

# **COLD CHAIN ASSESSMENT CHHATTISGARH**

## **FINAL REPORT**

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## ACRONYMS

AMC	Annual Maintenance Contract
BR	Beyond Repair
CFC	Chlorofluorocarbons
DF	Deep Freezer
DHQ	District Headquarter
DIO	District Immunisation Officer
EEFO	Early Expiry First Out
EVSM	Effective Vaccine Store Management
HC	Hydrocarbons
HDI	Human Development Index
HFC	Hydro fluorocarbons
ILR	Ice-Lined Refrigerator
IPPI	Intensified Pulse Polio Immunisation
ITPI	IT Power India Pvt. Ltd
LHV	Lady Health Volunteer
MIS	Management Information System
MOiC	Medical Officer in-Charge
PHC	Primary Healthcare Centre
ToR	Terms of Reference
UNICEF	United Nations Children's Fund
UPS	Uninterrupted Power Supply
VVM	Vaccine Vial Monitor
WHO	World Health Organisation
WIC	Walk-in Cooler
WIF	Walk-in Freezer

## EXECUTIVE SUMMARY

In late 2005 and early 2006, ITPI carried out a thorough assessment of the cold chain in Chhattisgarh for UNICEF. The evaluation sought to identify the existing and required vaccine storage capacity in relation to the state's immunisation targets and determine the efficiency of the cold chain system. Based on the evaluation, short-term and long-term recommendations have been spelt out.

Chhattisgarh was earlier a part of Madhya Pradesh, and was declared a separate state in the year 2000. Its cold chain consists of a central store, which is located in Raipur, where one Walk-in-Cooler (WIC) and one Walk-in-Freezer (WIF) has been installed. In addition, there are two more WICs, one at Bilaspur and the other at Dantewara. The 16 district stores and 712 PHCs complete its cold chain network.

The assessment was both qualitative and quantitative and included an inventory of equipment and an examination of the logistical parameters so that suggestions could be made as to how equipment could be rationally distributed. Additionally, adequacy and reliability of power supply, staff-efficiency, repair and maintenance, record-keeping and medical waste disposal systems were also evaluated.

ITPI assessed the central and district stores, while twelve cold chain technicians from the state carried out the PHC assessment using a pre-structured questionnaire. The assessment was carried out in three phases:

- Phase I: Technician training for familiarisation with the assessment process
- Phase II: ITPI assessment of district stores against EVSM standards
- Phase III: Technicians' assessment of PHCs based on the questionnaire

Phase I spanned two days, from 24 October to 26 October 2005. Phase II began on 12 November 2005 and was completed on 28 November 2005. Ten temperature data loggers were installed at select district stores (WIF: Raipur, Bilaspur, Korba, Jashpur, Sarguja, Kawardha, Kanker, Dantewara, Durg and Bastar). The district store performance was then quantified based on the ten EVSM criteria. Phase III extended from 16 November 2005 to 1 March 2006

### *1.1. Major findings*

By and large, the state's power supply is adequate and reliable but it does not have an adequate arrangement for power back-up at many sites. Cold chain maintenance at the sites is largely satisfactory and is supported by an efficient and well-trained team of state-appointed technicians. Complaints are normally attended to within seven days of the reported breakdown. There is, however, a dearth of workshops and spare parts.

As for the cold chain personnel, they are aware of VVM and follow the immunisation plans. But vaccine management is poor. Further, though temperature is recorded, they do not know how to interpret the readings. Again, day-to-day maintenance and record-keeping are areas that need to be improved.

#### ❑ Central store

- Vaccine distribution is not systematised. Actual vaccine quantities issued to the district stores are high when compared to quantities planned for the year.

- Vaccine is not stacked in an orderly manner.
- WIF is located in the same building as the secretariat and access is difficult.
- The central and district stores operate from the same premises and vaccine record maintenance is not transparent.
- The current in-charge needs training in cold chain best practices.

#### ❑ District store

- Supply of vaccine is not co-related to the immunisation targets, and often stock-out situations occur in many district stores.
- A large proportion of the district stores (7 out of 16) are handled by untrained and unqualified staff.
- In 7 out of 16 stores, temperature monitoring, maintenance of infrastructure and equipment and vaccine management are far from satisfactory.
- Five district stores, namely Korba, Korea, Janjgir, Mahasamund and Dantewara fall dismally below the required operating standards. They lack efficient manpower; the space is insufficient and the store is not easily accessible. Further, vaccine inventory management is inefficient and equipment maintenance leaves much to be desired. There is no, or negligible, monitoring of these stores and vaccine is at utmost risk.
- Readings from the data loggers reveal that the risk of the T series vaccine freezing is fairly high at some of the stores.

#### ❑ PHCs

- Around 52% of the total equipment in the state is CFC-based. Totally, 80% of the CFC equipment is still operational.
- The state totally has 97 units that are beyond repair. These units must be excluded from the inventory. It is important that these units be disposed of in a manner that would prevent release of CFC gas into the environment.
- There are totally 22 CFC-free units that are not working. These units can be repaired by the state-level technicians.
- At 12 PHCs, there is less than 8 hours of regular power; 13 sites suffer from continuous low voltage, although the power cuts are few; and 60 sites have no power supply at all.
- The existing voltage stabilizers are ill-equipped to handle voltage below 150 kVa.
- Generally, the quality of wiring is sub-standard. Several sites have no proper plugs and sockets and the wires are directly inserted into the sockets. Often, the earthing is bypassed. Many sites do not have proper earthing and use the earth as neutral.
- All ILRs and DFs originally came with the three-pin plug moulded on the cable. Vestfrost equipment was supplied with a power supply plug designed for special power sockets; these were often not compatible with the three-pin sockets on the stabilizers supplied. Hence, either the original power supply plugs have been removed or an electrical extension box has been used to connect the equipment to the stabilizer.
- Constraints in terms of budgets for fuel or transportation were often expressed. This is particularly relevant since a fairly large number of PHCs fetch the vaccine weekly.

- Vaccines are stacked inside the unit without leaving sufficient space for air circulation. Further, the T series vaccines are stacked at the bottom, rendering the vials vulnerable to freezing. The standard EEFO procedure is not followed anywhere.
- Solid, frozen ice-packs are used for transporting vaccines right from the central store down to the sub-centres. As a result, vaccines frequently come into direct contact with ice-packs or ice. This is particularly relevant where freeze-sensitive vaccines are concerned and could explain why frozen (damaged state) ‘T’ series vaccine vials were found at quite a few sites.
- There is very little awareness with regard to the quality indicators for the T series vaccines. None of the staff know how to perform or interpret the shake test.
- Frequently, the vaccine is stored in wet conditions and as a result the labels come off, and there is no way of checking the date of manufacture, expiry, or vaccine name and VVM status.
- Only 88 cold chain operators have received any training in cold chain, though all the personnel have received training in handling OPV. No specialised training has been provided on equipment maintenance and vaccine storage. The staff was unaware of bin cards.
- Temperature monitoring seems to lack the kind of accuracy and consistency that is required, although the staff appear to be aware of the purpose of the entire exercise

## ***1.2. Recommendations***

### ***Short-term***

- The newly supplied HAIER ILRs should be laboratory tested for recommended cold chain norms.
- Baskets should be provided for all the HAIER ILRs supplied in the state.
- A plan as to what is to be done with ‘beyond repair’ and ‘non-working’ equipment needs to be drawn up. Special care needs to be taken when it comes to disposal of CFC machines.
- The 22 CFC-free units that are not working should be repaired on a priority basis.
- The average working life for each piece of equipment needs to be defined and procedures for removing the equipment from the inventory described.
- Units that are rusted externally and internally (CFC and CFC-free) and where the fault lies with the sealed system should not be repaired and should be removed from the inventory.
- CFC-free equipment which is not working and the body has rusted (indicating reduced life-span) should not be repaired. All non-CFC units that have been repaired once and broken down again should not be repaired.
- Stabilizers need to be repaired at the district store facility and clear instructions need to be issued to the cold chain technicians not to by-pass any safety control measure.
- Wiring and earthing need to be corrected on a priority basis.

- Voltas now supplies a stabilizer that can deal with low voltage. It is recommended that its performance be observed and if found efficient, it be adopted for use at all PHCs.
- Funds must be made available through UNICEF for better and more regular maintenance. A contract could be drawn up with one sub-contractor, which includes strict performance-bound contract renewal clauses.
- Equipment operation/management instructions should be supplied in the local languages.
- Product manuals must be supplied with all new equipment installed.

Table 20 summarises the net requirement (shortage) of refrigeration units. This gap has been determined based on forecasted requirement in the state (as listed in appendix T).

### ***Medium-term***

- A new WIC and WIF are required at Korba, and Bastar Districts. These districts are centrally located for distant locations like Korea, Sarguja, Jashpur and Raipur (closer to Korba) and Dantewara (closer to Bastar district.)
- The WIF at the central store needs to be moved from the secretariat building to a more central location.
- An intensive training programme needs to be conducted for all health workers with cold chain responsibilities. The training should cover importance of cold chain, equipment operation and maintenance, site maintenance, temperature recording and its importance, handling freeze-sensitive vaccines, conducting and interpreting the shake test, sharp waste disposal and efficient record keeping.
- EPI training also needs to be conducted for middle-level managers.
- Technician training programmes also need to be conducted, in which the training content should include best practices for CFC-free machines.
- The policy for systematic disposal of sharps and vaccine needs to be determined.
- Budgetary allocations for fuel to run the generator must be made.
- Itemised replacement plans should be drawn up and financial, material and personnel allocations made.
- All sites should have contingency/emergency plans for sudden breakdowns.

### ***Long-term***

- On-going training must be provided to upgrade skills and knowledge of existing and new staff in the operation and maintenance of equipment, and vaccine handling.
- Local capacity needs to be developed for equipment repair and maintenance and manufacturing spares.
- Automated temperature logging system need to be installed at cold rooms.
- Ways to regularise power supply to all cold chain sites should be explored.
- The cold chain should be made fully efficient so that WHO accreditation for EVSM can be sought.



### ***1.3. Conclusion***

To sum up, when evaluated against WHO-recommended standards, the cold chain system in Chhattisgarh falls below the mark. A majority of the sites falls short when it comes to skilled staff, adequate vaccine storage capacity, vaccine management, power back-up facilities, and systematised medical waste disposal. However, in areas like equipment maintenance, performance has been satisfactory. Though, no official contingency or emergency plans have been drawn up to handle sudden breakdowns.

As it stands now, the system relies heavily on the health staff's goodwill to sustain the regular programme. Training is insufficient and some of the cold chain personnel have received no training at all. There is gross ignorance when it comes to preserving integrity of freeze-sensitive vaccines and very few know how to perform or interpret the 'shake test'. Cold Chain Monitors (CCMs) and freeze indicators are not used. Record-keeping, whether it is related to stocks, fuel usage, maintenance, or training, is unsatisfactory.

Though the Pulse Polio Campaigns and catch-up programmes have additional resources to fill the gaps, the regular programme lacks both financial and material resources.

Immediate action needs to be taken in terms of drawing up a waste disposal action plan for outdated and beyond repair units. The non-functioning CFC-free machines must be repaired, and the earthing and wiring needs to be standardised. Training in handling the T series vaccine is also recommended.

## **1. BACKGROUND**

Chhattisgarh, which was earlier a part of Madhya Pradesh, was declared a separate state in the year 2000. It comprises 16 districts and 712 PHCs. The state has a central store located in Raipur, which is equipped with one Walk-in-Cooler (WIC) and one Walk-in-Freezer (WIF). In addition, there are two more WICs in the state, one at Bilaspur and the other at Jagdalpur. Since its separation from Madhya Pradesh, the status of the cold chain in the state has not been assessed. UNICEF appointed IT Power India (ITPI) to carry out a comprehensive assessment and provide a detailed report on the status of the cold chain in the state.

## **2. INTRODUCTION**

Vaccine stocks and consumables reach immunisation targets from the central store through district stores, then blocks (mandals) and finally the Primary Health Centres (PHCs). Vaccine is normally issued to the blocks on a monthly basis from their respective district stores. Most of the blocks have operational cold chain equipment to store the vaccine, whereas many PHCs are not equipped with refrigeration units. Therefore the vaccine is delivered to these PHCs from the blocks on a weekly basis.

