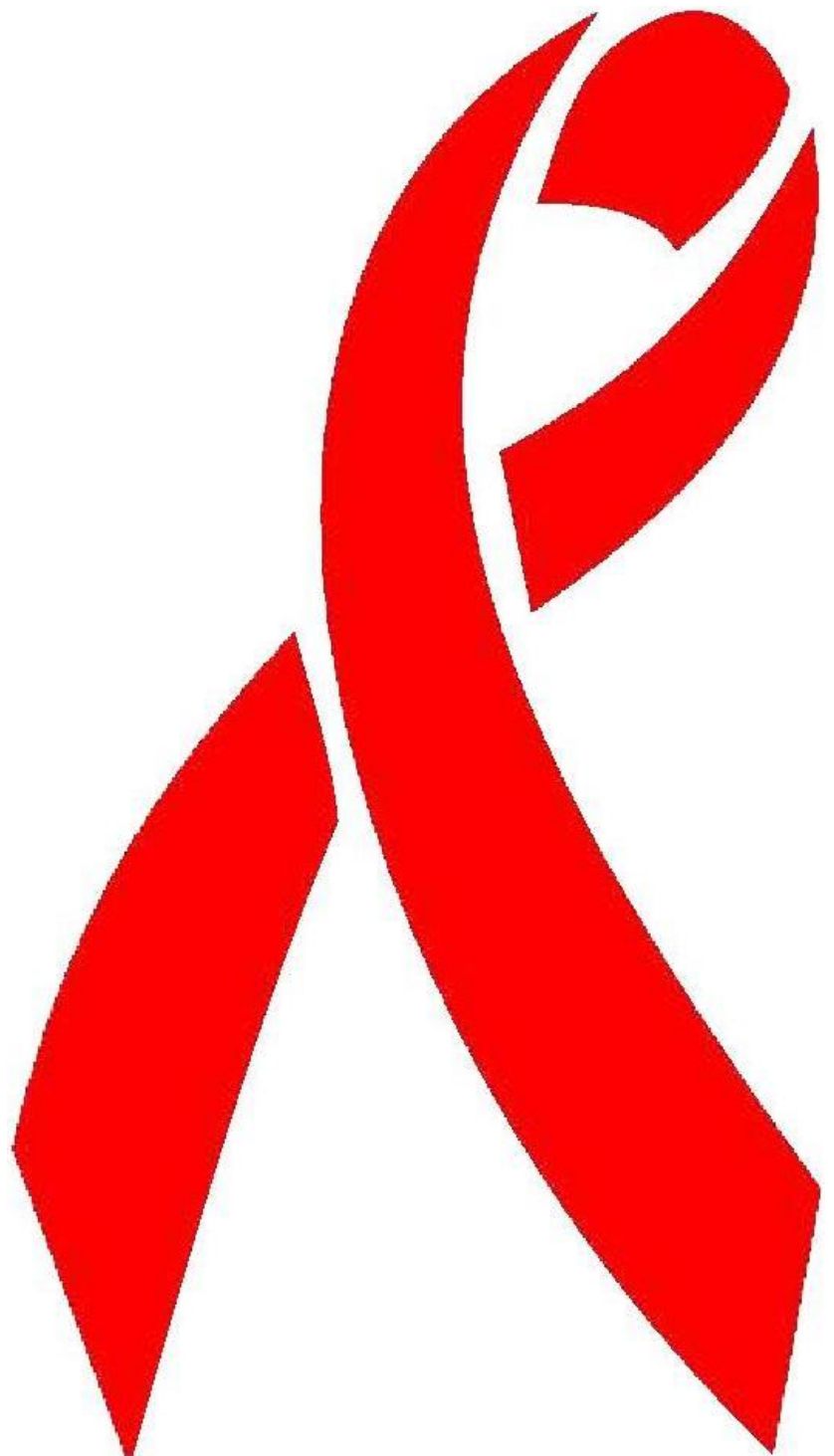


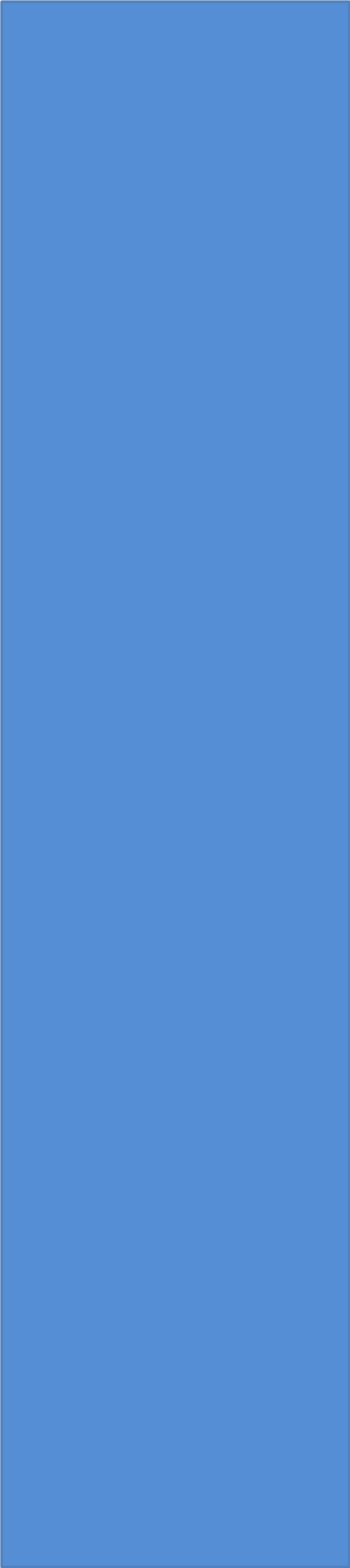
# **Situation analysis of storage facilities at district level and supply chain management in DAPCU districts under NACP 3**



**National AIDS Control Organization  
Department of AIDS Control  
Ministry of Health and Family  
Welfare  
Government of India**

**March 2012**





# **Situation analysis of storage facilities at district level and supply chain management in DAPCU districts under NACP**

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**National AIDS Control Organization**

**India's voice against AIDS**

**Department of AIDS Control**

Ministry of Health and Family Welfare, Government of India

[www.nacoonline.org](http://www.nacoonline.org)

This document would not have been possible without the constant and continuous efforts made by the staff of DAPCU teams across the country which had collated and shared the information on the various storage facilities available at the district level and also how supply chain is being maintained for various commodities from State to facility level. Officers from respective State AIDS Control Societies had provided necessary guidance and support to the functionaries at the field in compilation of the data which was not only a tedious but also time taking. It is heartening that, of the total 189 DAPCUs across India, 187 DAPCUs have reported their status to NACO on the availability of cold and non-cold storage facilities in their respective districts.

We sincerely acknowledge the efforts of each of the stakeholder (DAPCU team members, facility staff, SACS officials) who have contributed with information for the preparation of this document on cold and non-cold storage facilities at district and sub district level and insights into how the supply chain is being maintained for various commodities under National AIDS Control Program –III.

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## Acronyms

AMC	Annual Maintenance Contract
DAPCU	District AIDS Prevention Control Unit
DD Office	Deputy Director office
DNRT	DAPCU National Resource Team
HIV	Human Immuno deficiency Virus
ILR	Ice Lined Refrigerator
NACO	National AIDS Control Organization
NACP	National AIDS Control Program
RPR	Regain plasma Reagent
SACS	Sate AIDS Control Society
SCM	Supply Chain Management
STI	Sexually Transmitted Infection
sq. ft.	Square Feet
TNMSC	Tamil Nadu Medical Supplies Corporation
TOR	Top Open Refrigerator
WIC	Walk in Cooler

## Executive summary

This document is a compilation of the status of the Cold and non-cold storage facilities available at the district and the sub district level in the DAPCU districts under the National AIDS Control Program. This document provides insights to understand the situation of the flow of commodities from the State /National level to the district and the sub district level.

Of the total 189 DAPCUs across India, 187 DAPCUs have reported their status to NACO on the availability of cold and non-cold storage facilities in their respective districts.

Of the 187 DAPCUs across 22 states that have reported, 114 DAPCUs (60%) across 15 states have cold storage facility

- 193 cold storage facilities are present across 15 states
  - 83 walk in coolers and 110 ILR/TOR s
  - 45 districts have (WIC), 43 (ILR), 26 (both WIC and ILR)
  - Of the 83 WIC reported , 77 are functional , 47 have power back up and 36 are having AMC
- Total 96 districts have 130 non-cold storage facilities exist across 15 states
- Supply of commodities from SACS/NACO to DAPCUs and from DAPCU to sub district varied across states
- Indent mechanism varied from monthly indenting mechanism to random

Information regarding the storage places and the supply chain management across all the facilities in the state is provided in the form of state fact sheet. Each state fact sheet has pictorial representation of the supply chain and availability of storage places.



## Introduction

National AIDS Control Organization (NACO) does the supply of commodities to the National AIDS Control Program. As the process of decentralization was initiated in NACP-III supply chain system had also undergone certain changes over a period of time. Under NACP III, a major structural reform was initiated by constituting decentralized bodies called District AIDS Prevention & Control Units with a team of functionaries in A & B category districts in India. The main objective of the DAPCU is to take district specific initiatives and take up activities to integrate with formal health infrastructure and mainstream with other departments in the district. One of the main functions of DAPCU is to coordinate effective supply and availability of HIV/AIDS commodities in the peripheral units including replenishment and reallocation of commodities for ensuring continuous service delivery and preventing stock outs and wastage of commodities at facility level.

Supply chain encompasses maintenance of commodity viability and efficacy till the product reaches to end consumer. This necessitates the quality control of the commodity involving maintenance of proper temperature and hygienic conditions at storage facilities as well as during transport. District level facilities have been identified for storage of items requiring cold chain maintenance like HIV Test kits, RPR kits, etc. This has helped in decentralizing the supply chain management to district level thereby making easier access to supplies for the peripheral facilities.

NACO has envisioned the next phase of National HIV/AIDS Program i.e. NACP IV to streamline, strengthen and ensure procurement and supply chain supply chain management. Major issues encountered in NACP III are stock outs of the commodities, over stocking, wastage due to expiry of the commodity, delay in the replenishment of the stock, compromise in the quality control of commodity. These issues resulted in slowing the program at peripheral level like delay in achieving HIV testing coverage, delayed treatment of PLHIV, inadequate catering of HIV services to consumers, etc. Knowing the limitations and having a vision for stronger and efficient supply chain and procurement systems there was a felt need to understand the existing status of storage facilities (both cold storage and non-cold storage) at the district level and their management and distribution of supplies to sub district level. This will help to plan and propose optimal allocation of scarce resources to address supply chain management issues at the district level.

### Scope of the document:

This document would help us to understand the overall supply chain management of HIV/AIDS commodities and give vital clues for better planning. Spatial maps of storage facilities could be designed based on the insights from this compilation at the district and facility level to enable easy routing and relocation of commodities.

### Objectives:

- To describe the location and space available at District level for storage of Cold and Non Cold commodities for NACP
- To describe supply chain management of various key commodities under NACP-III received from the National/State to district level facility/s and to peripheral units.

## How was the information requested?

Information regarding the supply chain and storage facilities was requested from all 189 DAPCUs through a semi structured questionnaire in the form of MS-excel document prepared by DAPCU National Resource Team (DNRT) in July 2011.(Annexure-1) The document is classified into two sections in order to facilitate easy demarcation between cold and non-cold sections. Detailed instructions were provided in the document for DAPCUs to provide relevant information. DAPUs were expected to collect the information as on date. DAPCU staff was also given an option to call the DNRT members if they had any doubts about document and data compilation. DNRT team members through their field visits and telephonic calls also followed up with DAPCUs. The DAPCUs were expected to send the filled in data sheets to NACO ([dapcunaco@gmail.com](mailto:dapcunaco@gmail.com)) by 5<sup>th</sup> of August 2011.

## Data compilation and analysis:

Data received was compiled and analyzed using MS-Excel. Analysis was done to address the above mentioned objectives. Data regarding the functional status, power backup and AMC was collected through phone calls in the month of December 2011 after realizing the importance of the above parameters through field visits.

## Data Validation:

Validation of the data received from the DAPCUs for internal consistency was done by the DNRT members who followed up with the DAPCU through phone calls and emails. After cleaning the data was compiled and finalized in December 2011.

## Results

Out of total 189 DAPCUs 187 DAPCUs have reported. Surat Municipal Corporation which also has a corporation supported DAPCU also reported and that data was included for analysis, so a total of 188 DAPUs reported. Durg (Chattisgarh) and Tamenglong (Manipur) DAPCUs have not reported the details.

Results are described in three sections:

Section-1: Details of cold storage facilities

Section-2: Details of Non Cold storage facilities

Section-3: State fact sheets detailing cold and non-cold storage facilities in each DAPCU district (All 21 states)

### Section-I

## Details of Cold storage facilities

This is described under following 8 sub heads:

1. Availability of cold storage facility
2. Types of cold storage facility
3. State wise distribution cold storage facilities across DAPCU Districts

4. Functional status, power backup and AMC of the cold storage facilities
5. Capacity of cold storage facilities
6. State wise distribution of commodities stored in these cold storage facilities across DAPCU Districts
7. Supply chain management of cold storage commodities at district level across all DAPCU districts
8. Supply chain management of cold storage commodities at sub district level across all DAPCU districts

#### Availability of cold storage facilities:

Of the 187 reported DAPCUs, 105 DAPCU districts have at least 1 type of cold storage facility available. Table-1 gives details about available cold storage facilities across DAPCU districts.

**Table 1: Availability of different cold storage facilities in DAPCU districts**

Type of Cold storage facility	# of districts (n)	Proportion of districts (%)
Walk in coolers (WIC)	45	24
ILR/TOR	43	22
Walk in coolers+ ILR/TOR	26	14
<b>Total # of districts with cold storage facility</b>	<b>114</b>	<b>60</b>
<b>Total # of districts with no cold storage facility</b>	<b>74</b>	<b>40</b>

#### Types of cold storage facility

Totally 170 cold storage facilities (82 walk in coolers and 88 ILR/TORs) are available across all reported DAPCU districts. Table-2 gives state wise breakup of cold storage facilities available at district level.

**Table 2: Type of cold storage facilities available across reported states**

State	WIC	ILR/TOR	Total
Andhra Pradesh	29	14	43
Gujarat	0	7	7
Karnataka	14	6	20
Kerala	1	0	1
Madhya Pradesh	0	3	3
Maharashtra	9	60	69
Mizoram	1	0	1
Nagaland	0	3	3

State	WIC	ILR/TOR	Total
Orissa	0	2	2
Rajasthan	0	2	2
Tamil Nadu	16	0	16
Tripura	1	1	2
Uttar Pradesh	0	1	1
West Bengal	12	11	23
<b>Grand Total</b>	<b>83</b>	<b>110</b>	<b>193</b>

Every reported state has at least one type of cold storage facility at the district level. Delhi, Gujarat, MP, Manipur, Nagaland, Orissa and UP have no walk in coolers (WIC) at the district/DAPCU level. Kerala and Mizoram have no ILR/TOR at the district level but they have WIC.

Comparatively, number of walk in coolers is highest in AP (29) while Maharashtra has highest number of ILR/TOR (60). Some of the states like Andhra Pradesh and West Bengal have more cold storage facilities than the number of DAPCU districts as some of the districts have got more than one walk in coolers as shown below:

- Andhra Pradesh – Anantapur (2), Chittoor (3), Guntur (2), Krishna (2) and Vishakapatnam (2)
- West Bengal - Burdwan (2) and Kolkata (5)
- Maharashtra – Pune (2)

#### State wise distribution of cold storage facilities across DAPCU Districts

In the table-3 below state wise details of different cold storage facilities across DAPCU districts is given.

*Table 3: District wise breakup of different district level cold storage facilities across states*

State	# Districts reported	# Districts with no Cold storage	# Districts with WIC+ILR/TOR	# Districts with ILR/TOR	# Districts with WIC	District with cold storage facilities	% Districts with cold storage facility
Andhra Pradesh	23		11		12	23	100
Arunachal Pradesh	1	1				0	0
Assam	1	1				0	0
Bihar	3	3				0	0
Delhi	4	4				0	0
Gujarat	11	5		6		6	55
Haryana	1	1				0	0

State	# Districts reported	# Districts with no Cold storage	# Districts with WIC+ILR/TOR	# Districts with ILR/TOR	# Districts with WIC	District with cold storage facilities	% Districts with cold storage facility
Karnataka	26	9	2	3	12	17	65
Kerala	2	1			1	1	50
Madhya Pradesh	8	5		3		3	38
Maharashtra	30		8	22		30	100
Manipur	8	8				0	0
Mizoram	3	2			1	1	33
Nagaland	10	7		3		3	30
Orissa	7	5		2		2	29
Punjab	2	2				0	0
Rajasthan	7	5		2		2	29
Tamilnadu	27	11			16	16	59
Tripura	1		1			1	100
Uttar Pradesh	5	4		1		1	20
West Bengal	8		4	1	3	8	100
<b>Grand Total</b>	<b>188</b>	<b>74</b>	<b>26</b>	<b>43</b>	<b>45</b>	<b>114</b>	<b>60</b>

In Andhra Pradesh, Tripura and West Bengal all the reported districts have cold storage facility. (Table-3). In Karnataka, Tamilnadu and Maharashtra the supply chain management is different from other reported states. The commodities that require cold chain from SACS are first supplied to the regional warehouses (Karnataka and Tamilnadu) and Regional Deputy Director Health Service office (Maharashtra). Though all districts in these states have no cold storage facility the cold chain is being maintained at the designated regional centers. In states like Arunachal Pradesh, Assam, Bihar, Haryana, Manipur and Punjab there are no cold storage facilities available in the DAPCU districts of these states however the commodities to these districts are received by DAPCUs directly from SACS.

#### Functional status, Power backup and availability of AMC for the cold storage facility:

Based on the experiences from field visits to certain districts DNRT felt that it was important to capture the information regarding the functional status, power backup and AMC. The information was collected in December 2011 from the all 188 DAPCUs through phone calls. Table-4 gives the details of the functional status, power back and AMC of these cold storage facilities across states.

**Table 4: Functional status, Power backup and availability of AMC for the cold storage facility as on Dec 2011**

State	WIC				ILR/TOR			
	# Available	# Functional	# with power back up	AMC	# available	# functional	# with power back up	AMC
Andhra Pradesh	29	23	0	0	14	7	0	0
Delhi	0	0	0	0	1	0	0	0
Gujarat	0	0	0	0	7	7	3	5
Karnataka	14	14	14	14	6	4	2	2
Kerala	1	1	1	1	0	0	0	0
Madhya Pradesh	0	0	0	0	3	3	3	1
Maharashtra	9	9	9	9	60	12	2	9
Mizoram	1	1	1	1	0		0	
Nagaland	0	0	0	0	3	3	0	1
Orissa	0	0	0	0	2	2	0	0
Rajasthan	0	0	0	0	2	0	0	0
Tamil Nadu	16	16	16	0	0	0	0	0
Tripura	1	1	1	0	1	1	1	
Uttar Pradesh	0	0	0	0	1	1	0	1
West Bengal	12	12	5	11	11	6	4	6
<b>Grand Total</b>	<b>83</b>	<b>77</b>	<b>47</b>	<b>36</b>	<b>110</b>	<b>46</b>	<b>15</b>	<b>25</b>

76 out of 82 WICs are functional as on Dec 2011 and of the functional WICs only 46 had power back up .Annual Maintenance Contract was available for 46 out of 82 WICs.

All the non-functional WICs are from Andhra Pradesh and these do not have power back and AMC. None of the Functional WICs in Andhra Pradesh has AMC and power backup.

Only 42% (46 out of 110) of the ILRs are functional across all the reported DAPCU districts. Only 20% of the ILRs are functional in Maharashtra (12 out of 60).

#### Capacity of cold storage facilities:

Capacity of walk in coolers is classified on basis of square feet area (Less than 100 sq. ft., 100 to 500 sq. ft. and more than 500 sq. ft.).

**Table 5: Capacity of cold storage facilities**

WIC				ILR			
State	<100 sq ft	100-199 sq ft	>=200 sq ft	State	<200lts	200-299lts	300+ lits
Andhra Pradesh	11	4	8	Andhra Pradesh	0	5	2
Karnataka	4	5	0	Karnataka		2	2
Maharashtra	1	1	1	Maharashtra	9	2	8
Tripura	0	0	1	Tripura	1	0	0
West Bengal	2	3	2	West Bengal	3	0	4
Kerala	0	1	0	Delhi	0	1	0
Tamil Nadu	3	11	1	Rajasthan	0	0	1
Mizoram	1	0	0	Orissa	2	0	1
<b>Grand Total</b>	<b>21</b>	<b>25</b>	<b>13</b>	Uttar Pradesh	1	0	0
				Gujarat	2	1	3
				Madhya Pradesh			1
				Nagaland	2		1
				<b>Total</b>	<b>20</b>	<b>11</b>	<b>23</b>

21 districts in AP, Karnataka, Maharashtra, Mizoram, Rajasthan, Tamilnadu and West Bengal have less than 100 sq. ft. area. 25 districts have area ranging from 100 to 500 sq. ft. 13 districts located in AP (6), Maharashtra (1) and West Bengal (2) have more than 500 sq. ft. area.

**State wise distribution of commodities stored in these cold storage facilities across DAPCU Districts**

**Table 6: Type of consumables stored in the cold storage facilities**

State	HIV Kits	RPR Kits	STI kits	Neverapine syrup/tablets
Andhra Pradesh	23	17	4	12
Gujarat	5	1		1
Karnataka	7			
Kerala	1	1		
Madhya Pradesh	*NR			
Maharashtra	17	10		4
Mizoram	1	1		
Nagaland	1	1		
Orissa	2	2		

State	HIV Kits	RPR Kits	STI kits	Neverapine syrup/tablets
Tamilnadu	14	10		1
Tripura	1	1		
Uttar Pradesh	1	1		
West Bengal	5	3	1	

\*NR-Not reported

Below details the transport of commodities from higher center (SACS/NACO/Manufacturer) to the District level and its mode and frequency of supply Mechanism of supply of kits from higher center (SACS/NACO/Manufacturer) to the District level

**Table 7: Supply chain management of cold storage commodities at district level across all DAPCU districts**

Supply chain at District level	
Cold Storage	No cold storage
<b>No of Districts : 114</b>	<b>No of Districts: 74</b>
<b>Consumables to District level are being received from :</b> <ul style="list-style-type: none"> <li>➤ NACO-1</li> <li>➤ SACS: 41</li> <li>➤ Regional level : 30 (Maharashtra)</li> <li>➤ Warehouse: 17 (Karnataka) and 16 (Tamilnadu)</li> <li>➤ Other source: 9</li> </ul>	<b>Consumables to District level are being received from :</b> <ul style="list-style-type: none"> <li>➤ Not applicable: 21</li> <li>➤ SACS: 33</li> <li>➤ Regional level: 11 (TNMSC)</li> <li>➤ Warehouse: 9 (Karnataka)</li> </ul>
<b>Mode of supply chain at District level:</b> <ul style="list-style-type: none"> <li>➤ In person from DAPCU: 26</li> <li>➤ Vehicle with cold box: 88</li> </ul>	<b>Mode of supply chain at District level:</b> <ul style="list-style-type: none"> <li>➤ Not applicable: 21</li> <li>➤ In person/Vehicle:1</li> <li>➤ In person: 34</li> <li>➤ Vehicle with cold box: 18</li> </ul>
<b>How often are they received at District level:</b> <ul style="list-style-type: none"> <li>➤ As per requirement -28</li> <li>➤ Fortnightly- 3</li> <li>➤ Monthly once- 28</li> <li>➤ Once in 6 months- 3</li> <li>➤ Quarterly once-25</li> <li>➤ Randomly-27</li> </ul>	<b>How often are they received at District level:</b> <ul style="list-style-type: none"> <li>➤ As per requirement -8</li> <li>➤ Monthly once- 10</li> <li>➤ Once in 6 months- 2</li> <li>➤ Quarterly once-9</li> <li>➤ Randomly-22 &amp; Yearly: 2</li> <li>➤ Not applicable: 21</li> </ul>



As depicted in Table-7 there is difference in mechanism of transport of kits in DAPCU districts with and without cold storage facility.

In Tamil Nadu the supply of kits to the regional TNMSC warehouses is through vehicle with cold chain from SACS. Totally 15 such regional warehouses are present in the state. From these regional warehouses the commodities are received by the personnel in person from the sub district facilities from districts with and without cold storage facility. DAPCU plays a key role through monitoring and allocation the stock at the warehouse.

In Maharashtra commodities are transported from the central warehouse in Mumbai to the regional Deputy Director Health services office which has a WIC. From the DD office the commodities are transported using the blood bank van or other department vehicle from the DD office and supplied to the designated districts to the DAPCU office. Personnel from the facilities collect the commodities using cold boxes from the DAPCU office.

In Karnataka all the personnel from the sub district level collect the commodities from the regional warehouses and are taken to their respective facilities using public transport.

In Manipur all the commodities reach SACS and from SACS all the facilities personnel collect their stock of commodities in person and travel back using the public service.

In Andhra Pradesh commodities from Hyderabad are supplied to DAPCU office through vehicle with cold storage facility using hired transportation. DAPCU distributes these to the facilities .There are mixed mechanisms used for supply of the commodities to the facilities. In some districts the personnel from the sub district level collects them in person and in other districts vehicle of the Additional District Medical and Health Officer is being used to transport the commodities.

### Supply chain management of cold storage commodities at sub district level across all DAPCU districts

*Table 8: Supply of commodities requiring cold chain to Sub District from DAPCU/SACS*

Supply chain – Sub district	
Cold Storage	No cold storage
<b>No of Districts : 114</b>	<b>No of Districts: 74</b>
<b>Consumables to sub District level are being received from :</b> <ul style="list-style-type: none"> <li>➤ Not applicable:1</li> <li>➤ DAPCU/SACS:2 (West Bengal)</li> <li>➤ DAPCU: 107</li> <li>➤ Kozikhode medical college:1 (Kerala)</li> </ul>	<b>Consumables to sub District level are being received from :</b> <ul style="list-style-type: none"> <li>➤ Not Applicable:2</li> <li>➤ DAPCU : 44</li> <li>➤ SACS: 27</li> <li>➤ Thirure medical college:1 (Kerala)</li> </ul>

Supply chain – Sub district	
<b>Cold Storage</b>	<b>No cold storage</b>
<b>No of Districts : 114</b>	<b>No of Districts: 74</b>
➤ SACS:3	
<b>Mode of supply chain at sub District level:</b>	<b>Mode of supply chain at sub District level:</b>
<ul style="list-style-type: none"> <li>➤ Not applicable: 1</li> <li>➤ In person/Vehicle: 29</li> <li>➤ In person from district: 8</li> <li>➤ In person from facility: 34</li> <li>➤ Vehicle from district: 32</li> <li>➤ Vehicle from SACS: 10</li> </ul>	<ul style="list-style-type: none"> <li>➤ Not applicable:2</li> <li>➤ In person/Vehicle: 10</li> <li>➤ In person from district: 15</li> <li>➤ In person from facility: 42</li> <li>➤ Vehicle from district: 2</li> <li>➤ Vehicle from SACS: 3</li> </ul>
<b>How often are they received at sub District level:</b>	<b>How often are they received at sub District level:</b>
<ul style="list-style-type: none"> <li>➤ As per requirement -36</li> <li>➤ Monthly once- 34</li> <li>➤ Monthly thrice - 15</li> <li>➤ Quarterly once-5</li> <li>➤ Randomly-24</li> </ul>	<ul style="list-style-type: none"> <li>➤ As per requirement -30</li> <li>➤ Monthly once- 20</li> <li>➤ Randomly-24</li> </ul>

## Section -II

### Details of Non-Cold storage facilities

This is described under following 4 sub heads:

1. Availability and type of commodities stored in non-cold storage facilities across DAPCU Districts
2. Capacity of non-cold storage facilities across DAPCU Districts
3. Supply chain management of non-cold storage commodities at district level across all DAPCU districts
4. Supply chain management of non-cold storage commodities at sub district level across all DAPCU districts

### Availability of Non-Cold storage facilities

Total 96 districts have 130 non-cold storage facilities exist across 15 states. The type of commodities that are being stored are categorized into:

- ❖ Lab related consumables like Syringes, cotton, test tubes, gloves, spirit, Test Tubes, Citraminde bottles Surgical spirit are stored in 53 districts
- ❖ Clinical equipment: Vaginal kits for DSRC, Surgical kits.

- ❖ Registers like the ICTC registers, DSRC Registers, consent forms, Old reports are stored in 62 districts
- ❖ Condoms-41 districts
- ❖ IEC-65

### Capacity of non-cold storage facilities across DAPCU

*Table 9: Capacity of non-cold storage facilities across DAPCU*

State	No of Districts with non-cold storage	No of Non cold storage	<100 SFT	100-200 SFT	200-400 SFT	400+ SFT
Andhra Pradesh	19	20	4	7	5	3
Gujarat	4	5	2	1	0	0
Haryana	1	1	0	0	1	0
Karnataka	8	8	1	3	2	0
Madhya Pradesh	3	3	1	1	0	1
Maharashtra	24	36	3	19	5	2
Manipur	1	3	0	3	0	0
Mizoram	1	3	0	0	0	3
Nagaland	3	8	8	0	0	0
Orissa	2	2	0	0	1	1
Rajastan	3	3	0	1	1	0
Tamilnadu	16	16		2	2	6
Tripura	1	1	0	0	1	0
Uttar Pradesh	2	3	0	3	0	0
West Bengal	8	18	0	2	1	10
<b>Grand Total</b>	<b>96</b>	<b>130</b>	<b>19</b>	<b>42</b>	<b>22</b>	<b>26</b>

Capacity of non-cold storage facilities is classified on basis of square feet area (Less than 1000 sq. ft., 1000 to 5000 sq. ft. and more than 5000 sq. ft.)(Table-9)

72 districts have facilities ranging less than 1000 sq. ft. area. Only 6 districts have facilities ranging from 1000 to 5000 sq. ft. area. 5 Tamilnadu districts have storage facilities ranging from 15000 to 20000 sq. ft. area. 14 districts have less than 100 sq. ft. area for non-cold storage.

### Sharing of storage facilities:

Storage places are being shared by other health departments in some states. In Tamil Nadu the TNMSC warehouse is responsible to store all the commodities related to health for that region but separate space is demarcated for HIV commodities. In the state of Orissa all the cold storage facilities are supplied from NRHM. In Andhra Pradesh some of the districts like Warangal are placing their stock in the District TB Office, in Chittoor they are stored in Leprosy office. In Jalna district of

Mahharashtra all the stocks are placed in DAPCU office itself. Like Jalna there are districts where the stocks are placed within the office which is creating hindrance for spacious office space.

### Supply chain management of non-cold storage commodities at district level across all DAPCU districts

**Table 10: Supply of non-cold commodities to District from SACS/NACO**

<b>Non-Cold Storage</b>	<b>No Non-cold storage</b>
<b>No of Districts : 96</b>	<b>No of Districts: 91</b>
<b>Consumables to District level are being received from :</b> <ul style="list-style-type: none"> <li>➤ SACS: 71</li> <li>➤ NACO/Manufacturer: 6</li> <li>➤ Divisional level : 2</li> <li>➤ TNMSC:16</li> <li>➤ Swasthya Bhawan: 1 (West Bengal)</li> </ul>	<b>Consumables to District level are being received from :</b> <ul style="list-style-type: none"> <li>➤ Not applicable: 19</li> <li>➤ SACS/Manufacturer: 61</li> <li>➤ TNMSC: 11</li> </ul>
<b>Mode of supply chain at District level:</b> <ul style="list-style-type: none"> <li>➤ In person: 6</li> <li>➤ Vehicle from District : 71</li> <li>➤ Vehicle from SACS: 19</li> </ul>	<b>Mode of supply chain at District level:</b> <ul style="list-style-type: none"> <li>➤ Not applicable: 19</li> <li>➤ Vehicle from SACS: 4</li> <li>➤ Vehicle from District: 49</li> <li>➤ In person: 19</li> </ul>
<ul style="list-style-type: none"> <li>➤ As per requirement: 27</li> <li>➤ Yearly once: 15</li> <li>➤ Quarterly once: 16</li> <li>➤ Monthly once : 14</li> <li>➤ Randomly : 24</li> </ul>	<ul style="list-style-type: none"> <li>➤ Not applicable: 19</li> <li>➤ As per requirement: 32</li> <li>➤ Yearly once: 8</li> <li>➤ Quarterly once: 10</li> <li>➤ Monthly once : 11</li> <li>➤ Randomly : 11</li> </ul>

*Not Applicable: Indicates that the stocks are directly reaching the facilities at sub district bypassing the DAPCU.*

## Supply chain management of non-cold storage commodities at sub district level across all DAPCU districts

*Table 11: Supply of non-cold commodities to Sub District facilities from DAPCU/ SCAS*

Non-Cold Storage	No Non-cold storage
<b>No of Districts : 96</b>	<b>No of Districts: 91</b>
<b>Consumables to sub District level are being received from :</b> <ul style="list-style-type: none"> <li>➤ Not Applicable: 1 (Surat SAPCU)</li> <li>➤ DAPCU: 89</li> <li>➤ SACS: 6</li> </ul>	<b>Consumables to sub District level are being received from :</b> <ul style="list-style-type: none"> <li>➤ DAPCU : 60</li> <li>➤ SACS: 31</li> </ul>
<b>Mode of supply chain at sub District level:</b> <ul style="list-style-type: none"> <li>➤ Not applicable:1(Surat SAPCU)</li> <li>➤ In person/Vehicle: 15</li> <li>➤ In person: 53</li> <li>➤ Through vehicle: 27</li> </ul>	<b>Mode of supply chain at sub District level:</b> <ul style="list-style-type: none"> <li>➤ In person/Vehicle: 11</li> <li>➤ In person : 61</li> <li>➤ Through Vehicle : 19</li> </ul>
<ul style="list-style-type: none"> <li>➤ Not applicable: 1(Surat SAPCU)</li> <li>➤ As per requirement: 34</li> <li>➤ Quarterly once: 6</li> <li>➤ Monthly once : 34</li> <li>➤ Randomly : 21</li> </ul>	<ul style="list-style-type: none"> <li>➤ As per requirement: 50</li> <li>➤ Quarterly once: 2</li> <li>➤ Monthly once : 27</li> <li>➤ Randomly : 12</li> </ul>

### Section-III

#### State Fact Sheet

Details of availability of storage places and supply chain management are compiled in separately for each state- "state fact sheet". Totally there are twenty two fact sheets compiled in this document.

Each fact sheet has the following details:

1. Introduction: Describes the geographic area of the state, number of A and B category of districts and the facilities present in the DAPCU districts of the state.
2. Supply chain management of commodities requiring cold chain: This details the commodities that are stored, supply of the commodities, capacity of the storage places and the number of storage facilities available.
3. Map depicting the supply of commodities requiring cold chain in the state: State map depicts the supply of commodities from the SACS/NACO to the DAPCUs and the sub district facility.

Green color in the map indicates DAPCU Districts with cold storage facility, Pink color indicates DACPU districts without cold storage facility and white color indicated non DACU district. Solid blue arrow indicates the supply of commodities through vehicle from SACS/NACO to district level. Orange solid arrow indicates the supply of commodities to the districts manually i.e in person by the DAPCU/personnel from the facilities.

