

***Open Vial Policy does not apply to measles/MR, Rotavirus, BCG and JE vaccines.***

# Open Vial Policy



## ENSURE SAFETY PRESERVE LIFE

- ✓ Open Vial Policy applies only for DPT, TT, Hepatitis B, Oral Polio Vaccine (OPV) & Liquid Pentavalent.



- ✗ Does not apply to Measles, BCG, Japanese Encephalitis (JE) vaccines.

- ✓ Vaccine vials opened in session-site can be used in more than one immunization session up to four weeks provided:
  - Expiry date has not passed.
  - Vaccines are stored strictly under appropriate temperature range both during transportation & storage at cold chain point.
  - Vaccine vial septum has not submerged in water or contaminated in any way.
  - Aseptic technique has been used to withdraw all doses.
  - Vaccine vial monitor (VVM), has not reached discard point.

- ✗ Open vials should never be submerged in water (e.g. Water accumulated in vaccine carrier) as it increases the risk of contamination of the vial septum.

- ✓ Ensure all open vials have recorded date and time of opening.

- At the end of the session, all open vials should be returned to Cold Chain Point.
- At Cold Chain Point, open vials should be segregated into:
  - Re-usable DPT, TT, Hep B and Pentavalent vaccine vials fulfilling the above mentioned criteria.
  - Non-reusable open vials of Measles, BCG & JE
- All open vials of BCG, Measles and JE should be destroyed after 48 hours or before next session, whichever is earlier.
- In case of any AEFI reported, all open vials (usable & non-usable) should not be discarded or used. All open vials should be stored under proper cold chain till investigation is complete.



- ✓ All vials (open or unopened) should be transported in a zipper bag in the vaccine carrier and recorded in the stock register.

- ✓ Well-sealed conditioned ice packs should be used in vaccine carriers and water should not be allowed to accumulate where vaccine vials and diluents are stored.





**Fig 24. Correct use of AD Syringes**

	<ol style="list-style-type: none"><li>1. Select the correct syringe for the vaccine to be administered – 0.1ml for BCG, fIPV and 0.5ml for all others.</li><li>2. Check the packaging. Don't use if the package is damaged, opened, or expired.</li><li>3. Peel open or tear the package from the plunger side and remove the syringe by holding the barrel. Discard the packaging into a black plastic bag.</li></ol>
	<ol style="list-style-type: none"><li>4. Remove the needle cover/cap and discard it into the black plastic bag.</li><li>5. Do not move the plunger until you are ready to fill the syringe with the vaccine and do not inject air into the vial as this will lock the syringe.</li></ol>
	<ol style="list-style-type: none"><li>6. Take the appropriate vaccine vial, invert the vial, and insert the needle into the vial through the septum. Insert the needle such that the tip is within the level of the vaccine. If inserted beyond that, you may draw an air bubble which is very difficult to expel.</li><li><b>7. Do not touch the needle or the rubber cap (septum) of the vial.</b></li><li>8. Pull the plunger back slowly to fill the syringe. The plunger will automatically stop when the necessary dose of the vaccine has been drawn (0.1 ml or 0.5 ml).</li><li>9. Do not draw air into the syringe. In case air accidentally enters the syringe, remove the needle from the vial. Holding the syringe upright, tap the barrel to bring the bubbles towards the tip of syringe. Then carefully push the plunger to the dose mark (0.5 or 0.1 ml) thus expelling the air bubble.</li><li>10. Clean the injection site (if dirty) with a clean swab.</li></ol>

**Fig 25. Using the hub cutter correctly**



**Fig 26. Pictorial guide – segregation and safe disposal methods for immunization waste**





# Contingency plan for vaccine storage

## Remember

**a.**

### Prolonged electricity failure (more than 8 hours)

- Check circuit, identify the fault and get it corrected
- Inform electricity department for early rectification
- Inform Block Medical Officer/District Immunization Officer
- Inquire from the electricity department within what time electricity supply will be restored

**b.**

### Mal functioning of storage equipment (ILR)

- Check-position and functioning of MCB of stabilizer and connectivity with equipment
- Check-stabilizer plug is secured to power socket
- On compressor failure, temperature fluctuations or any other non-functionality - inform Refrigerator Mechanic

### Vaccine storage in cold box

- Arrange conditioned ice packs at bottom and along the walls of cold box (as recommended by manufacturer)
- Keep vaccine vials in boxes or polythene bags and arrange them ensuring proper air circulation
- Keep a thermometer between vaccine boxes. Do not open the cold box unless required
- After arranging vaccine boxes keep two layers of conditioned ice packs on top and pack the cold box
- Ensure that DPT, TT and Hepatitis B vaccines are not placed in direct contact with ice packs

If cold box is unavailable or power failure is for more than **72 hours**- transfer all vaccines to nearest health facility with cold chain or to district cold chain.

**Periodically monitor storage temperature of equipment with thermometer**

**If storage temperature is more than 8°C, transfer vaccines into cold box**

### Important contact numbers

Cold Chain Handler.....

MO incharge.....

District Immunization Officer.....

District Cold Chain Technician.....

Electricity Department.....

Fire department.....

Nearest cold chain point (CCP).....

Facility in charge of nearest CCP.....

Cold Chain Handler of nearest CCP.....

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