## **3. SCOPE OF ASSESSMENT**

The assessment was to cover the following:

### ***3.1. Inventory and qualitative evaluation***

- Assess and document the number of units of cold chain equipment at all levels and describe their current status. Assessment to cover both electrical, including Ice-lined Refrigerators (ILRs) and Deep Freezers (DFs), and non-electrical equipment. Also assess quality and efficiency of operation and repair and maintenance services.

### ***3.2. Logistics***

- Map distribution of cold chain equipment across the state and suggest how it could be rationally distributed.
- Assess availability of power supply.
- Assess availability of adequately skilled technicians. Also examine travel distances and response-time for technicians.
- Assess procedures followed for addressing minor and major repairs; availability of an adequate stock of spare parts; and cost of major and minor repairs of electrical cold chain equipment.
- Assess cold chain logistics, including delivery patterns (timing, responsibilities) between cold chain storage points and immunisation sessions.

### ***3.3. Staff***

- Assess knowledge and practice of district and PHC-level staff when it comes to cold chain use and maintenance, cold chain temperature and maintenance monitoring and documentation.
- Determine the quality and extent of training.

Based on the qualitative and quantitative analysis, a list of recommendations had to be drawn up.

#### 4. METHODOLOGY

Given the size of the state and the number of PHCs (400 and above are operational), it was difficult for ITPI to assess every site. It was agreed between UNICEF, ITPI and the Chhattisgarh government that ITPI would assess the central and district stores and that capacity should be built within the state to carry out the PHC assessment. Twelve cold chain technicians<sup>1</sup> from the state were identified and trained to carry out the assessment. The assessors visited the PHCs in their districts, using a pre-structured questionnaire to conduct the survey. This exercise was considered appropriate for two reasons: (i) the technician would get a first-hand exposure to the best cold chain practices; (ii) and they would also get up-to-date information on the operating status of the cold chain equipment.

The cold chain assessment was carried out in three phases:

**Phase I:** Technician training to familiarise with questionnaire and assessment process

**Phase II:** ITPI assesses district stores against basic EVSM standards

**Phase III:** Technicians visit the PHCs to collect information as per questionnaire

While ITPI's total involvement was sought in Phases I & II, Phase III was to be entirely executed by the technicians. Phase I spanned two days, from 24 October to 26 October 2005. ITPI trained 12 state-level cold chain technicians in the basics of cold chain and introduced them to the data collection forms. (Two forms were prepared to collect data from the sites: See Appendix A).

The data collection methodology was also discussed in detail. ITPI formed six teams of two technicians each, ensuring that every team included a few experienced hands. Each team was assigned three districts (except for 2 teams which had to cover two larger districts each) to carry out the PHC-level assessment.

The training schedule commenced on 24 October 2005. It was spread over two days. Table 1 outlines the entire training programme.

**Table 1: Technician training schedule and content**

Training content	Trainers	Trainees
<b>Day one: 24 Oct 2005</b>		
Introduction of trainers and participants	Terry Hart Ranjit Dhiman	N Majumdar, Sarguja Ramesh Pillai, Durg
Detailed discussion on objective of assessment	Soren Spanner (Consultant, UNICEF)	N R Dhankar, Dhamtari Rakesh Sharma, Raipur
Discussion on role and terms of reference for site visits by technicians	Dr. Aboli Gore, (UNICEF Bhopal)	T S Verma, Jashpur nagar B P Tiwari, Bilaspur

<sup>1</sup> These cold chain technicians were appointed in 2000 for the maintenance of the cold chain in the state. However, their Terms of Reference (ToR) are, in essence, similar to those of the cold store manager, and their tasks include: issue and collection of vaccine, maintenance of temperature record books at district stores, maintenance of cold chain equipment, etc.

Introduction to cold chain Familiarisation with data collection form Q/A and mock data collection exercise	Dr. Subhash Pandey, (State Immunisation Officer, Chhattisgarh)	Rashid Khan, Kawardha Chandrakar, Raipur L K Verma, Durg Panchram Patel, Kanker Adhikari, Dantewara Nag, Bastar Kale, Bilaspur
<b>Day two: 25 Oct. 2005</b>		
Field visits and on-site data collection. <sup>2</sup> Teams consisting of two members each formed and districts assigned to each team. (see Appendix B for details)		

The technicians began their assessment on 16 November 2005 and completed it by 1 March 2006. Two members from the ITPI assessment team initiated Phase II on 12 November 2005. The district store assessment was completed on 28 November 2005.

The following section describes the assessment methodology in greater detail.

#### ***4.1. Assessment of site***

The assessment team totally visited 574 sites to review infrastructure, equipment and transport. Sites were assessed to determine adequacy of space, ventilation, waste disposal methods and location, and availability of staff to monitor the cold chain in the event of power failure.

##### **4.1.1. District store**

Phase II of the cold chain assessment began on 12 November 2005. ITPI mobilised two teams, each team included one trained assistant and an expert from ITPI, to cover the 16 district stores. Each of the two teams spent a day at the district store; and the next day was spent in visiting the PHCs with the district's technician team.

The district store assessment was completed on 28 November 2005. Ten temperature data loggers were installed at select district stores (WIF: Raipur, Bilaspur, Korba, Jashpur, Sarguja, Kawardha, Kanker, Dantewara, Durg and Bastar) to monitor temperature readings for a period of one month at each site. These temperature loggers were placed during the ITPI site assessors' district store visits and were returned to ITPI by the technicians along with the data sheets in first week of March 2006. The temperature readings from these data loggers indicate the power supply status and reveal the operational efficiency of the refrigeration units in terms of stability within the required temperature zones.

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<sup>2</sup> The technicians were divided into two groups. Each group visited two sites and collected information as per the assessment form as an on-site training event.

The district store performance was then quantified based on the 10 EVSM criteria<sup>3</sup>. Procedures were scaled to rank between 0-5, 0-4, 0-3, 0-2 and 0-1. The critical procedures were scored on a scale of 0-5, with the range decreasing with the importance of the procedure in the maintenance of the cold chain. The questionnaire was revised to enable evaluation in a shorter duration of time (a single day). Since the ranking is largely based on observation and interviews with staff, the scores do not validate EVSM certification. It was not possible to assess every procedure for reasons beyond our control, and in such cases an average rank was assigned based on the information available.

The ten global EVSM criteria are:

- 1) *“Over a period of 12 months, pre-shipment and arrival procedures have ensured that all shipments were in satisfactory condition when received by the primary stores.”*
- 2) *“Over a period of 12 months, all vaccines have been stored within WHO-recommended temperature ranges.”*
- 3) *“Over a period of 12 months, the capacity of cold storage has been sufficient to meet the demand.”*
- 4) *“Over a period of 12 months, the buildings, equipment and transport available to the programme have enabled the cold store to function effectively.”*
- 5) *“Over a period of 12 months, all buildings, equipment and transport have been properly maintained.”*
- 6) *“Over a period of 12 months, stock management has been effective.”*
- 7) *“Over a period of 12 months, deliveries of vaccine to the next level have been timely and sufficient.”*
- 8) *“Over a period of 12 months, no damage has occurred to the vaccine during distribution.”*
- 9) *“Over a period of 12 months, the facility has followed standard operating procedures.”*
- 10) *“Over a period of 12 months, human and financial resources have been sufficient.”*

#### **4.1.2. PHCs**

#### **4.2. Electrical cold chain equipment**

The sites were assessed to evaluate vaccine storage capacity, capacity to produce ice-packs for regular and campaign programmes, and functional status of equipment. The power supply connections, stabilizer support, earthing of equipment, and temperature log books were also examined. The equipment was broadly classified into three categories namely: Working (functional), Not Working (non-functional equipment, but could be repaired) and Condemned or Beyond Repair.<sup>1</sup> Maintenance and record-keeping procedures were evaluated.

#### **4.3. Non-electrical cold chain equipment**

Non-electrical cold chain equipment, which includes cold boxes, vaccine carriers, ice-packs and thermometers, was reviewed for present stock and equipment condition. Cold boxes were physically checked for damage to hinges, locks, handles, lids, gaskets and chains and the

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<sup>3</sup> Though the criteria used subscribe to the original EVSM criteria, it does not strictly follow the original ranking system. This is primarily because it requires a minimum of five days per site to thoroughly evaluate the store as per EVSM standards.

body itself. The inventory of cold boxes, vaccine carrier and ice-packs includes the estimated number of units sent into the field.

#### ***4.4. Assessment of power situation and back-up power supply mechanism***

The staff at the site was interviewed to determine hours of assured power supply, usage of the generator, fuel purchase, and funds for fuel. The temperature record book was examined to corroborate the information.

#### ***4.5. Assessment of vaccine storage and delivery mechanism***

Stock books were checked to evaluate vaccine and consumables' stock management and record-keeping procedures. The information recorded was co-related against available stock.

The staff was interviewed to assess the delivery system and procurement/delivery frequency; and the indent challan were also verified. The vaccine transport mechanism was also evaluated.

#### ***4.6. Assessment of sharp waste disposal***

Sites were assessed for their sharp waste disposal practices, including usage of safety boxes and hub cutters. Some correlation was sought to be made between the vials used and the number of children vaccinated against the number of safety boxes used.

#### ***4.7. Assessment of cold chain personnel***

The cold chain operations staff were interviewed to determine whether they had received sufficient training and to assess their understanding of the cold chain and its operation and maintenance, vaccine handling and status of power supply. (See Appendix R and Appendix S for areas covered)

#### ***4.8. Assessment of cold chain equipment maintenance***

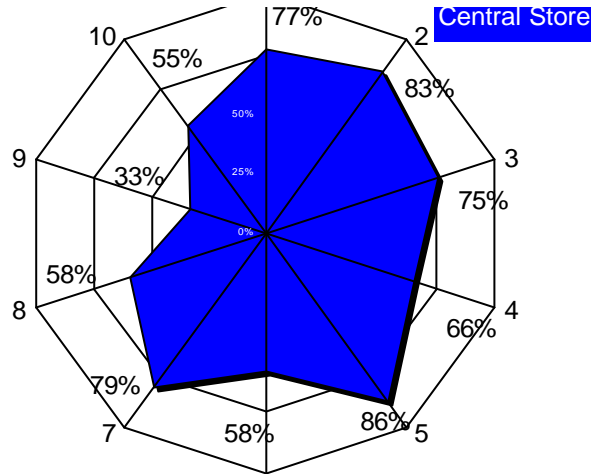
The staff responsible for the maintenance of electrical and non-electrical equipment was interviewed to assess cold chain equipment maintenance practices.

## **5. MAJOR FINDINGS**

### ***5.1 Central store***

#### **5.1.1 Central store (and district store), Raipur**

The State Immunisation Officer (SIO), Dr. Subhash Pandey, monitors the cold chain process at the central store. However, the operations far from meet the EVSM standards. They fall short of the standards, especially when it comes to storage of vaccine in cold rooms, location of WIF, monitoring of vaccine distribution and recording stocks of diluents. Vaccine distribution is not systematised. Walk-in requisitions are entertained from the district stores as against planned distribution of vaccine and there is no practice of advance intimation. Annual immunisation targets are not rigidly compared against actual demand. Actual vaccine quantities issued to the district stores are high when compared to quantities planned for the year.



**Figure 1: Spider graph of central store (average rating of 67%)**

The vaccines are not stacked in an orderly manner. The WIF is located in the secretariat building, where entry is restricted, and a pass has to be obtained from the guard on duty for entry. The central store and the district store operate from the same premises, and vaccine record maintenance is not transparent and does not distinguish between stocks belonging to the Raipur district store and the central store. The DIO, Dr Rama Singh, has been recently appointed. Formerly a paediatrician in the government hospital, she requires training to fulfil her responsibilities.

## **5.2 District stores**

### **5.2.1 General assessment**

An adequate and reliable power supply (except for remote PHCs in Korea, where it is supplied from Madhya Pradesh) and an efficient team of state-appointed refrigeration technicians support the Chhattisgarh cold chain. But the staff is inefficient in vaccine stock management (supply of vaccine is not co-related to the immunisation targets, and often stock-out situations occur in many district stores). A large proportion of the district stores (7 out of 16) are handled by untrained and unqualified staff, which puts vaccine safety at great risk.

All the 16 district stores were assessed based on the ten EVSM global criteria. Four district stores, namely Raipur (which is primarily a central store), Durg, Bilaspur and Rajnandgaon demonstrated better cold chain operational efficiencies. They can, with little effort, qualify for EVSM certification. In these stores the staff is dedicated and follow the standard procedures, and the DIO or CMO monitors the store functioning. These stores also have experienced and dedicated technicians to look after the cold chain equipment.