4. Table on supply of cold commodities from higher center (SACS/NACO) to district and from district to peripheral units: Table provides details of the districts getting supply from higher centers and the mode of transport along with the indenting mechanism at both district and sub district level.
5. Supply chain management of non-cold commodities: these details the commodities that are stored, supply mechanism of commodities, capacity of the storage places and the number of storage facilities available.
6. Map depicting the supply of non-cold commodities in the state: State map depicts the supply of commodities from the SACS/NACO to the DAPCUs and the sub district facility. Green color in the map indicates DAPCU Districts with non-cold storage facility, Pink color indicates DACPU districts without non cold storage facility and white color indicates non DACU district. Dotted blue arrow indicates the supply of commodities through vehicle from SACS/NACO to district level. Orange dotted arrow indicates the supply of commodities to the districts manually i.e in person by the DAPCU/personnel from the facilities.
7. Table on supply of cold commodities from higher center (SACS/NACO) to district and from district to peripheral units: Table provides details of the districts getting supply from higher centers and the mode of transport along with the indenting mechanism at both district and sub district level.
8. Table-A: this table provides details regarding the type, capacity, AMC, functional status, power backup and location of cold storage places along with contact details of the point person
9. Table-B: Details regarding the location , capacity contact details of the point person of Non cold storage facility,
10. Table-C: Details the Supply chain management of Cold storage commodities across the districts in the state
11. Table-D: Details Supply chain management of Non -Cold commodities across the districts in the state

***In person: This means that either he DAPCU or the personnel from the facilities are in person travelling by public transport (Bus/train/own vehicle) to collect the commodities from SACS/DAPCU***

***By Vehicle: This means that the supply of commodities from the SACS/NACO to DAPCUs is through government vehicle or a transport system established by the SACS/NACO (cold chain couriers) and DAPCUs supply the commodities using the government vehicle to facilities.***

***Both vehicle /in person: Based on the availability one of the above mentioned either by person or by vehicle are used for transport of commodities.***

# Supply Chain Management of Commodities- Andhra Pradesh

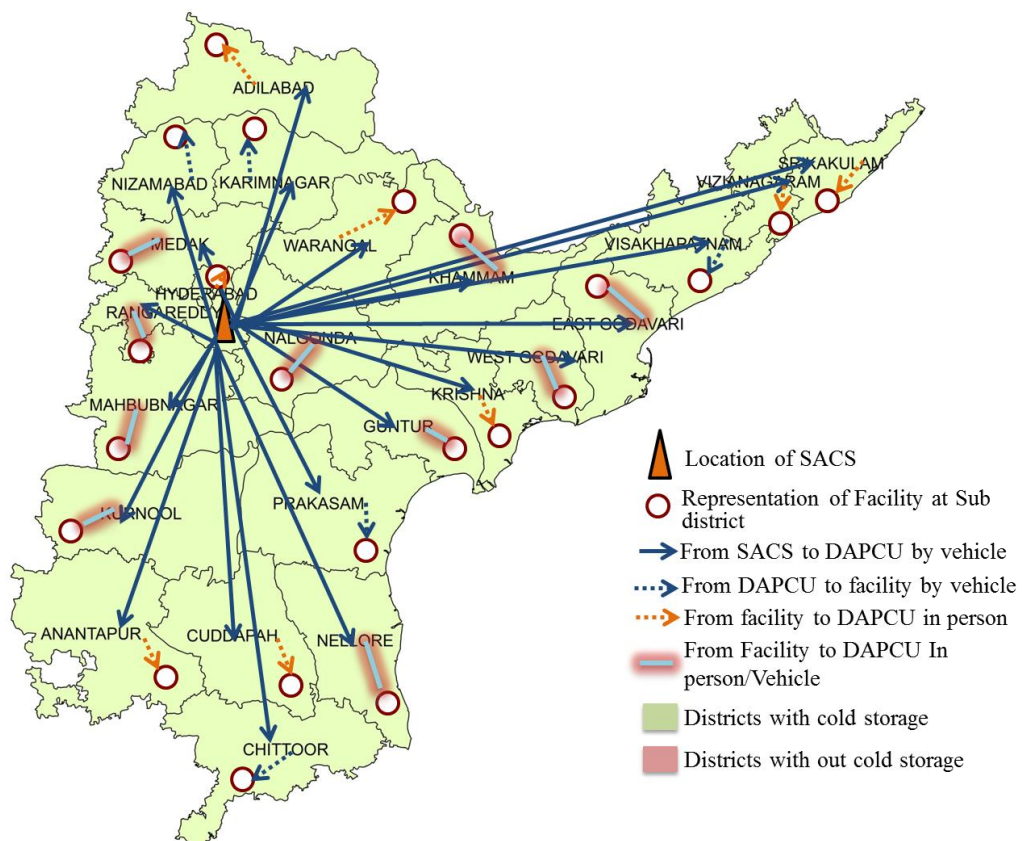
## Fact sheet 1: Andhra Pradesh

### Introduction

Andhra Pradesh is the fifth largest state in India with 23 districts. All the 23 districts in AP are under A category hence DAPCUs were established in all the districts. In order to prevent new infections and contain the spread of transmission, state has established 1681 ICTCs, 43 ART centres, 171 TI projects, 220 Blood Banks, 10 SRLs, 100 DSRCs, 169 STI clinics, 34 CCCs and 74 LACs in the state (AP SACS). Information provided below depicts the supply chain mechanism and the infrastructure to store the same at district and sub district level.

### Supply chain management of commodities requiring cold chain in Andhra Pradesh

In Andhra Pradesh, facility to store cold storage commodities is available at Hyderabad. From the district the commodities are supplied to the DAPCUs. All the districts are having Walk in Coolers (WIC) for storage of commodities that require cold chain. Size of 1 walk in cooler is Length = 5.5m\* Height = 5.5m\* Breadth= 4m. Commodities that are being stored in the cold storage facilities are RPR test kits, Hepatitis – B test kits for blood banks and HIV test kits



## Supply Chain Management of Commodities- Andhra Pradesh

Supply of cold commodities from Higher centre to district			
Districts with cold storage facility N=23		Districts without cold storage facility	
<b>Supply of commodities from the State Level to district</b>	Commodities are being supplied from SACS storage facility in Hyderabad to DAPCUs.	<b>Supply of commodities from the State Level to district</b>	Not Applicable
<b>Mode of supply of commodities from the State Level to district</b>	From the state warehouse all the commodities are supplied to the DAPCU through vehicle with cold box- to all 23 districts.	<b>Mode of supply of commodities from the State Level to district</b>	Not Applicable
<b>Indent mechanism</b>	The stock from state is being sent to districts whenever the stocks are excess at state level and required by DACU	<b>Indent mechanism</b>	Not Applicable
Supply of cold commodities from District to Peripheral unit			
Districts with cold storage facility N=23 Districts		Districts without cold storage facility	
<b>Supply of commodities from the State Level to district</b>	Commodities are being supplied by DAPCU to facilities	<b>Source</b>	Not Applicable
<b>Mode of supply of commodities from the State Level to district</b>	In person- 8 Directly the functionaries from the facilities receive the commodities in person from DAPCU  Vehicle with cold box -5 districts  Both- 10 districts	<b>Mode of supply</b>	Not Applicable
<b>Indent mechanism</b>	Commodities supplied on demand but there is no structured indenting process	<b>Indent</b>	Not Applicable

- Out of 28 WIC 23 are functional but no power back up and no AMC (Table - A)
- Out of 6 ILR/TORs 4 are functional but no power back up and no AMC (Table -A)



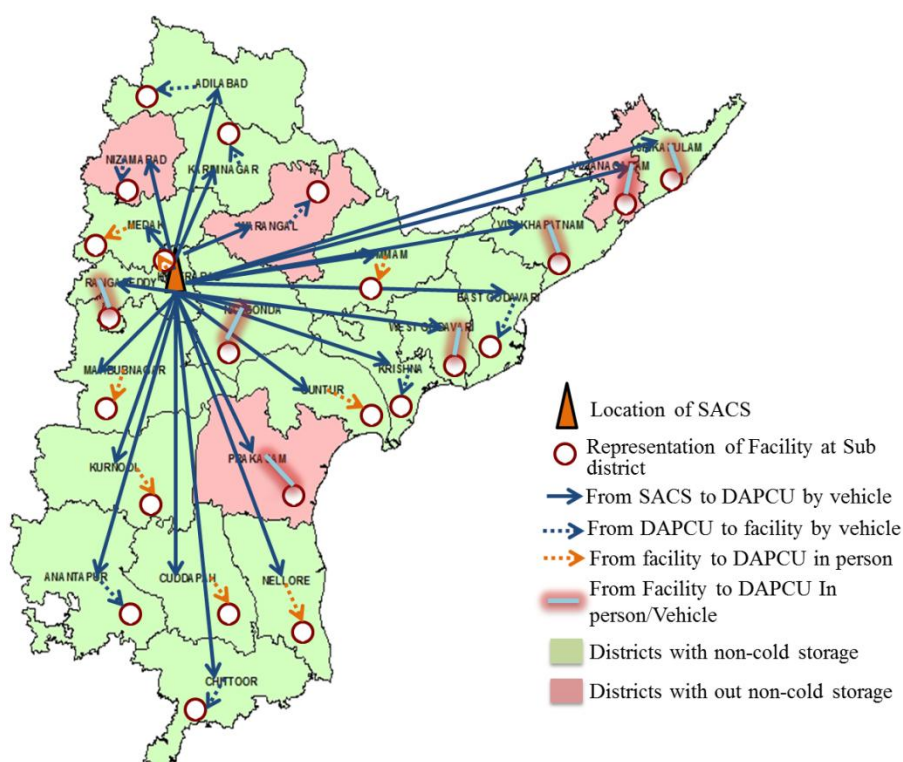
## Supply Chain Management of Commodities- Andhra Pradesh

### Supply chain management of Non-cold commodities in Andhra Pradesh

In Andhra Pradesh, state facility to store Non cold storage commodities is available at Hyderabad. Consumables from Hyderabad are sent to DAPCUs through courier or transport parcel service. The commodities include Lab consumables, registers, IEC materials and Condoms.

Supply of non-cold commodities to all the peripheral units is through DAPCU. The commodities from the district are being taken in person by the lab technician or the counsellor or by vehicle.

### Supply chain management of commodities requiring Non-cold chain



Supply of Non cold commodities from Higher centre to district			
Districts with non-cold storage facility N=19 Districts		Districts without non cold storage facility N= 4 Districts	
<b>Supply of commodities from the State Level to district</b>	Commodities are being supplied from SACS storage facility in Hyderabad.	<b>Source</b>	Commodities are being supplied from SACS.
<b>Mode of supply of commodities from the State Level to district</b>	Commodities are being supplied from Hyderabad to DAPCUs by Courier/parcel	<b>Mode of supply</b>	Courier/parcel
<b>Indent mechanism</b>	Commodities supplied on demand but there is no structured indenting process	<b>Indent mechanism</b>	No Structured mechanism
Supply of Non cold commodities from district to peripheral units			

## Supply Chain Management of Commodities- Andhra Pradesh

Districts with non-cold storage facility N=19 Districts		Districts without non cold storage facility N= 4 Districts	
<b>Supply of commodities from the district Level to facilities</b>	DAPCU supplies the kits to the peripheral units	<b>Supply of commodities from the district Level to facilities</b>	DAPCU supplies the kits to the peripheral units
<b>Mode of supply of commodities from the district to facility</b>	In person-8 Vehicle -6 Both-5	<b>Mode of supply of commodities from the district to facility</b>	Both-3 Through Vehicle-1
<b>Indent mechanism</b>	Commodities supplied on demand but there is no structured indenting process	<b>Indent mechanism</b>	Commodities supplied on demand but there is no structured indenting process

## Supply Chain Management of Commodities- Andhra Pradesh

**Table A: Details regarding the location of cold storage places, contact details of the point person**

Sl.No	District	Type of cold storage	Space (WIC- Sqft & ILR- Its)	Point person	Designation	Address	AMC (Yes/No)	Functional status (Yes/No)	Power backup (Yes/No)
1	Adilabad	Walk in cooler	64	DAPCU staff	DAPCU staff	O/o Addl.DM & HO, DAPCU, II floor, DM&HO Campus, Vinayakachowk, Adilabad- 504 001, Contact No: 08732-222192, +91-9177103173 (DSMA)	No	Yes	No
2	Ananthapur	Walk in cooler	100	NMS.Ahammad & A. Narayana Swamy	Programm Asst & Account Asst	1. NMS.Ahammad (Dist.Prog.Assist) 9347378345 & A.Narayana Swamy (Accountant) 9177103234, Addl.DM&HO(A&L) O/o D.M.H.O Campus Opp.Govt General Hospital Anantapur-515001	No	Yes	No
		Walk in cooler				SRL, Micro biology Dept, Medical college	No	No	No
		ILR/TOR				Addl.DM&HO(A&L) O/o D.M.H.O Campus Opp.Govt General Hospital Anantapur-	No	No	No

**Supply Chain Management of Commodities- Andhra Pradesh**

Sl.No	District	Type of cold storage	Space (WIC- Sqft & ILR- lts)	Point person	Designation	Address	AMC (Yes/No)	Functional status (Yes/No)	Power backup (Yes/No)
						515001			
3	Chittoor	Walk in cooler	100	1. DAPCU Staff	1. DAPCU Staff	1. Addl. DM&HO (A&L), SVRRGGH Campus, Tirupati, Chittoor Dist. Ph: 9849902375	No	Yes	No
		Walk in cooler	100	2. Medical officer	2. Medical officer	2. The Medical Officer, Model Blood Bank, SVRRGGH Campus, Tirupati, Chittoor Dist. Ph:9849099750	No	Yes	No
		Walk in cooler	100	3. HOD of Microbiology	3. HOD of Microbiology	3. The HOD, Dept. of Microbiology, SV Medical College, Tirupati, Chittoor Dist. Ph: 9866593110	No	No	No
		ILR/TOR				District hospital of Chittoor	No	Yes	No
		ILR/TOR				District hospital of Tirupati	No	Yes	No
4	East Godavari	Walk in cooler	100	DAPCU staff	DAPCU staff	Addl. Dist. Medl. & Health Officer(A&L), DM & HO Campus, 2nd Floor, Near P R Collage, East Godavari Dist., Kakinada.	No	Yes	No

### Supply Chain Management of Commodities- Andhra Pradesh

Sl.No	District	Type of cold storage	Space (WIC- Sqft & ILR- Its)	Point person	Designation	Address	AMC (Yes/No)	Functional status (Yes/No)	Power backup (Yes/No)
5	Guntur	Walk in cooler	80	1. Mr. A.Srinadh	1.DAPCU Staff	1) Addl. DM&HO (A&L), 3rd Floor, DM&HO Office campus, Nagaram palam road, opp. Collectorate, Guntur, Contact Person, Mr. A.Srinadh, Programme Assistant, Cell: 9297204655	No	yes	No
		Walk in cooler	80	Mr.Pavan	Technical Officer	SRL, Guntur Medical college, Guntur Mr.Pavan, Technical officer, SRL, cell: 8019331984	No	No	No
		ILR/TOR					Yes	Yes	Yes
6	Hyderabad	Walk in cooler	49	B. Madhu	Program Assistant	B. Madhu, DPA, Mob: 9666148127, DAPCU, O/o ADM&HO (A&L), Behind Osmania Gen. Hosp., Kolsawadi, Begumbazar, Hyd.	No	Yes	No
7	Kadapa	Walk in cooler		Dr. Naga Srilatha	HoD of Microbiology	Dr. Naga Srilatha , Dept. Micro Biology, RIMS Medical College, Kadapa, Y.S.R. Dist.516004 Cell	No	yes	No

**Supply Chain Management of Commodities- Andhra Pradesh**

Sl.No	District	Type of cold storage	Space (WIC- Sqft & ILR- Its)	Point person	Designation	Address	AMC (Yes/No)	Functional status (Yes/No)	Power backup (Yes/No)
		ILR/TOR	220	Dr. C. Aruna Sulochana Devi	DAPCU Staff	No: 9985955149 ILR: Dr. C. Aruna Sulochana Devi ,ADM&HO (A&L), DAPCU Unit, DM&HO Campus, Akkayapalli, Kadapa, Y.S.R. District, 516003, Off No: 08562 245252 TOR:E. Chandraiah, ICTC Counsellor, RIMS General Hospital, Kadapa , Cell No: 8142540646	No	yes	No
8	Karimnagar	Walk in cooler	225	DAPCU staff	DAPCU staff	DPM: 9177103189, DIS: 9959550382, DSMA: 9177103191 O/o ADMHO(A&L), District Hq Hospital premises, Karimnagar	No	Yes	No
9	Khammam	Walk in cooler	80	Mr. Md. Mahamood Ali	DSMA	Add. DM&HO (A&L), 2nd Floor, DM&HO Office Building, Nehru Nagar, Khammam - 507001 Contact Person, Mr. Md. Mahamood Ali, DSMA, Cell: 9177102122	No	Yes	No

### Supply Chain Management of Commodities- Andhra Pradesh

Sl.No	District	Type of cold storage	Space (WIC- Sqft & ILR- Its)	Point person	Designation	Address	AMC (Yes/No)	Functional status (Yes/No)	Power backup (Yes/No)
10	Krishna	Walk in cooler	576	1. Kishore	1. SRL LT	1. Kishore SRL LT - 9247215893 Govt General Hospital, beside NTR university, Eluru Raod, Vijayawada, Krishna Dist, PIN NO:521108	No	Yes	No
		Walk in cooler	576	2. Sudhakar	2. VCTC LT	2. Sudhakar LT(VCTC) - 9989462846 District Hospital, near Noble college, Machilipatnam, Krishna Dist, PIN NO:521001	No	Yes	No
11	Kurnool	Walk in cooler	80	Jagadeesh	LT	Medical Superintendent, Govt General Hopital, (Blood Bank)Kurnol- 518002, Jagadeesh LT.9849765195	No	Yes	No
		ILR/TOR				Addl DM&HO office	No	No	No
12	Mahabubnagar	Walk in cooler	80	Mr. P.Surendar Reddy	DSMA	Addl. DM&HO (A&L), 2nd Floor, DM&HO Office Building, Mahabubnagar - 509001 Contact Person, Mr. P.Surendar Reddy, DSMA, Cell: 9177103200	No	Yes	No

### Supply Chain Management of Commodities- Andhra Pradesh

Sl.No	District	Type of cold storage	Space (WIC- Sqft & ILR- Its)	Point person	Designation	Address	AMC (Yes/No)	Functional status (Yes/No)	Power backup (Yes/No)
13	Medak	Walk in cooler	64	G.AMAR	Program Assistant	Addl. DM&HO (A&L), 2nd Floor, DM&HO Office Building, Medak - 502001 Contact Person,G.AMAR, Program Assistant, Cell: 9059476070	No	No	No
14	Nalgonda	Walk in cooler	80	DAPCU staff	DAPCU Staff	Addl District Medical & Health officer Near Onetown Police Station ,Deverakonda Road, Nalgonda Cell. No.9703043720	No	Yes	No
		ILR/TOR	200	Dr.B.M.Chandrashekar	Medicla Superintendent	Dr.B.M.Chandrashekar, Medical Supdent.Area Hospital Suryapet , Nalgonda District, Cell no. 9885904923	No	Yes	No
15	Nellore	Walk in cooler	288	G. Prakash rao	Program Assistant	G. Prakash rao DPA, DAPCU, O/o ADM&HO (A&L), 2nd flore, DM&HO campus, Santhapet, Nellore - 524001,	No	Yes	No
16	Nizamabad	Walk in cooler	576	Dr. Kannaiah	Addl DM & HO	Dr. Kannaiah Addl.DM&HO Lep/AIDS C/o DM& HO Ofiice 2nd Floor, Kaleelwadi,	No	yes	No



### Supply Chain Management of Commodities- Andhra Pradesh

Sl.No	District	Type of cold storage	Space (WIC-Sqft & ILR- Its)	Point person	Designation	Address	AMC (Yes/No)	Functional status (Yes/No)	Power backup (Yes/No)
						Nizamabad. PIN- 503001			
		ILR/TOR	300	Dr. Kannaiah	DAPCU staff	Dr. Kannaiah Addl.DM&HO Lep/AIDS C/o DM& HO Ofiice 2nd Floor, Kaleelwadi, Nizamabad. PIN- 503001	No	Yes	No
17	Prakasham	Walk in cooler	576	Mr.T.Ranga Rao	DPM	Mr.T.Ranga Rao, DPM, 9177103210, Clough Peta 5th Line, Ongole, Prakasam Dist	No	Yes	No
18	Rangareddy	Walk in cooler	80	DAPCU staff	DAPCU Staff	DAPCU Team Village:Shivarampally Mandal:Rajendranagar District: Ranga Reddy-500052, Land No.040-24002461	No	Yes	No
19	Srikakulam	Walk in cooler	100	J. Santhosh Kumar	Program Assistant	J. Santhosh Kumar, Dist. Program Asst., 2nd Floor, DAPCU, Srikakulam Dist - 532001, Cell: 9490596688	No	yes	No
		ILR/TOR				2nd Floor, DAPCU, Srikakulam Dist - 532001	No	No	No

### Supply Chain Management of Commodities- Andhra Pradesh

Sl.No	District	Type of cold storage	Space (WIC-Sqft & ILR- Its)	Point person	Designation	Address	AMC (Yes/No)	Functional status (Yes/No)	Power backup (Yes/No)
20	Vishakapatnam	Walk in cooler	576	1. Dr.R. Ramesh	1. DAPCu Staff	1. Dr.R. Ramesh, ADMHO(A&L),ADMHO(A&L) office, Beside Regional eye hospital, opp Bullaiah college, Visakhapatnam. Ph no. 9849902295	No	yes	No
		Walk in cooler	576	2. Dr. Jyothi Padmaja	2. HOD Microbiology	2. Dr. Jyothi Padmaja,HOD, Dept of Microbiology, King George Hospital, Visakhapatnam. Ph.9848580155	No	yes	No
		ILR/TOR	300				No	No	No
		ILR/TOR	300				No	No	No
		ILR/TOR	300				No	No	No
21	Vizianagaram	Walk in cooler	576	Mr. P. Balajee	DPM	Mr. P. Balajee, DPM	No	No	No
22	Warangal	Walk in cooler	576	SK.AMEENA SAHEB	DAPCU Staff	SK.AMEENA SAHEB CELL-9849737521 O/o ADDL DM&HO (AIDS&Lep) GOWTHAMI NAGAR, DOCTORS COLONY, PHASE-1, WARANGAL	No	Yes	No

### Supply Chain Management of Commodities- Andhra Pradesh

Sl.No	District	Type of cold storage	Space (WIC-Sqft & ILR- Its)	Point person	Designation	Address	AMC (Yes/No)	Functional status (Yes/No)	Power backup (Yes/No)
		ILR/TOR	250	SK.AMEENA SAHEB	DAPCU Staff	1. SK.AMEENA SAHEB CELL-9849737521 O/o ADDL DM&HO (AIDS&Lep) GOWTHAMI NAGAR, DOCTORS COLONY, PHASE-1, WARANGAL	No	yes	No
23	West Godavari	Walk in cooler	80	Mr. P.Suresh	DSMA	Addl. DM&HO (A&L), 2nd Floor, DM&HO Office Building, Near Old Bus stand Eluru, West Godavari District, 534001 Contact Person, Mr. P.Suresh, DSMA, Cell: 9177103228	No	No	No
		ILR/TOR					No	No	No

## Supply Chain Management of Commodities- Andhra Pradesh

**Table B: Details regarding the location of Non cold storage facility, contact details of the point person**

Sl.No	District	No of Non cold storage facilities	Capacity (sqft)	Point person	Designation	Address
1	Adilabad	1	225	DAPCU Staff	DAPCU Staff	DM&HO Campus, Vinayakachowk, Adilabad-504001 Contact No: 08732-222192, +91-9177103173 (DSMA)
2	Ananthapur	1	120	1. NMS.Ahammad 2. A.Narayana Swamy	Programme Asst& Account Asst	1. NMS.Ahammad (Dist.Prog.Assist) 9347378345 Addl.DM&HO(A&L) O/o D.M.H.O Campus Opp.Govt General Hospital Anantapur-515001 2. A.Narayana Swamy (Accountant) 9177103234 Addl.DM&HO(A&L) O/o D.M.H.O Campus Opp.Govt General Hospital Anantapur-515001
3	Chittoor	1	48	E.Lalitha	DPM	E.Lalitha, DPM-DAPCU, O/o Addl.DM&HO (A&L), SVRRGGH campus, Tirupati Ph:9177103174
4	East Godavari	1	100	DAPCU Staff	DAPCU Staff	Addl. Dist. Medl. & Health Officer(A&L), DM & HO Campus, 2nd Floor, Near P R Collage, East Godavari Dist., Kakinada.

**Supply Chain Management of Commodities- Andhra Pradesh**

Sl.No	District	No of Non cold storage facilities	Capacity (sqft)	Point person	Designation	Address
5	Guntur	1	80	Mr. A.Srinadh	Programme Asst	1) Addl. DM&HO (A&L), 3rd Floor, DM&HO Office campus, Nagaram palam road, opp. Collectorate, Guntur, Contact Person, Mr. A.Srinadh, Programme Assistant, Cell: 9297204655
6	Hyderabad	1	50	B. Madhu	Programme Asst	B. Madhu, DPA Mob: 9666148127 DAPCU, O/o ADM&HO (A&L), Behind Osmania Gen. Hosp., Kolsawadi, Begumbazar, Hyd.
7	Kadapa	1	120	Dr. C. Aruna Sulochana Devi	DAPCU Staff	ILR: Dr. C. Aruna Sulochana Devi ,ADM&HO (A&L), DAPCU Unit, DM&HO Campus, Akkayapalli, Kadapa, Y.S.R. District, 516003, Off No: 08562 245252
8	Karimnagar	1	250	DAPCU Staff	DAPCU Staff	DPM: 9177103189 DIS: 9959550382 DSMA: 9177103191 O/o ADMHO(A&L), District Hq Hospital premises, Karimnagar
9	Khammam	1	180	Md. Mahamood Ali	M&E Asst	Md. Mahamood Ali, M&E, Addl. DM&HO (A&L), 2nd Floor, DM&HO Office Building, Nehru Nagar, Khammam - 507001

**Supply Chain Management of Commodities- Andhra Pradesh**

Sl.No	District	No of Non cold storage facilities	Capacity (sqft)	Point person	Designation	Address
10	Krishna	1	64	Raju	Programme Asst	Raju Programme Assistant - 9949424409 O/o Addl. DM&HO Office, Opp INOX theater Gandhi Nagar, Vijayawada, Krishna Dist
11	Kurnool	1	180	Jagadish	Medical superindent	Medical Superintendent,GGH- Kurnool,Jagadish Cell:No:9010710330 & J.Devi Shankar Gouda,DSMA-9177103197
12	Mahabubnagar	1	180	P.Surendar Reddy	M&E Asst	P.Surendar Reddy, M&E, Addl. DM&HO (A&L), 2nd Floor, DM&HO Office Building,, Mahabubnagar - 509001
13	Medak	2	400 (2)	G.Amar	Programme Asst	G.Amar, Program Assistant,DAPCU,Temporary Health Ward(Leprosy)Medak Dist. - 502001
14	Nalgonda	1	200	DAPCU Staff	DAPCU Staff	Addl District Medical & Health officer Near Onetown Police Station ,Deverakonda Road, Nalgonda Cell. No.9703043720
15	Nellore	1	1584	G. Prakash rao	Programme Asst	G. Prakash rao DPA, DAPCU, O/o ADM&HO (A&L), 2nd flore, DM&HO campus, Santhapet, Nellore - 524001,
16	Rangareddy	1	200	DAPCU Staff	DAPCU Staff	DAPCU Team Village:Shivarampally Mandal:Rajendranagar District: Ranga Reddy-500052, Land No.040-24002461

### Supply Chain Management of Commodities- Andhra Pradesh

Sl.No	District	No of Non cold storage facilities	Capacity (sqft)	Point person	Designation	Address
17	Srikakulam	1	250	J. Santhosh Kumar	Programme Asst	J. Santhosh Kumar Dist. Program Asst., 2nd Floor, DAPCU, Srikakulam Dist - 532001, Cell: 9490596688
18	Vishakapatnam	1		Dr.R. Ramesh	DAPCU Staff	Dr.R. Ramesh, ADMHO(A&L),ADMHO(A&L) office, Beside Regional eye hospital, opp Bullaiah college, Visakhapatnam. Ph no. 9849902295
19	West Godavari	1	180	Mr. P.Suresh	DSMA	Addl. DM&HO (A&L), 2nd Floor, DM&HO Office Building, Near Old Bus stand Eluru, West Godavari District, 534001 Contact Person, Mr. P.Suresh, DSMA, Cell: 9177103228

**Table I: Supply chain management of Cold storage commodities in the state of Andhra Pradesh**

District	Type of Cold storage	Space (WIC- sqft & ILR/TOR -Its)	Consumables received	District		Sub district level	
				From where received	How received	From where received	How received

### Supply Chain Management of Commodities- Andhra Pradesh

District	Type of Cold storage	Space (WIC-sqft & ILR/TOR -Its)	Consumables received	District		Sub district level	
				From where received	How received	From where received	How received
Adilabad	WIC (1)	64	HIVkits, RPR kits & Neverapine	SACS	Vehicle with cold box	DAPCU	In person from facilities with cold box carriers
Ananthapur	Both (WIC-2, ILR/TOR-1)	WIC-100(2)	HIV Kits	SACS	Vehicle with cold box	DAPCU	In person from facilities with cold box carriers
Chittoor	Both (WIC-3, ILR/TOR-2)	WIC- 100 (3)	HIVkits, RPR kits & Neverapine	SACS	Vehicle with cold box	DAPCU	Vehicle from District
East Godavari	WIC (1)	100	HIVkits, RPR kits & Neverapine	SACS	Vehicle with cold box	DAPCU	In person/Vehicle
Guntur	Both (WIC-2, ILR/TOR-1)	WIC -80 (2)	HIVkits, RPR kits	SACS	Vehicle with cold box	DAPCU	In person/Vehicle
Hyderabad	WIC (1)	49	HIVkits, RPR kits & Neverapine	SACS	Vehicle with cold box	DAPCU	In person from facilities with cold box carriers
Kadapa	Both (WIC-1, ILR-1)	ILR/TOR -220	HIVkits, RPR kits	SACS	Vehicle with cold box	DAPCU	In person from facilities with cold box carriers
Karimnagar	WIC (1)	225	HIVkits, RPR kits & Neverapine	SACS	Vehicle with cold box	DAPCU	Vehicle from District
Khammam	WIC (1)	80	HIVkits, RPR kits &	SACS	Vehicle with cold box	DAPCU	In person/Vehicle



### Supply Chain Management of Commodities- Andhra Pradesh

District	Type of Cold storage	Space (WIC-sqft & ILR/TOR -Its)	Consumables received	District		Sub district level	
				From where received	How received	From where received	How received
			Neverapine				
Krishna	WIC (2)	576	HIVkits, RPR kits & STI kits	SACS	Vehicle with cold box	DAPCU	In person from facilities with coldbox carriers
Kurnool	Both (WIC-1, ILR/TOR-1)	WIC-80		SACS	Vehicle with cold box	DAPCU	In person/Vehicle
Mahabubnagar	WIC (1)	80	HIVkits, RPR kits & Neverapine	SACS	Vehicle with cold box	DAPCU	In person/Vehicle
Medak	WIC (1)	64	HIVkits, RPR kits & Neverapine	SACS	Vehicle with cold box	DAPCU	In person/Vehicle
Nalgonda	Both (WIC-1, ILR-1)	WIC-80 & ILR/TOR - 200	HIVkits, RPR kits & Neverapine	SACS	Vehicle with cold box	DAPCU	In person/Vehicle
Nellore	Both (WIC-1, ILR-1)	WIC-288	HIVkits, RPR kits	SACS	Vehicle with cold box	DAPCU	In person/Vehicle
Nizamabad	Both (WIC-1, ILR-1)	WIC-576 & ILR/TOR -300		SACS	Vehicle with cold box	DAPCU	Vehicle from District
Prakasham	WIC (1)	576		SACS	Vehicle with cold box	DAPCU	Vehicle from District
Rangareddy	WIC (1)	80		SACS	Vehicle with cold box	DAPCU	In person/Vehicle
Srikakulam	Both (WIC-1, ILR/TOR-1)	WIC-100		SACS	Vehicle with cold box	DAPCU	In person from facilities with cold box carriers

### Supply Chain Management of Commodities- Andhra Pradesh

District	Type of Cold storage	Space (WIC-sqft & ILR/TOR -Its)	Consumables received	District		Sub district level	
				From where received	How received	From where received	How received
Vishakapatnam	Both (WIC-2, ILR-3)	WIC -576(2) & ILR/TOR(3) - 300		SACS	Vehicle with cold box	DAPCU	Vehicle from District
Vizianagaram	WIC (1)	576		SACS	Vehicle with cold box	DAPCU	In person from facilities with cold box carriers
Warangal	Both (WIC-1, ILR-1)	WIC -576(1) - 576 & ILR/TOR(1) - 250		SACS	Vehicle with cold box	DAPCU	In person from facilities with cold box carriers
West Godavari	Both (WIC-1, ILR-1)	WIC-80		SACS	Vehicle with cold box	DAPCU	In person/Vehicle

**Table II: Supply chain management of Non -Cold commodities in the state of Andhra Pradesh**

District	Availability of Non cold storage	Space (Sqft)	Consumables received	District level		Sub district level	
				From where received	How received	From where received	How received
Adilabad	1	225	Lab related, Registers, Condoms & IEC materials	SACS	Courier/Parcel	DAPCU	Through vehicle
Ananthapur	1	120	Lab related, Registers, Condoms & IEC materials	SACS	Courier/Parcel	DAPCU	Through vehicle

### Supply Chain Management of Commodities- Andhra Pradesh

District	Availability of Non cold storage	Space (Sqft)	Consumables received	District level		Sub district level	
				From where received	How received	From where received	How received
Chittoor	1	48	Lab related, Registers, Condoms & IEC materials	SACS	Courier/Parcel	DAPCU	Through vehicle
East Godavari	1	100	Lab related, Registers, Condoms & IEC materials	SACS	Courier/Parcel	DAPCU	Through vehicle
Guntur	1	80	Lab related, Registers, Condoms & IEC materials	SACS	Courier/Parcel	DAPCU	In person
Hyderabad	1	50	Lab related, Registers, Condoms & IEC materials	SACS	Courier/Parcel	DAPCU	In person
Kadapa	1	120	Lab related, Registers, Condoms & IEC materials	SACS	Courier/Parcel	DAPCU	In person
Karimnagar	1	250	Lab related, Registers, Condoms & IEC materials	SACS	Courier/Parcel	DAPCU	Through vehicle
Khammam	1	180	Lab related, Registers, Condoms & IEC materials	SACS	Courier/Parcel	DAPCU	In person
Krishna	1	64	Lab related, Registers, Condoms & IEC materials	SACS	Courier/Parcel	DAPCU	Through vehicle
Kurnool	1	180	Lab related, Registers, Condoms & IEC materials	SACS	Courier/Parcel	DAPCU	In person

### Supply Chain Management of Commodities- Andhra Pradesh

District	Availability of Non cold storage	Space (Sqft)	Consumables received	District level		Sub district level	
				From where received	How received	From where received	How received
Mahabubnagar	1	180	Lab related, Registers, Condoms & Other	SACS	Courier/Parcel	DAPCU	In person
Medak	2	400	Lab related, Registers, Condoms	SACS	Courier/Parcel	DAPCU	In person
Nalgonda	1	200	Lab related, Registers, Condoms & IEC materials	SACS	Courier/Parcel	DAPCU	Both
Nellore	1	1584	Lab related, Registers, Condoms & IEC materials	SACS	Courier/Parcel	DAPCU	In person
Nizamabad	Not available	200		SACS	Courier/Parcel	DAPCU	Through vehicle
Prakasham	Not available			SACS	Courier/Parcel	SACS	Both
Rangareddy	1	200	Lab related, Registers, Condoms & IEC materials	SACS	Courier/Parcel	DAPCU	Both
Srikakulam	1	250	Lab related, Registers, Condoms & IEC materials	SACS	Courier/Parcel	DAPCU	Both
Vishakapatnam	1		Lab related, Registers, Condoms & IEC materials	SACS	Courier/Parcel	DAPCU	Both
Vizianagaram	Not available			SACS	Courier/Parcel	SACS	Both
Warangal	Not available			SACS	Courier/Parcel	DAPCU	Through vehicle

### Supply Chain Management of Commodities- Andhra Pradesh

District	Availability of Non cold storage	Space (Sqft)	Consumables received	District level		Sub district level	
				From where received	How received	From where received	How received
West Godavari	1	180	Lab related, Registers, Condoms, IEC materials & Other	SACS	Courier/Parcel	DAPCU	Both

## Supply Chain Management of Commodities- Arunachal Pradesh

### Fact sheet 2: Arunachal Pradesh

#### Introduction

Arunachal Pradesh is situated in the North-Eastern part of India with 83743 sq. kms area. Arunachal is the largest state area-wise and has 16 districts out of which Lohit has DAPCU. In order to prevent new infections and contain the spread of transmission, state has established 3 ICTCs, 1 Link ART centre, 4 TI projects, 1 Blood Bank and 1 DSRC in the state(*as per Nov11 DAPCU monthly reports*)

- Both Cold and non-cold storage facilities are not available in the district
- DAPCU is not involving in supply chain management. Functionaries from the facilities directly receive the commodities in person from SACS.

## Supply Chain Management of Commodities- Assam

### Fact sheet 3: Assam

#### Introduction

Assam is the gateway to the northeastern part of India and is bordered in the North and East by the Kingdom of Bhutan and Arunachal Pradesh. Assam has 27 districts out of which only Kamrup District has DAPCU. In order to prevent new infections and contain the spread of transmission, state has established 29 ICTCs, 7 Tis, 13 Blood Banks, 6 Blood Storage Units, 2DSRC clinics, 1 ART center, 1 Link ART center, 1 CCC, 1 SRL and 1 DIC and 1 Mobile ICTC in the state (*as per November11 DAPCU monthly reports*).