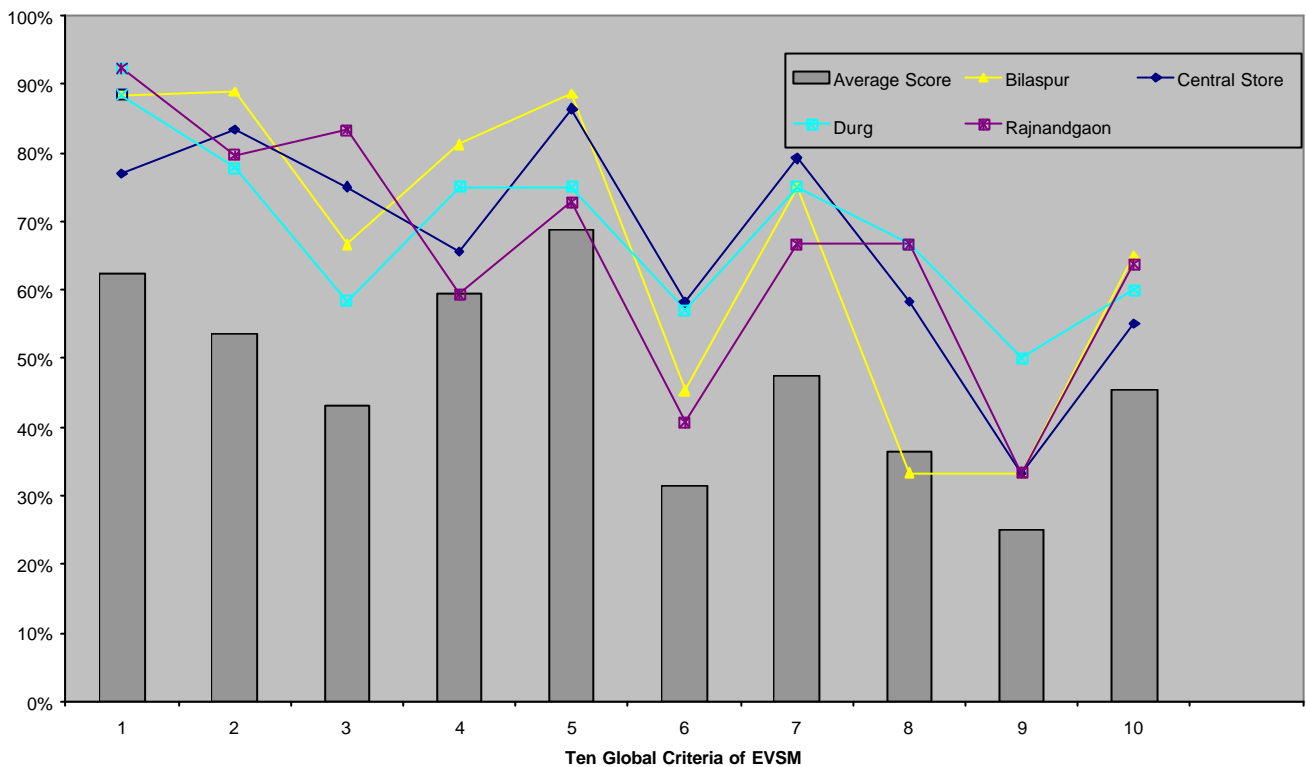
Seven district stores, namely Raigarh, Sarguja, Jashpur, Kawardha, Jagdalpur, Kanker and Dhamtari can be ranked as 'below average' for they suffer from several shortcomings. They do not employ proper operational procedures. Despite having dedicated and experienced staff, they fall short in terms of monitoring, proper infrastructure, and maintenance of equipment. These stores are also inefficient in vaccine inventory management.

Five district stores, namely Korba, Korea, Janjgir, Mahasamund and Dantewara are poorly managed stores and fall dismally below the required operating standards. They lack efficient manpower; the space is insufficient; and the store is not easily accessible. Further, vaccine inventory management is inefficient and equipment maintenance leaves much to be desired.

There is no or negligible monitoring of these stores and vaccine is at utmost risk. Absence of cold chain technicians partly explains the poor condition of the cold chain equipment.

The state government has requisitioned new ILRs and DFs towards replacement of CFC equipment in the state. The manufacturer has supplied the ILRs (HAIER) and the units have been issued to the districts.

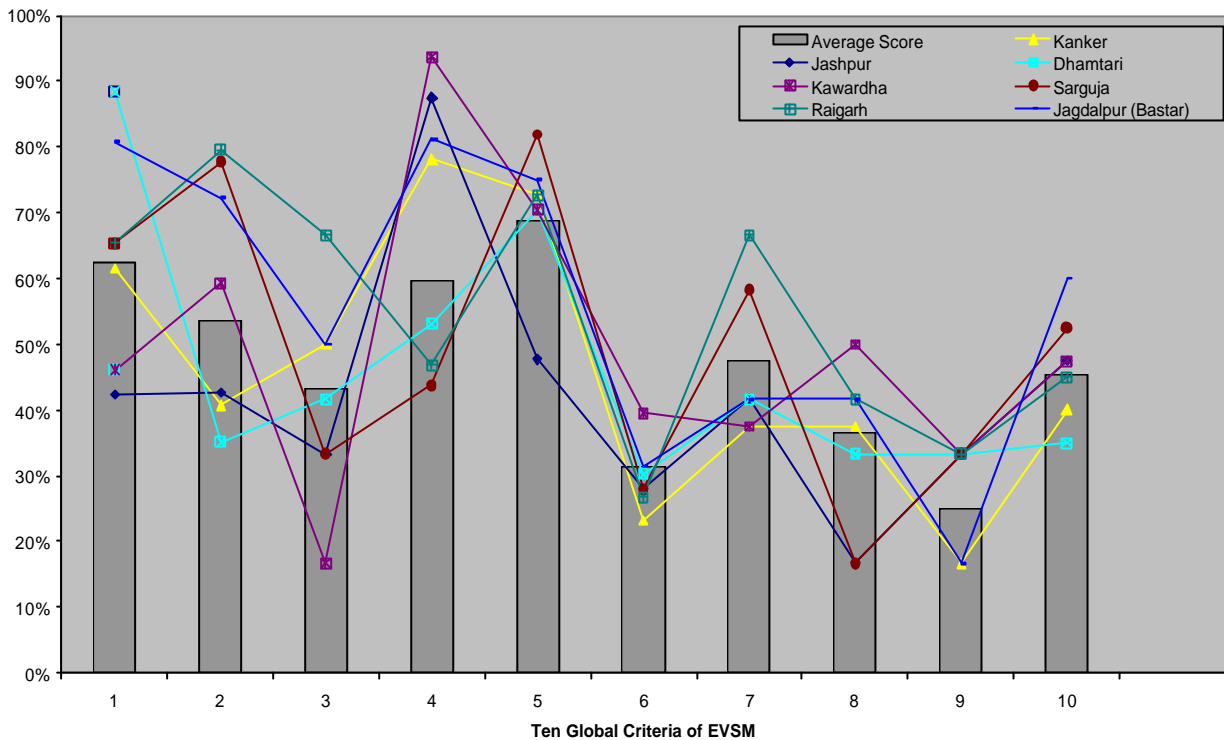
Figures 2 to 4 depict the ranking of the district stores against the ten global EVSM criteria. Figure 2 shows the best four district stores of the state; Figure 3 covers the 7 ‘below average’ stores, while Figure 4 shows the poorly maintained stores. All the graphs also compare the ranking under each criterion along with the average score of the entire state. (A detailed analysis of EVSM criteria is given in Appendix C.



**Figure 2: District stores with ‘above average’ rating**

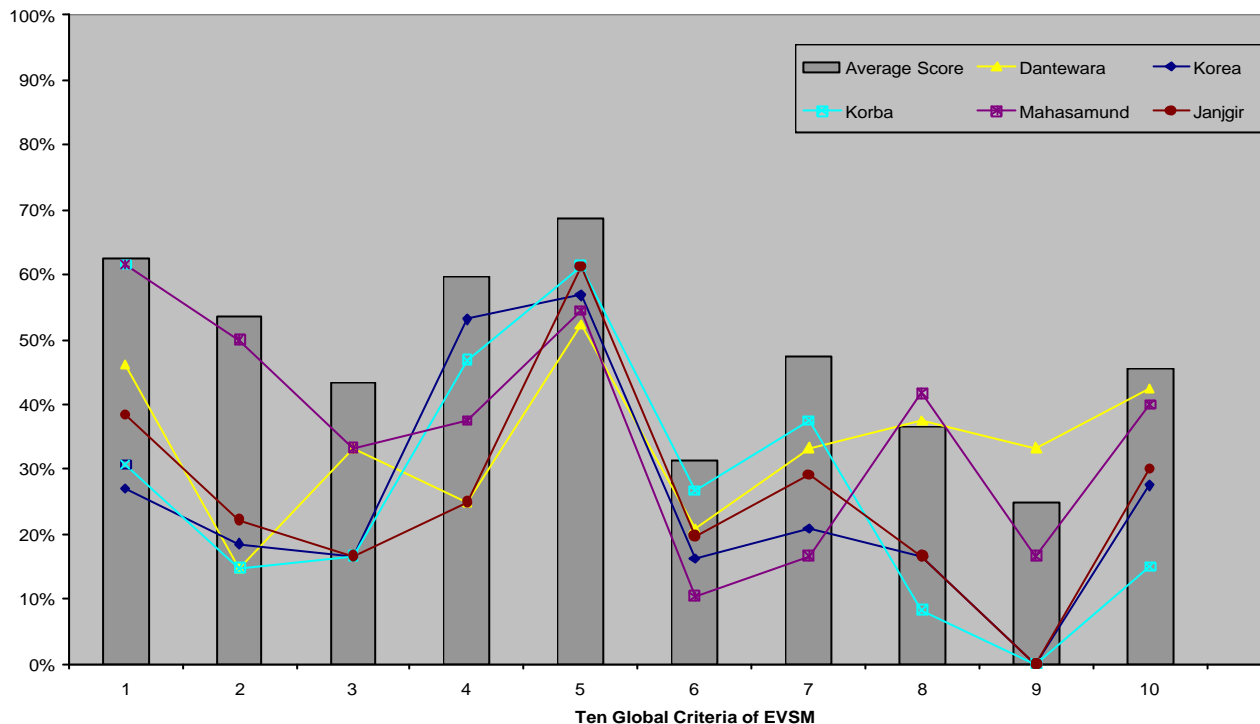


Figure 2 reveals that all the district stores fall short when it comes to vaccine inventory management (poor supply and demand schedules) for no formal standard operating procedures have been defined.



**Figure 3: District stores with 'average' rating**

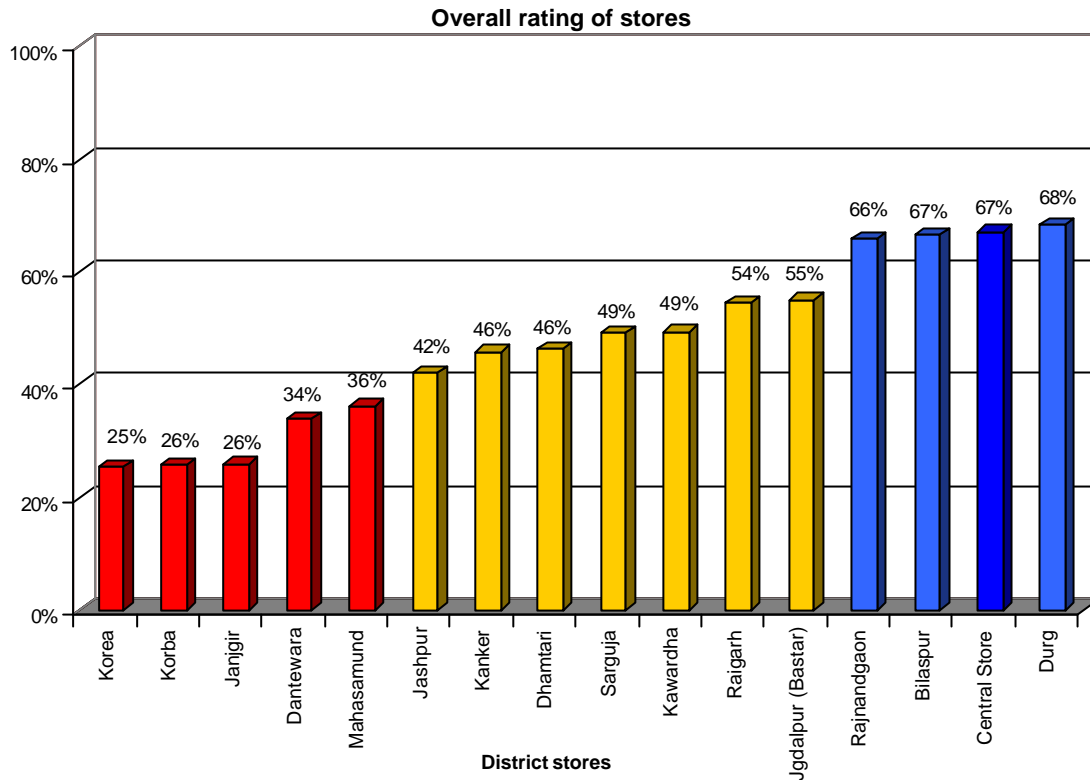
Jashpur, Kanker and Dhamtari districts fall in the 'below average' category. The reasons include shortage of staff, poor vaccine inventory management, lack of a contingency plan for emergency situations, poorly maintained store premises and lack of monitoring of the cold chain process. There is also negligible immunisation planning, which leads to inadequate stock and supply of vaccine.



**Figure 4: District stores with 'below average' rating**

All the five districts? Korba, Korea, Janjgir, Mahasamund and Dantewara—fall below the state-level average rating. The main reasons for the low ratings include untrained staff; no monitoring system in place; poor vaccine inventory management, equipment maintenance, and record keeping; improper store premises and overall lack of planning and co-ordination when it comes to immunisation.

Figure 5 offers a detailed evaluation of all the district stores against the ten EVSM criteria.



**Figure 5: Comparative analysis of stores**

The following sections detail the key findings at each district store.

### 5.2.2 Bilaspur

The Bilaspur district store has well-trained and efficient staff. The stock book is up-to-date and well-maintained, and includes details regarding expiry date and batch number. The temperature is also accurately recorded. The store rates well on the cleanliness and daily maintenance criteria. Regular equipment maintenance is also undertaken. The refrigeration mechanic delivers the vaccine to the PHCs; this appears to be a standard practice for most of the districts in the state. It allows them to undertake preventive maintenance of the refrigeration equipment within their district.

The district was allotted a WIC much before Chhattisgarh became an independent state. The WIC was installed at the Chhattisgarh Institute of Medical Science (CIMS). CMIS did not have adequate space to operate the unit. After sending several reminders/requests to the health department to shift the WIC to some other location, CMIS reported the unit 'demolished'. It needs to be noted that no part of the unit has been recovered and there is no trace of the scrap either.

The DIO actively supervises the operations at the store. The store has never encountered a stock-out situation (in spite of short supply from the central store) in the last one year.

As for maintenance, there is no stock of spares and tools; No record has been kept of equipment maintenance. The store is located around 4 km from the district hospital, and the hospital's generator is transported to the store when there are extended periods (more than 6 hrs) of power outage.

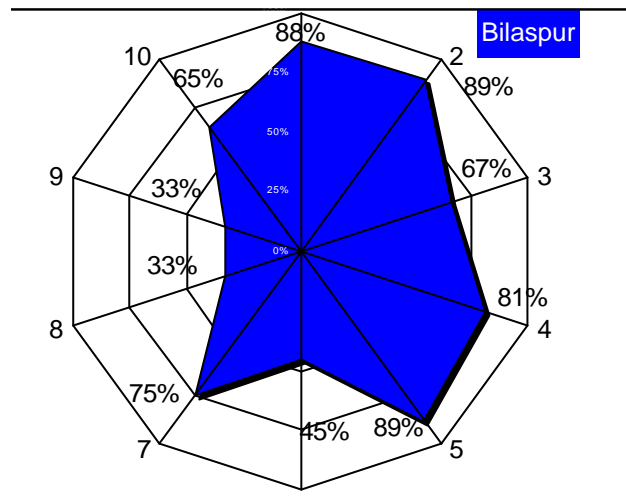


Figure 6: Bilaspur district store (average rating of 67%)

### 5.2.3 Dantewara

The Dantewara district store falls short on many counts. The record keeping is inadequate and there are mismatches between book entries and physical stocks. There is also a mismatch in the vaccine receipt entries (voucher vs. stock book).

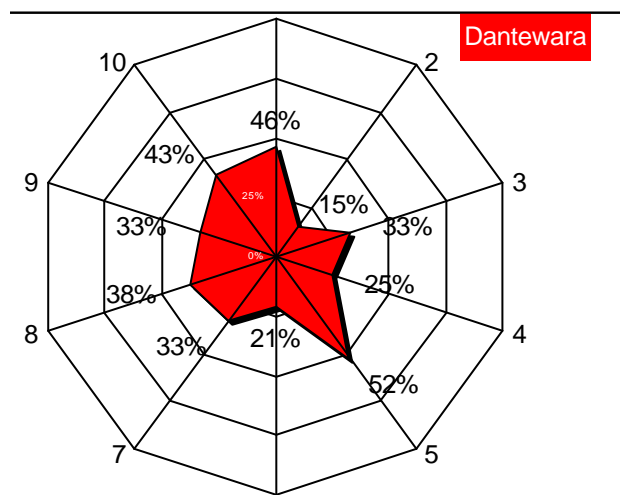


Figure 7: Dantewara store (average rating of 34%)

Temperature recording is done mechanically and the staff does not know how to read the thermometer. The staff is unaware that diluents must not be frozen and do not follow the latest order from the Ministry of Health stating that the measles vaccine should be stored in the ILR rather than the DF. In fact, the ILR operates at below zero temperatures. Equipment maintenance is poor and no defrosting is done. On closer examination, it was found that one lot of vials stocked in the ILR were past the expiry date. When it comes to equipment maintenance, there is no stock of spares and tools.

The cold chain equipment is stored in a congested and poorly ventilated room. The cold boxes are stacked outside the store and exposed to sun and rain.

The travel time from the central store to this district store is more than 20 hours, which makes transportation of vaccine a challenging task during extreme summer (in the absence of refrigerated vehicles).

This district store has no generator. The arrangements for backup power supply or an alternative location to store vaccine stocks during extended power failure are inadequate.

#### 5.2.4 Dhamtari

The store is poorly maintained and the refrigeration mechanic is solely responsible for its functioning—in his absence, there is no one to handle the store. The ILR and DF are not defrosted regularly. No spares and tools are available at the site.

The person responsible for the district store was absent on the day of the assessment though the store had been intimated in advance of the visit. Therefore, this assessment is based on information provided by the DIO and the CMO. The stock book could not be accessed since the room was locked and the keys were not available.

The store does not follow the standard procedure when it comes to issuing vaccine. The vaccine is packed in the vaccine van and delivered to each PHC based on “on-the-spot demand”. No prior requisition is sought from these PHCs and the remaining vaccine is brought back to the store. There is no feedback on the “vaccine in stock” at the PHC.

There is no power back-up in case of electricity failure.

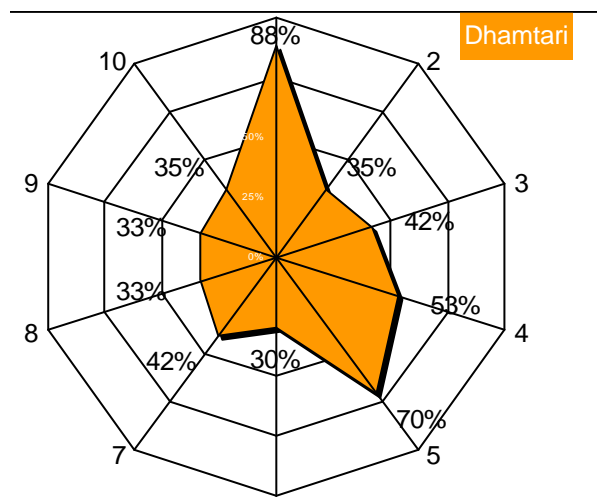


Figure 8: Dhamtari district store (average rating of 46%)

#### 5.2.5 Durg

The record books are accurately maintained and include batch and expiry details of vaccine stock. The cold chain equipment is well maintained and is periodically defrosted and cleaned. The staff handling the store is trained and knowledgeable. But the premises are unclean. There is a fairly large stock of non-functioning stabilizers, which cannot be repaired locally. The store has no power back-up facility.

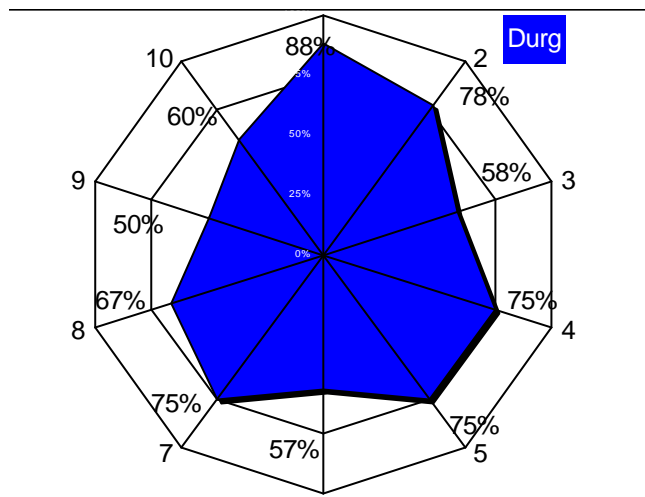


Figure 9: Durg district store (average rating of 68%)

### 5.2.6 Janjgir

The Janjgir district store needs immediate attention. The storekeeper, a Multi-Purpose Worker (MPW), though experienced, requires training in the basics of cold chain, including maintenance. The store is located in a small, damp room, and the space is insufficient.

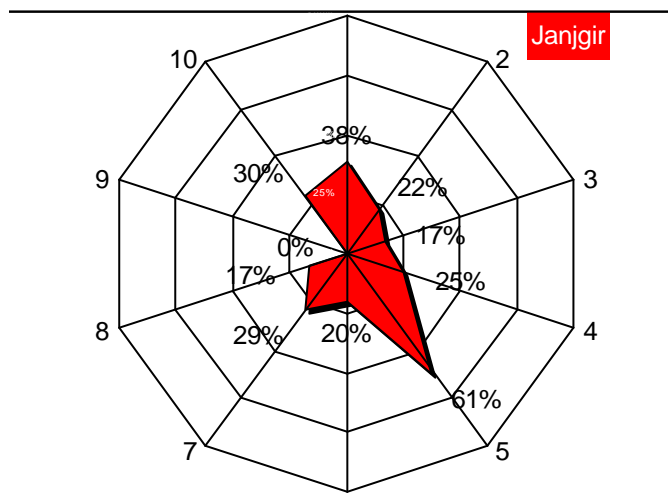


Figure 10: Janjgir district store (average rating of 26%)

The stock book has not been updated for the last two months. The expiry date and batch number are not mentioned; neither are indent challans made. The DF and ILR temperatures have not been recorded since July 2005. During the assessment, it was discovered that the ILR was defrosted without shifting the vaccine to an alternative cold chain unit and the vaccine had been stored at room temperature for four days. Further, the vaccine van had broken down and the ambulance was being used to transport vaccine from the central store.

There is no refrigeration mechanic attached to the district, and equipment repair takes a minimum of 15 to 30 days. There is no power back-up facility.

### 5.2.7 Jashpur

The stock book is accurately maintained and there is no stock mismatch. Both, the premises and the cold chain units are well maintained; and the units are defrosted periodically. The training provided to the staff, though, seems to be inadequate, since the Lady Health Volunteer (LHV) is unaware of the specific temperatures at which the vaccines should be stored. The temperature is recorded mechanically. Power supply to the site is erratic and the district hospital's generator is used in case of extended power failure.