#### Supply chain management of commodities in Assam

- Both Cold and non-cold storage facilities are not available in the district
- DAPCU collect the commodities from SACS and immediately distributing to facilities as they don't have any storage place. The remaining stock they are storing in District hospital (for Cold they are using refrigerator)

Supply of cold commodities from Higher centre to district			
Districts with cold storage facility N=0		Districts without cold storage facility N=1	
Supply of commodities from the State Level to district	Not Applicable	Supply of commodities from the State Level to district	Commodities are being supplied from SACS
Mode of supply of commodities from the State Level to district	Not Applicable	Mode of supply of commodities from the State Level to district	In person from DAPCU
Indent mechanism	Not Applicable	Indent mechanism	No Structured mechanism
Supply of cold commodities from district to peripheral centres			
Districts with cold storage facility N=0		Districts without cold storage facility N=1	
Supply of commodities from district to peripheral units	Not Applicable	Supply of commodities from district to peripheral units	Commodities are being supplied from DAPCU
Mode of supply of commodities from the district to facilities	Not Applicable	Mode of supply of commodities from the district to facilities	Functionaries from the facilities directly receive the commodities in person from DAPCU
Indent mechanism	Not Applicable	Indent	No Structured mechanism

- Non Cold storage facility is not available in the district

## Supply Chain Management of Commodities- Assam

Supply of Non cold commodities from Higher centre to district			
Districts with Non cold storage facility N=0		Districts without Non cold storage facility N=1	
<b>Supply of commodities from the State Level to district</b>	Not Applicable	<b>Supply of commodities from the State Level to district</b>	Commodities are being supplied from SACS
<b>Mode of supply of commodities from the State Level to district</b>	Not Applicable	<b>Mode of supply of commodities from the State Level to district</b>	In person from DAPCU
<b>Indent mechanism</b>	Not Applicable	<b>Indent mechanism</b>	No Structured mechanism
Districts with Non cold storage facility at Sub district level N=0		Districts without Non cold storage facility at sub district level N=1	
<b>Supply of commodities from the district to facilities</b>	Not Applicable	<b>Supply of commodities from the district to facilities</b>	Commodities are being supplied from DAPCU
<b>Mode of supply of commodities from the district to facilities</b>	Not Applicable	<b>Mode of supply of commodities from the district to facilities</b>	Functionaries from the facilities directly receive the commodities in person from DAPCU
<b>Indent mechanism</b>	Not Applicable	<b>Indent mechanism</b>	No Structured mechanism



## Supply Chain Management of Commodities- Bihar

### Fact sheet 4: Bihar

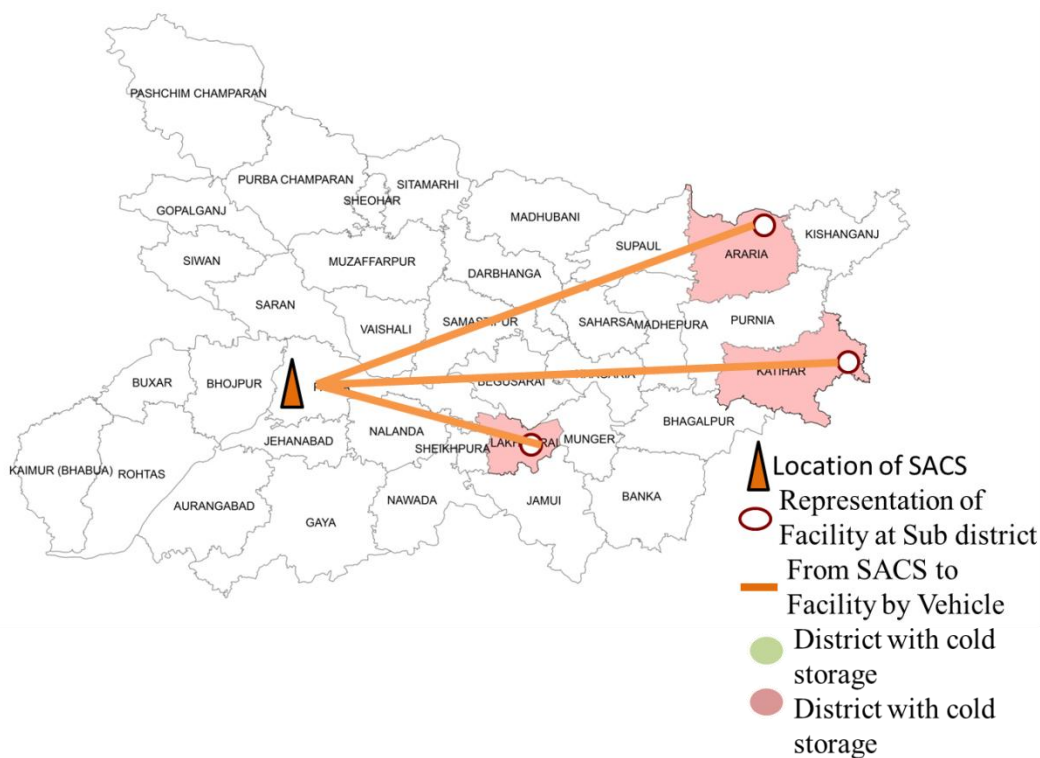
#### Introduction

Bihar is the largest state in India (by area) with 38 districts and the state 3rd populous state in country. DAPCUs are established in 3 high HIV prevalent districts in Bihar. In order to prevent new infections in 3 districts state has established 14 ICTCs, 2 Link ART centre, 2 STI Clinic, 1 Blood Bank, 2 Blood storage unit and 2 TI Projects (as per November'11 DAPCU monthly reports).

#### Supply chain management of commodities requiring cold chain in Bihar

In Bihar 3 DAPCUs are not having cold storage facilities and also DAPCU team is not involving in any supply chain management. From facilities either counsellor or LT will go and collect the stock from SACS.

#### Supply chain management cold commodities- Bihar



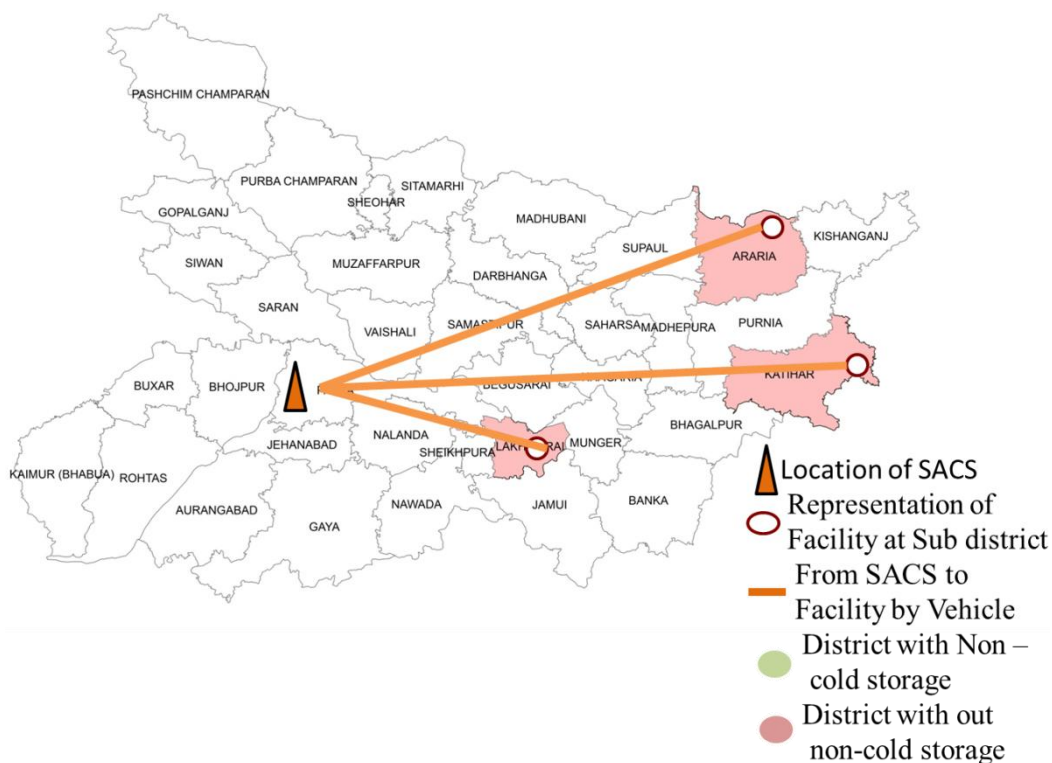
Supply of cold commodities from Higher centre to district			
Districts with cold storage facility N=0		Districts without cold storage facility N=3	
Supply of commodities from the State Level to district	Not applicable	Supply of commodities from the State Level to district	Not applicable
Mode of supply of commodities from the State Level to district	Not applicable	Mode of supply of commodities from the State Level to district	Not applicable
Indent mechanism	Not applicable	Indent mechanism	Not applicable

## Supply Chain Management of Commodities- Bihar

Supply of cold commodities from district to peripheral centres			
Districts with cold storage facility N=0		Districts without cold storage facility N=3	
<b>Supply of commodities from district to peripheral units</b>	Not applicable	<b>Supply of commodities from district to peripheral units</b>	Commodities to facilities are supplied by SACS
<b>Mode of supply of commodities from the district to facilities</b>	Not applicable	<b>Mode of supply of commodities from the district to facilities</b>	In person from facilities
<b>Indent mechanism</b>	Not applicable	<b>Indent</b>	No Structured mechanism

### Supply chain management of Non-cold commodities in the Bihar

In Bihar 3 DAPCUs are not having cold storage facilities and also DAPCU team is not involving in any supply chain management. From facilities either counsellor or LT will go and collect the stock from SACS.



Supply of Non cold commodities from Higher centre to district			
Districts with Non cold storage facility N=0		Districts without Non cold storage facility N=3	
<b>Supply of commodities from the State Level to district</b>	Not applicable	<b>Supply of commodities from the State Level to district</b>	Not applicable

### Supply Chain Management of Commodities- Bihar

<b>Mode of supply of commodities from the State Level to district</b>	Not applicable	<b>Mode of supply of commodities from the State Level to district</b>	Not applicable
<b>Indent mechanism</b>	Not applicable	<b>Indent mechanism</b>	Not applicable
<b>Supply of Non cold commodities from district to peripheral centres</b>			
<b>Districts with Non cold storage facility N=0</b>		<b>Districts without Non cold storage facility N=3</b>	
<b>Supply of commodities from district to peripheral units</b>	Not applicable	<b>Supply of commodities from district to peripheral units</b>	Commodities to facilities are supplied by SACS
<b>Mode of supply of commodities from the district to facilities</b>	Not applicable	<b>Mode of supply of commodities from the district to facilities</b>	In person from facilities
<b>Indent mechanism</b>	Not applicable	<b>Indent</b>	No Structured mechanism

## Supply Chain Management of Commodities- Bihar

**Table I: Supply chain management of Cold storage commodities in the state**

District	Type of Cold Storage	District level		Sub district level	
		From where received	How received	From where received	How received
Araria	Not Available	Not Applicable	Not Applicable	SACS	In person from facilities with cold box carriers
Katihar	Not Available	Not Applicable	Not Applicable	SACS	In person from facilities with cold box carriers
Lakhisarai	Not Available	Not Applicable	Not Applicable	SACS	In person from facilities with cold box carriers

**Table II: Supply chain management of Non -Cold commodities in the state**

District	No of Non cold storage facilities	District level		Sub district level	
		From where received	How received	From where received	How received
Araria	Not Available	Not Applicable	Not Applicable	SACS	In person from facility
Katihar	Not Available	Not Applicable	Not Applicable	SACS	In person from facility
Lakhisarai	Not Available	Not Applicable	Not Applicable	SACS	In person from facility

## Supply Chain Management of Commodities- Delhi

### Fact sheet 5: Delhi

#### Introduction

Delhi is the National Capital of India. The National Capital Territory (NCT) is the largest metropolis by area and the second-largest by population in India, next to Mumbai. Delhi has a population of 11 million, with 9 districts, of which DAPCUs are established in 4 High HIV prevalent districts. In order to prevent new infections and contain the spread of transmission, state has established 94 ICTCs, 10 ART centres, 85 TI projects, 18 Blood Banks (NACO supported), 10-Blood storage centres, 4 SRLs, 18 STI clinics and 5 CCCs, 5 DICs, across the state.(source- SACS website)

#### Supply chain management of cold commodities in the Delhi

- There is no walk in cooler or ILR/TOR at the district level in any of the districts since the supply is directly from SACS to sub district level facilities.

Supply of cold commodities from Higher centre to district			
Districts with cold storage facility N=0		Districts without cold storage facility =4	
Supply of commodities from the State Level to district	Not Applicable	Supply of commodities from the State Level to district	Not Applicable
Mode of supply of commodities from the State Level to district	Not Applicable	Mode of supply of commodities from the State Level to district	Not Applicable
Indent mechanism	Not Applicable	Indent mechanism	Not Applicable
Supply of cold commodities from district to peripheral units			
Districts with cold storage facility N=0		Districts without cold storage facility =4	
Supply of commodities from district to facility	Not Applicable	Source	Commodities are being supplied from SACS
Mode of Supply of commodities from district to facility	Not Applicable	Mode of supply	Personnel from the facility collects the commodities from DAPCU
Indent mechanism	Not Applicable	Indent mechanism	No Structured mechanism

## Supply Chain Management of Commodities- Delhi

### Supply chain management of Non-cold commodities in the Delhi

- There is no non-cold storage facility at district level in any of the districts since the supply is directly from SACS to sub district level facilities

Supply of non-cold commodities from Higher centre to district			
Districts with non-cold storage facility N=0		Districts without non-cold storage facility =4	
<b>Supply of commodities from the State Level to district</b>	Not Applicable	<b>Supply of commodities from the State Level to district</b>	Not Applicable
<b>Mode of supply of commodities from the State Level to district</b>	Not Applicable	<b>Mode of supply of commodities from the State Level to district</b>	Not Applicable
<b>Indent mechanism</b>	Not Applicable	<b>Indent mechanism</b>	Not Applicable
Supply of cold commodities from district to peripheral units			
Districts with non-cold storage facility N=0		Districts without non-cold storage facility =4	
<b>Supply of commodities from district to facility</b>	Not Applicable	<b>Source</b>	Commodities are being supplied from  SACS
<b>Mode of Supply of commodities from district to facility</b>	Not Applicable	<b>Mode of supply</b>	Personnel from the facility collects the commodities from DAPCU
<b>Indent mechanism</b>	Not Applicable	<b>Indent mechanism</b>	No Structured mechanism

## Supply Chain Management of Commodities- Delhi

**Table I: Supply chain management of Cold storage commodities in the state**

District	Type of cold storage	District level		Sub district level	
		From where received	How received	From where received	How received
Central	Not available	Not Applicable	Not Applicable	SACS	In person from facilities with cold box carriers
East	Not available	Not Applicable	Not Applicable	SACS	In person from facilities with cold box carriers
North	Not available	Not Applicable	Not Applicable	SACS	In person from facilities with cold box carriers
North-East	Not available	Not Applicable	Not Applicable	SACS	In person from facilities with cold box carriers

**Table II: Supply chain management of Non -Cold commodities in the state**

District	No of Non cold storage facilities	District level		Sub district level	
		From where received	How received	From where received	How received
Central	Not available	Not Applicable	Not Applicable	SACS	In person from facilities
East	Not available	Not Applicable	Not Applicable	SACS	In person from facilities
North	Not available	Not Applicable	Not Applicable	SACS	In person from facilities
North-East	Not available	Not Applicable	Not Applicable	SACS	In person from facilities

# Supply Chain Management of Commodities- Gujarat

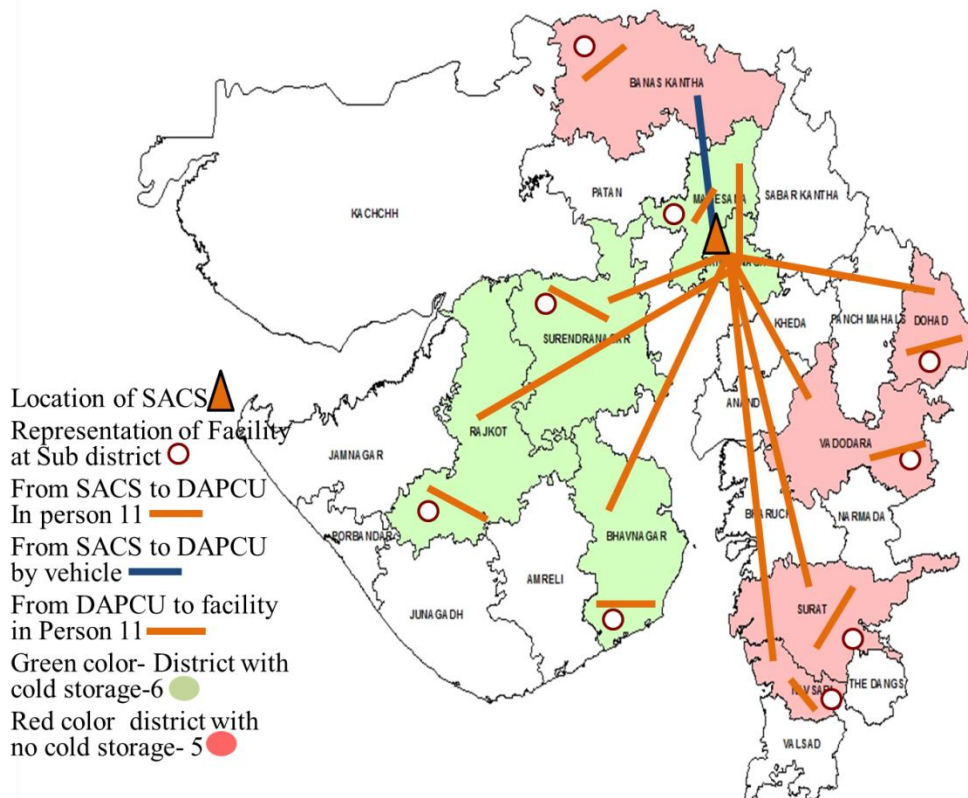
## Fact sheet 6: Gujarat

### Introduction

Gujarat is the tenth largest state in India with 25 districts of which 10 are under A&B categories. In order to prevent new infections and contain the spread of transmission, state has established 1000 ICTCs, 24 ART centres , 108 TI projects, 143 Blood Banks, 151STI clinics, 13 CCCs and 36 LACs in the state (Gujarat SACS). Functioning of these facilities is predominantly dependent on the availability of human resource, infrastructure and supplies. Information provided below depicts the supply chain mechanism and the infrastructure to store the supplies at district and sub district level.

### Supply chain management of commodities requiring cold chain in Gujarat

- There is no WIC at the district level in any of the districts, they have only ILR/TORs but these ILR/TORs are also not supplied by NACP.
- The size of ILR/TORs ranging from 140-300 lts
- Commodities that are being stored in the cold storage facilities are RPR test kits and HIV test kits
- All of these ILR/TORs are functional but only 3 are having power backup and 5 are having Annual Maintenance Contract.
- Wherever they don't have cold storage, DAPCU team is going to GSACS one day before to review meeting and bringing kits in cold boxes and next day distributing to counsellors. Remaining stock storing in refrigerator Wherever they don't have cold storage



\*Districts with No color are non DAPCU districts



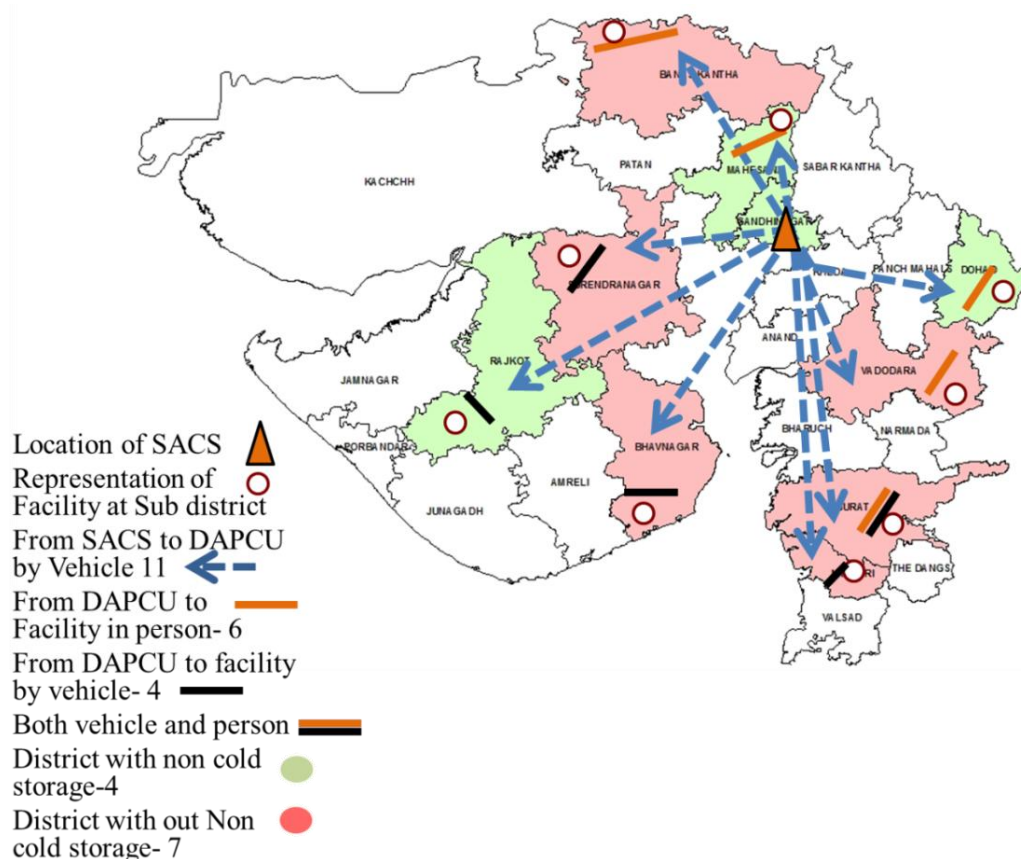
## Supply Chain Management of Commodities- Gujarat

Supply of cold commodities from Higher centre to district			
Districts with cold storage facility 6		Districts without cold storage facility 5	
<b>Supply of commodities from the State Level to district</b>	Commodities are being supplied from SACS	<b>Supply of commodities from the State Level to district</b>	Commodities are being supplied from SACS.
<b>Mode of supply of commodities from the State Level to district</b>	Commodities are being through In person from DAPCU-6	<b>Mode of supply of commodities from the State Level to district</b>	Commodities are being through Vehicle -1 and In person from DAPCU- 4
<b>Indent mechanism</b>	No Structured mechanism	<b>Indent mechanism</b>	No Structured mechanism
Supply of cold commodities from Higher centre to district			
Districts with cold storage facility 6		Districts without cold storage facility 5	
<b>Supply of commodities from district to peripheral units</b>	Commodities are being supplied from DAPCU	<b>Supply of commodities from district to peripheral units</b>	Commodities are being supplied from DAPCU
<b>Mode of supply of commodities from the district to facilities</b>	Personnel from DAPCU are collecting the Commodities In person from facilities -6	<b>Mode of supply of commodities from the district to facilities</b>	Personnel from DAPCU are collecting the Commodities In person from facilities -5
<b>Indent mechanism</b>	No Structured mechanism	<b>Indent mechanism</b>	No Structured mechanism

### Supply chain management of Non-cold commodities in the Gujarat

- They receive registers, IEC materials and Condoms from SACS through Vehicle.
- Supply of non-cold commodities to all the peripheral units is through DAPCU. The commodities from the district are being taken in person by the lab technician or the counsellor.

## Supply Chain Management of Commodities- Gujarat



(\*Districts with No color are non DAPCU districts)

Supply of Non cold commodities from Higher centre to district			
Districts with Non cold storage facility N=4		Districts without Non cold storage facility N=7	
<b>Supply of commodities from the State Level to district</b>	Commodities are being supplied from SACS to DAPCU	<b>Source</b>	Commodities are being supplied from SACS to DAPCU
<b>Mode of supply of commodities from the State Level to district</b>	Commodities are being supplied from SACS to DAPCU by Vehicle - 4	<b>Mode of supply</b>	Commodities are being supplied from SACS to DAPCU by Vehicle - 6
<b>Indent mechanism</b>	No Structured mechanism	<b>Indent mechanism</b>	No Structured mechanism
Supply of Non cold commodities from district to peripheral units			
Districts with Non cold storage facility		Districts without Non cold storage facility	
<b>Supply of commodities from the district to facilities</b>	Commodities are being supplied from DAPCU to facilities	<b>Supply of commodities from the district to facilities</b>	Commodities are being supplied from DAPCU to facilities
<b>Mode of supply of commodities from the district to facilities</b>	Commodities are being supplied from SACS to DAPCU by Vehicle – 1 And In person- 3	<b>Mode of supply of commodities from the district to facilities</b>	Commodities are being supplied from SACS to DAPCU by Vehicle – 5 And In Person- 1
<b>Indent mechanism</b>	No Structured mechanism	<b>Indent mechanism</b>	No Structured mechanism

## Supply Chain Management of Commodities- Gujarat

**Table A: Details regarding the location of cold storage places, contact details of the point person**

S.No	District	Type of cold storage	Space (lts)	Point person	Designation	Address	AMC (Yes/No)	Functiona l status (Yes/No)	Power backup (Yes/No)
1	Ahmedabad	ILR/TOR	140	PARTH B. THAKAR	Admin Asst	Parth b. Thakar, Assi. Admin, DISTRICT AIDS PREVENTION & CONTROL UNIT. DISTRICT PANCHAYAT, LAL DARVAJA, AHMEDABAD. Mo:- 9099064794, 079-25502441	Yes	Yes	Yes
2	Bhavnagar	ILR/TOR	200			DAPCU office	Yes	Yes	No
		ILR/TOR	200			DAPCU office	Yes	Yes	No
3	Mehsana	ILR/TOR	300	1. Pooja Maheta 2. Biren Pandya	1.Admin Asst 2.Sr. Medical officer	1. Pooja Maheta,Admin Asst. Sr.Medical Officer Qwatar, Opp.Jilla Medical Store, Dapcu-Mehsana MO.7567889081 2. Biren Pandya,F.A. Sr.Medical Officer Qwatar, Opp.Jilla Medical Store, Dapcu-Mehsana MO.7567889080	Yes	Yes	Yes
4	Rajkot	ILR/TOR	300	Mr. Nilesh Shah	Pharmacist	Mr. Nilesh Shah Farmasist, (F.P.) Drugs Store, Health Department, District Panchayat, Rajkot.360001. Contect No. 09898170018	Yes	Yes	No
5	SURAT (SAPCU)	ILR/TOR	300	Dr.H.K. Sondharwa	Program officer	Dr.H.K. Sondharwa, Project Incharge, Mob: 097 2434 5478, Program Officer, Surat AIDS Prevention & Control Unit, ICDS Building, Above	No	Yes	No

**Supply Chain Management of Commodities- Gujarat**

S.No	District	Type of cold storage	Space (Its)	Point person	Designation	Address	AMC (Yes/No)	Functiona l status (Yes/No)	Power backup (Yes/No)
						Delhigate Police chowky, Delhigate, Surat-3			
6	Surendranagar	ILR/TOR	165	Mr.S.D.Mori		Mr.S.D.Mori 9408224025 Above PP Unit,MGS Hospital,Surendranagar.	No	Yes	Yes

**Table B: Details regarding the location of Non cold storage facility, contact details of the point person**

Dist. Code	District	No of Non cold storage facilities	Approx area (Sqft)	Point person	Designation	Address
1	Ahmedabad	1	90	Parth B Thakar	Admin Asst	PARTH B. THAKAR, ASSI. ADMIN, DISTRICT AIDS PREVENTION & CONTROL UNIT. DISTRICT PANCHAYAT, LAL DARVAJA, AHMEDABAD. Mo:- 9099064794, 079-25502441
2	Dahod	1	77	Smt. S.R.Sharma	Admin Asst	Smt. S.R.Sharma (Asst.Admin) Contact No.02673223630 Dapcu, Old District Panchayat. Chakliya Chokadi Dahod-389151
3	Mehsana	2		1. Pooja Maheta 2. Biren Pandya	Admin Asst Sr Medical officer	1. Pooja Maheta,Admin Asst. Sr.Medical Officer Qwatar, Opp.Jilla Medical Store, Dapcu-Mehsana MO.7567889081 2. Biren Pandya,F.A. Sr.Medical Officer Qwatar, Opp.Jilla Medical Store, Dapcu-Mehsana MO.7567889080

### Supply Chain Management of Commodities- Gujarat

Dist. Code	District	No of Non cold storage facilities	Approx area (Sqft)	Point person	Designation	Address
4	Rajkot	1	144	Mr. Nilesh Shah	Pharmacist	Mr. Nilesh Shah Farmasist, (F.P.) Drugs Store, Health Department, District Panchayat, Rajkot.360001. Contact No. 09898170018

**Table I: Supply chain management of Cold storage commodities**

District	Type of cold storage	Space (Sqft)	Consumable received	District level		Sub district level	
				From where received	How received	From where received	How received
Ahmedabad	ILR/TOR	140	HIV kits	SACS	In person from DAPCU	DAPCU	In person from facilities with cold box carriers
Banaskantha	Not available			SACS	Through vehicle	DAPCU	In person from facilities with cold box carriers
Bhavnagar	ILR/TOR (2)	200 (2)	HIV kits	SACS	In person from DAPCU	DAPCU	In person from facilities with cold box carriers
Dahod	Not available			SACS	In person from DAPCU	DAPCU	In person from facilities with cold box carriers
Mehsana	ILR/TOR (1)	300		SACS	In person from DAPCU	DAPCU	In person from facilities with cold box carriers
Navsari	Not available			SACS	In person from DAPCU	DAPCU	In person from facilities with cold box carriers
Rajkot	ILR/TOR (1)	300	HIV kits	SACS	In person from DAPCU	DAPCU	In person from facilities with cold box carriers

### Supply Chain Management of Commodities- Gujarat

District	Type of cold storage	Space (Sqft)	Consumable received	District level		Sub district level	
				From where received	How received	From where received	How received
Surat	Not available			SACS	In person from DAPCU	DAPCU	In person from facilities with cold box carriers
SURAT (SAPCU)	ILR/TOR (1)	300	HIV kits & RPR kits	SACS	In person from DAPCU		In person from facilities with cold box carriers
Surendranagar	ILR/TOR (1)	165	HIV kits & Neverapine tables	SACS	In person from DAPCU	DAPCU	In person from facilities with cold box carriers
Vadodara	Not available			SACS	In person from DAPCU	DAPCU	In person from facilities with cold box carriers

## Supply Chain Management of Commodities- Gujarat

**Table II: Supply chain management of Non -Cold commodities**

District	No of Non cold storage facilities	Space (sqft)	Consumables received	District level		Sub district level	
				From where received	How received	From where received	How received
Ahmedabad	1	90	ICTC related, IEC materials in general*	SACS	Through vehicle	DAPCU	Through vehicle
Banaskantha	Not available			SACS	Through vehicle	DAPCU	In person from Facilities
Bhavnagar	Not available			SACS	Through vehicle	DAPCU	In person from Facilities
Dahod	1	77	Consumables, IEC materials, Condoms	SACS	Through vehicle	DAPCU	In person from Facilities
Mehsana	2		ICTC Related & IEC Materials in General	SACS	Through vehicle	DAPCU	In person from Facilities
Navsari	Not available			SACS	Through vehicle	DAPCU	In person from Facilities
Rajkot	1	144	ICTC Related Consumable	SACS	Through vehicle	DAPCU	Through vehicle
Surat	Not available			SACS	Through vehicle	DAPCU	Both
SURAT (SAPCU)	Not available			SACS	Through vehicle	DAPCU	Through vehicle
Surendranagar	Not available			SACS	Through vehicle	DAPCU	Through vehicle
Vadodara	Not available			SACS	Through vehicle	DAPCU	In person from Facilities

## Supply Chain Management of Commodities- Haryana

### Fact sheet 7: Haryana

#### Introduction

Haryana is a small state with the population of. Haryana has a population of 253, 53,081 lacs, with 21 districts, of which DAPCUs are established 1 High HIV prevalent district (Bhiwani). In order to prevent new infections in Bhiwani A category district state has established 9 ICTCs, 1 Link ART centre, 1 STI Clinic, 1 Blood Bank, 1 Blood storage unit and 1 TI Project (*as per November'11 DAPCU monthly reports*).

#### Supply chain management of commodities requiring cold chain in Haryana

There is no cold storage facility in Bhiwani district. The DAPCU is having one refrigerator, they are storing commodities supplied by SACs in DAPCU office (for Cold they are using refrigerator), if is there any excess stock they are using other departments (leprosy) cold storage/Non cold storage.

Supply of cold commodities from Higher centre to district			
Districts with cold storage facility N=0		Districts without cold storage facility N=1	
Supply of commodities from the State Level to district	Not applicable	Supply of commodities from the State Level to district	Commodities are being supplied from SACS.
Mode of supply of commodities from the State Level to district	Not applicable	Mode of supply of commodities from the State Level to district	Commodities are being transported by Vehicle with cold box
Indent mechanism	Not applicable	Indent mechanism	No Structured mechanism
Supply of cold commodities from district to peripheral centres			
Districts with cold storage facility N=0		Districts without cold storage facility N=1	
Supply of commodities from district to peripheral units	Not applicable	Supply of commodities from district to peripheral units	Commodities to facilities are supplied by DAPCU
Mode of supply of commodities from the district to facilities	Not applicable	Mode of supply of commodities from the district to facilities	Person from facility
Indent mechanism	Not applicable	Indent	No Structured mechanism

#### Supply chain management of Non-cold commodities in the Haryana

- Bhiwani district in Harayana has facility to store non-cold commodities at the district level.



## Supply Chain Management of Commodities- Haryana

Supply of Non cold commodities from Higher centre to district			
Districts with Non cold storage facility N=1		Districts without Non cold storage facility N=0	
<b>Supply of commodities from the State Level to district</b>	Commodities are being supplied from SACS	<b>Supply of commodities from the State Level to district</b>	Not Applicable
<b>Mode of supply of commodities from the State Level to district</b>	Commodities to facilities are transported through Vehicle	<b>Mode of supply of commodities from the State Level to district</b>	Not Applicable
<b>Indent mechanism</b>	No Structured mechanism	<b>Indent mechanism</b>	Not Applicable
Districts with Non cold storage facility at Sub district level N=1		Districts without Non cold storage facility at sub district level N=0	
<b>Supply of commodities from the district to facilities</b>	Commodities to facilities are supplied by DAPCU	<b>Supply of commodities from the district to facilities</b>	Not Applicable
<b>Mode of supply of commodities from the district to facilities</b>	Person from facility	<b>Mode of supply of commodities from the district to facilities</b>	Not Applicable
<b>Indent mechanism</b>	No Structured mechanism	<b>Indent mechanism</b>	Not Applicable

## Supply Chain Management of Commodities- Haryana

**Table B: Details regarding the location of Non cold storage facility, contact details of the point person**

District	No of Non cold storage facilities	Approx area (Sqft)	Point person	Designation	Address
Bhiwani	1	250	Dr. Ishwar Singh	DACO	DACO Dr. Ishwar Singh

**Table I: Supply chain management of Cold storage commodities in the state**

District	Type of cold storage	District		Sub District	
		From where received	How received	From where received	How received
Bhiwani	Not available	SACS	Vehicle with cold box	SACS	In person from facilities with cold box carriers

**Table II: Supply chain management of Non -Cold commodities in the state**

District	No of Non cold storage facilities	Space (sqft)	Consumables received	District level		Sub district level	
				From where received	How received	From where received	How received
Bhiwani	1	250	Syringes, gloves, cotton, Hypochlorite, IEC Material etc.	SACS	Vehicle with cold box	SACS	In person from facilities with cold box carriers

## Supply Chain Management of Commodities- Karnataka

### Fact sheet 8: Karnataka

#### Introduction

Karnataka is the ninth largest state in India with 30 districts. Among the 30 districts 26 districts in Karnataka are under A category hence DAPCUs were established in twenty six districts of Karnataka. In order to prevent new infections and contain the spread of transmission , state has established 1120 ICTCs, 39 ART centres, 70 TI projects, 102 Blood Banks, 45 STI clinics (*As per September'11 DMR*). Functioning of these facilities is predominantly dependent on the availability of human resource, infrastructure and supplies. Information provided below depicts the supply chain mechanism and the infrastructure to store the same at district and sub district level.

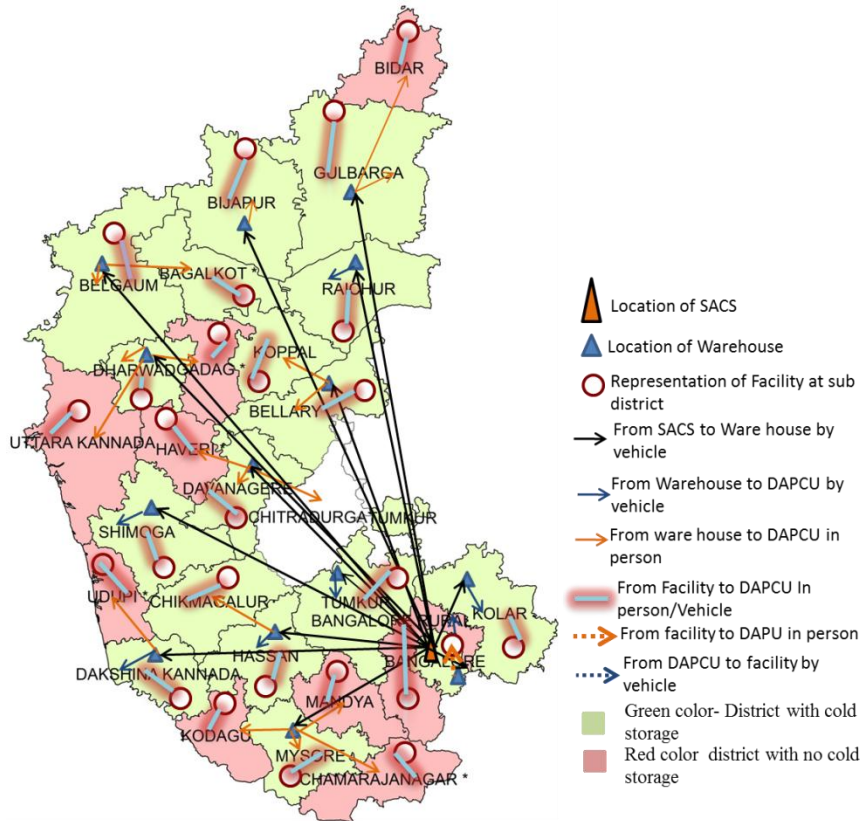
#### Supply chain management of commodities requiring cold chain in Karnataka

In Tamil Nadu, facility to store cold storage commodities is available at 14 Warehouses present in various DAPCU districts. Neighbouring DAPCU districts share the designated regional warehouses to receive the cold commodities.

All the WICs present in the Warehouses were purchased through NACP funds. All of these WIC are functional with power backup and Annual Maintenance Contract

- There are 6 ILR/TORs are available in 5 DAPCU Districts
  - Commodities that are being stored in the cold storage facilities are RPR test kits, Hepatitis – B test kits for blood banks and HIV test kits

## Supply Chain Management of Commodities- Karnataka



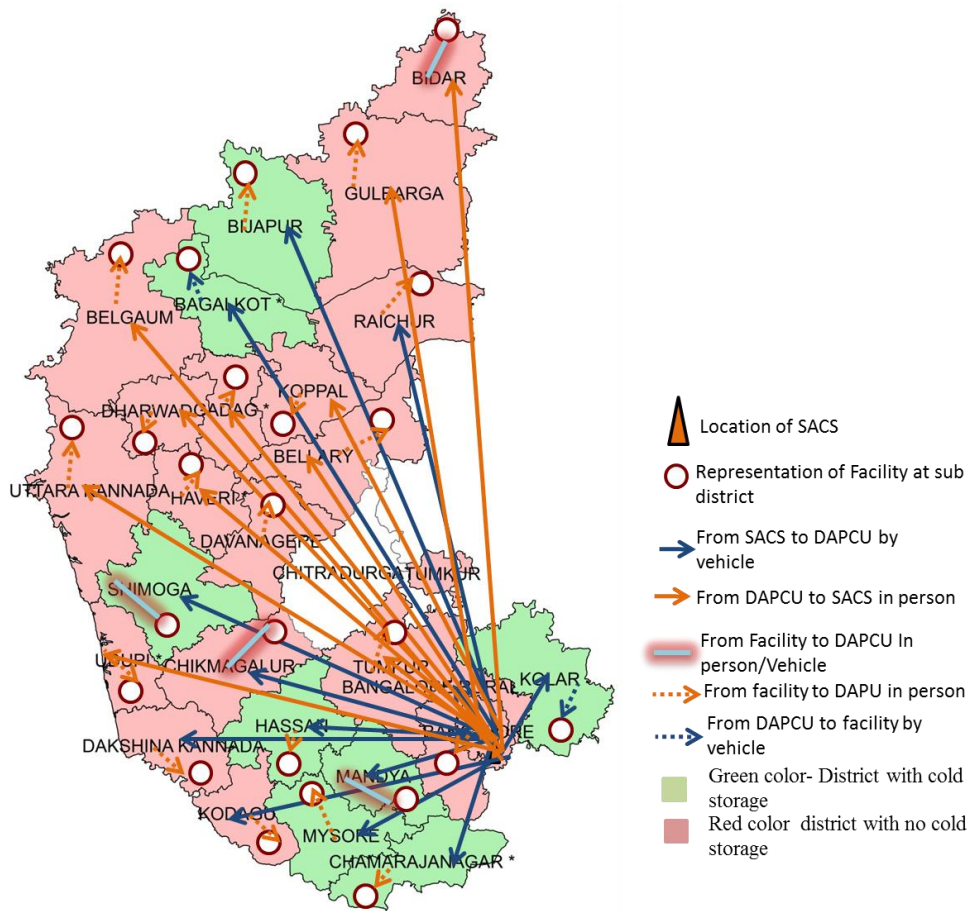
Supply of cold commodities from Higher centre to district			
Districts with cold storage facility N=17		Districts without cold storage facility N=9	
<b>Supply of commodities from the State Level to district</b>	Commodities are being supplied from SACS to warehouses in district	<b>Supply of commodities from the State Level to district</b>	Commodities are distributed via regional warehouse in neighbouring district
<b>Mode of supply of commodities from the State Level to district</b>	Commodities are transported through Vehicle with cold box-7 In person-10	<b>Mode of supply of commodities from the State Level to district</b>	Commodities are transported through Vehicle with cold box-1 In person-8
<b>Indent mechanism</b>	No Structured mechanism	<b>Indent mechanism</b>	No Structured mechanism
Supply of cold commodities from district to peripheral centres			
Districts with cold storage facility N=17		Districts without cold storage facility N=9	
<b>Supply of commodities from district to peripheral units</b>	Commodities are being supplied from DAPCU to peripheral units	<b>Supply of commodities from district to peripheral units</b>	Commodities are being supplied from DAPCU to peripheral units
<b>Mode of supply of commodities from the district to facilities</b>	Commodities are being transported by Vehicle with cold box-2	<b>Mode of supply of commodities from the district to facilities</b>	Commodities are being transported by both vehicle and in person-9

## Supply Chain Management of Commodities- Karnataka

	In person-5		
	Both (In person/Vehicle)-10		
<b>Indent mechanism</b>	No Structured mechanism	<b>Indent mechanism</b>	No Structured mechanism

### Supply chain management of Non-cold commodities in the Karnataka

- 8 districts in the state have facility to store non-cold commodities at the district level.
- Districts with storage facility- Bagalkot, Bijapur, Cahamarajnar, Hassan, Kolar, Mandya, Mysore, Shimoga.



Supply of Non cold commodities from Higher centre to district			
Districts with Non cold storage facility N=8		Districts without Non cold storage facility N=18	
<b>Supply of commodities from the State Level to district</b>	Commodities are being supplied from SACS to DAPCU. Commodities are being supplied from Manufacturer (Bijapur,	<b>Supply of commodities from the State Level to district</b>	Commodities are being supplied from SACS to DAPCU and through Manufacturer in Koppal

## Supply Chain Management of Commodities- Karnataka

	Kolar, Shimoga)		
<b>Mode of supply of commodities from the State Level to district</b>	Commodities are being transported through Vehicle -8	<b>Mode of supply of commodities from the State Level to district</b>	Commodities are being transported through Vehicle-6 and personnel from DAPCU are collecting directly in 12 districts
<b>Indent mechanism</b>	No Structured mechanism	<b>Indent mechanism</b>	No Structured mechanism
<b>Districts with Non cold storage facility N=8</b>		<b>Districts without Non cold storage facility N=18</b>	
<b>Supply of commodities from the district to facilities</b>	Commodities are being supplied from DAPCU to facilities	<b>Supply of commodities from the district to facilities</b>	Commodities are being supplied from DAPCU to facilities
<b>Mode of supply of commodities from the district to facilities</b>	In person-4 Vehicle -4  Commodities are being transported through Vehicle and personnel from DAPCU are collecting directly in 4 districts each	<b>Mode of supply of commodities from the district to facilities</b>	Personnel from DAPCU are collecting commodities from DAPCU in 16 districts and in 2 districts vehicle and personnel from DAPCU are collecting directly
<b>Indent mechanism</b>	No Structured mechanism	<b>Indent mechanism</b>	No Structured mechanism

## Supply Chain Management of Commodities- Karnataka

**Table A: Details regarding the location of cold storage places, contact details of the point person**

Sl.No	District	Type of Cold Storage	Space (WIC - Sqft & ILR/TOR - Its)	Point person	Designation	Address
1	Bagalkot	ILR/TOR (2)	300(2)		DAPCU Staff	DISTRICT AIDS PREVENTION & CONTROL UNIT,C/O DHO OFFICE ROOM NO.128, MINI VIDHAN SOUDHA,NAVANAGAR, BAGALKOT -587102
2	Bangalore urban	Walk in cooler				Ware house, Bangalore urban
3	Belgaum	Walk in cooler				Ware house, Belgaum
4	Bellary	Walk in cooler (1)	100	Abdul najeed belgaumi	1.Abdul Najeed Belgaumi	Abdul najeed belgaumi, 08392 270215, Address: District drug ware house, Distirct hospital compound, ATP road, Bellary.
5	Bijapur	Walk in cooler (1)	100	B.N.Sabarad	Pharmascist	B.N. Sabarad Mo No: 9448907743,Graduate Pharmasist,W/I Dist Drug Ware House Dist Hospital .PRE. BIJAPUR
6	Chikmagalore	ILR/TOR (1)	220	Dr. Sampath Kumar	DPM	Dr. Sampath Kumar,District Program Officer, DAPCU, District TB Centre, chikmagalur-577101,08262-230237

**Supply Chain Management of Commodities- Karnataka**

Sl.No	District	Type of Cold Storage	Space (WIC - Sqft & ILR/TOR - Its)	Point person	Designation	Address
7	Davangere	Walk in cooler (1)				
8	Dharwad / Hubli	Walk in cooler (1)	100	Ravikumar	Warehouse Incharge	Mr Ravikumar ware house incharge, mob-9591891959, Address- Karnataka state drug logistic & ware housing Sociaty, Dist Drug ware house, Dist Hopspital Primises Dharwad Dist Dhawad
9	Gulbarga	Walk in cooler (1)	18			
10	Hassan	Walk in cooler (1)	20			District Drug Wear House Hassan
11	Kolar	Walk in cooler (1)	18	K.T.Suresh	Incharge Pharmacist	K.T.Suresh,Incharge Pharmacist,District Drug warehouse,SNR Hospital Kolar-563101
12	Koppal	ILR/TOR	300		Sr Pharmacist	Sr. Pharmacist,9945996798
13	Mangalore (D.K)	Walk in cooler (1) & ILR/TOR (1)				
14	Mysore	Walk in cooler	100	Mr.Naveen	1.LT 2. Staff of Warehouse	1. Mr.Naveen, Lab Tech, ICTC LSS V.V.Purm, Mysore Ph: 9901742955 2. Drug Ware House Near V.V.Purm Mat.Hospital,Mysore
		ILR/TOR (1)	200	DAPCU	Prg Officer	The Programme officer, District AIDS Prevention And Control Officer, District AIDS Prevention And Control Unit, DHO Office Premiss, Nazarbad, Mysore
15	Raichur	Walk in cooler				



**Supply Chain Management of Commodities- Karnataka**

<b>Sl.No</b>	<b>District</b>	<b>Type of Cold Storage</b>	<b>Space (WIC - Sqft &amp; ILR/TOR - Its)</b>	<b>Point person</b>	<b>Designation</b>	<b>Address</b>
16	Shimoga	Walk in cooler (1)	18	R.S Swamy	Pharmacist	KSDL & WS Shimoga, Ph.08182228505, R.S Swamy Pharmacest
17	Tumkur	Walk in cooler (1)	100	Mr Rajendra		Mr. Rajendra, District drug Warehouse, Dist Hospital premises, Tumkur Ph.No. 0816-2279748, Mob.no.9448307446

## Supply Chain Management of Commodities- Karnataka

**Table B: Details regarding the location of Non cold storage facility, contact details of the point person**

S.No	District	No of Non cold storage facilities	Approx area (Sqft)	Point person	Designation	Address
1	Bagalkot	3	120			
2	Bijapur	1	300	B.N. Sabarad	Pharmasist	B.N. Sabarad Mo No: 9448907743,Graduate Pharmasist,W/I Dist Drug Ware House Dist Hospital .PRE. BIJAPUR
3	Chamarajanagar	1				Administrative medical of All ICTC Centres Attched all ICTC details list
4	Hassan	1	350	Anantha Ramu		Anantha Ramu, MOB:9449394747,08172-264987
5	Kolar	1	168	DAPCU Staff	DAPCU Staff	DAPCU OFFICE, DHO Office Premises, KN-TB Hospital ,Sanitorium, KOLAR-563101
6	Mandya	1	70	DPO	DPO	DPO, Dsitric AIDS Prevention and control , Mandya,DHO Office Compound, Mandya, Ph 9449847009
7	Mysore	1	100	DPO	DPO	The Programme officer, District AIDS Prevention And Control Officer, District AIDS Prevention And Control Unit, DHO Office Premiss, Nazarbad, Mysore
8	Shimoga	1		R.S Swamy	Pharmasict	KSDL & WS Shimoga, Ph.08182228505, R.S Swamy Pharmacest

## Supply Chain Management of Commodities- Karnataka

**Table I: Supply chain management of Cold storage commodities in the state**

District	Type of cold storage	Space	Consumables received	District level		Sub district level	
				From where received	How received	From where received	How received
Bagalkot	ILR/TOR	300	HIV kits	Warehouse	In person	DAPCU	Both
Bangalore Rural	No			Warehouse	Vehicle with cold box	DAPCU	Both
Bangalore Urban	Walk in cooler			Warehouse	Vehicle with cold box	DAPCU	In person from facilities with coldbox carriers
Belgaum	Walk in cooler			Warehouse	In person	DAPCU	Both
Bellary	Walk in cooler	100	HIV kits	Warehouse	In person	DAPCU	Both
Bidar	No			Warehouse	In person	DAPCU	Both
Bijapur	Walk in cooler	100	HIV kits	Warehouse	Vehicle with cold box	DAPCU	Both
Chamarajanagar	No			Warehouse	In person	DAPCU	Both
Chikmagalore	ILR/TOR	220	HIV kits	Warehouse	In person	DAPCU	In person from facilities with coldbox carriers
Davanagere	Walk in cooler			Warehouse	In person	DAPCU	Both
Dharwad / Hubli	Walk in cooler	100	HIV kits	Warehouse	In person	DAPCU	Both
Gadag	No			Warehouse	In person	DAPCU	Both
Gulbarga	Walk in cooler	18	HIV kits	Warehouse	In person	DAPCU	Both
Hassan	Walk in cooler	20	HIV kits	Warehouse	Vehicle with cold box	DAPCU	In person from facilities with coldbox carriers
Haveri	No			Warehouse	In person	DAPCU	Both

### Supply Chain Management of Commodities- Karnataka

District	Type of cold storage	Space	Consumables received	District level		Sub district level	
				From where received	How received	From where received	How received
Karwar (U.K)	No			Warehouse	In person	DAPCU	Both
Kodagu	No			Warehouse	In person	DAPCU	Both
Kolar	Walk in cooler	18	HIV kits	Warehouse	Vehicle with cold box	DAPCU	In person from facilities with coldbox carriers
Koppal	ILR/TOR	300	HIV kits	Warehouse	In person	SACS	In person from facilities with coldbox carriers
Mandya	No			Warehouse	In person	DAPCU	Both
Mangalore (D.K)	Walk in cooler ILR/TOR		HIV kits	Warehouse	Vehicle with cold box	DAPCU	Vehicle from District
Mysore	Both (WIC -1 & ILR/TOR(1))	WIC-100 (2) & ILR/TOR - 200	HIV kits	Warehouse	Vehicle with cold box	DAPCU	Both
Raichur	Walk in cooler			Warehouse	Vehicle with cold box	DAPCU	Both
Shimoga	Walk in cooler (1)	18	HIV kits	Warehouse	Vehicle with cold box	DAPCU	Vehicle from District
Tumkur	Walk in cooler (1)	100	HIV kits	Warehouse	Vehicle with cold box	DAPCU	Both
Udupi	No			Warehouse	In person	DAPCU	Both

## Supply Chain Management of Commodities- Karnataka

**Table II: Supply chain management of Non -Cold commodities in the state**

District	No of Non cold storage facilities	Space (sqft)	Consumables received	District level		Sub district level	
				From where received	How received	From where received	How received
Bagalkot	3	120	Lab related, Registers, IEC materials & condoms	SACS	Through vehicle	DAPCU	Through vehicle
Bangalore Rural	Not available			SACS	Through vehicle	DAPCU	In person
Bangalore Urban	Not available			SACS	Courier/Parcel	DAPCU	In person
Belgaum	Not available			SACS	In person	DAPCU	In person
Bellary	Not available			SACS	In person	DAPCU	In person
Bidar	Not available			SACS	In person	DAPCU	Both
Bijapur	1	300		Manufacturer	Through vehicle	DAPCU	In person
Chamarajanagar	15			SACS	Through vehicle	DAPCU	In person
Chikmagalore	Not available			SACS	Courier/Parcel	DAPCU	Both
Davanagere	Not available			SACS	In person	DAPCU	In person
Dharwad / Hubli	Not available			SACS	In person	DAPCU	In person
Gadag	Not available			SACS	In person	DAPCU	In person
Gulbarga	Not available			SACS	In person	DAPCU	In person
Hassan	1	350	Lab related	SACS	Courier/Parcel	DAPCU	In person
Haveri	Not available			SACS	In person	DAPCU	In person
Karwar (U.K)	Not available			SACS	In person	DAPCU	In person
Kodagu	Not available			SACS	Courier/Parcel	DAPCU	In person
Kolar	1	168	IEC materials	Manufacturer	Courier/Parcel	DAPCU	Through vehicle
Koppal	Not available			Manufacturer	In person	DAPCU	In person

### Supply Chain Management of Commodities- Karnataka

District	No of Non cold storage facilities	Space (sqft)	Consumables received	District level		Sub district level	
				From where received	How received	From where received	How received
Mandya	1	70	Lab related, Registers, IEC materials & condoms	SACS	Through vehicle	DAPCU	Both
Mangalore (D.K)	Not available			SACS	Courier/Parcel	DAPCU	In person
Mysore	1	100	Lab related, Registers, IEC materials	SACS	Courier/Parcel	DAPCU	In person
Raichur	Not available			SACS	Courier/Parcel	DAPCU	In person
Shimoga	17			Manufacturer	Through vehicle	DAPCU	Both
Tumkur	Not available			SACS	In person	DAPCU	In person
Udupi	Not available			SACS	In person	DAPCU	In person

## Supply Chain Management of Commodities- Kerala

### Fact sheet 9: Kerala

#### Introduction

State of Kerala has a population of 33,387,677 lacs, with 14 districts, of which DAPCUs are established 2 High HIV prevalent district (Ernakulam, Kozhikode). In order to prevent new infections and contain the spread of transmission, state has established 49 ICTCs, 2 ART centres, 5 TI projects, 1 LWS, 8 Blood Banks, 4 STI clinics and 2 CCCs in the state (as per 3<sup>rd</sup> quarterly report (July-Sep'11)).

#### Supply chain management of commodities requiring cold chain in Kerala

- Walk in cooler is present in Kozhikode District. Ernakulum district has no Cold storage facility.
- The size of the walk in cooler in Kozhikode is 150 sqft
- Commodities that are being stored in the cold storage facilities are RPR test kits and HIV test kits

#### Functional status of walk in cooler:

- Walk in cooler is newly procured one and it is under warranty period and has power backup.

**Supply chain management of commodities requiring cold chain** (\*Green colour coding indicated DAPCU Districts with cold storage facility, Pink colour coding indicates DACPU districts without cold storage facility and districts with colour coding- blank are non DAPCU districts)

Supply of Non cold commodities from Higher centre to district			
Districts with cold storage facility N=1		Districts without cold storage facility N=1	
<b>Supply of commodities from the State Level to district</b>	Commodities are being supplied from SACS to Medical college (Walk in cooler) in district	<b>Supply of commodities from the State Level to district</b>	Commodities are being supplied from SACS to Thrissur medical college (which is near by district of Ernakulum)
<b>Mode of supply of commodities from the State Level to district</b>	From the state the commodities are supplied to Medical college (Walk in cooler) through vehicle with cold box.	<b>Mode of supply of commodities from the State Level to district</b>	From the state the commodities are supplied to Medical college (Walk in cooler) through vehicle with cold box.
<b>Indent mechanism</b>	No Structured mechanism	<b>Indent mechanism</b>	No Structured mechanism
Supply of commodities requiring cold chain from District to Peripheral unit			
Districts with cold storage facility N=1		Districts without cold storage facility N=1	
<b>Supply of commodities</b>	Person from facilities going to medical college	<b>Supply of commodities from the</b>	Person from facilities going to medical college and

## Supply Chain Management of Commodities- Kerala

Supply of Non cold commodities from Higher centre to district			
Districts with cold storage facility N=1		Districts without cold storage facility N=1	
<b>from the district Level to sub district</b>	and bringing kits to facility in cold boxes,	<b>district Level to sub district</b>	bringing kits to facility in cold boxes,
Mode of supply	In Person from facility	Mode of supply	In Person from facility
Indent mechanism	No Structured mechanism	Indent mechanism	No Structured mechanism

### Supply chain management of Non-cold commodities in the Kerala

Non Cold storage facility is not available in both the districts.

Supply of Non cold commodities from Higher centre to district			
Districts with non-cold storage facility N = 0		Districts without non - cold storage facility N=2	
<b>Supply of commodities from the State Level to district</b>	Not Applicable	<b>Supply of commodities from the State Level to district</b>	Not Applicable
<b>Mode of supply of commodities from the State Level to district</b>	Not Applicable	<b>Mode of supply of commodities from the State Level to district</b>	Not Applicable
<b>Indent mechanism</b>	Not Applicable	<b>Indent mechanism</b>	Not Applicable
Supply of Non cold commodities from district to peripheral units			
Districts with non-cold storage facility N = 0		Districts without non - cold storage facility N=2	
<b>Supply of commodities from the district Level to sub district</b>	Not Applicable	<b>Supply of commodities from the district Level to sub district</b>	SACS directly sending consumables and other materials to facilities by courier or by vehicle depending on situation
<b>Mode of supply</b>	Not Applicable	<b>Mode of supply</b>	By courier/Vehicle
<b>Indent mechanism</b>	Not Applicable	<b>Indent mechanism</b>	No Structured mechanism



## Supply Chain Management of Commodities- Kerala

**Table A: Details regarding the location of cold storage places, contact details of the point person**

Dist. Code	District	Availability of cold storage	Location	Contact person	Contact details of Walk in cooler	Capacity (sqft)	AMC (Yes/No)	Functional status (Yes/No)	Power backup (Yes/No)
1	Kozhikode	1	1. Govt Medical College , Kozikode	1. Dr Nizamudeen, Dept of Microbiology 2. Ms Indu, Technical Officer	1. Dr.Nizamudeen Dept. of Microbiology, Govt.Medical College , Kozhikode, Mob:9349110793, 2. Ms.Indu,Technical Officer(SRL),Govt. Medical College ,Kozhikode Mob:8606660309	150	Yes	Yes	Yes

**Table I: Supply chain management of Cold storage commodities in the state**

District	Type of cold storage	Space (sqft)	Consumables received	District level		Sub district level	
				From where received	How received	From where received	How received
Eranakulam	No		HIV kits & RPR kits	Not Applicable	Not Applicable	Thirure medical college	In person from facilities with cold box carriers
Kozhikode	Walk in cooler	150	HIV kits & RPR kits	SACS	Vehicle with cold box	Kozhikode Medical College	In person from facilities with cold box carriers

## Supply Chain Management of Commodities- Kerala

**Table II: Supply chain management of Non -Cold commodities in the state**

District	No of Non cold storage facilities	District level		Sub district level	
		From where received	How received	From where received	How received
Ernakulum	No	Not Applicable	Not Applicable	SACS	By Courier or by vehicle
Kozhikode	No	Not Applicable	Not Applicable	SACS	By Courier or by vehicle

# Supply Chain Management of Commodities- Madhya Pradesh

## Fact sheet 10: Madhya Pradesh

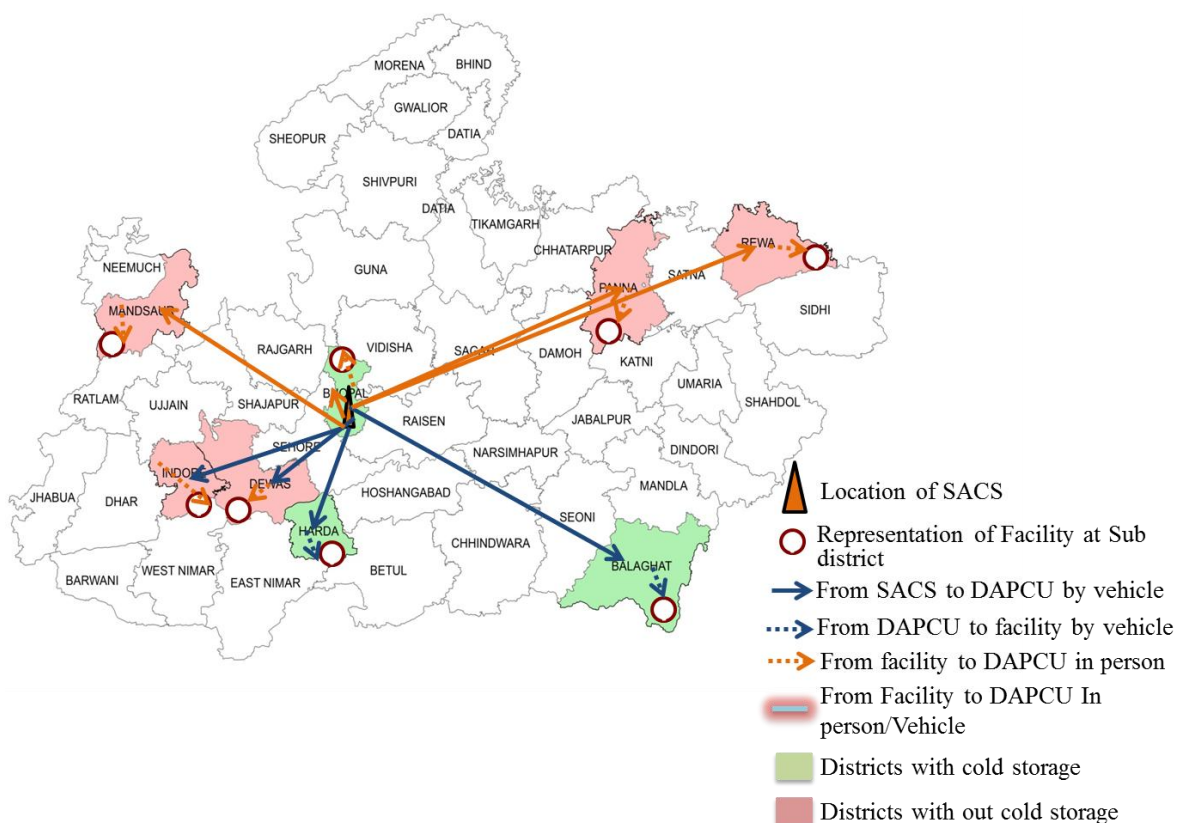
### Introduction

Madhya Pradesh is the sixth largest state in India with 50 districts. **As per the Annual Action Plan of NACO - 2008-09, there are 5 A category and 3 B category districts in MP.** DAPCUs are established in all the 8 districts. In order to prevent new infections and contain the spread of transmission, state has established 82 ICTCs, 4 ART centres, 18 TI projects, 9 Blood Banks, 2 SRLs, 14 STI clinics, 4 CCCs and 4 LACs in the 8 districts of the state (As per Oct 11 DAPCU Monthly Report). Functioning of these facilities is predominantly dependent on the availability of human resource, infrastructure and supplies. Information provided below depicts the supply chain mechanism and the infrastructure to store the same at district and sub district level.

### Supply chain Management of commodities requiring cold chain in Madhya Pradesh:

In Madhya Pradesh, 3 districts are having cold storage facility out of 8 DAPCU districts.

- In case of District with cold storage facility, Commodities are being supplied from SACS to DAPCU in a vehicle with cold box
- In case of District without cold storage facility, Commodities are being supplied from SACS to DAPCU in Vehicle with cold box to DAPCU then Personnel from facilities collect the commodities in person



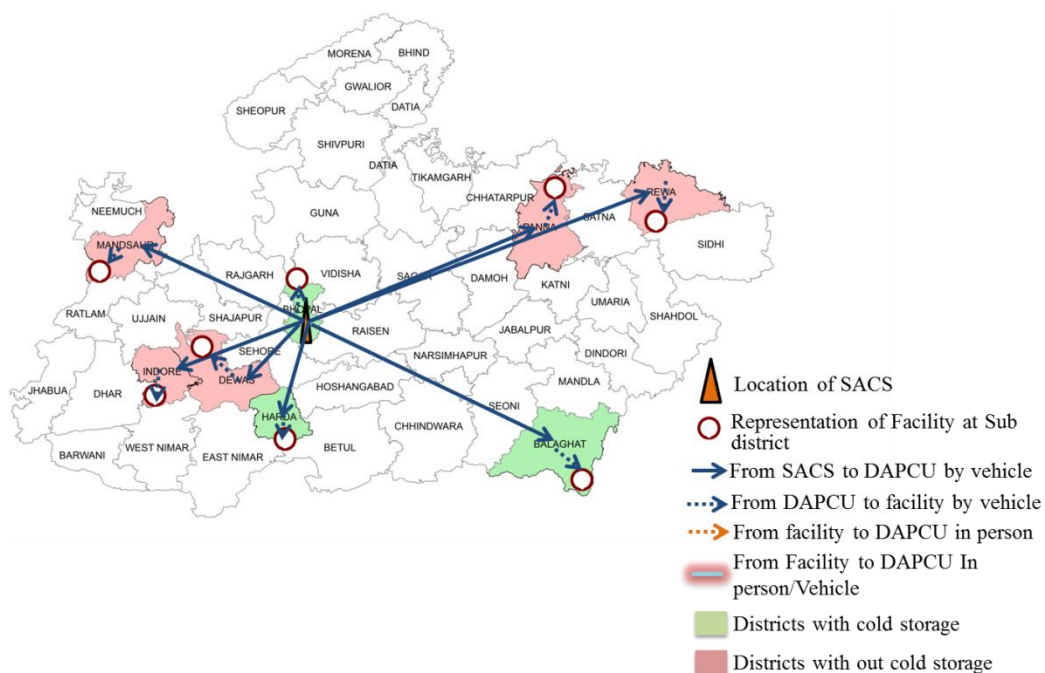
## Supply Chain Management of Commodities- Madhya Pradesh

Supply of cold commodities from Higher centre to district			
Districts with cold storage facility N=3		Districts without cold storage facility N=5	
<b>Supply of commodities from the State Level to district</b>	Commodities are being supplied from SACS & Divisional level	<b>Supply of commodities from the State Level to district</b>	Commodities are being supplied from SACS.
<b>Mode of supply of commodities from the State Level to district</b>	Commodities are being supplied from SACS to DAPCU through Vehicle with cold chain -2 and In person -1	<b>Mode of supply of commodities from the State Level to district</b>	Commodities are being supplied from SACS to DAPCU in Vehicle with cold box -2 and in person -3
<b>Indent mechanism</b>	No Structured mechanism	<b>Indent mechanism</b>	No Structured mechanism
Supply of cold commodities from district to peripheral centres			
Districts with cold storage facility N=3		Districts without cold storage facility N=5	
<b>Source</b>	Commodities are being supplied from DAPCU and SACS to facilities	<b>Source</b>	Commodities are being supplied from DAPCU and SACS
<b>Mode of supply</b>	commodities are transported in Vehicle with cold box -2 and in person from facility – 1	<b>Mode of supply</b>	Personnel from facilities collect the commodities in person -5
<b>Indent mechanism</b>	No Structured mechanism	<b>Indent</b>	No Structured mechanism

### Supply chain management of Non-cold commodities in Madhya Pradesh

- In Madhya Pradesh, 3 districts are having non-cold storage facility out of 8 DAPCU districts.
- The size of non-cold storage facilities ranging from 20sqft to 400sqft

## Supply Chain Management of Commodities- Madhya Pradesh



Supply of Non cold commodities from Higher centre to district			
Supply chain management at Districts having Non-cold storage facility -(Higher centre to district)		Supply chain management at Districts having Non-cold storage facility	
<b>Source</b>	Commodities are being supplied from SACS & Division level	<b>Source</b>	Commodities are being supplied from SACS
<b>Mode of supply</b>	Commodities are	<b>Mode of supply</b>	Through vehicle
<b>Indent mechanism</b>	No Structured mechanism	<b>Indent mechanism</b>	No Structured mechanism
Supply chain management from District to Peripheral unit		Supply chain management at Districts having Non-cold storage facility	
<b>Source</b>	DAPCU- Sacs-Bhopal	<b>Source</b>	SACS
<b>Mode of supply</b>	Commodities are supplied through vehicle	<b>Mode of supply</b>	Commodities are supplied through vehicle
<b>Indent mechanism</b>	No Structured mechanism	<b>Indent mechanism</b>	No Structured mechanism

## Supply Chain Management of Commodities- Madhya Pradesh

**Table A: Details regarding the location of cold storage places, contact details of the point person**

Dist. Code	District	Type of Cold storage	Capacity (Its)	Point person	Designation	Contact details of ILR/TOR	AMC (Yes/No)	Functional status (Yes/No)	Power backup (Yes/No)
1	Balaghat	ILR/TOR		Shri R.K. Rajpoot	NA	Shri R.K. Rajpoot 9827191071, CMHO Balaghat M.P.	No	Yes	Yes
2	Bhopal	ILR/TOR	400	Mahendra Singh Yadav	NA	MAHENDRA SINGH YADAV C-215 SHAHPURA BHOPAL MOB: 08109351377	Yes	Yes	Yes
3	Harda	ILR/TOR		1. Dr J S Awashya	NA	Dr. J.S.Awashya,9827443845,CMHO Harda M.P.	No	Yes	Yes

**Table B: Details regarding the location of Non cold storage facility, contact details of the point person**

Sl.No	District	No of Non cold storage facilities	Approx area (Sqft)	Point person	Designation	Contact details
1	Balaghat	1	400	Shri R.K. Rajpoot	NA	Shri R.K. Rajpoot 9827191071, CMHO Balaghat M.P.
2	Bhopal	1	100	MAHENDRA SINGH YADAV	NA	MAHENDRA SINGH YADAV C-215 SHAHPURA BHOPAL MOB: 08109351377
3	Harda	1	20	Dr. J.S.Awashya	NA	Dr. J.S.Awashya,9827443845,CMHO Harda M.P.

## Supply Chain Management of Commodities- Madhya Pradesh

**Table I: Supply chain management of Cold storage commodities in the state**

District	Type of cold storage	Space (Its)	District level		Sub district level	
			From where received	How received	From where received	How received
Balaghat	ILR/TOR (1)		Division Level	Vehicle with cold box	DAPCU	Vehicle from District
Bhopal	ILR/TOR (1)	400	SACS	In person	SACS	In person from facilities with cold box carriers
Dewas	Not available		SACS	Vehicle with cold box	SACS	In person from facilities with cold box carriers
Harda	ILR/TOR (1)		Division Level	Vehicle with cold box	DAPCU	Vehicle from District
Indore	Not available		SACS	Vehicle with cold box	SACS	In person from facilities with cold box carriers
Mandsaur	Not available		SACS	In person	DAPCU	In person from District with cold box carriers
Panna	Not available		SACS	In person	DAPCU	In person from District with cold box carriers
Rewa	Not available		SACS	In person	DAPCU	In person from District with cold box carriers

**Table II: Supply chain management of Non -Cold commodities in the state**

District	No of Non cold storage facilities	Space (Sqft)	Consumables received	District level		Sub district level	
				From where received	How received	From where received	How received
Balaghat	1	400		Division Level	Through vehicle	DAPCU	Through vehicle

### Supply Chain Management of Commodities- Madhya Pradesh

District	No of Non cold storage facilities	Space (Sqft)	Consumables received	District level		Sub district level	
				From where received	How received	From where received	How received
Bhopal	1	100	Lab related, Registers, Condoms & IEC materials	SACS	Through vehicle	SACS	Through vehicle
Dewas	Not available			SACS	Through vehicle	SACS	Through vehicle
Harda	1	20		Division Level	Through vehicle	DAPCU	Through vehicle
Indore	Not available			SACS	Through vehicle	SACS	Through vehicle
Mandsaur	Not available			SACS	Through vehicle	SACS	Through vehicle
Panna	Not available			SACS	Through vehicle	SACS	Through vehicle
Rewa	Not available			SACS	Through vehicle	SACS	Through vehicle



# Supply Chain Management of Commodities- Maharashtra

## Fact sheet 11: Maharashtra

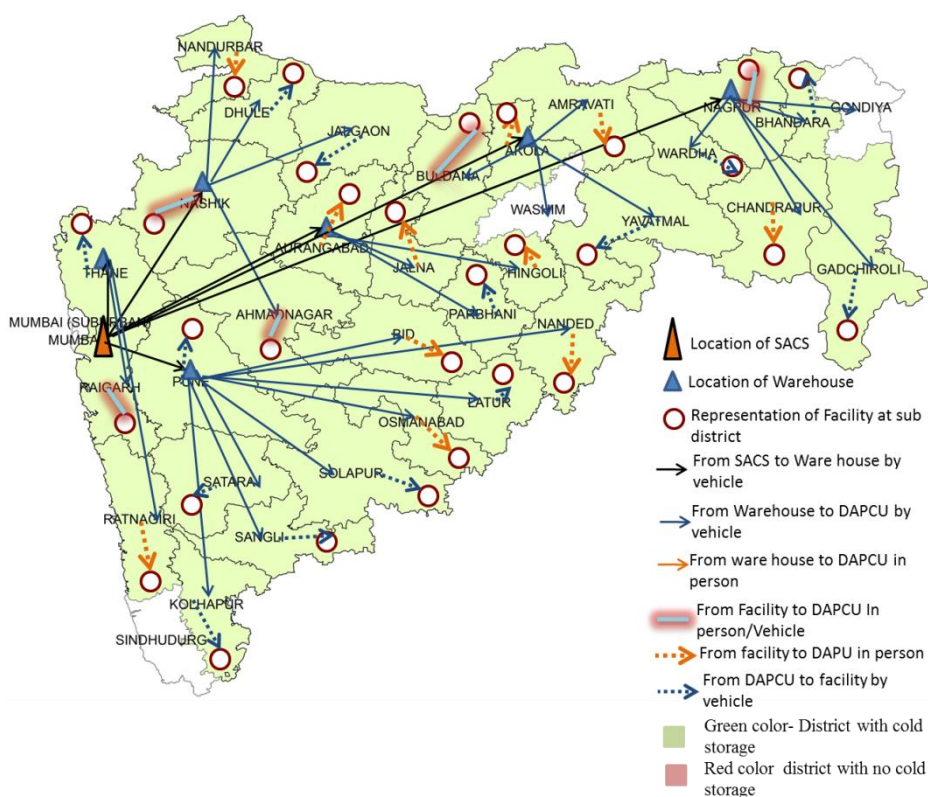
### Introduction

Maharashtra is the second largest state in India with 35 districts. Among the 35 districts 30 districts in Maharashtra are under “A” category hence DAPCUs were established in these 30 districts. In order to prevent new infections and contain the spread of transmission, state has established 1299 ICTCs, 41 ART centres, 89 TI projects, 76 Blood Banks, 8 SRLs, 42 STI clinics, 30 CCCs and 111 LACs in the state (as per Oct'11 DMRs). Functioning of these facilities is predominantly dependent on the availability of human resource, infrastructure and supplies. Information provided below depicts the supply chain mechanism and the infrastructure available to store cold and non-cold commodities at district and sub district level

### Supply chain management of commodities requiring cold chain in Maharashtra

In Maharashtra, facility to store cold storage commodities is available at 6 Regional units Warehouses present in various DAPCU districts. Neighbouring DAPCU districts share the designated regional warehouses to receive the cold commodities.