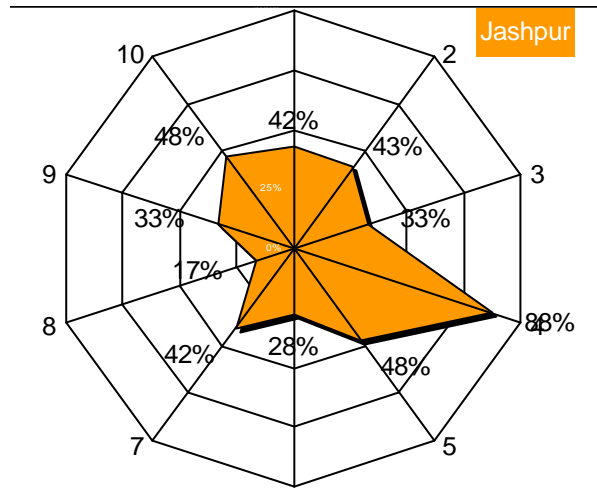


Figure 11: Jashpur district store (average rating of 42%)

There is no stock of spares or tools and the equipment has to be taken to Raipur for repairs.

### 5.2.8 Jagdalpur (Bastar)

The store is equipped with a WIC. The unit has not been operational since the last two months and maintenance records are not available. There is a shortage of thermometers. The units are not defrosted and are poorly maintained.

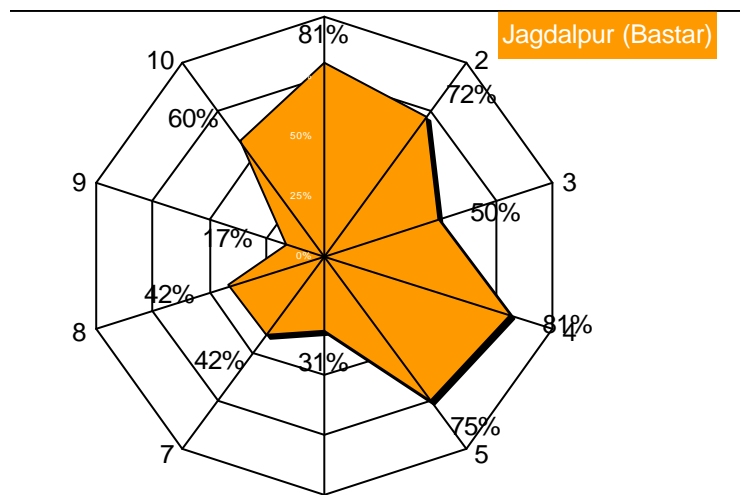


Figure 12: Jagdalpur district store (average rating of 55%)

The store has many dismantled compressors, which suggests that the technician has 'toyed' with repairing the faulty machines. The tools and spares are well maintained. The store is overstocked with compressors—more than 42 units. The source of these compressors was not

satisfactorily explained by the staff. There seems to be some discrepancy here, with the machines being maintained poorly and yet a large volume of repair tools being available.

The store rates positively when it comes to ventilation and adequate space and experienced staff; though considerable improvements can be made in maintaining cleaner surroundings.

There are two generators as power back-up, but neither of them is operational. Further, the generator is not easily accessible.

### 5.2.9 Kawardha

The LHV is the vaccine store in-charge. Units are defrosted and cleaned regularly. The DHQ and the Block PHC stocks are stored in the same room and handled by one person. Since stock registers are not properly maintained, stock cannot be verified (physical vs. books) and therefore there is no clarity as to what stocks belong to the district store and what to the PHC.

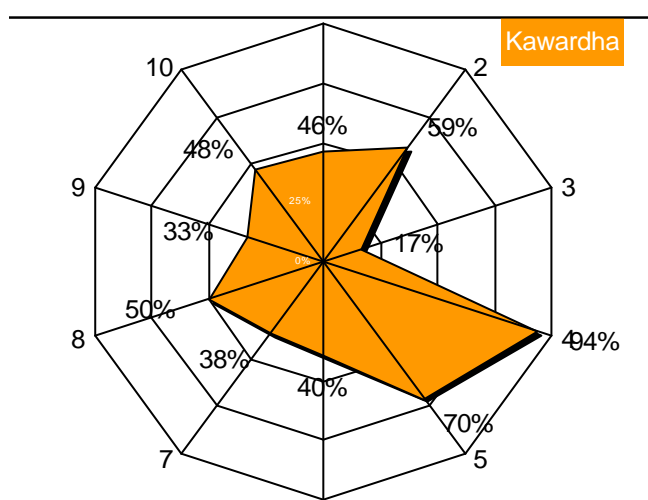


Figure 13: Kawardha district store (average rating of 49%)

Indents are prepared on loose sheets and not filed properly and no record is maintained of stock received; how much the supplies fall short by; etc. No tools and spares are available at the site. The maintenance records are written on loose slips of paper, and do not indicate response-time to repair the equipment. The cold chain maintenance budget has been utilised to rectify the wiring of the building. No power back-up is available in case of power failure.

### 5.2.10 Kanker

The Kanker district store does not function efficiently. The stock book entries and the physical quantities do not tally and indent challans are not maintained. No temperature records are available for the period before November 2005. Sometimes fewer ice-packs than what is recommended are placed in the cold boxes to accommodate larger quantities of vaccine (due to shortage of cold boxes present on site during shipment or during campaigns). Thermacol boxes are also used sometimes to transport the vaccine. Once the vaccines arrive at the district store, it is not shifted into the ILR/DF immediately; it is shifted only the next day or as and when the staff is available at the store, normally during office hours. The T-series vaccine vials are stored at the bottom of the ILR, without the trays. The storekeeper sits half a kilometre away in the CMO's office, and visits the store only to issue and receive vaccine. There is no power back-up at the store.



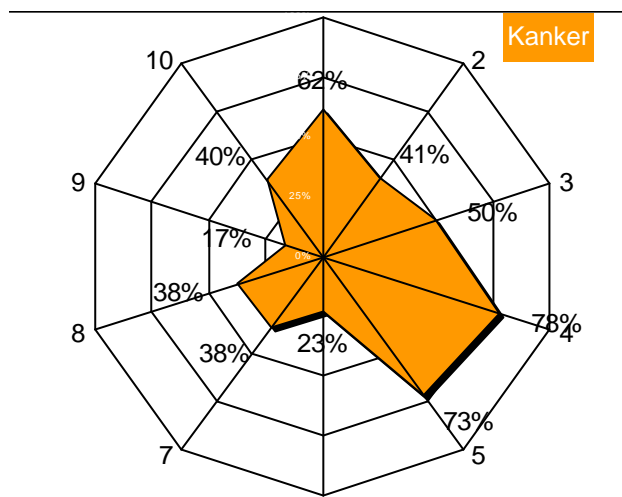


Figure 14: Kanker district store (average rating of 46%)

### 5.2.11 Korba

A matter of immediate concern is that there is no dedicated staff appointed to the store. The store is managed by the Reproductive and Child Health (RCH) staff. The storeroom is located on the first floor of the hospital premises. Vaccine is collected from the central store on a monthly basis and is distributed to the PHCs en-route to Korba from Raipur on the same day. Only excess stock that is not delivered to the PHCs is brought to the store. The functioning of this district store, too, is unsatisfactory. Vaccine supplies often fall short of the demand. The stock book entries do not match with the actual quantities stocked. The expiry date and batch number details are not noted down. The temperature records are not maintained. During the assessment it was observed that the units had not been defrosted and layers of ice were visible. Further no refrigeration mechanic attached to the district; neither is there any stock of spares. The store also lacks a power back-up facility.

On the plus side, the vaccine van is in good condition.

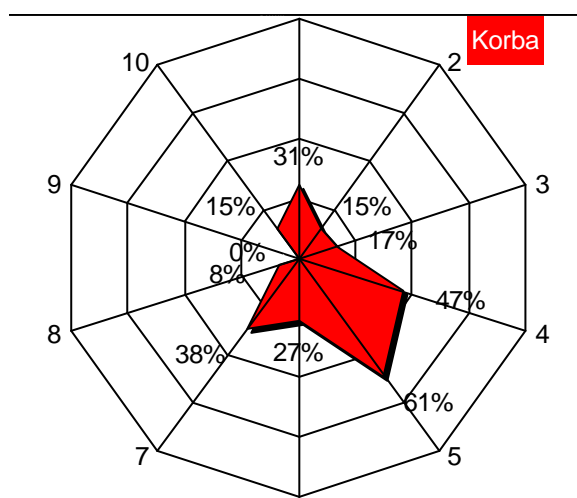


Figure 15: Korba district store (average rating of 26%)

### 5.2.12 Korea

The situation at this district store is alarming as it is handled by untrained staff. The store is mismanaged when it come to stocks, temperature reading, and equipment maintenance. The PHCs' vaccine stock is also kept at the district store and cannot be distinguished from the store's own stocks. The LHV managing the store cannot read the thermometer. Equipment is not defrosted. The vaccine van is in a poor condition and breaks down frequently. The PHC minibus is used as contingency transport. The store is very small and the premises are poorly maintained. The T-series vaccine is transported in a carton packed with ice packs (gel) for a travel time of 10-15 hours by road.

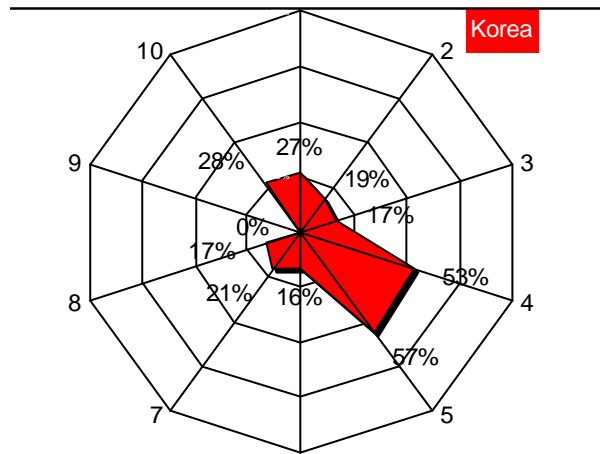


Figure 16: Korea district store (average rating of 25%)

There is no stock of spares and tools, and equipment is repaired by the local mechanic. There is no record of equipment maintenance. The store uses the district hospital's generator in the case of extended power failure.

### 5.2.13 Mahasamund

There is no dedicated storekeeper or refrigeration mechanic at the district store. The store is handled by the LHV, who brings the vaccine from Raipur and has it delivered to the entire block PHCs the very next day. According to her, the ice packs are changed after receiving the cold boxes from the central store before the vaccine is despatched to the PHCs. The store does not stock vaccine though the units are defrosted and maintained reasonably well.

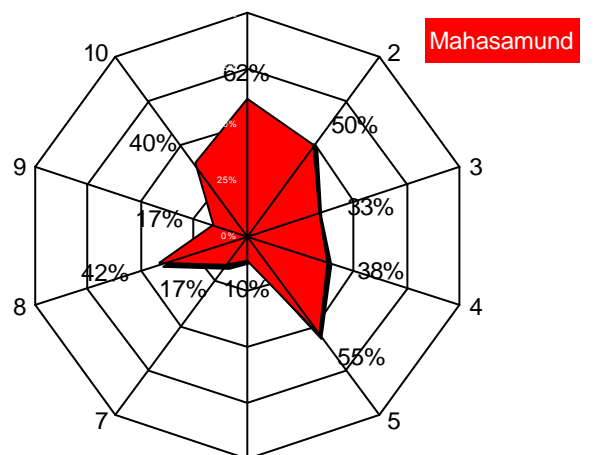


Figure 17: Mahasamund district store (average rating of 36%)

The negative aspects include the following: The store cannot be locked; neither can the ILRs and the DFs. Around 1500 doses of damaged DPT (frozen) vaccine were found in the store, which had not been accounted for in the stock book. The vials had apparently been received from the Pithora PHC. (At the time of the assessment, the cold chain units at the Pithora PHC had been functioning without thermometers for more than three months.) Also some stock issued to the Mahasamund block was stored here. The batch number and quantity of vaccine did not match with the stock book entries.

It is alarming to note that the Bagh Bahara block PHC reuses the disposable syringes.

Seven new ILRs were issued from the central store to this district store, but only five have been allocated to the PHCs and picked up by them; they are yet to be installed at the sites. None of the units have thermometers. Further, no refrigeration mechanic is attached to the district store. For any repairs, the equipment has to be taken to Raipur and repaired at some local workshop. No power back-up facility is available.

### 5.2.14 Raigarh

The DIO sits in the store. The stock book is regularly maintained, but there are stock mismatches. The staff is aware that the measles vaccines should be stored in the ILR. But BCG vaccine wastage is fairly high. There was no stock of DPT vaccine as there was no supply from the central store.