- Each regional warehouses has a Walk in Cooler (WIC)
- All 30 DAPCUs has 2 ILR/TORs at the district level. The size of ILR/TOR ranging from 150 to 350 Its
- Commodities that are being stored in the cold storage facilities are RPR test kits, Hepatitis – B test kits for blood banks and HIV test kits



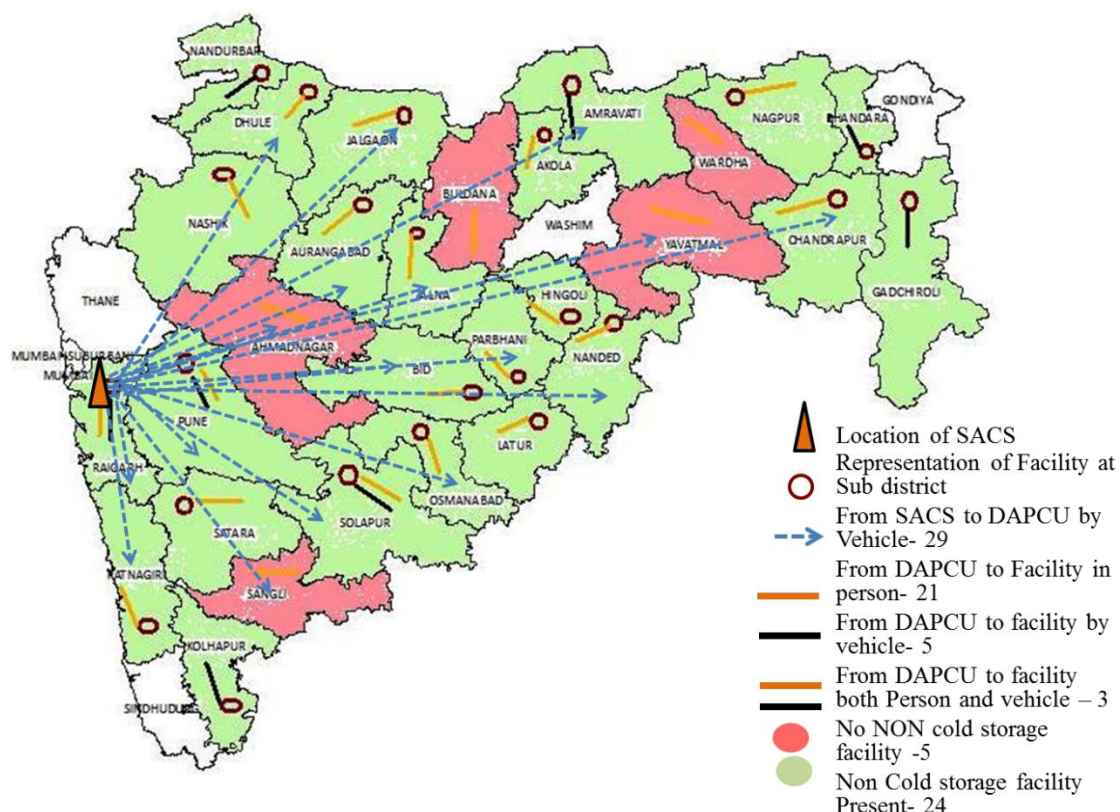
## Supply Chain Management of Commodities- Maharashtra

Supply of cold commodities from Higher centre to district			
Districts with cold storage facility N=30		Districts without cold storage facility N=0	
<b>Supply of commodities from the State Level to district</b>	Commodities are supplied from Regional units (Blue triangle) in the above chart (SACS is supplying commodities to regional units)	<b>Supply of commodities from the State Level to district</b>	Not Applicable
<b>Mode of supply of commodities from the State Level to district</b>	Commodities are transported through Vehicle with cold box	<b>Mode of supply of commodities from the State Level to district</b>	Not Applicable
<b>Indent mechanism</b>	No Structured mechanism	<b>Indent mechanism</b>	Not Applicable
Supply of cold commodities from district to peripheral centres			
Districts with cold storage facility =30		Districts without cold storage facility N=0	
<b>Supply of commodities from district to peripheral units</b>	Commodities are supplied from DAPCU to facilities	<b>Supply of commodities from district to peripheral units</b>	Not applicable
<b>Mode of supply of commodities from the district to facilities</b>	Commodities are transported through Vehicle with cold box -14, In person from facilities – 11 and both personnel and vehicle- 5	<b>Mode of supply of commodities from the district to facilities</b>	Not applicable
<b>Indent mechanism</b>	No structured mechanism	<b>Indent mechanism</b>	Not applicable

### Supply chain management of Non-cold commodities in Maharashtra

- They receive Lab consumables, registers, IEC materials and Condoms from central TNMSC warehouse at Chennai through Vehicle.
- The area of non-cold storage facility ranging from 20-450

## Supply Chain Management of Commodities- Maharashtra



Supply of Non cold commodities from district to peripheral centres			
Districts with Non cold storage facility N=24		Districts without Non cold storage facility N=5	
<b>Supply of commodities from the State Level to district</b>	Commodities are supplied from SACS to DAPCU	<b>Supply of commodities from the State Level to district</b>	Commodities are supplied from SACS to DAPCU
<b>Mode of supply of commodities from the State Level to district</b>	Commodities are transported through Vehicle - 24	<b>Mode of supply of commodities from the State Level to district</b>	Commodities are transported through Vehicle -5
<b>Indent mechanism</b>	No Structured mechanism	<b>Indent mechanism</b>	No Structured mechanism
Supply of cold commodities from district to peripheral centres			
Districts with cold storage facility N=24		Districts without cold storage facility N=5	
<b>Supply of commodities from the district to facilities</b>	Commodities are supplied from DAPCU to facilities	<b>Supply of commodities from the district to facilities</b>	Commodities are supplied from DAPCU to facilities
<b>Mode of supply of commodities from the district to facilities</b>	Commodities are transported through Vehicle in 5 districts Personnel from DAPCU	<b>Mode of supply of commodities from the district to facilities</b>	Personnel from DAPCU collects the commodities in person in 5 districts

## Supply Chain Management of Commodities- Maharashtra

Supply of Non cold commodities from district to peripheral centres			
Districts with Non cold storage facility N=24		Districts without Non cold storage facility N=5	
	<p>collects the commodities in person in 16 districts</p> <p>Commodities are either transported through vehicle or personnel from DAPCU collects the commodities in 3 districts</p>		
<b>Indent mechanism</b>	No Structured mechanism	<b>Indent mechanism</b>	No Structured mechanism

## Supply Chain Management of Commodities- Maharashtra

**Table A: Details regarding the location of cold storage places, contact details of the point person**

S.No	District	Type of Cold storage	Capacity (Sqft)	Point person	Designation	Address
1	Ahmednagar	ILR/TOR (2)				
2	Akola	Wak in cooler (1)				
	Akola	ILR/TOR (2)	300 (2)	Ku.Aarti Tiwari	Lab Tech	1)Ku.Aarti Tiwari Lab Tech ICTC,Civil Hospital,Z.P.Road akola,Mb.No 9657351964 2) Ku.Lina Patel ICTC Lab-Tech,DHW Durga Chowk,Akola Mb.No.9028113179
3	Amravati	Wak in cooler (1)	960	Mr Abdul	Pharmacist	Mr. Adsul, Main Pharmacist, Medical Store, Civil Hospital, Irvin Square, Amravati-444602(M.S.) 0721266336-37-39, Mo.No. 9372861253
		ILR/TOR (2)	300 (2)	Mr. Adsul	Pharmacist	Mr. Adsul, Main Pharmacist, Medical Store, Civil Hospital, Irvin Square, Amravati-444602(M.S.) 0721266336-37-39, Mo.No. 9372861253
4	Aurangabad	Wak in cooler (1)	180	Mr Chavan	Deputy Director	Mr Chavan 9028990967, Deputy Director Health Services Aurangabad Circle Print travel Near Baba Petrol Pump Aurangabad 431001
		ILR/TOR (2)	300	Mr Mangesh Gaikwad		Mr Mangesh Gaikwad 02402356595 D-1 Medical College Quarters Opposite Panchakki Aurangabad 431001
5	Beed	ILR/TOR (2)	300 (2)	Ingale M.S.		1) Ingale M.S. (D.H.Beed) 9423469938 2) Inamdar F.R. (D.H. Beed) 9420657386

### Supply Chain Management of Commodities- Maharashtra

S.No	District	Type of storage	Cold	Capacity (Sqft)	Point person	Designation	Address
6	Bhandara	ILR/TOR (2)		165	Mr.Omprakash Akare	Office Asst	Mr.Omprakash Akare-Office Asst., DAPCU, General Hospital, Bhandara, Mob.: 9423605925
7	Buldhana	ILR/TOR (2)		250			
8	Chandrapur	ILR/TOR(2)					
9	Dhule	ILR/TOR (2)					
10	Gadchiroli	ILR/TOR (2)					
11	Hingoli	ILR/TOR (2)		350	Ashish Patil	M & E	Ashish Patil M&E ADAPCU Hingoli 7588154333
12	Jalgaon	ILR/TOR (2)		300 (3)	Dr Pramod Devaraj & Sanjay Pahurkar	DPO	Dr Pramod Devaraj DPO 9869933800, Sanjay Pahurkar - M No-9890283860, Postal Add - DAPCU office Civil Hospital Jalgaon Near Pande chauk Jalgaon, Pin Code - 425001
13	Jalna	ILR/TOR (2)					
14	Kolhapur	ILR/TOR (2)		165 (2)	DPO	DPO	District Program Officer, Distrct AIDS Prevention and Control Unit, CPR Hospital, Kolhapur - 416002. Ph. No.02312646441
15	Latur	ILR/TOR (2)		175	Sunlta Mitkari	Lab Tech	sunlta mitkari, Lab Tech ICTC Nagar Parshad Hospital patel chowk Latur (9922763979)
16	Nagpur	Walk in cooler (1)			Shri Dhangre	Senior Pharmacist	Shri Dhangre (Senior Pharmasist) DDHS Office,Mata Kacheri, Nagpur 9822363886
		ILR/TOR (2)		175 (4)			

### Supply Chain Management of Commodities- Maharashtra

S.No	District	Type of Cold storage	Capacity (Sqft)	Point person	Designation	Address
17	Nanded	ILR/TOR (2)	300			
18	Nandurbar	ILR/TOR (2)				
19	Nasik	Walk in cooler (1)				
		ILR/TOR (2)				
20	Osmanabad	ILR/TOR (2)	300 (2)	DPO	DPO	DPO, DAPCU, Civil Hospital, Osmanabad
21	Parbhani	ILR/TOR (2)	150			
22	Pune	Walk in cooler(2)				
		ILR/TOR (2)				
23	Raigad	ILR/TOR (2)		M & E Asst	M & E Asst	M & E,Assistant 9421253262, 02141282183,Civil Hospital, Seaface Road,Alibag, Raigad 402201
24	Ratnagiri	ILR/TOR (2)				
25	Sangli	ILR/TOR (2)				
26	Satara	ILR/TOR (2)				
27	Solapur	ILR/TOR (2)	150 (2)	Dr Sayaji Gaikwad & Shivdarshan Sadakale	DAPU staff	Dr Sayaji Gaikwad/ Shivdarshan Sadakale-9923282765/9423347020/ Office- 02172310260 District AIDS Prevention & Control Unit, Civil Hospital Compound, Near TB Office, Behind OPD No. 40, Solapur
28	Thane	Walk in cooler(1)				
		ILR/TOR (2)				

**Supply Chain Management of Commodities- Maharashtra**

S.No	District	Type of Cold storage	Capacity (Sqft)	Point person	Designation	Address
29	Wardha	ILR/TOR (2)				
30	Yavatmal	ILR/TOR (2)				

**Table B: Details regarding the location of Non cold storage facility, contact details of the point person**

Dist. Code	District	No of Non cold storage facilities	Approx area (Sqft)	Point person	Designation	Address
1	Akola	1	144	Mr.Yogesh Potdar		Mr.Yogesh Potdar ,DAPCU Civil Hospital,Z.P.Road,Akola
2	Amravati	1	220	Mr.Ajay Sakhare	DPO	Mr.Ajay Sakhare, DPO, DAPCU 2nd Flore OPD Building, Civil Hospital, Irvin Square, Amrvati-444602. 0721-2551965, 09421820869.
3	Aurangabad	1	80	Mr Mangesh Gaikwad		Mr Mangesh Gaikwad 02402356595
4	Beed	2	120(2)	1. Shelmukar P.P. 2. Solanke		1) Shelmukar P.P. (D.H. Beed) 8983795185 2) Solanke V.D. ( DAPCU,D.H. Beed) 9665211768
5	Bhandara	4	100 (4)	Mr.Omprakash Akare	Office Asst	Mr.Omprakash Akare-Office Asst., DAPCU, General Hospital, Bhandara, Mob.: 9423605925
6	Chandrapur	1	100	Rahul Tawale	Rahul Tawale	Rahul Tawale 9503629212, District AIDS Prevention & Control Unit Generel Hospital chandrapur
7	Dhule	1	20	Mr Sachin J Shevatkarl	Office Asst	Mr Sachin J Shevatkarl Office Assi DAPCU Dhule opp T.B word civil Hospital campus Dhule



**Supply Chain Management of Commodities- Maharashtra**

Dist. Code	District	No of Non cold storage facilities	Approx area (Sqft)	Point person	Designation	Address
8	Gadchiroli	1		Mr. Mahesh Bhandekar		Mr. Mahesh Bhandekar, 9423620353, DAPCU, G. H. Gadchiroli
9	Hingoli	1	100	Ashish Patil	M&E Asst	Ashish Patil M&E A
10	Jalgaon	1	450	Dr Pramod Devaraj Sanjay Paturkar	DPO	Dr Pramod Devaraj DPO, Sanjay Paturkar - M No-9890283860, Postal Add - DAPCU office Civil Hospital Jalgaon Near Pande chauk Jalgaon Pin Code -425001 1) Lab Technician Mrs Ujawala Pagare M.NO - 9673091788 2) Lab Technician Mr Ashok Pawar -9422263248 3) Lab Technician Mrs Prathibha Chaudhari - 9765478945 4) Lab Technician Mrs Suwarna Salunke - 9405051180
11	Jalna	4				
12	Kolhapur	1	400	DPO	DPO	District Program Officer, District AIDS Prevention and Control Unit, CPR Hospital, Kolhapur - 416002. Ph. No.02312646441
13	Latur	1	180	Govind sakhare	Office Asst	Govind sakhare,OA DAPCU Office women Hospital Laber colini Azam chowk Latur (02382 -253355)
14	Nagpur	1		Shri Dhangre	Senior Pharmasist	Shri Dhangre (Senior Pharmasist) DDHS Office,Mata Kacheri, Nagpur 9822363886
15	Nanded	1	80	Mr. S. S.. Kharat		Mr. S. S.. Kharat DAPCU Office Medical College Camaps Vazirabad Nanded 9595701741
16	Nandurbar	5	150 (5)			

**Supply Chain Management of Commodities- Maharashtra**

Dist. Code	District	No of Non cold storage facilities	Approx area (Sqft)	Point person	Designation	Address
17	Nashik	1	200	DPO	DPO	DPO , District AIDS Prevention & Control Unit , Civil Hospital Nashik
18	Osmanabad	1	150	DPO	DPO	DPO DAPCU Civil Hospital Osmanabad 413501 Mo No-9881401312
19	Parbhani	1	240	DAPCU	DPO	DAPCU OFFICE, District Hospital, DP Road, Aundh, Pune. Ph. (020) - 27280610
20	Pune	1	240	DAPCU	DPO	DAPCU OFFICE, District Hospital, DP Road, Aundh, Pune. Ph. (020) - 27280610
21	Raigad	1		Civil Hospital	M&E Asst	M & E,Assistant 9421253262, 02141282183,Civil Hospital, Seaface Road,Alibag, Raigad 402201
22	Ratnagiri	1	350	Samir Gamare	M&E Asst	Samir Gamare,M & E Asst,DAPCU,Civil Hospital Ratnagiri
23	Satara	1	100			
24	Solapur	2	100 (2)	Dr Sayaji Gaikwad/ Shivdarshan Sadakale		1. Dr Sayaji Gaikwad/ Shivdarshan Sadakale-9923282765/9423347020/ Office-02172310260 District AIDS Prevention & Control Unit, Civil Hospital Compound, Near TB Office, Behind OPD No. 40, Solapur 2. Store, Civil Hospital, Old Medical College Campus, Commissioner Office Campus, Gurunanak Chauk, Solapur

## Supply Chain Management of Commodities- Maharashtra

**Table I: Supply chain management of Cold storage commodities in the state**

District	Type of cold storage	Space (sqft)	Consumables received	District level		Sub district level	
				From where received	How received	From where received	How received
Ahmednagar	ILR/TOR (2)			Regional Level	Vehicle with cold box	DAPCU	In person/Vehicle
Akola	WIC (1) ILR/TOR (2)	ILR/TOR - 300 (2)	HIV kits & Neverapine	Regional Level	Vehicle with cold box	DAPCU	In person from facilities with cold box carriers
Amravati	WIC (1) & ILR/TOR (2)	WIC -960 & ILR/TOR -300 (2)	HIV kits & RPR kits	Regional level	Vehicle with cold box	DAPCU	In person from facilities with cold box carriers
Aurangabad	WIC (1) & ILR/TOR (2)	WIC -180 & ILR/TOR -300	HIV kits & RPR kits	Regional Level	Vehicle with cold box	DAPCU	In person from facilities with cold box carriers
Beed	ILR/TOR (2)	ILR/TOR - 300 (2)	HIV kits & RPR kits	Regional level	Vehicle with cold box	DAPCU	In person from facilities with cold box carriers
Bhandara	ILR/TOR (2)	ILR/TOR - 165	HIV kits & RPR kits	Regional level	Vehicle with cold box	DAPCU	Vehicle from District
Buldhana	ILR/TOR (2)	ILR/TOR - 250	HIV kits, RPR kits & Neverapine	Regional Level	Vehicle with cold box	DAPCU	Both
Chandrapur	ILR/TOR (2)			Regional Level	Vehicle with cold box	DAPCU	In person from facilities with cold box carriers

**Supply Chain Management of Commodities- Maharashtra**

District	Type of cold storage	Space (sqft)	Consumables received	District level		Sub district level	
				From where received	How received	From where received	How received
Dhule	ILR/TOR (2)	WIC -20	HIV kits & RPR kits	Regional Level	Vehicle with cold box	DAPCU	Vehicle from SACS/Warehouse
Gadchiroli	ILR/TOR (2)			Regional Level	Vehicle with cold box	DAPCU	Vehicle from District
Hingoli	ILR/TOR (2)	ILR/TOR - 350	HIV kits	Regional Level	Vehicle with cold box	DAPCU	In person from facilities with cold box carriers
Jalgaon	ILR/TOR (2)	ILR/TOR - 300 (3)	HIV kits & RPR kits	Regional Level	Vehicle with cold box	DAPCU	Vehicle from District
Jalna	ILR/TOR (2)			Regional Level	Vehicle with cold box	DAPCU	In person from facilities with cold box carriers
Kolhapur	WIC(1) ILR/TOR (2)	ILR/TOR - 165 &175	HIV kits	Regional Level	Vehicle with cold box	DAPCU	Vehicle from District
Latur	ILR/TOR (2)	ILR/TOR -175	HIV kits	Regional Level	Vehicle with cold box	DAPCU	Vehicle from District
Nagpur	WIC (1) & ILR/TOR (2)	ILR/TOR -175 (4)	HIV kits, RPR kits & Neverapine	Regional Level	Vehicle with cold box	DAPCU	Both
Nanded	ILR/TOR (2)	ILR/TOR -300	HIV kits	Regional Level	Vehicle with cold box	DAPCU	In person from facilities with cold box carriers

**Supply Chain Management of Commodities- Maharashtra**

District	Type of cold storage	Space (sqft)	Consumables received	District level		Sub district level	
				From where received	How received	From where received	How received
Nandurbar	ILR/TOR (2)			Regional Level	Vehicle with cold box	DAPCU	In person from facilities with cold box carriers
Nashik	WIC(1) ILR/TOR (2)			Regional Level	Vehicle with cold box	DAPCU	Both
Osmanabad	ILR/TOR (2)	ILR/TOR -300 (2)	HIV kits & Neverapine	Regional Level	Vehicle with cold box	DAPCU	In person from facilities with cold box carriers
Parbhani	ILR/TOR (2)	ILR/TOR -150	HIV kits	Regional Level	Vehicle with cold box	DAPCU	Vehicle from District
Pune	WIC(2) ILR/TOR (2)			Regional Level	Vehicle with cold box	DAPCU	Vehicle from District
Raigad	ILR/TOR (2)			Regional Level	Vehicle with cold box	DAPCU	Both
Ratnagiri	ILR/TOR (2)			Regional Level	Vehicle with cold box	DAPCU	In person from facilities with cold box carriers
Sangli	ILR/TOR (2)			Regional Level	Vehicle with cold box	DAPCU	Vehicle from District
Satara	ILR/TOR (2)			Regional Level	Vehicle with cold box	DAPCU	Vehicle from District
Solapur	ILR/TOR (2)	ILR/TOR -150 (2)	HIV kits & RPR kits	Regional Level	Vehicle with cold box	DAPCU	Vehicle from District

### Supply Chain Management of Commodities- Maharashtra

District	Type of cold storage	Space (sqft)	Consumables received	District level		Sub district level	
				From where received	How received	From where received	How received
Thane	WIC(1) ILR/TOR (2)					DAPCU	Vehicle from District
Wardha	ILR/TOR (2)			Regional Level	Vehicle with cold box	DAPCU	Vehicle from District
Yavatmal	ILR/TOR (2)			Regional Level	Vehicle with cold box	DAPCU	Vehicle from District

## Supply Chain Management of Commodities- Maharashtra

**Table II: Supply chain management of Non -Cold commodities in the state**

District	No of Non cold storage	Space (sqft)	Consumables received	District Level		Sub district level	
				From where received	How received	From where received	How received
Ahmednagar	No			SACS	Through vehicle	DAPCU	In person
Akola	Yes	144	Registers, Condoms	SACS	Courier/Parcel	DAPCU	In person
Amravati	Yes	220	Registers, Condoms	SACS	Through vehicle	DAPCU	Through vehicle
Aurangabad	Yes	80	Registers, Condoms	SACS	Through vehicle	DAPCU	In person
Beed	Yes	120	Registers, Condoms	SACS	Through vehicle	DAPCU	In person
Bhandara	Yes	100	Lab related, Registers, Condoms	SACS	Courier/Parcel	DAPCU	Through vehicle
Buldhana	No			SACS	Through vehicle	DAPCU	In person
Chandrapur	Yes	100	Lab related, Registers, Condoms & IEC materials	SACS	Through vehicle	DAPCU	In person
Dhule	Yes	20	Lab related, Registers & IEC materials	SACS	Through vehicle	DAPCU	In person
Gadchiroli	Yes		Lab related, Registers	SACS	Courier/Parcel	DAPCU	Through vehicle
Hingoli	Yes	100	Lab related, Registers & IEC materials	SACS	Courier/Parcel	DAPCU	In person
Jalgaon	Yes	450	Lab related, Registers, IEC materials & Condoms	SACS	Through vehicle	DAPCU	In person
Jalna	Yes			SACS	Through vehicle	DAPCU	In person
Kolhapur	Yes	400	Lab related, Registers, IEC materials & Condoms	SACS	Courier/Parcel	DAPCU	Through vehicle

**Supply Chain Management of Commodities- Maharashtra**

District	No of Non cold storage	Space (sqft)	Consumables received	District Level		Sub district level	
				From where received	How received	From where received	How received
Latur	Yes	180	Lab related, Registers, IEC materials & Condoms	SACS	Courier/Parcel	DAPCU	In person
Nagpur	Yes			SACS	Courier/Parcel	DAPCU	In person
Nanded	Yes	80	Lab related, Registers, IEC materials & Condoms	SACS	Through vehicle	DAPCU	In person
Nandurbar	Yes	150	Lab related, IEC materials & Condoms	SACS	Courier/Parcel	DAPCU	Through vehicle
Nashik	Yes	200	Lab related, Registers, IEC materials & Condoms	SACS	Courier/Parcel	DAPCU	In person
Osmanabad	Yes	150	Lab related, Registers, IEC materials & Condoms	SACS	Through vehicle	DAPCU	In person
Parbhani	Yes	240	Lab related, Registers, IEC materials & Condoms	SACS	Through vehicle	DAPCU	In person
Pune	Yes	240	Lab related, Registers, IEC materials & Condoms	SACS	Through vehicle	DAPCU	Both
Raigad	Yes		Lab related, Registers, IEC materials & Condoms	SACS	Through vehicle	DAPCU	Both
Ratnagiri	Yes	350	Lab related, Registers, IEC materials	SACS	Through vehicle	DAPCU	In person
Sangli	No			SACS	Through vehicle	DAPCU	In person
Satara	Yes	100	Lab related, Registers, IEC materials & Condoms	SACS	Courier/Parcel	DAPCU	In person



### Supply Chain Management of Commodities- Maharashtra

District	No of Non cold storage	Space (sqft)	Consumables received	District Level		Sub district level	
				From where received	How received	From where received	How received
Solapur	Yes	100	Lab related, Registers, IEC materials & Condoms	SACS	Through vehicle	DAPCU	Both
Thane							
Wardha	No			SACS	Courier/Parcel	DAPCU	In person
Yavatmal	No			SACS	Through vehicle	DAPCU	In person

# Supply Chain Management of Commodities- Manipur

## Fact sheet 12: Manipur

### Introduction

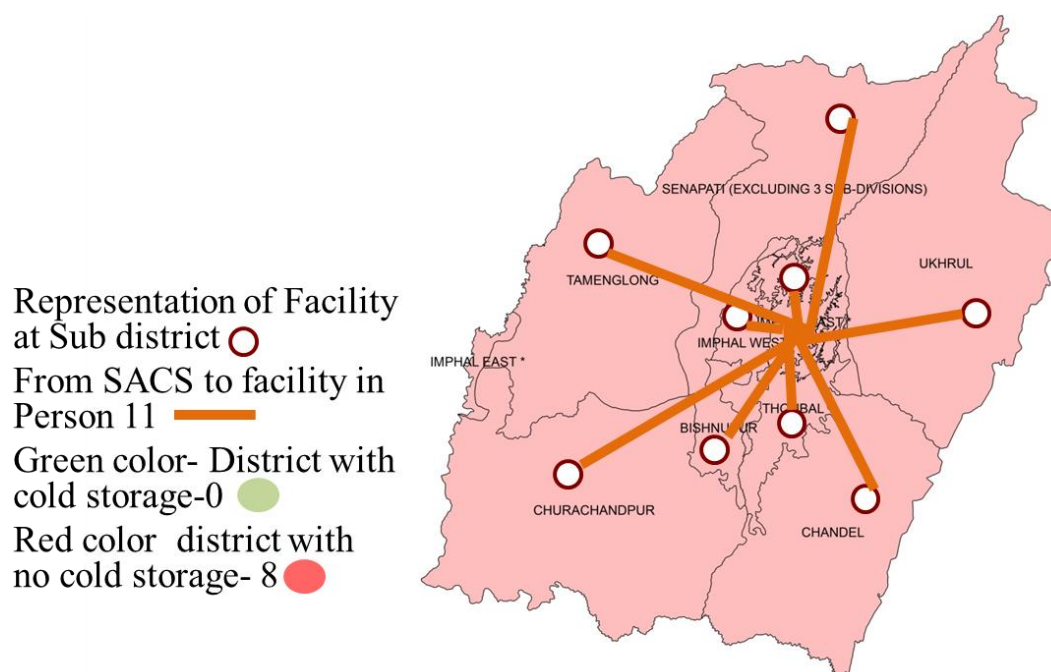
Manipur is a small state with population of 2.4 million in the northeast region of India with 9 districts. **As per the Annual Action Plan of NACO - 2008-09, there are 8 A category and 1 B category districts in Manipur.** DAPCUs are established in all the 9 districts (As per October 11 DAPCU Monthly Reports). In order to prevent new infections and contain the spread of transmission, state has established 64 ICTCs, 10 ART centres, 67 TI projects, 3 Blood Banks, 2 SRLs, 10 STI clinics, 9 CCCs and 9 LACs in the 9 districts of the state. Functioning of these facilities is predominantly dependent on the availability of human resource, infrastructure and supplies. Information provided below depicts the supply chain mechanism and the infrastructure to store the same at district and sub district level.

### Supply chain management of commodities requiring cold chain in Manipur

In Manipur, there is no facility to store cold storage commodities.

- There is no ILR at the district level in any of the districts since the supply is directly from SACS warehouse to sub district level facilities. DAPCUs are not involved in supply chain management.
- There are no cold storage facilities in all 8 DAPCUs of Manipur state.
- From facilities either counsellor/LT will go to SACS (SACs is there in Imphal East) and collect the kits as and when required.
- Tamenglong District has not provided the details of cold storage facility

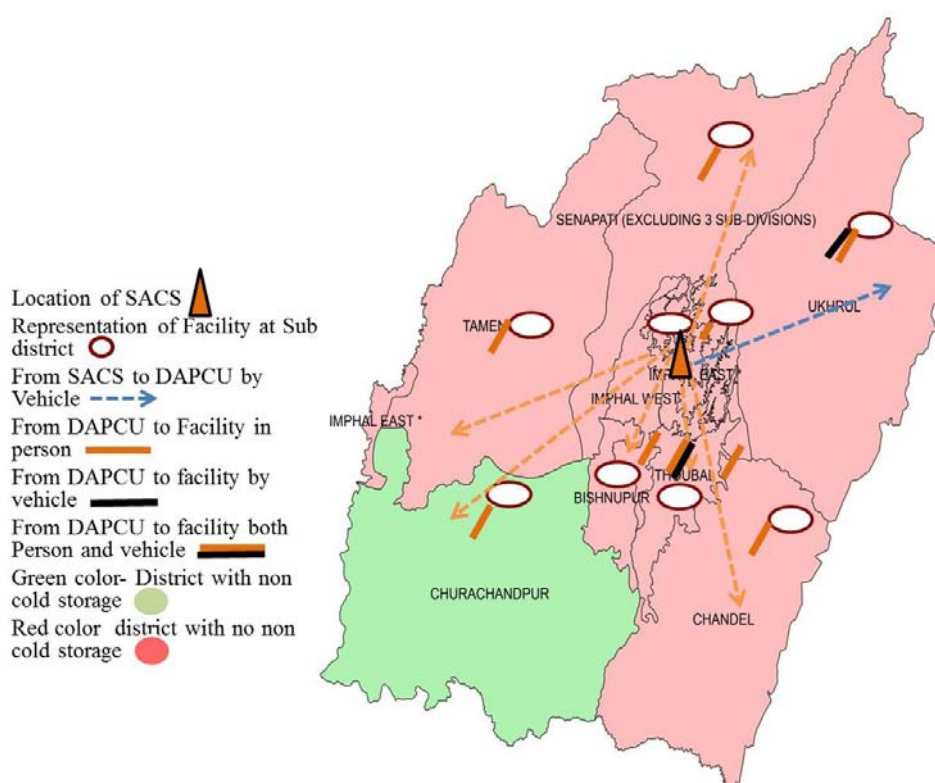
### Supply chain management of cold commodities- Manipur



## Supply Chain Management of Commodities- Manipur

Supply of cold commodities from Higher centre to district			
Districts with cold storage facility N=0		Districts without cold storage facility N=8	
<b>Supply of commodities from the State Level to district</b>	Not Applicable as there is no cold storage facility in DAPCUs	<b>Supply of commodities from the State Level to district</b>	Not Applicable as there is no cold storage facility in DAPCUs
<b>Mode of supply of commodities from the State Level to district</b>	Not applicable as commodities are directly received by the functionaries of the facilities from SACS in person.	<b>Mode of supply of commodities from the State Level to district</b>	Not applicable as commodities are directly received by the functionaries of the facilities from SACS in person.
<b>Indent mechanism</b>	Not applicable	<b>Indent mechanism</b>	Not applicable
Supply of cold commodities from district to peripheral units			
Districts with cold storage facility N=0		Districts without cold storage facility N=8	
<b>Source</b>	Not applicable	<b>Source</b>	Commodities are being supplied from SACS
<b>Mode of supply</b>	Not applicable	<b>Mode of supply</b>	Personnel from the facilities receive the commodities in person from SACS
<b>Indent mechanism</b>	Not applicable	<b>Indent mechanism</b>	No Structured mechanism

### Supply chain management of Non-cold commodities in Manipur



## Supply Chain Management of Commodities- Manipur

- Churachandpur is the only district with facility to store non-cold commodities at the district level.

Supply of Non cold commodities from Higher centre to district			
Districts with Non cold storage facility N=1		Districts without Non cold storage facility N=7	
<b>Supply of commodities from the State Level to district</b>	Commodities are being supplied from SACS	<b>Supply of commodities from the State Level to district</b>	Commodities are being supplied from SACS to DAPCU
<b>Mode of supply of commodities from the State Level to district</b>	Personnel from the facilities receive the commodities in person from SACS	<b>Mode of supply of commodities from the State Level to district</b>	DAPCU team collects the commodities in person from SACS  Ukhrul Dapcu team Receives the commodities Through vehicle-
<b>Indent mechanism</b>	No Structured mechanism	<b>Indent mechanism</b>	No Structured mechanism
Supply of cold commodities from district to peripheral units			
Districts with Non cold storage facility N=1		Districts without Non cold storage facility N=7	
<b>Supply of commodities from the State Level to district</b>	SACS	<b>Supply of commodities from the State Level to district</b>	DAPCU team collects the commodities in person from SACS
<b>Mode of supply of commodities from the State Level to district</b>	In person	<b>Mode of supply of commodities from the State Level to district</b>	Personnel from the facilities receive the commodities in person from In person  Thoubal and Ukhrul in person and vehicle.
<b>Indent mechanism</b>	No Structured mechanism	<b>Indent mechanism</b>	No Structured mechanism

## Supply Chain Management of Commodities- Manipur

**Table I: Supply chain management of Cold storage commodities in the state**

District	Type of cold storage	District level		Sub district level	
		From where received	How received	From where received	How received
Bishunupur	No	Not Applicable	Not Applicable	SACS	In person from facilities with cold box carriers
Chandel	No	Not Applicable	Not Applicable	SACS	In person from facilities with cold box carriers
Churachandpur	No	Not Applicable	Not Applicable	SACS	In person from facilities with cold box carriers
Imphal East	No	Not Applicable	Not Applicable	SACS	In person from facilities with cold box carriers
Imphal West	No	Not Applicable	Not Applicable	SACS	In person from facilities with cold box carriers
Senapati	No	Not Applicable	Not Applicable	SACS	In person from facilities with cold box carriers
Tamenglong	Not reported	Not Applicable	Not Applicable		
Thoubal	No	Not Applicable	Not Applicable	SACS	In person from facilities with cold box carriers
Ukhrul	No	Not Applicable	Not Applicable	SACS	In person from facilities with cold box carriers

## Supply Chain Management of Commodities- Manipur

**Table II: Supply chain management of Non -Cold commodities in the state**

District	No of Non cold storage	Space (sqft)	Consumables received	District level		Sub district level	
				From where received	How received	From where received	How received
Bishunupur	Not available			Not Applicable	Not Applicable	SACS	In person from facility
Chandel	Not available			Not Applicable	Not Applicable	SACS	In person from facility
Churachandpur	3	120 (3)	Lab related, Registers, Condoms & IEC materials	SACS	In person	SACS	In person from facility
Imphal East	Not available			Not Applicable	Not Applicable	SACS	In person from facility
Imphal West	Not available			Not Applicable	Not Applicable	SACS	In person from facility
Senapati	Not available			Not Applicable	Not Applicable	SACS	In person from facility
Tamenglong	Not reported						
Thoubal	Not available			Not Applicable	Not Applicable	SACS	In person from facility
Ukhrul	Not available			Not Applicable	Not Applicable	SACS	In person from facility

# Supply Chain Management of Commodities- Mizoram

## Fact sheet 13: Mizoram

### Introduction

The state is bordered by Myanmar in the east and south and Bangladesh in the west, Mizoram occupies an area of great strategic importance in the north-eastern corner of India. It has a total of 630 miles boundary with Myanmar and Bangladesh. Mizoram has the most variegated hilly terrain in the eastern part of India. The hills are steep and are separated by rivers that flow either to the north or the south creating deep gorges between the hill ranges. The population of Mizoram is 0.89 million according to 2001 census and is scattered over 9 districts, 26 blocks and 817 villages. The State has the density of 42 persons per sq. km. As against decadal growth rate of 21.54% at the national level, the population of the State has grown by 29.18% over the period 1991-2001. The sex ratio of Mizoram at 935 females to 1000 males is higher than the national average of 933. Female literacy of the State rose to 86.13% from 78.6% in 1991. DAPCUs are established in 3 districts. In order to prevent new infections and contain the spread of transmission, state has established 41 ICTCs, 2 ART centres, 24 TI projects, 4 Blood Banks, 1 SRL, 3 STI clinics , 1 CCC and 1 LAC in the 3 districts of the state. Functioning of these facilities is predominantly dependent on the availability of human resource, infrastructure and supplies. Information provided below depicts the supply chain mechanism and the infrastructure to store the same at district and sub district level. (Source: Nov 2011 DMR)

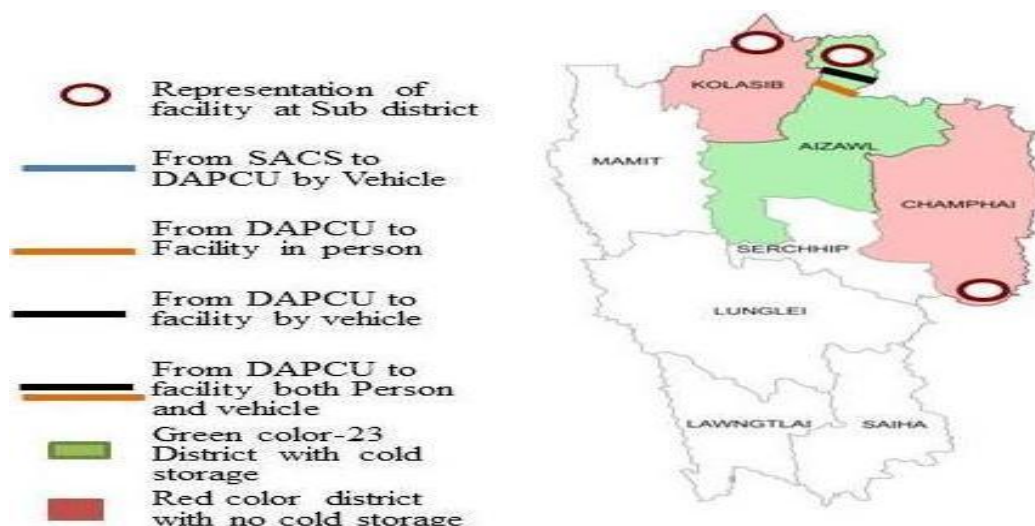
### Supply chain management of commodities requiring cold chain in Mizoram

In Mizoram, facility to store commodities requiring cold storage is available at 1 district (Aizwal).

- The capacity of this facility (walk in cooler) is 80 sqft, is functional and has AMC as well as power back up.
- HIV and RPR test kits are received by this facility

### Availability of cold storage facilities

Walk in cooler is present in Aizwal district



## Supply Chain Management of Commodities- Mizoram

(\*Green colour coding indicated DAPCU Districts with cold storage facility, Pink colour coding indicates DACPU districts without cold storage facility and districts with color coding- blank are non DAPCU districts)

Supply of cold commodities from Higher centre to district			
Districts with cold storage facility N=1		Districts without cold storage facility N=2	
<b>Supply of commodities from the State Level to district</b>	Commodities are being supplied from NACO to SACS	<b>Supply of commodities from the State Level to district</b>	Not Applicable
<b>Mode of supply of commodities from the State Level to district</b>	From SACS the commodities are received in person	<b>Mode of supply of commodities from the State Level to district</b>	Not Applicable
<b>Indent mechanism</b>	No Structured mechanism	<b>Indent mechanism</b>	No Structured mechanism
Supply of cold commodities from district to peripheral units			
Supply chain management at Districts having cold storage facility (District to Peripheral unit)		Supply chain management at Districts without cold storage facility	
<b>Supply of commodities from district to facilities</b>	Commodities are being supplied by SACS to facilities directly	<b>Source</b>	Not Applicable
<b>Mode of supply of commodities from district to facilities</b>	From SACS the commodities are collected in person by facilities	<b>Mode of supply</b>	Not Applicable
<b>Indent mechanism</b>	No Structured mechanism	<b>Indent mechanism</b>	No Structured mechanism

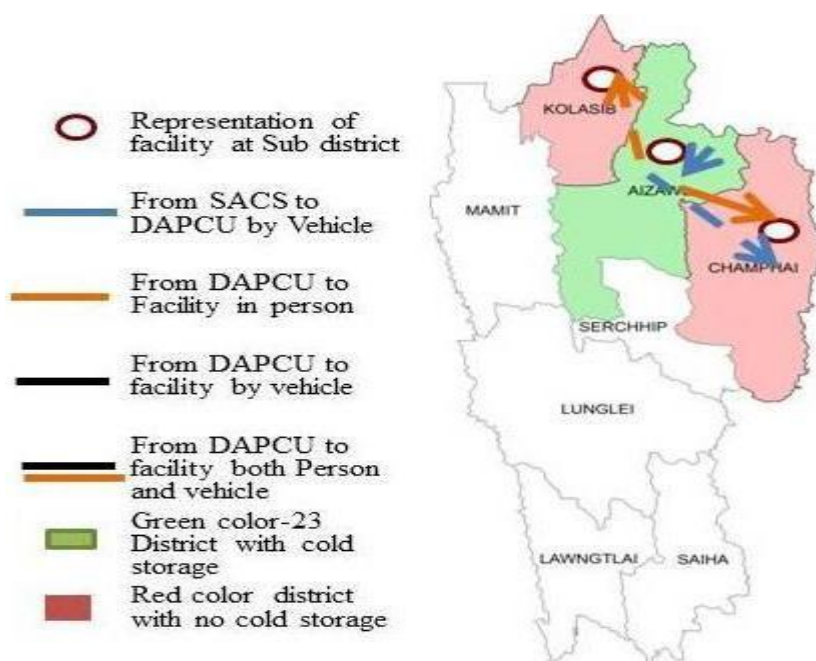
### Supply chain management of Non-cold commodities in the Mizoram

In Mizoram, facility to store Non cold storage commodities is available at 1 district (Aizwal).

- There are 3 facilities in this district with a total space of 720 sqft
- Lab related, Registers, IEC materials & Condoms are received by these facilities



## Supply Chain Management of Commodities- Mizoram



(\*Green colour coding indicated DAPCU Districts with cold storage facility, Pink colour coding indicates DACPU districts without cold storage facility and districts with color coding- blank are non DAPCU districts)

Supply of Non cold commodities from Higher centre to district			
Districts with non-cold storage facility N=1		Districts without non cold storage facility N=2	
<b>Supply of commodities from the State Level to district</b>	Commodities are being supplied from SACS to the district	<b>Supply of commodities from the State Level to district</b>	Commodities are being supplied from SACS
<b>Mode of supply of commodities from the State Level to district</b>	Commodities are being transported through Vehicle	<b>Mode of supply of commodities from the State Level to district</b>	Commodities are being transported through Vehicle
<b>Indent mechanism</b>	No structured mechanism	<b>Indent mechanism</b>	No Structured mechanism
Supply of Non cold commodities from district to peripheral units			
Districts with non-cold storage facility N=1		Districts without non cold storage facility N=2	
<b>Supply of commodities from the district to facilities</b>	Not Applicable	<b>Supply of commodities from the district to facilities</b>	Commodities are being supplied from SACS to facilities
<b>Mode of supply of commodities from the district to facilities t</b>	Not Applicable	<b>Mode of supply of commodities from the district to facilities t</b>	Personnel from facilities collect the commodities from SACS
<b>Indent mechanism</b>	No Structured mechanism	<b>Indent mechanism</b>	No Structured mechanism

## Supply Chain Management of Commodities- Mizoram

**Table I: Supply chain management of Cold storage commodities in the state**

District	Type of cold storage	Space (sqft)	Consumables received	District level		Sub district level	
				From where received	How received	From where received	How received
Aizawl	Walk in cooler (1)	80	HIV kits & RPR kits	NACO	In person	SACS	Both
Champhai	Not available	Not available	Not available	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Kolasib	Not available	Not available	Not available	Not Applicable	Not Applicable	Not Applicable	Not Applicable

**Table II: Supply chain management of Non -Cold commodities in the state**

District	No of Non cold storage facilities	Space (Sqft)	Consumables received	District level		Sub district level	
				From where received	How received	From where received	How received
Aizawl	3	720	Lab related, Registers, IEC materials & Condoms	NACO	Through vehicle	Not Applicable	Not Applicable
Champhai	Not available			SACS	Through vehicle	SACS	In person
Kolasib	Not available			Not Applicable	Not Applicable	SACS	In person

# Supply Chain Management of Commodities- Nagaland

## Fact sheet 14: Nagaland

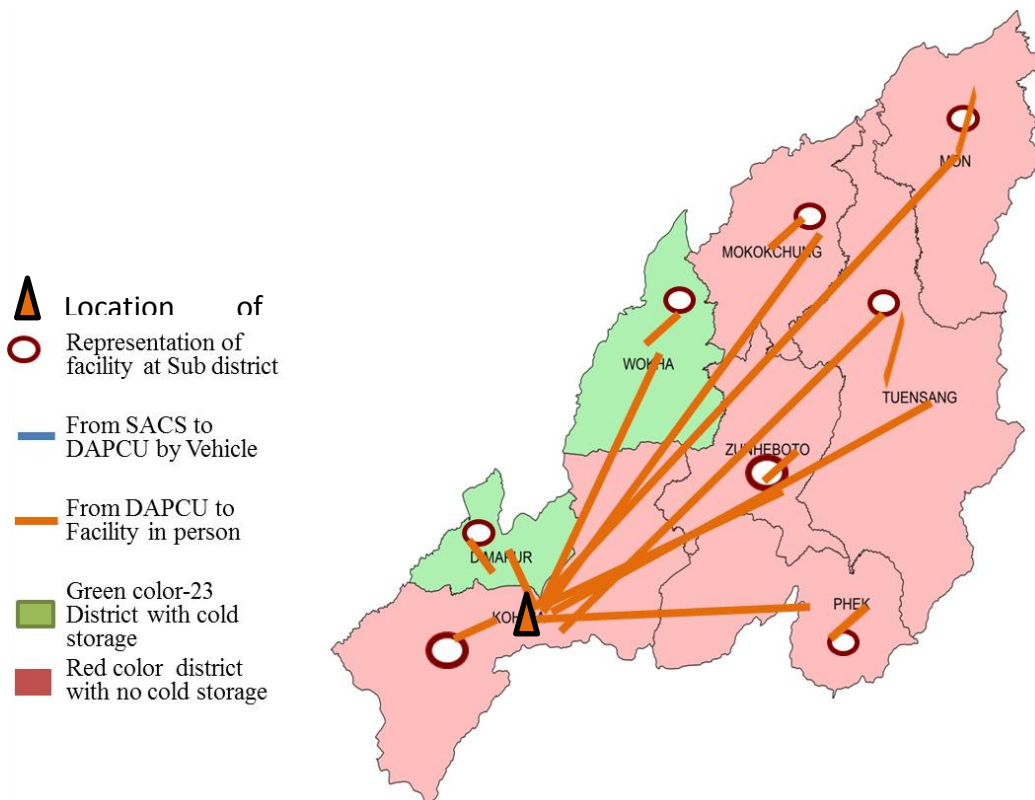
### Introduction:

Nagaland is one of the North Eastern states in India with 10 districts. All the 10 districts in Nagaland are under "A" category hence DAPCUs were established in all the districts. In order to prevent new infections and contain the spread of transmission, state has established 67 ICTCs, 6 ART centers, 50 TI projects, 7 Blood Banks, 2 SRLs, 11 STI clinics, 6 CCCs and 4 LACs in the state. (Data source from September month).

### Supply chain management of commodities requiring cold chain in Nagaland

Dimapur, Kiphire and Wokha DAPCUs are being availed the ILR/TORs of district health mission in their respective districts. All 10 DAPCUs collect kits from NSACS headquarters in person. In the same way DAPCU ships the kits to peripheral facilities in person.

- Size of 1 walk in cooler is capacity = 100 lts to 300lts.
- There is no ILR at the district level in any of the 7 districts since the supply is directly from NSACS warehouse to district level.
- Commodities that are being stored in the cold storage facilities are RPR test kits, Hepatitis – B test kits for blood banks and HIV test kits.
- Of the 3 ILRs, all the 3 are functional, 1 has (Wokha) AMC, and none with power backup (annexure-1).



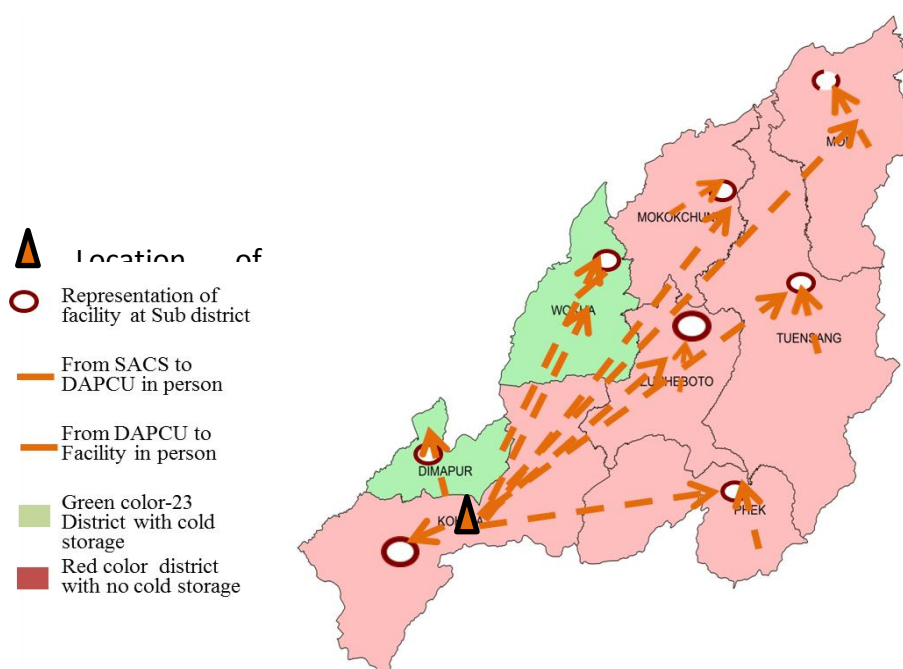
## Supply Chain Management of Commodities- Nagaland

Supply of commodities requiring cold chain from Higher centre to district			
Districts with cold storage facility		Districts without cold storage facility	
<b>Source</b>	Commodities are being supplied from SACS to DAPCU	<b>Source</b>	Commodities are being supplied from SACS to DAPCU
<b>Mode of supply</b>	Personnel from DAPCU with cold box carrier to collects the commodities in person.	<b>Mode of supply</b>	Personnel from DAPCU with cold box carrier to collects the commodities in person
<b>Indent mechanism</b>	No Structured mechanism	<b>Indent mechanism</b>	No Structured mechanism
Supply of commodities requiring cold chain from District to Peripheral unit			
Districts with cold storage facility		Districts without cold storage facility	
<b>Source</b>	Functionaries from the facilities directly receive the commodities in person from DAPCU.	<b>Source</b>	Functionaries from the facilities directly receive the commodities in person from DAPCU.
<b>Mode of supply</b>	In person from facilities with cold box carriers	<b>Mode of supply</b>	In person from facilities with cold box carriers
<b>Indent Mechanism</b>	No Structured mechanism	<b>Indent mechanism</b>	No Structured mechanism

### Supply chain management of Non-cold commodities in Nagaland

- 3 districts in the state have facilities to store non-cold commodities at the district level.
- Districts with storage facility- Kiphire, Kohima and Wokha districts.

### Supply chain management of non-cold commodities



## Supply Chain Management of Commodities- Nagaland

Supply of Non cold commodities from Higher centre to Districts			
District with Non cold storage facility		District without Non cold storage facility	
Source	Personnel coming from DAPUs to collect the commodities in person	Source	Personnel coming from DAPUs to collect the commodities in person
Mode of supply	In person	Mode of supply	In person
Indent mechanism	No Structured mechanism	Indent mechanism	No Structured mechanism
Supply of commodities requiring cold chain from District to Peripheral unit			
Source	DAPCU	Source	DAPCU
Mode of supply	In person	Mode of supply	In person
Indent mechanism	No Structured mechanism	Indent mechanism	No Structured mechanism

## Supply Chain Management of Commodities- Nagaland

**Table A: Details regarding the location of cold storage places, contact details of the point person**

Sl.No	District	Type of Cold storage	Capacity (Its)	Point person	Designation	Address	AMC (Yes/No)	Functional status (Yes/No)	Power backup (Yes/No)
1	Dimapur	ILR/TOR	100				No	Yes	No
2	Kiphire	ILR/TOR	165	1. Dr. H.Kumar 2. Dr. I.P Moa	Medical Officer	1. Dr. H.Kumar, M.O i/c ICTC Kiphire Civil Hospital: Kip hire Contact no.9436208308 2. Medical Officer i/c ARTC, Kiphire District 3. Dr. I.P Moa, M.O i/c ICTC Pungro PHC: Kiphire Contact no.9612569787	No	Yes	No
3	Wokha	ILR/TOR	300	Mr.Motsuthung Tsanglao	Store Keeper	Mr.Motsuthung Tsanglao (Store keeper)	Yes	Yes	No

**Table B: Details regarding the location of Non cold storage facility, contact details of the point person**

Dist. Code	District	No of non cold storage facilities	Approx area (Sqft)	Point person	Designation	Address
1	Kiphire	3	18 (3)	1. Dr. H.Kumar, 2. Dr. H.Kumar, 3. Dr. I.P Moa	Medical officer	1. Dr. H.Kumar, M.O i/c ICTC Kiphire Civil Hospital: Kip hire Contact no.9436208308 2. Dr. H.Kumar M.O.i/c ICTC,ARTC Kiphire. 9436208308 3. Dr. I.P Moa, M.O i/c ICTC Pungro PHC: Kiphire Contact no.9612569787
2	Kohima	2	18 (2)	Sentimongla Tzudir	DPO	Sentimongla Tzudir, DPO DAPCU Kohima, Nagaland

### Supply Chain Management of Commodities- Nagaland

Dist. Code	District	No of non cold storage facilities	Approx area (Sqft)	Point person	Designation	Address
3	Wokha	3	10 (3)	1. Mr.Achumthung Patton 2.Mr.Lichumo Odyuo	1. DPM 2. DIS	1. Mr.Achumthung Patton DPM DAPCU, Wokha Ph.No-09612856170 District ICTC supervisor, Wokha 2.Mr.Lichumo Odyuo Ph.No-09856208744

**Table I: Supply chain management of Cold storage commodities in the state**

District	Type of cold storage	Space (Its)	Consumables received	District level		Sub district level	
				From where received	How received	From where received	How received
Dimapur	ILR/TOR (1)	100	HIV kits & RPR kits	SACS	In person	DAPCU	In person from District with cold box carriers
Kiphire	ILR/TOR (1)	165		SACS	In person	DAPCU	In person from District with cold box carriers
Kohima	Not available			Not Applicable	Not Applicable	DAPCU	In person from District with cold box carriers
Mokokchung	Not available			SACS	In person	DAPCU	In person from District with cold box carriers
Mon	Not available			Not Applicable	Not Applicable	DAPCU	In person from District with cold box carriers
Peren	Not available			Not Applicable	Not Applicable	DAPCU	In person from District with cold box carriers
Phek	Not available			Not Applicable	Not Applicable	DAPCU	In person from District with

### Supply Chain Management of Commodities- Nagaland

District	Type of cold storage	Space (lts)	Consumables received	District level		Sub district level	
				From where received	How received	From where received	How received
							cold box carriers
Tuensang	Not available			SACS	In person	DAPCU	In person from District with cold box carriers
Wokha	ILR/TOR (1)	300		SACS	In person	DAPCU	In person from District with cold box carriers
Zunheboto	Not available			Not Applicable	Not Applicable	DAPCU	In person from District with cold box carriers



## Supply Chain Management of Commodities- Nagaland

**Table II: Supply chain management of Non -Cold commodities in the state**

District	No of Non cold storage	Space (sqft)	Consumables received	District level		Sub district level	
				From where received	How received	From where received	How received
Dimapur	Not available			Not Applicable	Not Applicable	SACS	In person
Kiphire	3	18 (3)	Lab related, Registers & IEC material	SACS	In person	DAPCU	In person
Kohima	2	18 (2)	Registers & IEC material	SACS	In person	DAPCU	In person
Mokokchung	Not available			SACS	In person	DAPCU	In person
Mon	Not available			Not Applicable	Not Applicable	SACS	In person
Peren	Not available			Not Applicable	Not Applicable	SACS	In person
Phek	Not available			Not Applicable	Not Applicable	SACS	In person
Tuensang	Not available			SACS	In person	DAPCU	In person
Wokha	3	10 (3)	Condoms, IEC materials Etc.	SACS	In person	DAPCU	In person
Zunheboto	Not available			SACS	In person	DAPCU	In person

# Supply Chain Management of Commodities- Orissa

## Fact sheet 15: Orissa

### Introduction

Orissa is the tenth largest state in India with 30 districts. DAPCUs are established in 7 districts. In order to prevent new infections and contain the spread of transmission, state has established 101 ICTCs, 6 ART centres, 18 TI projects, 22 Blood Banks, 11 STI clinics, and 4 CCCs as on September 2011) and in the state as per DAPCU Monthly reports. Information provided below depicts the supply chain mechanism and the infrastructure to store the commodities at district and sub district level.

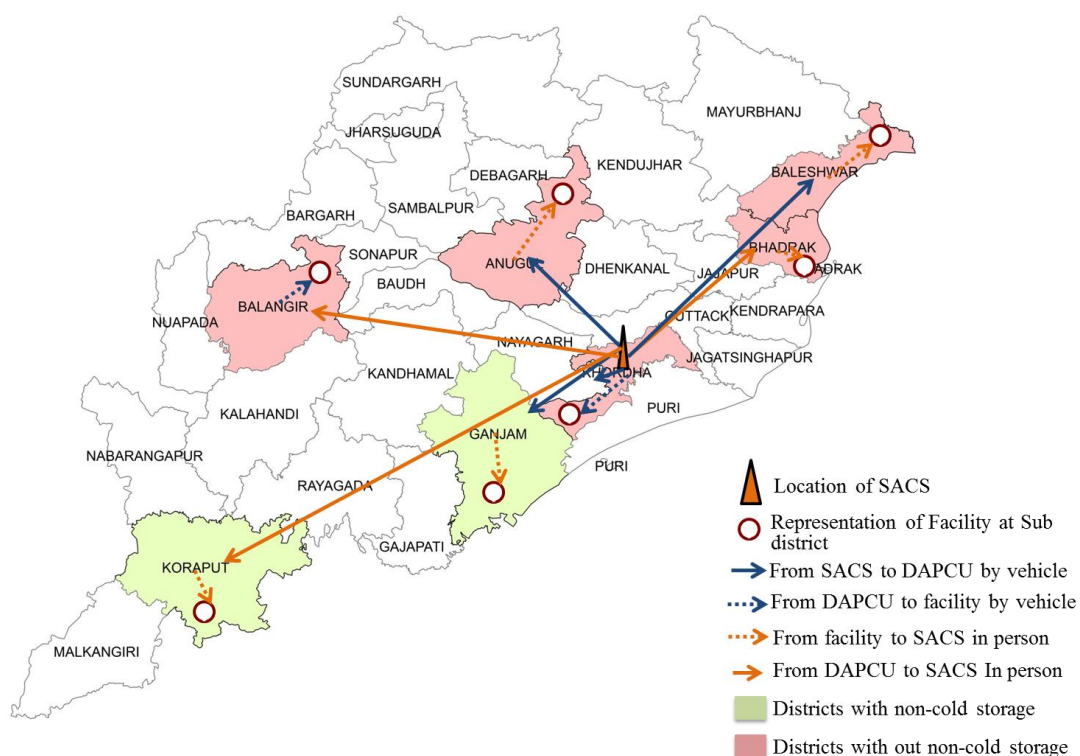
### Supply chain management of commodities requiring cold chain in Orissa

- No walk in cooler in DAPCU districts of Orissa
- 2 ILRs are present at district level in 2 DAPCU districts. These 2 ILRs given by NRHM (not given by NACO or SACS) any time they can take back. In Bhadrak, UNICEF already taken their ILR, now there is no ILR in Bhadrak (it was there when they have reported to DAPCU NACO)

### Functional status of ILR:

- Both ILRs in functional status as on December 2011 but there is no AMC and power back up for these ILRs.

### Supply chain management of commodities requiring cold chain



(\* Districts with colour coding- blank are non DAPCU districts)

## Supply Chain Management of Commodities- Orissa

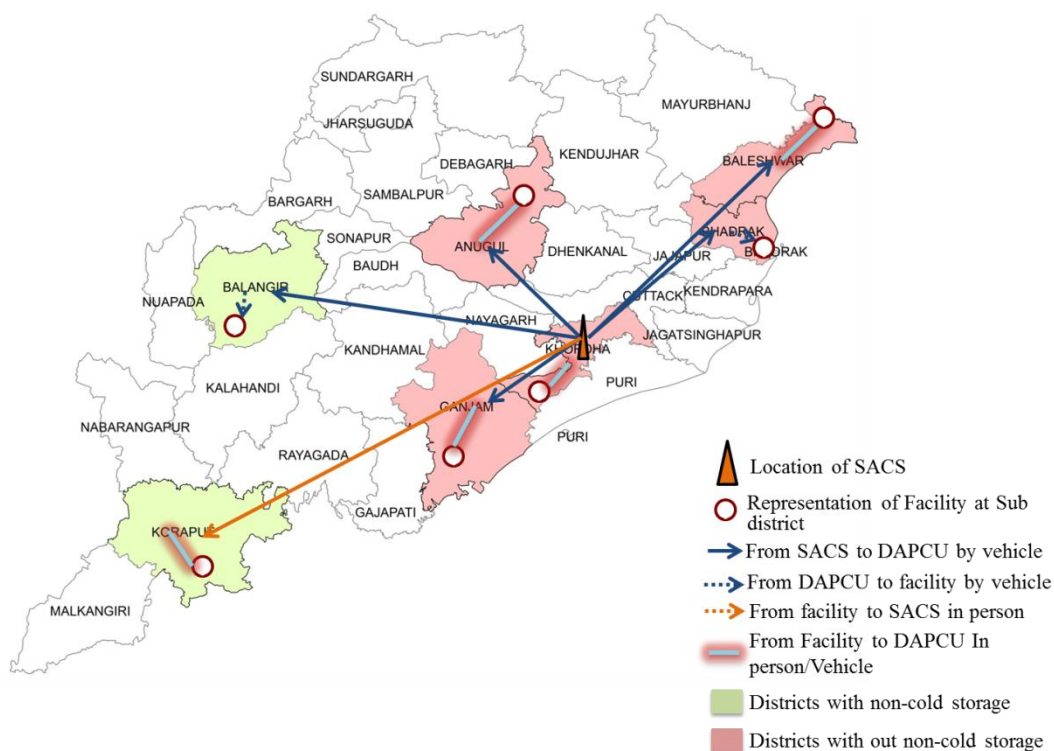
It has been noted from the reports from DAPCU that:

- Cold storage facilities are existing only 2 DAPCU districts (Berhampur and Koraput) and in the rest of the districts there is no cold storage facility.
- All the cold commodities are being supplied by Orissa SACS and brought to the district HQs in a vehicle with cold box with districts having cold storage facility.
- The commodities are bought in cold box maintaining cold chain to the districts where there is no cold storage facility either by Bus/Train as one of the staff of DAPCU or facilities visit SACS in persons and bring s them to the district.
- The cold commodities are being supplied from the district level to the facilities by the DAPCUs either in person or when the facilities staff visit District Health Quarter, with cold box carriers.
- Though there is no structured indent mechanism existing in both categories of the districts. Facilities submit their indent at the time monthly meeting of the facility staffs at the district level to the DAPCU or whenever there is a need.

Supply of commodities requiring cold chain from Higher centre to district			
Districts with cold storage facility N=2		Districts without cold storage facility N=5	
<b>Supply of commodities from the State Level to district</b>	Commodities are being supplied from SACS to district	<b>Supply of commodities from the State Level to district</b>	Commodities are being supplied from SACS to district
<b>Mode of supply of commodities from the State Level to district</b>	Vehicle without cold box- 1  In person- 1	<b>Mode of supply of commodities from the State Level to district</b>	Vehicle with cold box - 2  Vehicle with cold box - 1  Bus/Train without cold box – 2
<b>Indent mechanism</b>	No Structured mechanism	<b>Indent mechanism</b>	No Structured mechanism
Supply of commodities requiring cold chain from District to Peripheral unit			
Districts with cold storage facility N=2		Districts without cold storage facility N=5	
<b>Supply of commodities from the district Level to sub district</b>	DAPCU	<b>Supply of commodities from the district Level to sub district</b>	DAPCU
<b>Mode of supply</b>	In Person from facility	<b>Mode of supply</b>	In Person from facility
<b>Indent mechanism</b>	No Structured mechanism	<b>Indent mechanism</b>	No Structured mechanism

## Supply Chain Management of Commodities- Orissa

### Supply chain management of non-cold commodities



(\* Districts with colour coding- blank are non DAPCU districts)

- For the non-cold commodities also there are only 2 districts viz Bolangir and Koraput with storage facility and other DAPCU districts do not have any storage facility.
- All the commodities to Balangir district are supplied by OSACS by vehicles and to Koraput the DAPCU staffs are coming to SACS by bus or train to collect non cold items. at times of acute shortage (example – condoms) they were brought in person from OSACS by the DAPCU staff or facility staff by bus or train.
- There is no structured indent mechanism in place.
- The non-cold commodities are being supplied to the facilities by the DAPCU staff by vehicle and also the facility staffs carry in person from the district head -quarters.
- There is no structured mechanism for indenting the commodities in both the categories of the district.

Supply of Non cold commodities from Higher centre to district			
Districts with non-cold storage facility N = 2		Districts without non - cold storage facility N=5	
<b>Supply of commodities from the State Level to district</b>	SACS	<b>Supply of commodities from the State Level to district</b>	SACS
<b>Mode of supply of commodities from the State Level to</b>	By vehicle – 1 In person from DAPCU - 1	<b>Mode of supply of commodities from the State Level to</b>	By vehicle – 5

## Supply Chain Management of Commodities- Orissa

Supply of Non cold commodities from Higher centre to district			
Districts with non-cold storage facility N = 2		Districts without non - cold storage facility N=5	
district		district	
Indent mechanism	No Structured mechanism	Indent mechanism	No Structured mechanism
Supply of Non cold commodities from district to peripheral units			
Districts with non-cold storage facility N = 0		Districts without non - cold storage facility N=2	
Supply of commodities from the district Level to sub district	DAPCU	Supply of commodities from the district Level to sub district	DAPCU
Mode of supply	By vehicle	Mode of supply	By vehicle
Indent mechanism	No Structured mechanism	Indent mechanism	No Structured mechanism

## Supply Chain Management of Commodities- Orissa

**Table A: Details regarding the location of cold storage places, contact details of the point person**

Dist. Code	District	Type of Cold Storage	Capacity (Its)	Point person	Designation	Address	AMC (Yes/No)	Functional status (Yes/No)	Power backup (Yes/No)
1	Berhampur	ILR/TOR (1)	165	DAPCU Staff	DAPCU Staff	DAPCU ganjam(same as DAPCU adress and cotact nuber)	No	Yes	No
2	Bhadrak	ILR/TOR (1)	175	Dibakar Biswal	Cold Chain Technician	Dibakar Biswal, Cold chain Technician, ADMO(FW) section, DHH, Bhadrak9439994473	This ILR/TOR was given by Family welfare department, now they have taken back, there is no cold storage facility now		
3	Koraput	ILR/TOR (1)	350	P.K Khora (MPHS)		P.K Khora (MPHS) , O/O CDMO, Jail Road Koraput , Odisha (M)09437944815 (O) 06852-250942	No	Yes	No

**Table B: Details regarding the location of Non cold storage facility, contact details of the point person**

Sl. No	District	No of Non cold storage facilities	Approx area (Sq ft)	Point person	Designation	Address
1	Bolangir	1		Rabindra Kr. Jena	Store Pharmacist	Rabindra Kr. Jena (Store Pharmacist), Central Store DHH, Balangir , Mob: 94381-20833, Off- 06652-234-920
2	Koraput	1	225	Bidhan Chandra Nayak	DPM	Bidhan Chandra Nayak DPM,DAPCU O/O CDMO, Jail Road Koraput, Odisha (m)09438735074, (O)-06852-250018

## Supply Chain Management of Commodities- Orissa

**Table I: Supply chain management of Cold storage commodities in the state**

District	Type of cold storage	Space	Consumables received	District Level		Sub district Level	
				From where received	How received	From where received	How received
Angul	Not available			SACS	Vehicle with cold box	DAPCU	In person from facilities without cold box carriers
Balasore	Not available			SACS	Vehicle with cold box	DAPCU	In person from facilities with cold box carriers
Berhampur	ILR/TOR	165	HIV kits & RPR kits	SACS	Vehicle without cold box	DAPCU	In person from facilities with cold box carriers
Bhadrak	Not available			SACS	AC bus without cold box (In person)	DAPCU	In person from facilities with cold box carriers
Bolangir	Not available			SACS	Bus/Train without cold box (In person)	DAPCU	Vehicle from District without cold box
Khurda	Not available			SACS	Vehicle without cold box	DAPCU&SACS	Vehicle from District without cold box
Koraput	ILR/TOR	350	HIV kits & RPR kits	SACS	In person from DAPCU	DAPCU	In person from facilities without cold box carriers

**Table II: Supply chain management of Non -Cold commodities in the state**

District	No of Non cold storage facilities	Space (sqft)	Consumables	District Level		Sub District Level	
				From where received	How received	From where received	How received
Angul	Not available			SACS	Through vehicle	DAPCU	In person/Vehicle
Balasore	Not available			SACS	Through vehicle	DAPCU	In person/Vehicle

### Supply Chain Management of Commodities- Orissa

District	No of Non cold storage facilities	Space (sqft)	Consumables	District Level		Sub District Level	
				From where received	How received	From where received	How received
Berhampur	Not available			SACS	Through vehicle	DAPCU	In person/Vehicle
Bhadrak	Not available		Consumables ICTC related, IEC materials in general are kept in LAC and DPM chamber.	SACS	Through vehicle	DAPCU	Through vehicle
Bolangir	1	100	Gloves, syringes & ART Medicines	SACS	Through vehicle	DAPCU	Through vehicle
Khurda	Not available			SACS	Through vehicle	DAPCU	In person/Vehicle
Koraput	1	225	Condom, IEC materials, Formats , Consumables, STI medicine kit , Register	SACS	In person	DAPCU	In person/Vehicle