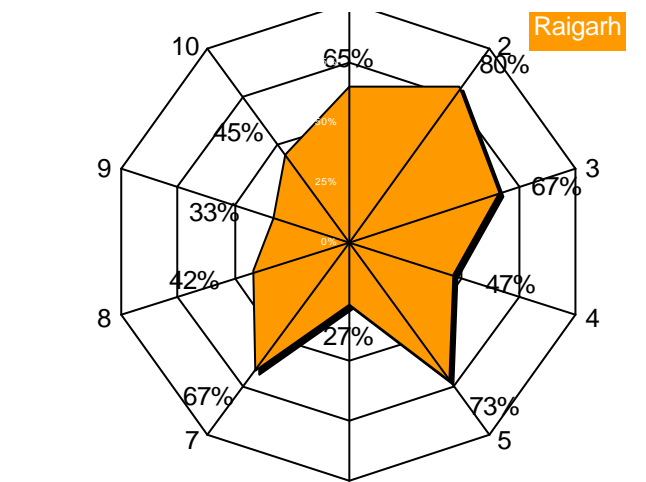


Figure 18: Raigarh district store (average rating of 54%)

Equipment is defrosted once in three months, which is inadequate. The cold chain capacity at the site is adequate. There is no refrigeration mechanic attached to the store and no stock of spares. The site also lacks a power back-up facility.

### 5.2.15 Rajnandgaon

The records at the store are neatly maintained (but not up-to-date). Equipment maintenance is good and the units are defrosted and cleaned periodically.

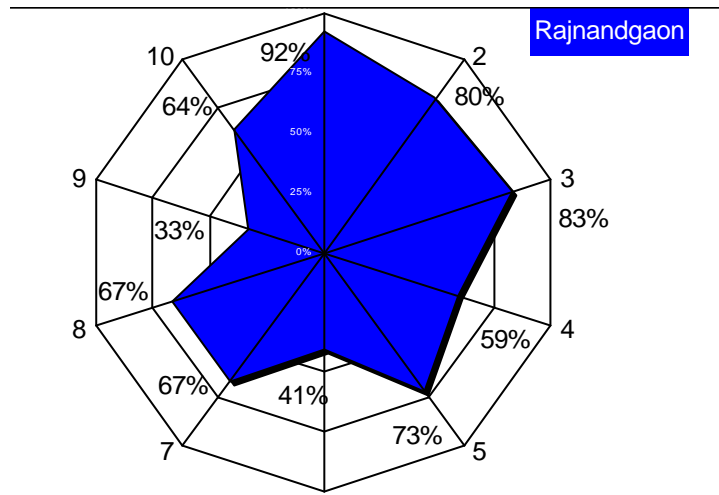


Figure 19: Rajnandgaon district store (average rating of 66%)

The site has some stock of spares and tools, but they are inadequate. Vaccine supply is not tracked to determine which are the vaccines that are in short supply. Further, the site has no power back-up.

### 5.2.16 Sarguja

The store is located on the first floor of the district hospital premises and is congested. A refrigeration mechanic is attached to the store, who maintains the units at the store and the PHCs. The maintenance response-time is more than four days and the repair request is usually mailed to the technician at the district store. The operational status of the equipment is not recorded after the equipment has been serviced.

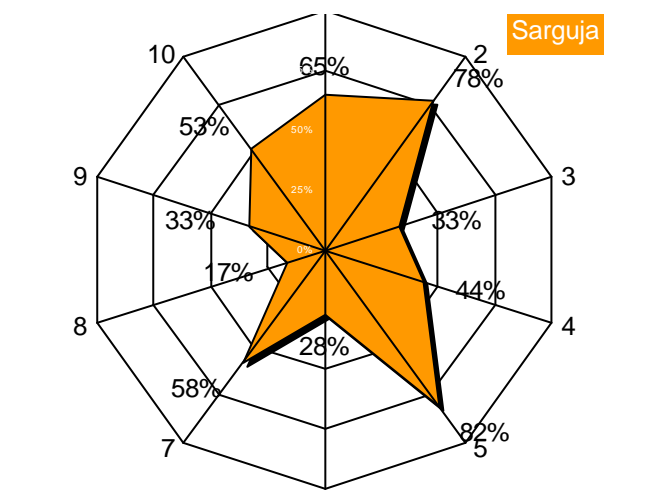


Figure 20: Sarguja district store (average rating of 49%)

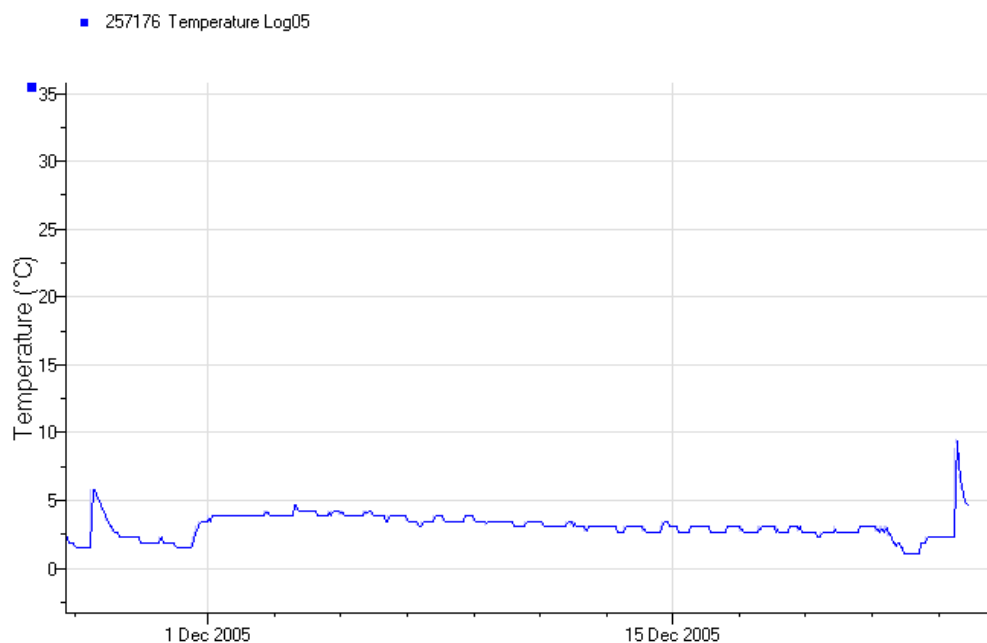
Temperature records are well maintained. The vaccine is stacked as per instructions and arranged according to the batch numbers and EEFO is followed. The stock of spares is insufficient, and sometimes parts of those units which are beyond repair are used. The store has a vaccine van and a stand-by vehicle.

The power supply is poor and the district store has asked for a generator, as it presently does not have a generator.

The T-series vaccine is transported in a carton with ice packs (gel) from central store. There is a plan to shift the store to a new place closer to the CMO's office. Stock mismatch was found at the site (physical vs. books).

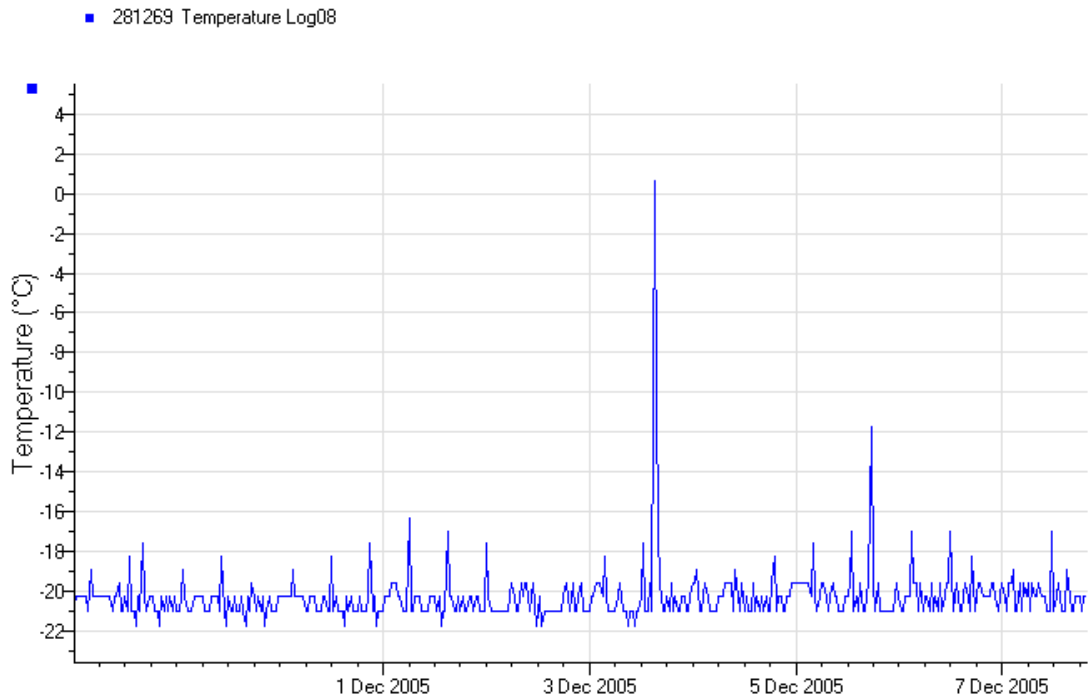
### 5.2.17 Power situation and temperature maintenance

The Sarguja district store has reported long hours of power shutdown in the recent past. The following graphs record the temperature recording from nine district stores (logger was placed in the ILR) namely Kawardha, Kanker, Korba, Jashpur, Sarguja, Dhamtari, Dantewara, Jagdalpur and Bilaspur. The temperature readings were obtained by placing the TinyTalk data logger in the ILR next to the DPT vaccine. The loggers were set to record the temperature every thirty minutes. One data logger was placed in the WIF in Raipur. The graphs reveal the consistency of the power supply during the one-month review period. The graphs have been further explained.

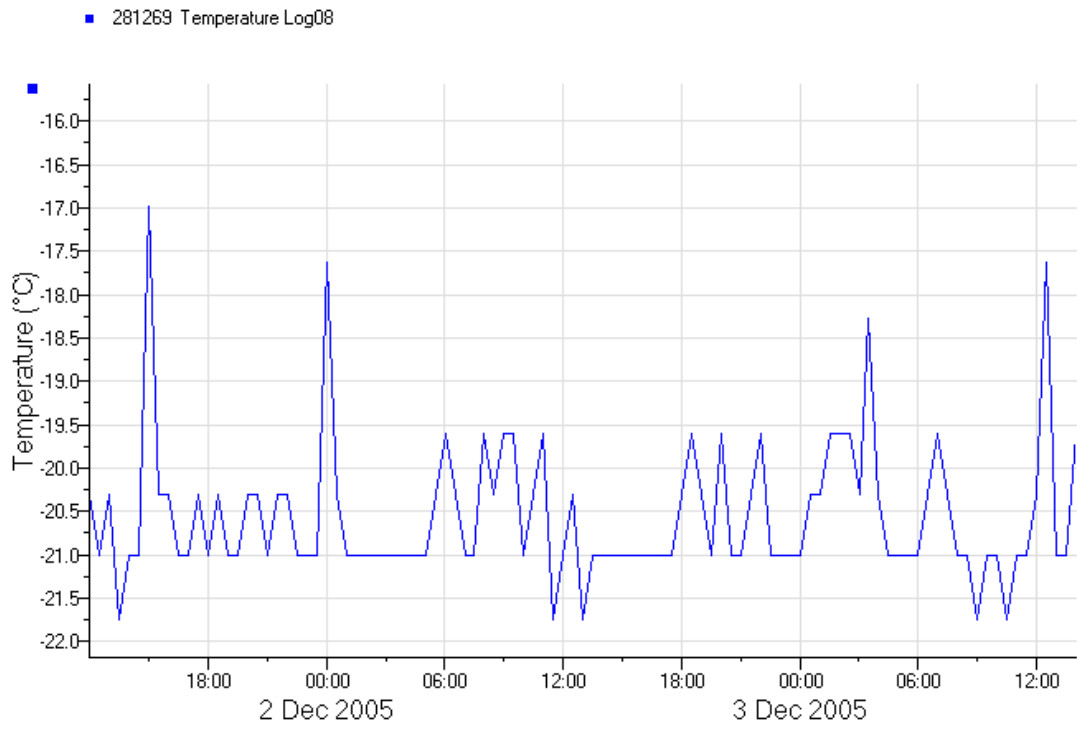


**Figure 21: Kawardha District store: Data from ILR (Placed next to DPT vaccine)**

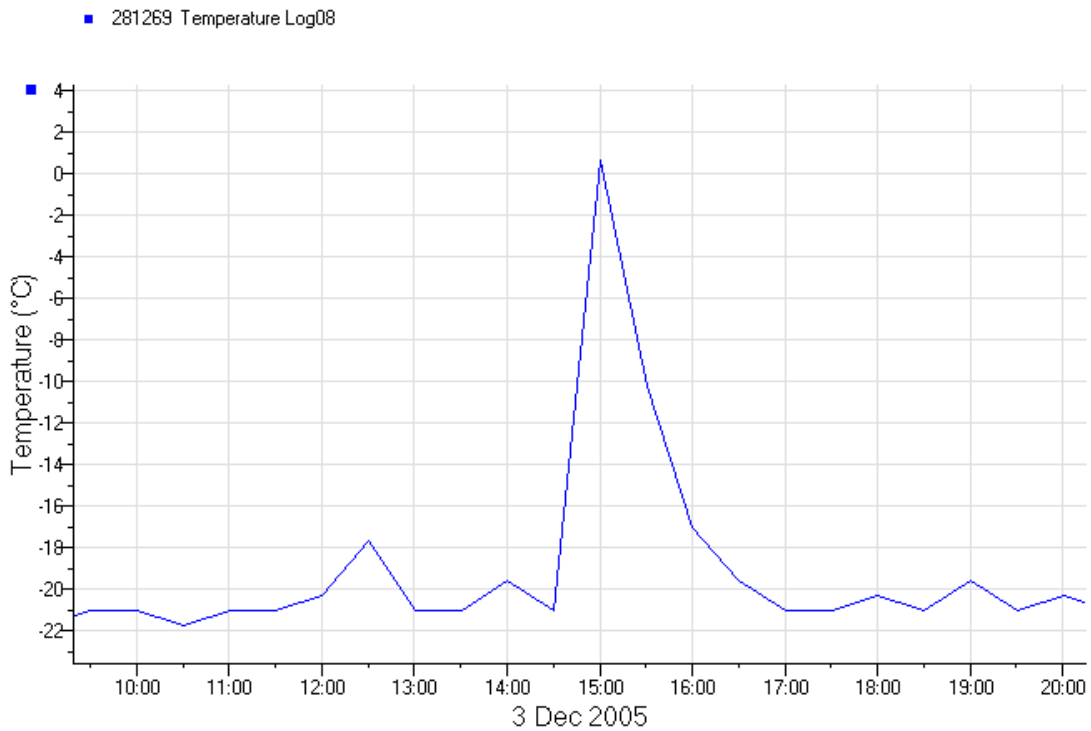
The cold chain equipment at Kawardha district store is maintained at fairly consistent temperatures, well within the standard norms. The power supply also appears to be adequate.



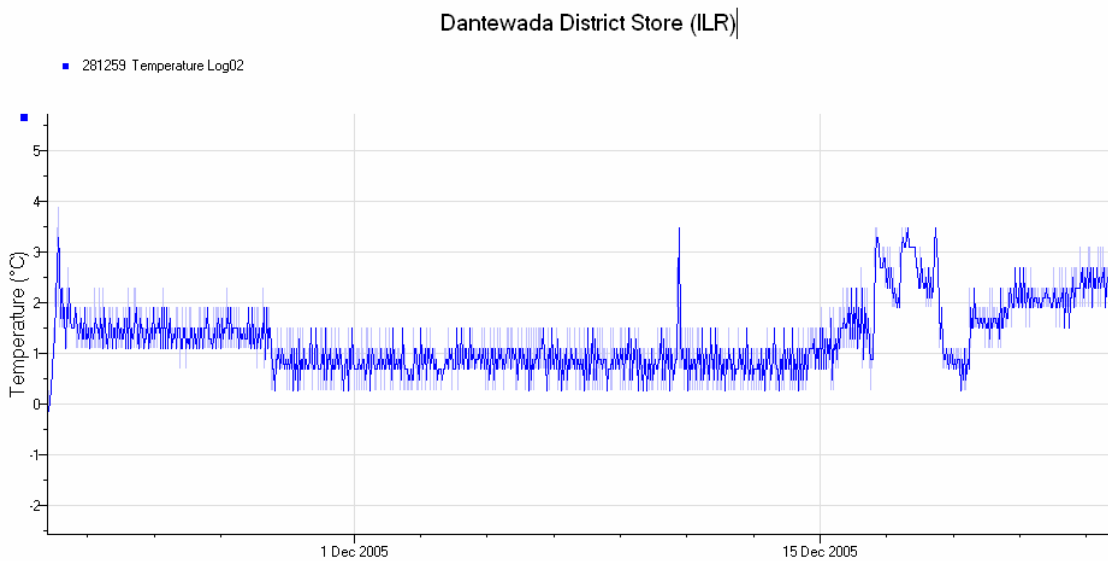
**Figure 22: Raipur central store: Data from WIF  
(Logger placed on central shelf in the centre of the room)**



**Figure 23: Raipur central store: Data from WIF (zoomed in)**

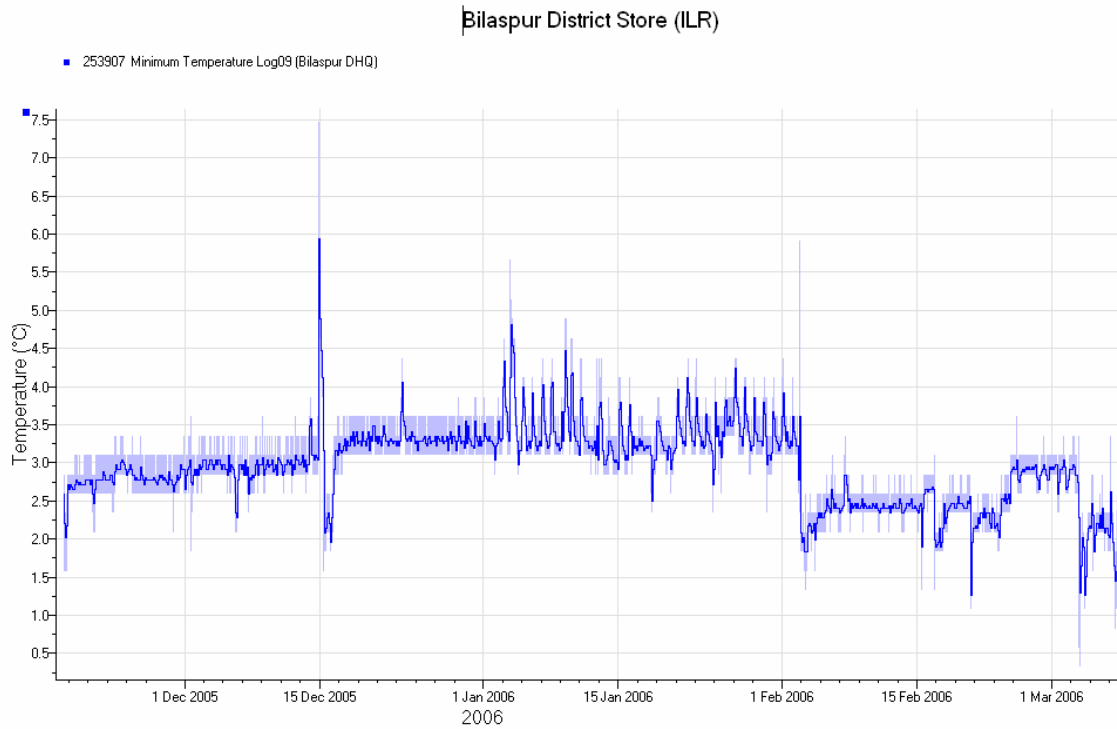


**Figure 24: Raipur central store: Data from WIF (single occasion of temperature shooting up for 2 hrs)**



**Figure 25: Dantewara District store (ILR)**

Temperature data from the Dantewara district store reveals an alarming situation, with temperatures falling below the standard norms of 2 to 8° C. This was however corrected towards the end of the review period, possibly through the relocation of the data logger or resetting of the thermostat. Risk of freezing the T series vaccine is however extremely high.



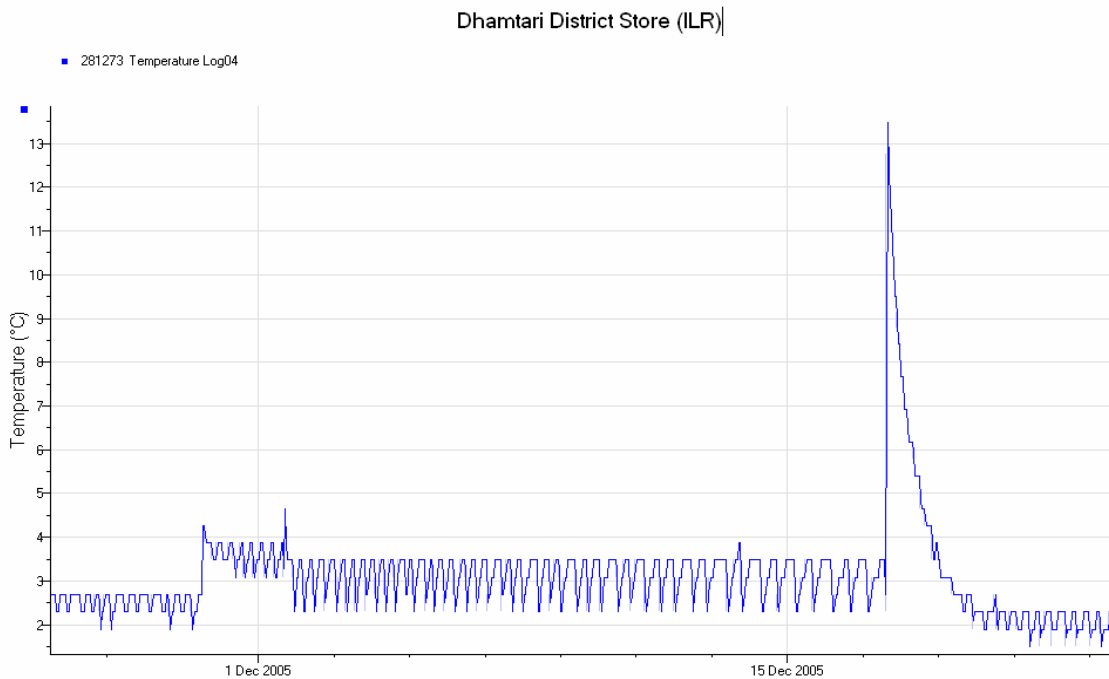
**Figure 26: Bilaspur District Store (ILR)**

The Bilaspur district store temperature readings show that the ILR has performed consistently and that power supply is adequate. The data logger is placed in the ILR and has good data storage capacity; it continued to record data till 5 March 2006. The temperature patterns dropped down to between 2.5° C and 1.5° C. This could be due to the relocation of the data logger to the bottom shelf of the ILR.