# Supply Chain Management of Commodities- Punjab

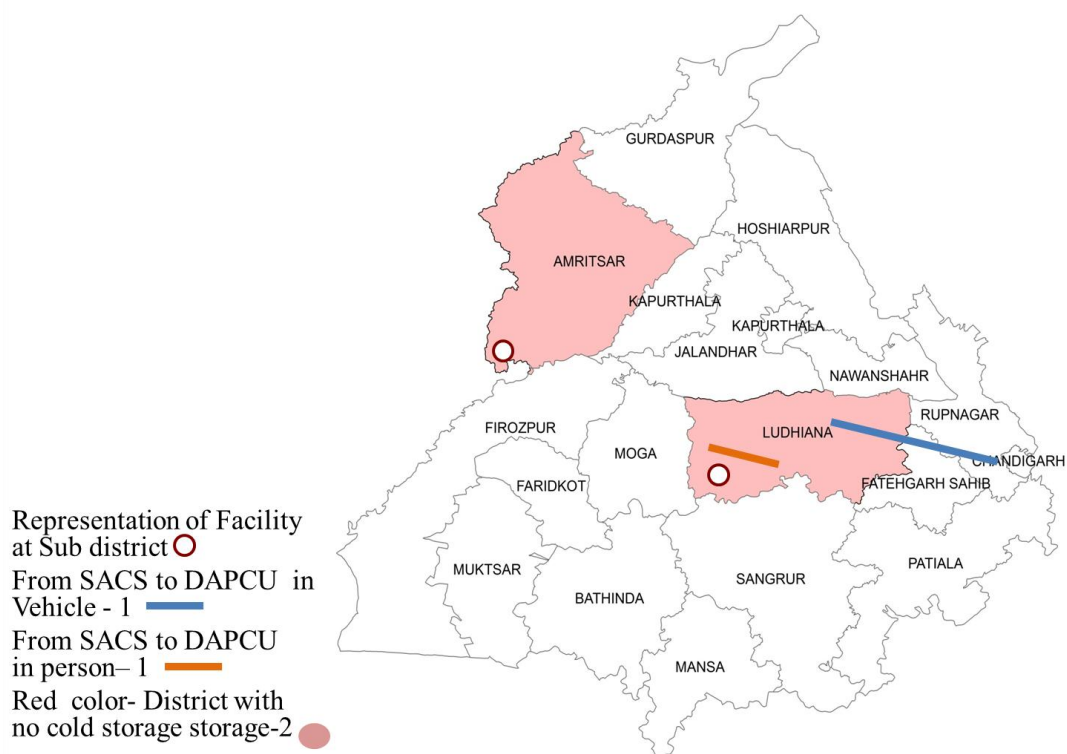
## Fact sheet 16: Punjab

### Introduction

Punjab has a population of 27704236 lacs, with 22 districts, of which DAPCUs are established 2 High HIV prevalent districts (Amritsar and Ludhiana). In order to prevent new infections state has established 35 ICTCs, 2 ART centres, 1 Link ART centre, 1 CCC, 25 Blood Banks, 2 Blood storage units, 12 TI projects, 2 OST centres in the state(Source October DAPCU Monthly Reports)

### Supply chain management of cold commodities in Punjab

- There is no space available at DAPCU office, all the facility staff are informed to come to DAPCU office to collect the kits on the day whenever vehicle comes from SACS to DAPCU

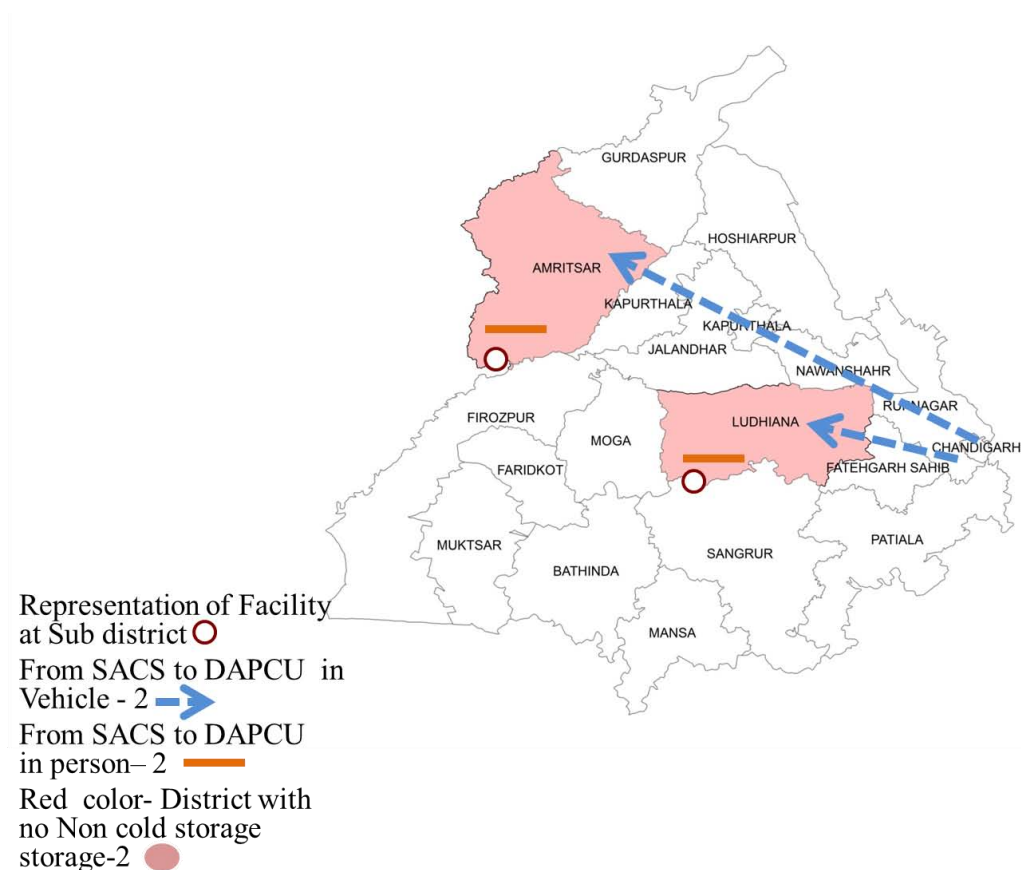


Supply of cold commodities from Higher centre to district			
Districts with cold storage facility N=0		Districts without cold storage facility N=2	
Supply of commodities from the State Level to district	Not Applicable	Supply of commodities from the State Level to district	Commodities are being supplied from SACS-Ludhiana
Mode of supply of commodities from the State Level to district	Not Applicable	Mode of supply of commodities from the State Level to district	Commodities are being transported from SACS through Vehicle with cold box

## Supply Chain Management of Commodities- Punjab

Supply of cold commodities from Higher centre to district			
Districts with cold storage facility N=0		Districts without cold storage facility N=2	
Indent mechanism	Not Applicable	Indent mechanism	No Structured mechanism
Supply of cold commodities from district to peripheral units			
Districts with cold storage facility N=0		Districts without cold storage facility N=2	
Supply of commodities from district to facilities	Not Applicable	Supply of commodities from district to facilities	Commodities are supplied from DAPCU, Not Applicable- Amritsar
Mode of supply of commodities from district to facilities	Not Applicable	Mode of supply of commodities from district to facilities	Commodities are being taken from DAPCU in person to facilities
Indent mechanism	Not Applicable	Indent mechanism	No Structured mechanism

### Supply chain management of Non-cold commodities in Punjab



## Supply Chain Management of Commodities- Punjab

Supply of Non cold commodities from Higher centre to district			
Districts with Non cold storage facility		Districts without Non cold storage facility N=2	
<b>Supply of commodities from the State Level to district</b>	Not Applicable	<b>Supply of commodities from the State Level to district</b>	Commodities are being supplied from SACS
<b>Mode of supply of commodities from the State Level to district</b>	Not Applicable	<b>Mode of supply of commodities from the State Level to district</b>	Commodities are transported through Vehicle -2
<b>Indent mechanism</b>	Not Applicable	<b>Indent mechanism</b>	No Structured mechanism
Supply of Non cold commodities from Higher centre to district			
Districts with Non cold storage facility		Districts without Non cold storage facility N=2	
<b>Supply of commodities from district to facilities</b>	Not Applicable	<b>Supply of commodities from district to facilities</b>	Commodities are supplied from DAPCU
<b>Mode of supply of commodities from district to facilities</b>	Not Applicable	<b>Mode of supply of commodities from district to facilities</b>	Personnel from facilities receive the commodities directly from DAPCU-2
<b>Indent mechanism</b>	Not Applicable	<b>Indent mechanism</b>	No Structured mechanism

## Supply Chain Management of Commodities- Punjab

**Table I: Supply chain management of Cold commodities**

District	Type of cold storage	District level		Sub district level	
		From where received	How received	From where received	How received
Amritsar	Not available	SACS	Vehicle with cold box	DAPCU	In person from facilities with cold box carriers
Ludhiana	Not available	SACS	Vehicle with cold box	DAPCU	In person from facilities with cold box carriers

**Table II: Supply chain management of Non Cold commodities**

District	State	No of Non cold storage facilities	District level		Sub district level	
			From where received	How received	From where received	How received
Amritsar	Punjab	No	SACS	Through vehicle	DAPCU	In person/Vehicle
Ludhiana	Punjab	No	SACS	Through vehicle	DAPCU	In person

# Supply Chain Management of Commodities- Rajasthan

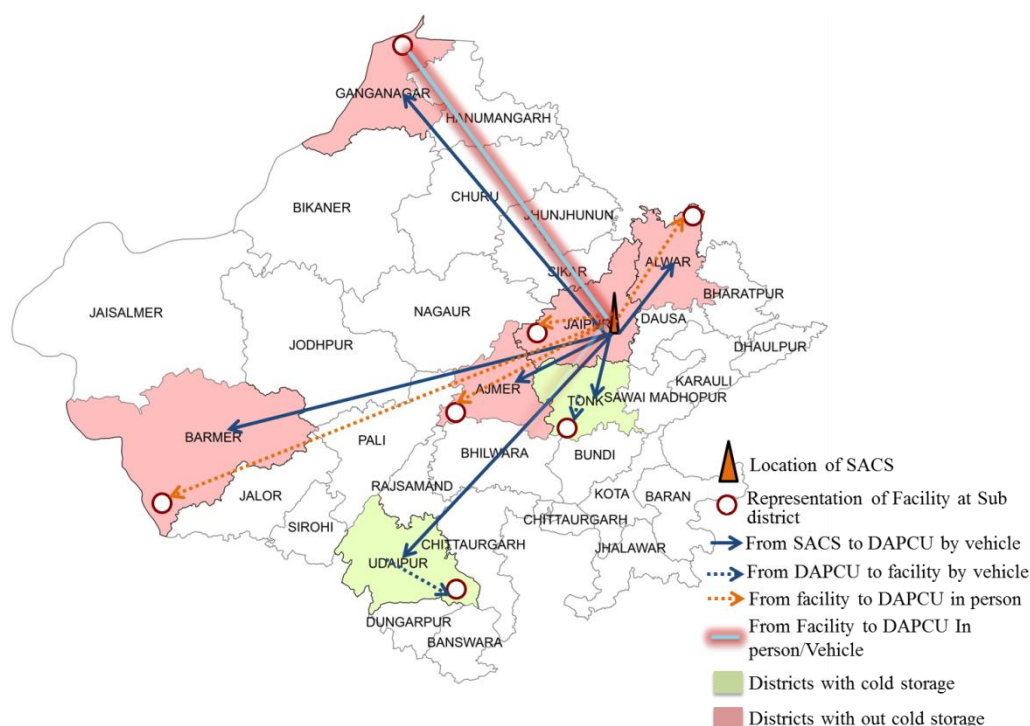
## Fact sheet 17: Rajasthan

### Introduction

Rajasthan is the largest state in India (by area) with 33 districts and the state 8th populous state in country. DAPCUs are established in 7 high HIV prevalent districts in Rajasthan. Factors fuelling the epidemic in the state are huge numbers of in and out migration, 19% of all mines in India, with 0.5 million miners, 25,000 trucks passes every day on NH 8 and a tourist state. In order to prevent new infections and contain the spread of transmission, state has established 252 ICTCs, 6 ART centres, 59 TI projects, 82 Blood Banks, 10 SRLs, 47 STI clinics & 8 CCCs in the state (Rajasthan SACS ).

### Supply chain management of commodities requiring cold chain in Rajasthan

- There is no walk in cooler at the district level in any of the districts. Tonk and Udaipur DAPCUs are being availed the ILR/TORs in their respective districts.
- The size of ILR/TORs are 300lts each
- The 2 ILR/TORs are functional but only one ILR/TOR(Udaipur) having power backup and Annual Maintenance Contract



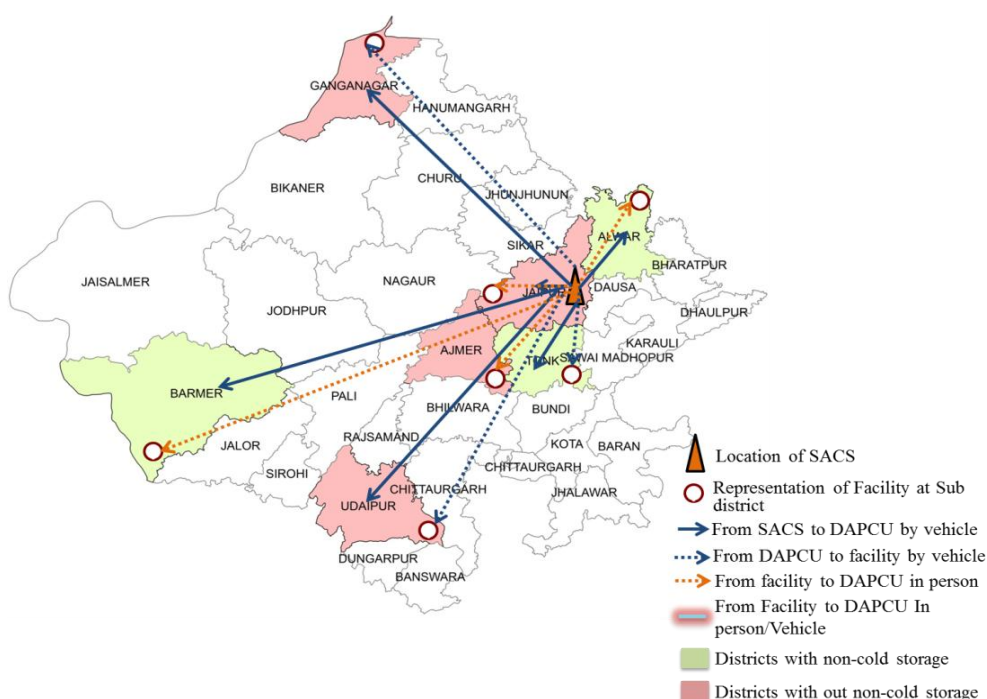
Supply of cold commodities from Higher centre to district			
Districts with cold storage facility N=2		Districts without cold storage facility N=5	
<b>Supply of commodities from the State Level to district</b>	Commodities are being supplied from SACS	<b>Supply of commodities from the State Level to district</b>	Commodities are being supplied from SACS.
<b>Mode of supply of</b>	Commodities are being	<b>Mode of supply</b>	Commodities are being

## Supply Chain Management of Commodities- Rajasthan

<b>commodities from the State Level to district</b>	transported by Vehicle with cold box -2	<b>of commodities from the State Level to district</b>	transported by Vehicle with cold box -5
<b>Indent mechanism</b>	No Structured mechanism	<b>Indent mechanism</b>	No Structured mechanism
<b>Supply of cold commodities from district to peripheral centres</b>			
<b>Districts with cold storage facility N=2</b>		<b>Districts without cold storage facility N=5</b>	
<b>Supply of commodities from district to peripheral units</b>	Commodities to facilities are supplied by DAPCU	<b>Supply of commodities from district to peripheral units</b>	Commodities to facilities are supplied by DAPCU
<b>Mode of supply of commodities from the district to facilities</b>	Commodities to facilities are transported through Vehicle with cold box -2	<b>Mode of supply of commodities from the district to facilities</b>	Commodities to facilities are transported through both vehicle/In person -1  in person to 4districts
<b>Indent mechanism</b>	No Structured mechanism	<b>Indent</b>	No Structured mechanism

### Supply chain management of Non-cold commodities in Rajasthan

- Alwar, Barmer and Tonk district are having non-cold storage facility
- The area of non-cold storage facility ranging from 150-4000



## Supply Chain Management of Commodities- Rajasthan

Supply of Non cold commodities from Higher centre to district			
Districts with Non cold storage facility N=3		Districts without Non cold storage facility N=4	
<b>Supply of commodities from the State Level to district</b>	Commodities are being supplied from SACS	<b>Supply of commodities from the State Level to district</b>	Commodities are being supplied from SACS
<b>Mode of supply of commodities from the State Level to district</b>	Commodities to facilities are transported through Vehicle -3	<b>Mode of supply of commodities from the State Level to district</b>	Commodities to facilities are transported through vehicle- 4
<b>Indent mechanism</b>	No Structured mechanism	<b>Indent mechanism</b>	No Structured mechanism
Districts with Non cold storage facility at Sub district level N=3		Districts without Non cold storage facility at sub district level N=4	
<b>Supply of commodities from the district to facilities</b>	Commodities to facilities are supplied by DAPCU	<b>Supply of commodities from the district to facilities</b>	Commodities to facilities are supplied by DAPCU
<b>Mode of supply of commodities from the district to facilities</b>	Commodities to facilities are transported through Vehicle and In Person- 1	<b>Mode of supply of commodities from the district to facilities</b>	Commodities to facilities are transported through Vehicle 2 and In Person- 3districts
<b>Indent mechanism</b>	No Structured mechanism	<b>Indent mechanism</b>	No Structured mechanism

## Supply Chain Management of Commodities- Rajasthan

**Table A: Details regarding the location of cold storage places, contact details of the point person**

Sl.No	District	Type of Cold storage	Capacity	Point person	Designation	Address	AMC (Yes/No)	Functional status (Yes/No)	Power backup (Yes/No)
1	Tonk	ILR/TOR (1)	300	Dr. Gopal Saini	RCHO	Dr. Gopal Saini -RCHO, Contact No. 9251021585, Add. - CM&HO Office Subhas bajar Tonk-304001	No	Yes	No
2	Udaipur	ILR/TOR (1)	300	Dr Ramesh Sharma	RCHO	Dr. Ramesh Sharma -RCHO  Contact No. 9829291590,  Add. - Family Planning & Welfare Dept., Surajpole, Udaipur(Raj.)- 313001	Yes	Yes	Yes

**Table B: Details regarding the location of Non cold storage facility, contact details of the point person**

Sl.No	District	No of Non cold storage facilities	Approx area (Sqft)	Point person	Designation	Address
1	Barmer	1	150	DR. B.S GHAILOT	DY.CM&HO	CM&HO OFFICE DR. B.S GHAILOT DY.CM&HO BARMER



### Supply Chain Management of Commodities- Rajasthan

Sl.No	District	No of Non cold storage facilities	Approx area (Sqft)	Point person	Designation	Address
2	Tonk	1	200	Dr. R.P Meena & Dr. Gopal Saini	CM&HO & RCHO	Dr. R.P Meena -CM&HO Dr. Gopal Saini -RCHO Contect No. 9251021589 Contect No. 9251021585 Add. - CM&HO Office Subhas bajar Tonk-304001
3	Alwar	1	4000			

**Table I: Supply chain management of Cold storage commodities in the state**

District	Type of cold storage	Space (lts)	District		Sub district	
			From where received	How received	From where received	How received
Ajmer	Not available		SACS	Vehicle with cold box	SACS	In person from facilities with cold box carriers
Alwar	Not available		SACS	Vehicle with cold box	SACS	In person from facilities with cold box carriers
Barmer	Not available		SACS	Vehicle with cold box	SACS	In person from facilities with cold box carriers

### Supply Chain Management of Commodities- Rajasthan

District	Type of cold storage	Space (lts)	District		Sub district	
			From where received	How received	From where received	How received
Jaipur	Not available		SACS	Vehicle with cold box	SACS	In person from facilities with cold box carriers
Shri Ganga Nagar	Not available		SACS	Vehicle with cold box	SACS	In person /Vehicle
Tonk	ILR/TOR (1)	300	SACS	Vehicle with cold box	DAPCU	Vehicle from District
Udaipur	ILR/TOR(1)	300	SACS	Vehicle with cold box	DAPCU	Vehicle from District

**Table II: Supply chain management of Non -Cold commodities in the state**

District	State	No of Non cold storage facilities	Space (sqft)	Consumables received	District level		Sub district level	
					From where received	How received	From where received	How received
Ajmer	Rajasthan	Not available			Not Applicable	Not Applicable	SACS	In person
Alwar	Rajasthan	Yes	4000		SACS	Through vehicle	SACS	In person
Barmer	Rajasthan	Yes	150	Lab related & IEC materials	SACS	Through vehicle	SACS	In person
Jaipur	Rajasthan	Not available			SACS	Through vehicle	SACS	In person
Shri Ganga Nagar	Rajasthan	Not available			SACS	Through vehicle	SACS	Through vehicle
Tonk	Rajasthan	Yes	200	IEC materials & condoms	SACS	Through vehicle	SACS	Through vehicle
Udaipur	Rajasthan	Not available			SACS	Through vehicle	SACS	Through vehicle

# Supply Chain Management of Commodities- Tamil Nadu

## Fact sheet 18: Tamilnadu

### Introduction

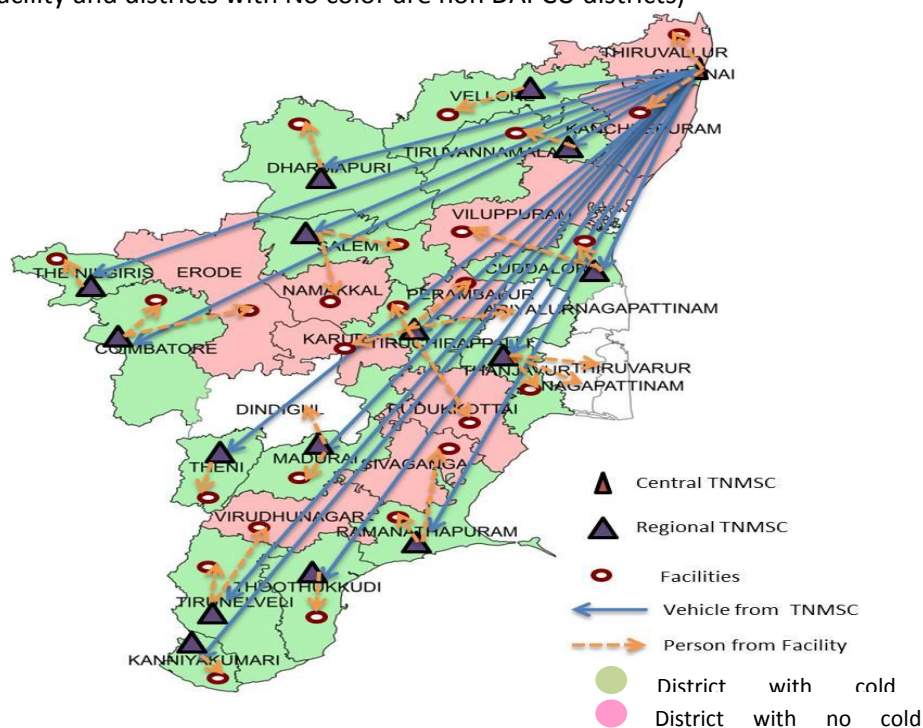
Tamilnadu is the seventh largest state in India with 32 districts. Out of 32 districts DAPCUs were established in 27 districts (22 districts are under A category and 5 districts are under B category). In order to prevent new infections and contain the spread of transmission , state has established 753 ICTCs, 37 ART centres, 77 TI projects, 82 Blood Banks, 12 SRLs, 141 STI clinics , 35 CCCs and 70 LACs in the state (as per Oct11 DAPCU monthly reports). Information provided below depicts the supply chain mechanism and the infrastructure to store the commodities at district and sub district level only in DAPCU Districts.

### Supply chain management of commodities requiring cold chain in Tamil Nadu

In Tamil Nadu, facility to store cold storage commodities is available at 16 Regional TNMSC (Tamil Nadu Medical Services Corporation) Warehouses present in various DAPCU districts. Neighbouring DAPCU districts share the designated regional warehouses to receive the cold commodities.

- Each regional TNMSC warehouses has a Walk in Cooler (WIC). Size of 1 walk in cooler is Length =5.5\* Height = 5.5\* Breadth= 4m.
- There is no ILR at the district level in any of the districts since the supply is directly from regional TNMSC warehouse to sub district level facilities.
- Commodities that are being stored in the cold storage facilities are RPR test kits, Hepatitis – B test kits for blood banks and HIV test kits

**Supply chain management of commodities requiring cold chain** (\*Green colour coding indicates DAPCU Districts with cold storage facility, Pink colour coding indicates DACPU districts without cold storage facility and districts with No color are non DAPCU districts)



## Supply Chain Management of Commodities- Tamil Nadu

Supply of commodities requiring cold chain from Higher centre to district			
Districts with cold storage facility N=16		Districts without cold storage facility N=11	
<b>Supply of commodities from the State Level to district</b>	Commodities are being supplied from SACS (Central TNMSC in Chennai) to regional TNMSC warehouses in district	<b>Supply of commodities from the State Level to district</b>	Not Applicable as Commodities are distributed via regional TNMSC warehouse in neighbouring district
<b>Mode of supply of commodities from the State Level to district</b>	From the state the commodities are supplied to the Regional level TNMSC through vehicle with cold box (16).	<b>Mode of supply of commodities from the State Level to district</b>	Not applicable as commodities are directly received by the functionaries of the facilities from TNMSC of neighbouring district in person.
<b>Indent mechanism</b>	The indent is being placed on a monthly basis and whenever required through DAPCU to SACS	<b>Indent mechanism</b>	The indent is being placed on monthly basis and whenever required through DAPCU to SACS
Supply of commodities requiring cold chain from District to Peripheral unit			
Districts with cold storage facility		Districts without cold storage facility	
<b>Supply of commodities from the district Level to sub district</b>	Commodities are being supplied from regional TNMSC warehouse directly to the facilities. There is no storage at DAPCU level	<b>Source</b>	Commodities are being supplied from neighbouring district regional TNMSC warehouse directly to the facilities. There is no storage at DAPCU level.
<b>Mode of supply</b>	In person-16  Functionaries from the facilities directly receive the commodities in person from TNMSC warehouse in coordination with the DAPCU.	<b>Mode of supply</b>	In person-11. Functionaries from the facilities directly receive the commodities in person from TNMSC warehouse of neighbouring district in coordination with the DAPCU.
<b>Indent mechanism</b>	Indent from the facilities is sent to the DAPCU who compiles and then request TNMSC warehouse for release.	<b>Indent</b>	Indent from the facilities is sent to the DAPCU who compiles and request TNMSC warehouse of neighbouring district for release.

## Supply Chain Management of Commodities- Tamil Nadu

All the WICs present in the Warehouses were purchased through NACP funds. All of these WIC are functional with power backup facility but Annual Maintenance Contract is not in place.

### Supply chain management of Non-cold commodities in Tamil Nadu

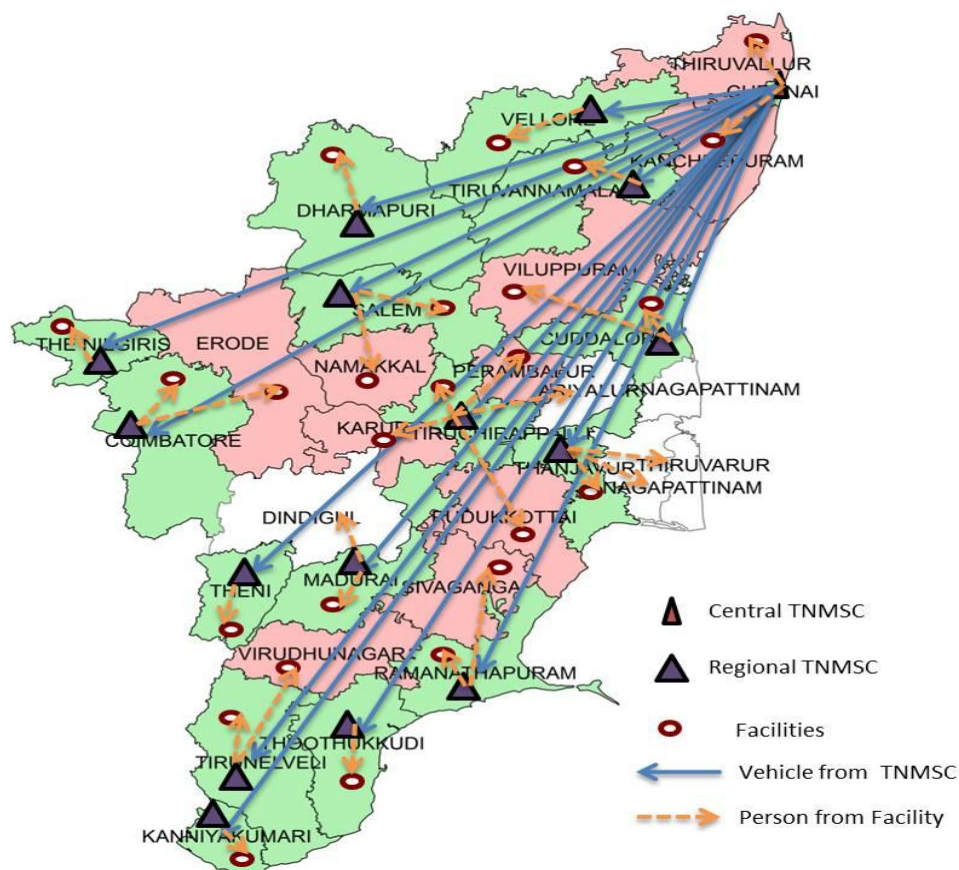
In Tamil Nadu, facility to store Non cold storage commodities is available at 16 Regional TNMSC Warehouses. Neighbouring districts with no storage facility are linked to these regional warehouses to receive the non-cold commodities.

Tamilnadu SACS has given contract to TNMSC for the storage of NACP related commodities that includes both cold and non-cold. No separate space is allocated by TNMSC for the storage of NACP commodities

They receive Lab consumables, registers, IEC materials and Condoms from central TNMSC warehouse at Chennai through Vehicle.

Supply of non-cold commodities to all the peripheral units is through DAPCU. The commodities from the district are being taken in person by the lab technician or the counsellor. The travel (by bus/train) expenses of counsellors/LT/Other personnel incurred for collecting the commodities is given by TNSACS.

**Supply chain management of commodities requiring Non-cold chain** (\*Green colour coding indicated DAPCU Districts with cold storage facility, Pink colour coding indicates DACPU districts without cold storage facility and districts with No color coding- are non DAPCU districts)



## Supply Chain Management of Commodities- Tamil Nadu

Supply of Non cold commodities from Higher centre to district			
Districts with non-cold storage facility N=16		Districts without non-cold storage facility N=11	
<b>Supply of commodities from the State Level to district</b>	Commodities are being supplied from SACS (Central TNMSC in Chennai) to regional TNMSC warehouses in district	<b>Supply of commodities from the State Level to district</b>	Not Applicable as Commodities are distributed via regional TNMSC warehouse in neighbouring district
<b>Mode of supply of commodities from the State Level to district</b>	Vehicle 16 –From the state the commodities are supplied to the regional TNMSC warehouse through vehicle. There is further supplied to the DAPCU. Directly the functionaries from the facilities receive the commodities in person.	<b>Mode of supply of commodities from the State Level to district</b>	In person-11 Functionaries from the facilities directly receive the commodities in person.
<b>Indent mechanism</b>	The indent is being placed whenever the stock is required	<b>Indent mechanism</b>	The indent is being placed whenever the stock is required
Supply of Non cold commodities from district to peripheral units			
Districts with non-cold storage facility N=16		Districts without non-cold storage facility N=11	
<b>Supply of commodities from the district Level to sub district</b>	Commodities are being supplied from regional TNMSC warehouse directly to the facilities. There is no storage at DAPCU level	<b>Source</b>	Commodities are being supplied from regional TNMSC warehouse of neighbouring district directly to the facilities. There is no storage at DAPCU level.
<b>Mode of supply</b>	In person-16  Directly the functionaries from the facilities receive the commodities in person from TNMSC in	<b>Mode of supply</b>	In person-11. Directly the functionaries from the facilities receive the commodities in person from TNMSC in coordination with the

## Supply Chain Management of Commodities- Tamil Nadu

Supply of Non cold commodities from Higher centre to district			
Districts with non-cold storage facility N=16		Districts without non-cold storage facility N=11	
	coordination with the DAPCU.		DAPCU.
<b>Indent mechanism</b>	Indent from the facilities is sent to the DAPCU who compiles and requests to regional TNMSC warehouse.	<b>Indent mechanism</b>	Indent from the facilities is sent to the DAPCU who compiles and requests regional TNMSC warehouse of neighbouring district.

## Supply Chain Management of Commodities- Tamil Nadu

**Table A:**

Details regarding the location of Warehouse (TNMSC), contact details of the point person are provided in the following annexure.

S.No	District	Warehouse Located (Location of Cold & Non – cold storage facilities)	Point person	Designation	Address
1	Chennai	Chennai	M.Saktivelmurugan		TNMSC, Anna Nagar Drug Warehouse, Chennai - 600 102
2	Kancheepuram				
3	Thiruvallur				
4	Coimbatore	Coimbatore			TNMSC, Peelamedu, Near Coimbatore medical college, 6404,Ph: 04222571954
5	Erode				
6	Tiruppur				
7	Cuddalore	Cuddalore	Mr.A.Sivanpatham		TNMSC drug -Ware house, Devanampattinam, Beach Road, Cuddalore , Pin : 607 001.  Cell : 9940188244
8	Villupuram				
9	Dharmapuri	Dharmapuri	Mr. T. Ramesh	Pharmacist	Tamilnadu Medical Services Corporation Ltd., District Drug Warehouse, Govt., Head Quarters Hospital Campus, Vennampatti Road, Dharmapuri-1.  CELL No. 9940188248. Ph: 04342 - 230334.
10	Krishnagiri				
11	Kanniyakumari	Kanniyakumari	Mr. Justin Arullappa		TNMSC, Asaripallam, Nagercoil.
12	Madurai	Madurai	Mr. Kannappan		TNMSC, Collectorate, Madurai. 9443966045. tnmsc.mdu@hotmail.com
13	Dindugul				
14	Nilgris	Nilgiris	Mr.Ganeshan	Pharmacist	TNMSC



### Supply Chain Management of Commodities- Tamil Nadu

S.No	District	Warehouse Located (Location of Cold & Non – cold storage facilities)	Point person	Designation	Address
					Goodshed Road udhagamandalam The Nilgiris Cell no 9940188253
15	Ramanathapuram	Ramanathapuram	R.Jeyasankar		Tamil Nadu Medical Services Corporation Ltd. Sikilrajaveethi, nikarai, Ramanathapuram (Dist) 623 504, Mail ID: tnmsc.rmd@hotmail.com Contact number: 90958 87886
16	Sivagangai				
17	Salem	Salem	Mr. Kabilan		TNMSC, District Drug House, M. Kollapatty, Salem - 30
18	Namakkal				
19	Thanjavur	Thanjavur	S. M. Subramaniyan		TNMSC, Thanjavur. Ph:04362-240101, 9940188263
20	Nagaipattinum				
21	Thiruvarur				
22	Theni	Theni	Ms.Seetha Lakshmi & Mr.Muthukumar		TNMSC Warehouse, Government Theni Medical College & Hospital, K.Villakku, Aundipatti Va, Theni District. PH: 09940629520 tnmscl.tni@hotmail.com
23	Thiruvanamalai	Thiruvanamalai			TNMSC - Tiruvannamalai
24	Thoothukudi	Thoothukudi	Ms.Revathi		TNMSC Thoothukudi. 0461-2328948
25	Tirunelveli	Tirunelveli	Mr.Velusamy		Tamil Nadu Medical Service Corporation Limited, Tirunelveli-627 011. PH:0462-2578714 Cell: 99401 88261
26	Virudhunagar				
27	Trichy	Trichy	Mr. Jayakumar		Tamil Nadu Medical Service Corporation Ltd, Periyamilaguparai, Collector Office Road, Trichy -
28	Karur				

## Supply Chain Management of Commodities- Tamil Nadu

S.No	District	Warehouse Located (Location of Cold & Non – cold storage facilities)	Point person	Designation	Address
29	Perambalur				620 001. Ph:9865390240
30	Ariyalur				
31	Pudukottai				
32	Vellore	Vellore	G.Parthasarathi		TamilNadu Medical Services Corporation District Drug Warehouse, Adukkamparai, Vellore - 11.  Cell no. 9940188265,

**Table I:**

Details regarding the Supply chain management of commodities (both cold & Non-cold) are provided in the following annexure.

District	Type of Cold storage	Consumables received	District level		Sub district level	
			From where received	How received	From where received	How received
Chennai	Walk in cooler / Non-cold	<b>Cold:</b> HIV kits & RPR kits  <b>Non Cold:</b> Lab related, Registers, Condoms & IEC materials	Central TNMSC	Vehicle with cold box	Regional TNMSC	In person from facilities with cold box carriers
Coimbatore	Walk in cooler / Non-cold		Central TNMSC	Vehicle with cold box	Regional TNMSC	In person from facilities with cold box carriers
Cuddalore	Walk in cooler / Non-cold	<b>Cold:</b> HIVkits, RPR kits & Neverapine	Central TNMSC	Vehicle with cold box	Regional TNMSC	In person from facilities with cold box carriers

**Supply Chain Management of Commodities- Tamil Nadu**

District	Type of Cold storage	Consumables received	District level		Sub district level	
			From where received	How received	From where received	How received
Dharmapuri	Walk in cooler / Non-cold	<b>Cold:</b> HIV kits & RPR kits <b>Non Cold:</b> Lab related	Central TNMSC	Vehicle with cold box	Regional TNMSC	In person from facilities with cold box carriers
Erode	Not available		Central TNMSC	Vehicle with cold box	Regional TNMSC	In person from facilities with cold box carriers
Kancheepuram	Not available		Central TNMSC	Vehicle with cold box	Regional TNMSC	In person from facilities with coldbox carriers
Kanniyakumari	Walk in cooler / Non-cold	Other	Central TNMSC	Vehicle with cold box	Regional TNMSC	In person from facilities with coldbox carriers
Karur	Not available		Central TNMSC	Vehicle with cold box	Regional TNMSC	In person from facilities with cold box carriers
Krishnagiri	Not available		Central TNMSC	Vehicle with cold box	Regional TNMSC	In person from facilities with coldbox carriers
Madurai	Walk in cooler / Non-cold	<b>Cold:</b> HIV kits <b>Non cold:</b> Lab related	Central TNMSC	Vehicle with cold box	Regional TNMSC	In person from facilities with cold box carriers
Namakkal	Not available		Central TNMSC	Vehicle with cold box	Regional TNMSC	In person from facilities with coldbox carriers
Perambalur	Not available		Central TNMSC	Vehicle with cold box	Regional TNMSC	In person from facilities with coldbox carriers
Pudukottai	Not available		Central TNMSC	Vehicle*	Regional TNMSC	In person from facilities with cold box carriers
Ramanathapuram	Walk in cooler / Non-cold	<b>Cold:</b> HIV kits & RPR kits <b>Non-cold:</b> Lab related	Central TNMSC	Vehicle*	Regional TNMSC	In person from facilities with cold box carriers

### Supply Chain Management of Commodities- Tamil Nadu

District	Type of Cold storage	Consumables received	District level		Sub district level	
			From where received	How received	From where received	How received
Salem	Walk in cooler / Non-cold	<b>Cold:</b> HIV kits & RPR kits  <b>Non Cold:</b> Lab related, Registers, Condoms & IEC materials	Central TNMSC	Vehicle*	Regional TNMSC	In person from facilities with cold box carriers
Sivagangai	Not available		Central TNMSC	Vehicle*	Regional TNMSC	In person from facilities with coldbox carriers
Thanjavur	Walk in cooler / Non-cold	<b>Cold:</b> HIVkits, RPR kits & other  <b>Non-cold:</b> Lab related	Central TNMSC	Vehicle*	Regional TNMSC	In person from facilities with coldbox carriers
The Nilgiris	Walk in cooler / Non-cold	<b>Cold:</b> HIV kits & RPR kits	Central TNMSC	Vehicle*	Regional TNMSC	In person from facilities with cold box carriers
Theni	Walk in cooler / Non-cold	<b>Cold:</b> HIV kits	Central TNMSC	Vehicle*	Regional TNMSC	In person from facilities with cold box carriers
Thiruchy	Walk in cooler / Non-cold	<b>Cold:</b> HIVkits, RPR kits & other	Central TNMSC	Vehicle*	Regional TNMSC	In person from facilities with cold box carriers
Thirunelveli	Walk in cooler / Non-cold	<b>Cold:</b> HIV kits	Central TNMSC	Vehicle*	Regional TNMSC	In person from facilities with cold box carriers
Thiruvallur	Not available		Central TNMSC	Vehicle*	Regional TNMSC	In person from facilities with cold box carriers
Thiruvanna-malai	Walk in cooler / Non-cold	<b>Cold:</b> HIV kits & RPR kits  <b>Non Cold:</b> Lab related, Registers, Condoms & IEC materials	Central TNMSC	Vehicle*	Regional TNMSC	In person from facilities with cold box carriers

### Supply Chain Management of Commodities- Tamil Nadu

District	Type of Cold storage	Consumables received	District level		Sub district level	
			From where received	How received	From where received	How received
Thoothukudi	Walk in cooler / Non-cold	<b>Cold:</b> HIV kits <b>Non-Cold:</b> Lab related	Central TNMSC	Vehicle*	Regional TNMSC	In person from facilities with cold box carriers
Vellore	Walk in cooler / Non-cold	<b>Cold:</b> HIV kits, RPR kits & other <b>Non Cold:</b> Lab related	Central TNMSC	Vehicle*	Regional TNMSC	In person from facilities with cold box carriers
Villupuram	Not available		Central TNMSC	Vehicle*	Regional TNMSC	In person from facilities with cold box carriers
Virudhunagar	Not available		Central TNMSC	Vehicle*	Regional TNMSC	In person from facilities with cold box carriers

\*: 1. For **cold commodities: TNMSC vehicle with Cold box**

2. For **Non-cold commodities: TNMSC vehicle**

## Supply Chain Management of Commodities- Tripura

### Fact sheet 19: Tripura

#### Introduction

Tripura is a state in North-East India with population is 36,71,032 as per census 2011. Tripura has 4 districts out of which North Tripura has DAPCU. In order to prevent new infections and contain the spread of transmission, state has established 14 ICTCs, 1 Link ART centre, 5 TI projects, 1 Link Worker Scheme, 2 Blood Banks and 1 Blood Storage Unit and 3 DSRC in the state.

#### Supply chain management of commodities requiring cold chain in Tripura

- One Walk in Cooler is present in North Tripura District among the DAPCU district
- The size of walk in cooler is 324sqft
- The walk in cooler is functional with power backup facility but Annual Maintenance Contract is not in place

Supply of cold commodities from Higher centre to district			
Districts with non-cold storage facility N=1		Districts without non-cold storage facility N=0	
<b>Source</b>	Commodities are being supplied from SACS	<b>Source</b>	Not Applicable
<b>Mode of supply</b>	Vehicle with cold box	<b>Mode of supply</b>	Not Applicable
<b>Indent mechanism</b>	No Structured mechanism	<b>Indent mechanism</b>	Not Applicable
Supply of Non cold commodities from district to peripheral units			
Districts with non-cold storage facility N=1		Districts without non-cold storage facility N=0	
<b>Source</b>	Commodities are being supplied from DAPCU	<b>Source</b>	Not Applicable
<b>Mode of supply</b>	Vehicle with cold box	<b>Mode of supply</b>	Not Applicable
<b>Indent mechanism</b>	No Structured mechanism	<b>Indent mechanism</b>	Not Applicable

#### Supply chain management of Non-cold commodities in Tripura

- One non-cold storage facility is present in North Tripura District among the DAPCU district
- Area of non-cold storage facility is 224sqft

## Supply Chain Management of Commodities- Tripura

Supply of Non-cold commodities from Higher centre to district			
Districts with non-cold storage facility N=1		Districts without non-cold storage facility N=0	
<b>Source</b>	Commodities are being supplied from SACS	<b>Source</b>	Not Applicable
<b>Mode of supply</b>	Vehicle from SACS	<b>Mode of supply</b>	Not Applicable
<b>Indent mechanism</b>	No Structured mechanism	<b>Indent mechanism</b>	Not Applicable
Supply of Non cold commodities from district to peripheral units			
Districts with non-cold storage facility N=1		Districts without non-cold storage facility N=0	
<b>Source</b>	Commodities are being supplied from DAPCU	<b>Source</b>	Not Applicable
<b>Mode of supply</b>	Vehicle from DAPCU	<b>Mode of supply</b>	Not Applicable
<b>Indent mechanism</b>	No Structured mechanism	<b>Indent mechanism</b>	Not Applicable

## Supply Chain Management of Commodities- Tripura

**Table A: Details regarding the location of cold storage places, contact details of the point person**

Dist. Code	District	Availability of cold storage	Location	Contact person	Contact details of Walk in cooler	Capacity (sqft)	AMC (Yes/No)	Functional status (Yes/No)	Power backup (Yes/No)
1	North Tripura	1	S.D.M.O, Dharmanagar	SDMO	S.D.M.O. Dharmanagar.Pin-799250. M.No-09436132110.	324	No	Yes	Yes

**Table B: Details regarding the location of Non cold storage facility, contact details of the point person**

Dist. Code	District	No of Non cold storage facilities	Approx area (Sqft)	Location	Designation	Address
1	North Tripura	1	225	CMO office	C.M.O.,Kailashahar	C.M.O.,Kailashahar,North Tripura,Ph-03824-222240/9436137019

**Table I: Supply chain management of Cold storage commodities in the state**

District	Type of cold storage	Space (Its)	From where received	How received	From where received	How received
Ajmer	Not available		SACS	Vehicle with cold box	DAPCU	In person from facilities with cold box carriers

**Table II: Supply chain management of Non-Cold storage commodities in the state**



### Supply Chain Management of Commodities- Tripura

District	Type of cold storage	Space (Its)	From where received	How received	From where received	How received
Ajmer	Not available		SACS	Through vehicle	DAPCU	In person from facilities

# Supply Chain Management of Commodities- Uttar Pradesh

## Fact sheet 20: Uttar Pradesh

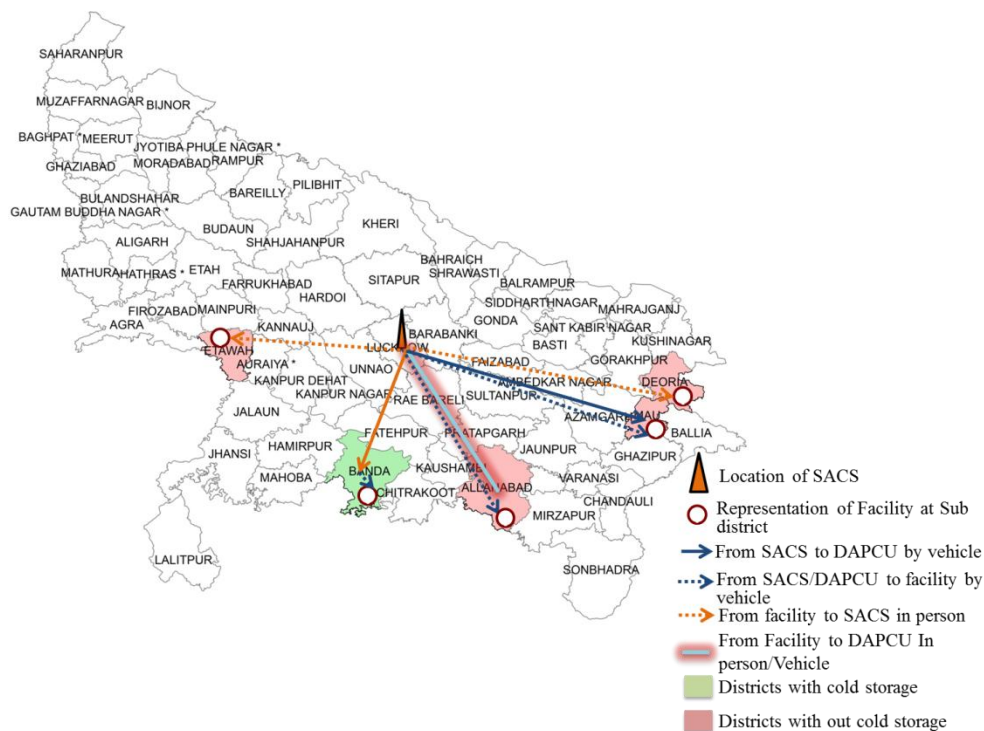
### Introduction

Uttar Pradesh is a state with a population of over 200 million people; it is India's most populous state, as well as the world's most populous sub-national entity. Uttar Pradesh has 75 districts of which DAPCU are established in 5 High HIV prevalent districts. In order to prevent new infections and contain the spread of transmission, state has established 442 ICTCs, 15 ART centres, 90 TI projects, 71 Blood Banks (NACO supported), 86 STI clinics, 11 CCCs, 8 DICs and 41 LACs in the state (UP SACS website).

### Supply chain management of commodities requiring cold chain in Uttar Pradesh

In Uttar Pradesh, facility to store cold storage commodities is available at 1 DAPCU districts. All other DAPCU districts with no storage facility are linked to the SACS to receive the cold commodities.

- Capacity of ILR is 200 Ltrs. This ILR is functional and has AMC but does not have power back up.
- Commodities that are being stored in the cold storage facilities are RPR test kits and HIV test kits.



(\*Districts with color coding- blank are non DAPCU districts)

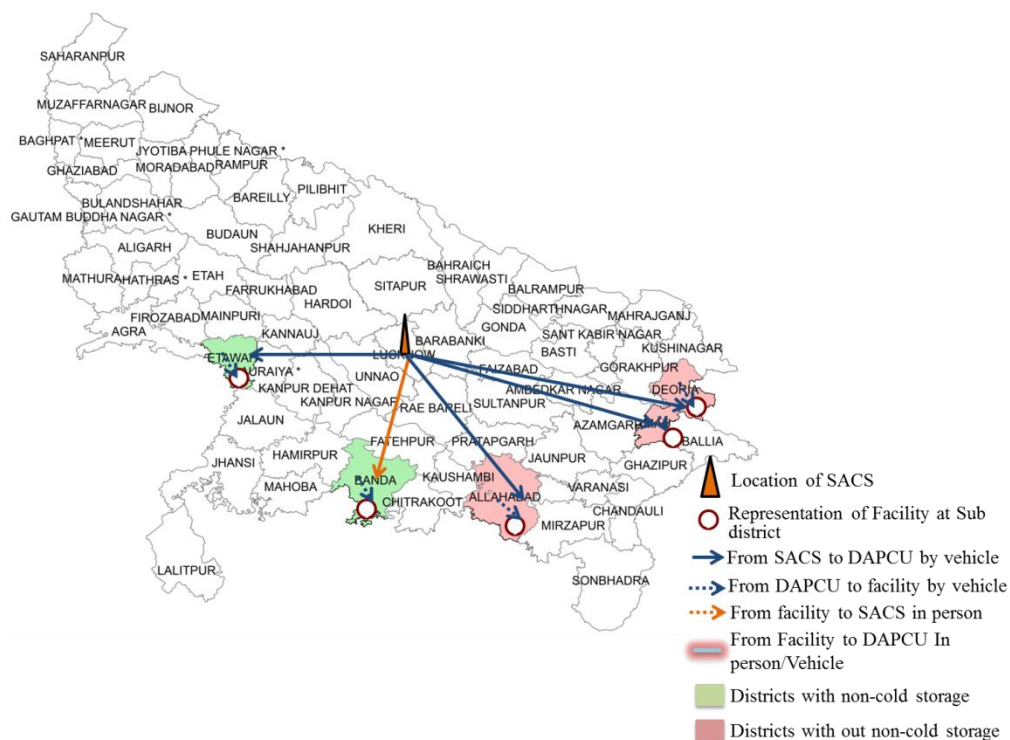
## Supply Chain Management of Commodities- Uttar Pradesh

Supply of commodities requiring cold chain from Higher centre to district			
Districts with cold storage facility N=1		Districts without cold storage facility N=4	
<b>Supply of commodities from the State Level to district</b>	Commodities are being supplied from SACS to district.	<b>Supply of commodities from the State Level to district</b>	Commodities are being supplied from SACS-4
<b>Mode of supply of commodities from the State Level to district</b>	Commodities are being transported through Vehicle with cold box- 1	<b>Mode of supply of commodities from the State Level to district</b>	Commodities are being transported through Vehicle with cold box- 2 In person - 2
<b>Indent mechanism</b>	No Structured mechanism	<b>Indent mechanism</b>	No Structured mechanism
Supply of commodities requiring cold chain from District to Peripheral unit			
Districts with cold storage facility N=1		Districts without cold storage facility N=4	
<b>Supply of commodities from district to facilities</b>	Commodities are being supplied by DAPCU	<b>Supply of commodities from district to facilities</b>	Commodities are being supplied from SACS directly to facilities in 2 districts and through DAPCU in 2 districts
<b>Mode of supply of commodities from the State Level to district</b>	Commodities are being transported through Vehicle with cold box in one district	<b>Mode of supply of commodities from the State Level to district</b>	Commodities are being transported through Vehicle with cold box in one district Vehicle with cold box -2 From SACS in person- 2
<b>Indent mechanism</b>	No Structured mechanism	<b>Indent mechanism</b>	No Structured mechanism

### Supply chain management of Non-cold commodities in Uttar Pradesh

- There are only 2 DAPCU districts (Banda & Etawah) are having non cold storage facilities
- The area of non-cold storage facilities Banda-100 & Etawah-120

## Supply Chain Management of Commodities- Uttar Pradesh



(\* Districts with color coding- blank are non DAPCU districts)

Supply of Non cold commodities from Higher centre to district			
Districts with Non cold storage facility N=2		Districts without Non cold storage facility N=3	
<b>Supply of commodities from district to peripheral units</b>	Commodities are being supplied from SACS to District	<b>Supply of commodities from district to peripheral units</b>	Commodities are being supplied from SACS
<b>Mode of supply of commodities from district to facilities</b>	Commodities are supplied through Vehicle – 2 and in Person-1.	<b>Mode of supply of commodities from to district facilities</b>	Through vehicle-3
<b>Indent mechanism</b>	No Structured mechanism	<b>Indent mechanism</b>	No Structured mechanism
Supply of Non cold commodities from Higher centre to district			
Districts with Non cold storage facility N=2		Districts without Non cold storage facility N=3	
<b>Supply of commodities from district to peripheral units</b>	Commodities supplied from DAPCU to facilities	<b>Supply of commodities from district to peripheral</b>	Commodities supplied from DAPCU to facilities

## Supply Chain Management of Commodities- Uttar Pradesh

		<b>units</b>	
<b>Mode of supply of commodities from to district facilities</b>	Commodities are transported through Vehicle -2	<b>Mode of supply of commodities from to district facilities</b>	Commodities are transported through vehicle -3
<b>Indent mechanism</b>	No Structured mechanism	<b>Indent mechanism</b>	No Structured mechanism

## Supply Chain Management of Commodities- Uttar Pradesh

**Table A: Details regarding the location of cold storage places, contact details of the point person**

**No Walk in cooler in UP**

Sl.No	District	Type of Cold storage	Capacity (lts)	Point person	Designation	Address	AMC (Yes/No)	Functional status (Yes/No)	Power backup (Yes/No)
1	Banda	ILR/TOR (1)	100	Mr. Munnalal Prajapati	ICTC Sueprvisor	Mr. Munnalal Prajapati, ICTC Supervisor, Dapcu Banda, Mo. 9935073484	Yes	Yes	No

**Table B: Details regarding the location of Non cold storage facility, contact details of the point person**

Sl.No	District	No of Non cold storage facilities	Approx area (Sqft)	Point person	Designation	Address
1	Banda	1	100	Mr. Munnalal Prajapati	DIS	Mr. Munnalal Prajapati, ICTC Supervisor, Dapcu Banda, Mo. 9935073484
2	Etawah	1	120 (2)	TANWEER AHMAD		DAPCU-05688250535 TI -NGO TANWEER AHMAD-09319218206

## Supply Chain Management of Commodities- Uttar Pradesh

**Table I: Supply chain management of Cold storage commodities in the state**

District	Type of cold storage	Space (lts)	Consumables received	District level		Sub district level	
				From where received	How received	From where received	How received
Allahabad	Not Available			SACS	In person from facilities with cold box carriers	SACS	In person from facilities with cold box carriers
Banda	ILR/TOR (1)	100	HIV kits & RPR kits	SACS	Vehicle with cold box	DAPCU	Vehicle from District
Deoria	Not Available			Not Applicable	Not Applicable	SACS	In person from facilities with cold box carriers
Etawah	Not Available			Not Applicable	Not Applicable	SACS	In person from facilities with cold box carriers
Mau	Not Available			SACS	In person from facilities with cold box carriers	SACS/Warehouse	In person from facilities with cold box carriers

## Supply Chain Management of Commodities- Uttar Pradesh

**Table II: Supply chain management of Non -Cold commodities in the state of Andhra Pradesh**

District	No of Non cold storage	Space (sqft)	Consumables received	District level		Sub district level	
				From where received	How received	From where received	How received
Allahabad	Not available			SACS	Through vehicle	DAPCU	Through vehicle
Banda	Yes	100	Lab related, Registers & IEC materials	SACS	In person	DAPCU	Through vehicle
Deoria	Not available			SACS	Through vehicle	DAPCU	Through vehicle
Etawah	Yes	120	Registers & IEC materials	SACS	Through vehicle	DAPCU	Through vehicle
Mau	Not available			SACS	Through vehicle	DAPCU	Through vehicle



# Supply Chain Management of Commodities- West Bengal

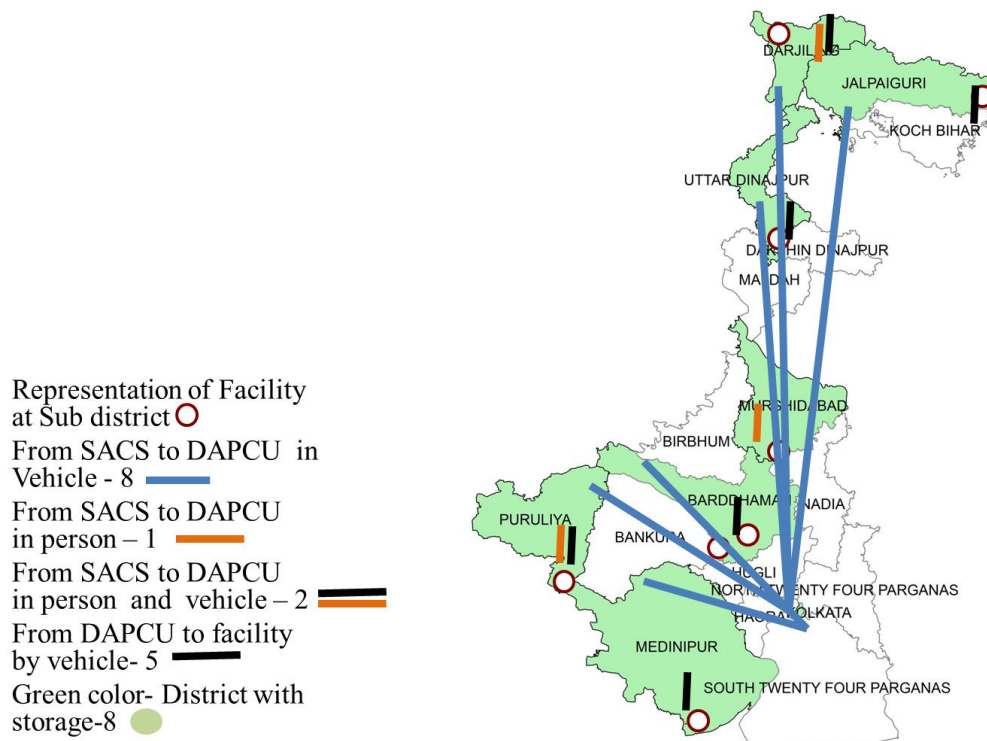
## Fact sheet 21: West Bengal

### Introduction

West Bengal is the fourth populous state of India contributing 8% of the India's population with 19 districts. Among the 19 districts 8 districts in West Bengal are established with DAPCUs. In order to prevent new infections and contain the spread of transmission, state has established 114 ICTCs, 6 ART centres, 45 TI projects, 54 Blood Banks, 4 SRLs, 23 STI clinics, 7 CCCs and 9 LACs in 8 DAPCU districts of state (*as per November 11 DAPCU monthly reports*). Functioning of these facilities is predominantly dependent on the availability of human resource, infrastructure and supplies. Information provided below depicts the supply chain mechanism and the infrastructure to store the same at district and sub district level.

### Supply chain management of commodities requiring cold chain in West Bengal

- In West Bengal all the DAPUCs are having cold storage facilities, 12 Walk in coolers and 11 ILR/TORs
- The size of the walk in cooler ranging from 80-4000sqft and ILR/TORs ranging from 100-300 lts
- Out of 23 cold storage facilities 21 are functional, 10 are having power backup and 18 are having AMC



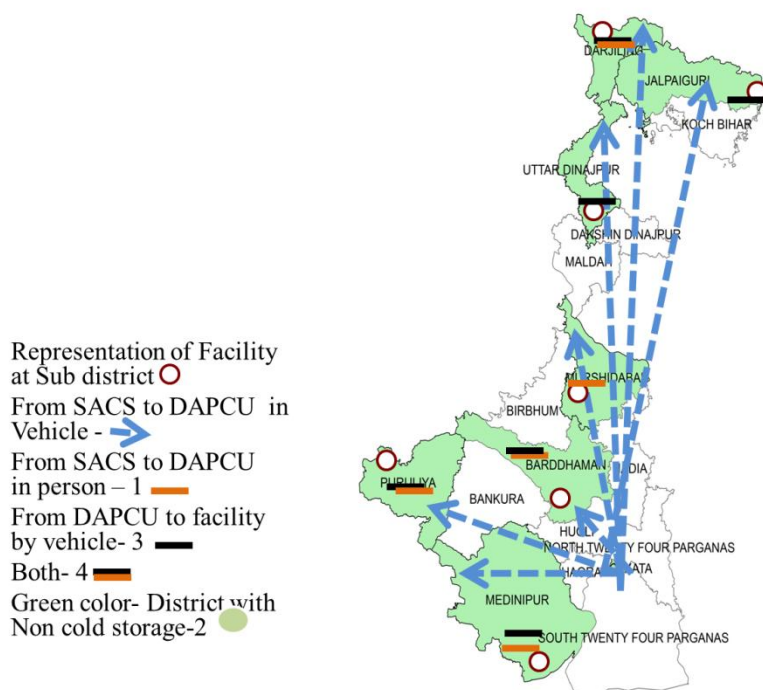
## Supply Chain Management of Commodities- West Bengal

Supply of cold commodities from Higher centre to district			
Districts with cold storage facility N=8		Districts without cold storage facility N=0	
<b>Supply of commodities from the State Level to district</b>	Commodities are being supplied from SACS storage facility in kolkata	<b>Source</b>	Not Applicable
<b>Mode of supply of commodities from the State Level to district</b>	Commodities are being supplied through Vehicle with cold box to DAPCUs	<b>supply</b>	Not Applicable
<b>Indent mechanism</b>	No Structured mechanism	<b>Indent</b>	Not Applicable
Supply of cold commodities from District to peripheral units			
Districts with cold storage facility N=8		Districts without cold storage facility N=0	
<b>Supply of commodities from district to facility</b>	Commodities from respective DAPCUs to facilities	<b>Supply of commodities from district to facility</b>	Not Applicable
<b>Mode of supply of commodities from the District to facility</b>	Commodities from DAPCU are being supplied to facilities through:  Vehicle with cold box-5  In person - 1  Both-2	<b>Mode of supply of commodities from the District to facility</b>	Not Applicable
<b>Indent mechanism</b>	No Structured mechanism	<b>Indent mechanism</b>	Not Applicable

### Supply chain management of Non-cold commodities in West Bengal

- In West Bengal all the DAPUCs are having non-cold storage facilities
- The area of non-cold storage facilities are ranging from 126- 1600sqft
- They receive Lab consumables, registers, IEC materials and Condoms from SACS through Vehicle.

## Supply Chain Management of Commodities- West Bengal



Supply of Non cold commodities from Higher centre to district			
Districts with Non cold storage facility N=8		Districts without non cold storage facility N=0	
<b>Supply of commodities from the State Level to district</b>	Commodities are being supplied from SACS to districts- 8	<b>Source</b>	Not Applicable
<b>Mode of supply of commodities from the State Level to district</b>	Commodities are being transported through Vehicle -8	<b>supply</b>	Not Applicable
<b>Indent mechanism</b>	No Structured mechanism	<b>Indent mechanism</b>	Not Applicable
Districts with Non cold storage facility N=8		Districts without non cold storage facility N=0	
<b>Supply of commodities from the district to peripheral units</b>	Commodities are being supplied from DAPCU to facilities	<b>Supply of commodities from the district to peripheral units</b>	Not Applicable
<b>Mode of supply of commodities from district to facilities</b>	Commodities are being transported through Vehicle Both vehicle and by person -4, In person-1  Vehicle- 3	<b>Mode of supply of commodities from district to facilities</b>	Not Applicable
<b>Indent mechanism</b>	No Structured mechanism	<b>Indent mechanism</b>	Not Applicable

## Supply Chain Management of Commodities- West Bengal

**Table A: Details regarding the location of cold storage places, contact details of the point person**

District	Type of cold storage	Space( WIC- Sqft & ILR/TOR - Its)	Consumables received	District level		Sub district level		AMC (Yes/No)	Functional status (Yes/No)	Power backup (Yes/No)
				From where received	How received	From where received	How received			
Burdwan	WIC	126	HIV kits & RPR kits	IBTMI	Vehicle with cold box	DAPCU	Vehicle from District	Yes	Yes	No
	WIC	126						Yes	Yes	No
	ILR/TOR	300						Yes	Yes	No
	ILR/TOR	300						Yes	Yes	No
	ILR/TOR	300						Yes	No	No
	ILR/TOR	300						Yes	No	No
Darjeeling	WIC (1)	96		SACS	Vehicle with cold box	DAPCU& SACS	Both	Yes	Yes	Yes
Jalpaiguri	WIC (1)	80		IBTMI	Vehicle with cold box	DAPCU& SACS	Vehicle from SACS/Warehouse	Yes	Yes	Yes
Kolkata	WIC	100	1. HIV Test kits - for ICTCs & Blood Banks 2.RPR Test Kits 3.HCV & HBs Ag	Manufacturer	Vehicle with cold box	DAPCU	Vehicle from SACS/Warehouse	Yes	Yes	No
	WIC	100						Yes	Yes	No
	WIC	100						Yes	Yes	No
	WIC	100						Yes	Yes	No
	WIC	100						Yes	Yes	No

**Supply Chain Management of Commodities- West Bengal**

District	Type of cold storage	Space( WIC- Sqft & ILR/TOR - Its)	Consumables received	District level		Sub district level		AMC (Yes/No)	Functional status (Yes/No)	Power backup (Yes/No)
				From where received	How received	From where received	How received			
			Test Kits 4. Reagents (Anti A, Anti B, Anti D, Anti A1, Anti H ) for RBTC							
Murshidabad	WIC	4000	HIV kits	IBTMI	Vehicle with cold box	DAPCU	In person from facilities with coldbox carriers	Yes	Yes	Yes
	ILR/TOR	300						Yes	Yes	Yes
Purba Midnapur	ILR/TOR (2)	100		NRS MCH, Kolkata & Central Blood Bank, Kolkata	Vehicle with cold box	DAPCU	Vehicle from District	Yes	Yes	Yes
		100						Yes	Yes	Yes
Purulia	WIC	100	HIV kits & RPR kits	Manufacturer	Vehicle with cold box	DAPCU	Both	Yes	Yes	Yes
	ILR	100								
	ILR	300								
Uttar	WIC - 1 & ILR	560	HIV kits	WBSAP&CS &	Vehicle with cold box,	DAPCU	Vehicle	No	Yes	Yes

**Supply Chain Management of Commodities- West Bengal**

District	Type of cold storage	Space( WIC- Sqft & ILR/TOR - Its)	Consumables received	District level		Sub district level		AMC (Yes/No)	Functional status (Yes/No)	Power backup (Yes/No)
				From where received	How received	From where received	How received			
Dinajpur	- 2			Swasthya Bhawan	many time not maintain cold chain		from District,			
	ILR	140					Many time Supply through Block Level Vehicle with Maintain Cold Chain	No	Yes	Yes
	ILR	300						No	Yes	Yes

## Supply Chain Management of Commodities- West Bengal

**Table B: Details regarding the location of Non cold storage places, contact details of the point person**

Dist. Code	District	No of Non cold storage facilities	Approx area (Sqft)	Point person	Designation	Address
1	Burdwan	2	126 (2)	Mr. Anish Ahmed	Store Keeper	Mr. Anish Ahmed, Store Keeper, CMOH Office, Shyam Sayar East, Khosbagan, Burdwan - 0342-2566752 / 9434313280
2	Darjeeling	4	300 (4)	1. Dr. Saikat Dutta 2. Dr M Das 3. Miss Sinchinin Sarkar 4. Sri Dhruba Chettri	1. MOIC 2. RBTC 3. DIS 4. DPO	1. Dr. Saikat Dutta, MOIC, Nodal ART Centre, NBMC&H, Siliguri; Mobile No: 9433175684 2. Dr. M.Das, RBTC, NBMC&H, Siliguri; Mobile No: 9434121152 3. Miss Sinchinin Sarkar, District ICTC Supervisor, Office of the Dy.CMOH-II, (Darjeeling), N/SL 46/Raja Ram Mohan Roy Bye lane, East Vivekanandapally, P.O.Rabindra Sarani, Siliguri 4. Sri Dhruba Chettri, District Programme Manager, DAPCU (Darjeeling), 7, Oaks Road, Rose Bank, Near Ava Art Gallery, Darjeeling; Mobile No: 9832368851
3	Jalpaiguri	2	400			DRS, Jalpaiguri District Hospital Campus,03561230391

**Supply Chain Management of Commodities- West Bengal**

Dist. Code	District	No of Non cold storage facilities	Approx area (Sqft)	Point person	Designation	Address
4	Kolkata	3	1600 (3)	1. Mr Paltu Pal 2. Mr. Soumya Mukherjee	1. Store incharge 2. Store officer	1. Store Incharge - Mr. Paltu Pal, Central Family Welfare Store, Govt of West Bengal, 541/B Rabindra Sarani, Bagbazaar, Kolkata - 700003 Phone no - 033 25541410 2. Store Officer - Mr. Soumya Mukherjee, WBSAP&CS, Shed- C, Bhawani Bhawan, 31/1 Bevedra Road, Alipore, Kolkata - 700027. Phone - 033 24565202, M obile - 9433903892 3. The Director, Institute of Blood Transfusion Medicine & Immunohaematology, 205 Vivekananda Road, Kolkata - 700006 phone - 033 2351 0620/0619
5	Murshidabad	2		Nitai Saha	Store Keeper	Nitai Saha, (Store Keeper), District Reserve Store, P.O:- Berhampore, Dist:- Murshidabad, Pin:- 742101, Mob:- 9679360478
6	Purba Midnapur	1	450	Saroj Das		Saroj Das, 03228- 266489; Office of the Chief Medical Officer of Health, Tamluk, Purba Medinipur, West Bengal, PIN-721636.
7	Purulia	3	800 (3)	Mr. Gouranga Roy		1. Mr. Gouranga Roy Mobile No- 9531543178 Zila Swastha Bhawan Office of The Deputy CMOH-I, Ranchi Road, Purulia-723101 West Bengal
8	Uttar Dinajpur	1	800	Gour Bandhu Chakraborty		Gour Bandhu Chakraborty, South Birnagar, Raiganj, Uttar Dinajpur, Contact No. 9332370107.



## Supply Chain Management of Commodities- West Bengal

**Table I: Supply chain management of Cold storage commodities**

District	Type of cold storage	Space(WI C- Sqft & ILR/TOR - lts)	Consumables received	District level		Sub district level	
				From where received	How received	From where received	How received
Burdwan	WIC - 2 & ILR -4	WIC-126(2) & ILR/TOR-300(4)	HIV kits & RPR kits	IBTMI	Vehicle with cold box	DAPCU	Vehicle from District
Darjeeling	WIC (1)	WIC-96		SACS	Vehicle with cold box	DAPCU&SACS	Both
Jalpaiguri	WIC (1)	WIC-80		IBTMI	Vehicle with cold box	DAPCU&SACS	Vehicle from SACS/Warehouse
Kolkata	WIC (5)	WIC - 100(5)	HIV kits, RPR kits& STI kits	Manufacturer	Vehicle with cold box	DAPCU	Vehicle from SACS/Warehouse
Murshidabad	WIC - 1 & ILR - 1	WIC-4000 & ILR/TOR - 300	HIV kits	IBTMI	Vehicle with cold box	DAPCU	In person from facilities with coldbox carriers
Purba Midnapur	ILR/TOR (2)	ILR/TOR - 100(2)		NRS MCH, Kolkata & Central Blood Bank, Kolkata	Vehicle with cold box	DAPCU	Vehicle from District
Purulia	WIC - 1 & ILR - 2	WIC-100 & ILR/TOR - 100&300	HIV kits & RPR kits	Manufacturer	Vehicle with cold box	DAPCU	Vehicle/In person
Uttar Dinajpur	WIC - 1 & ILR - 2	WIC-560 & ILR/TOR - 140	HIV kits	WBSAP&CS & Swasthya Bhawan	Vehicle with cold box	DAPCU	Vehicle from District

### Supply Chain Management of Commodities- West Bengal

District	Type of cold storage	Space(WI C- Sqft & ILR/TOR - Its)	Consumables received	District level		Sub district level	
				From where received	How received	From where received	How received
		&300					

## Supply Chain Management of Commodities- West Bengal

**Table II : Supply chain management of Non Cold storage commodities**

District	No of Non cold storage facilities	Space (Sqft)	Consumables received	District level		Sub district level	
				From where received	How received	From where received	How received
Burdwan	2	126	Registers & IEC materials	SACS	Through vehicle	DAPCU	Vehicle/In person
Darjeeling	4	300		SACS	Through vehicle	DAPCU	Vehicle/In person
Jalpaiguri	1	400	Lab related, Registers, IEC Materials & Condoms	SACS	Through vehicle	DAPCU	Through vehicle
Kolkata	3	1600	Lab related, Registers, IEC Materials & Condoms	Manufacturer	Through vehicle	DAPCU	Through vehicle
Murshidabad	2		Lab related & Condoms	Swasthya Bhawan	Through vehicle	DAPCU	In person
Purba Midnapur	1	450	Lab related, Registers, IEC Materials & Condoms	Maharashtra	Through vehicle	DAPCU	Vehicle/In person
Purulia	3	800	Lab related, Registers, IEC Materials & Condoms	Manufacturer	Through vehicle	DAPCU	Vehicle/In person
Uttar Dinajpur	1	800	Lab related, Registers, IEC Materials & Condoms	SACS	Through vehicle	DAPCU	Through vehicle