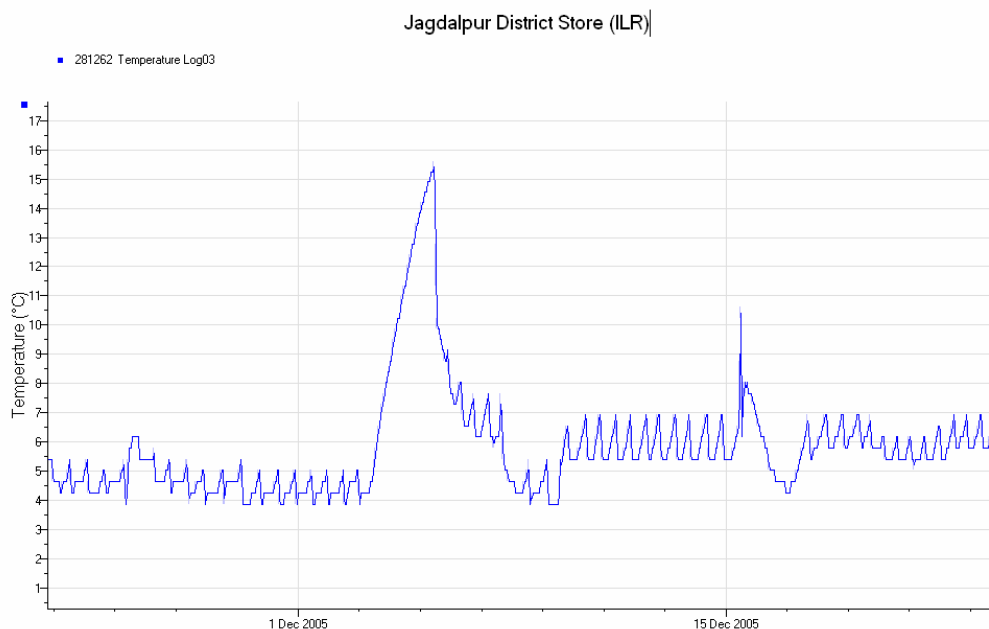
**Figure 27: Bilaspur District Store (ILR) (zoomed in)**





**Figure 28: Dhamtari District Store (ILR)**

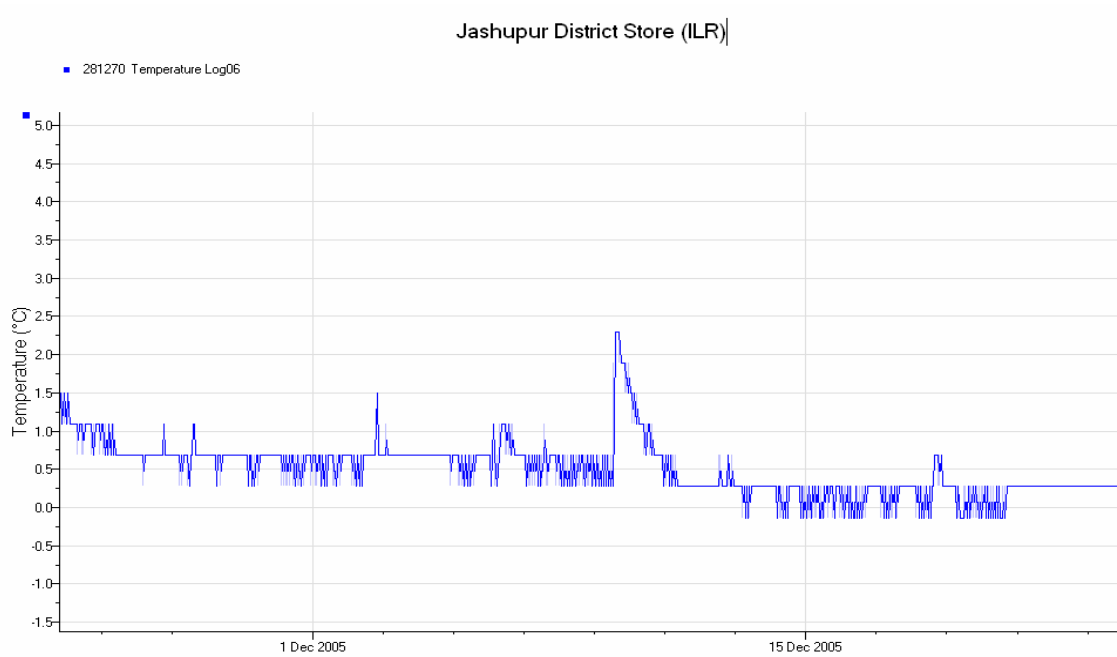
The temperature recordings of the Dhamtari district store suggest a possible power failure towards 18 December 2005. The pattern is otherwise normal, except that the location of the data logger might have been changed or the thermostat setting was modified several times during the review. The pattern of the last five days reveals an alarming situation, when the temperature within the unit dropped below 2 ° C. Again such patterns reveal how critical the location of vaccine within the ILR is.



**Figure 29: Jagdalpur District Store (ILR)**

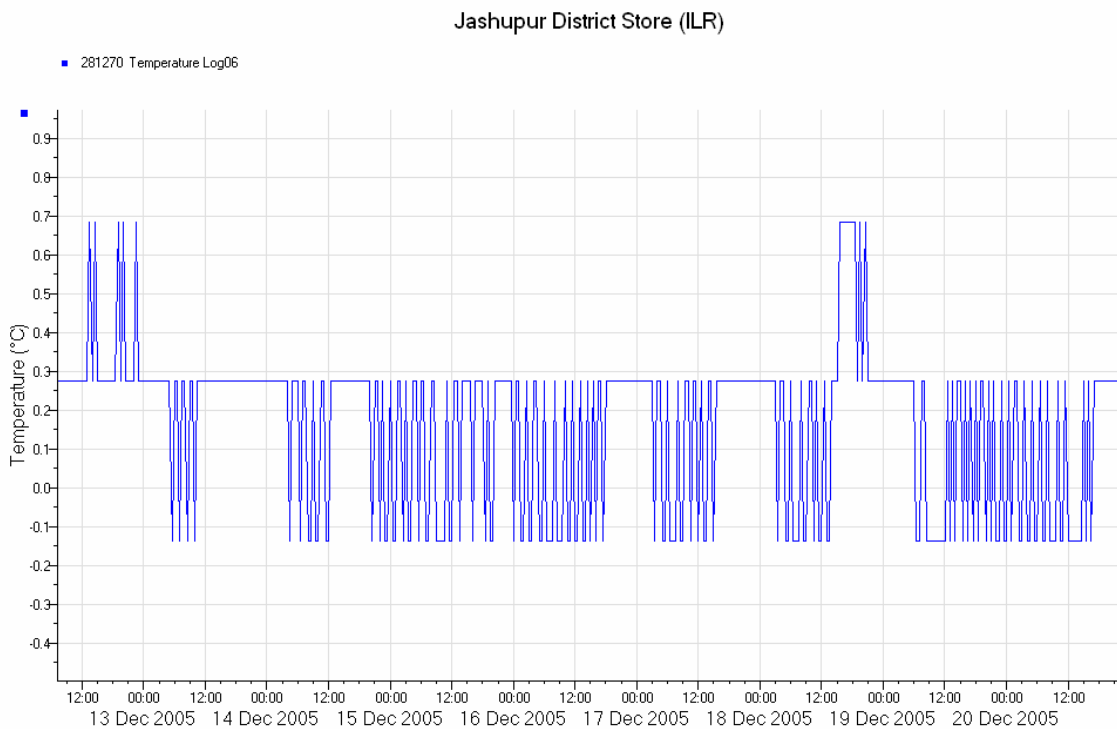
The Jagdalpur district store readings reveal that the thermostat setting was correct. However, there were two occasions when the temperature shot up to 15 ° C and 10 ° C respectively.

The first occurrence suggests a power failure for about two days. The second occurrence could be due to the removal of the data logger from the ILR temporarily.



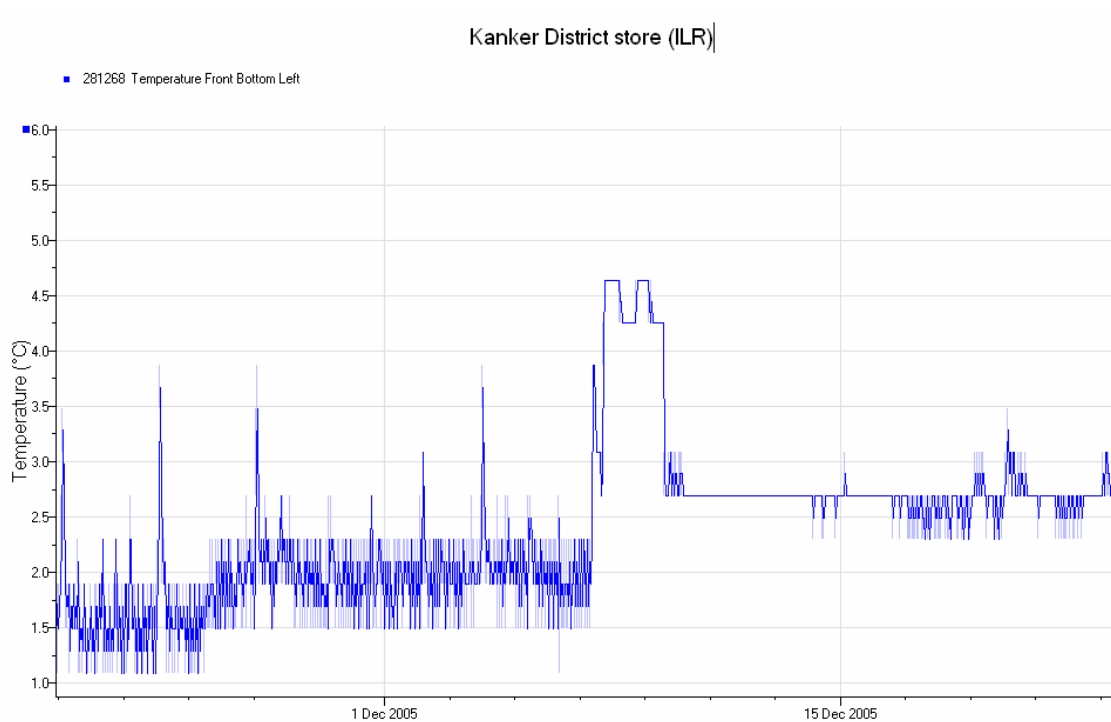
**Figure 30: Jashpur District Store (ILR)**

The Jashpur district store temperature readings show two patterns. The first pattern for about 15 days shows the temperature dropping down to 0.25 ° C from 0.5 ° C. This indicates incorrect setting of the thermostat. The second pattern reveals that the temperature dropped below 0 Deg C; Figure 31 zooms in on the pattern to explore it a little more closely.



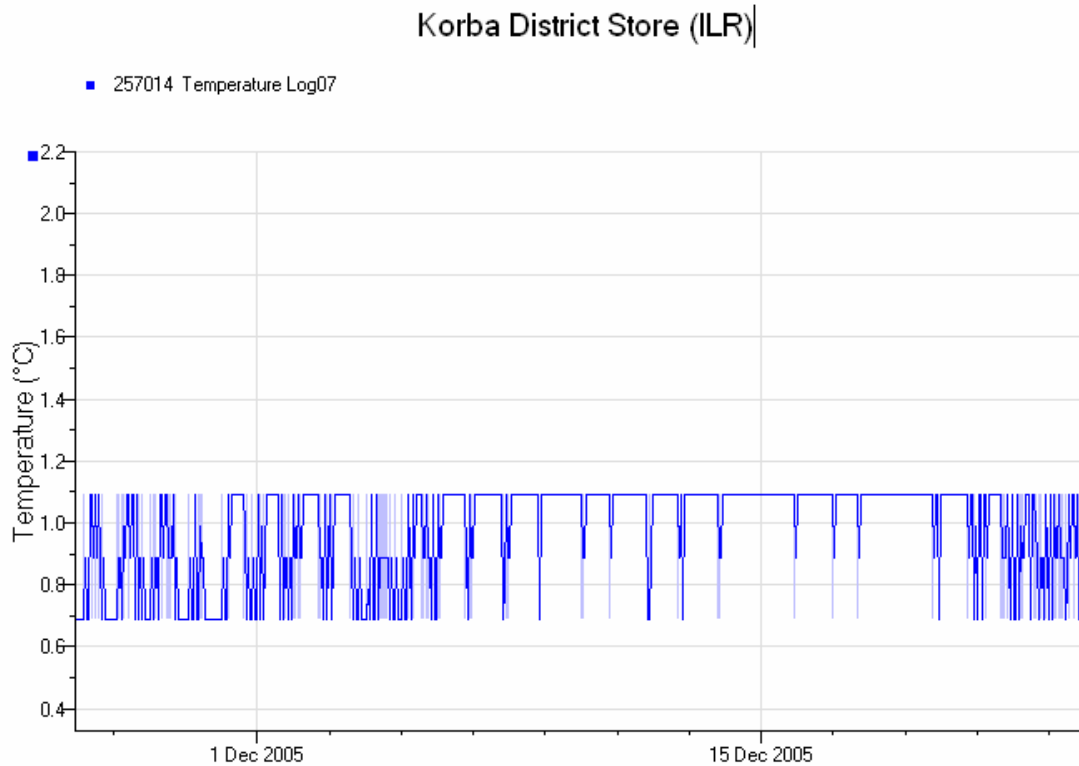
**Figure 31: Jashpur District Store (ILR): zoomed in data of alarming situation**

The readings of Jashpur district store in Figure 31 reveal an alarming situation as the temperature has been constantly dropping below 0°C. This indicates that the T series vaccine stock has been exposed to the risk of freezing.



**Figure 32: Kanker District Store (ILR)**

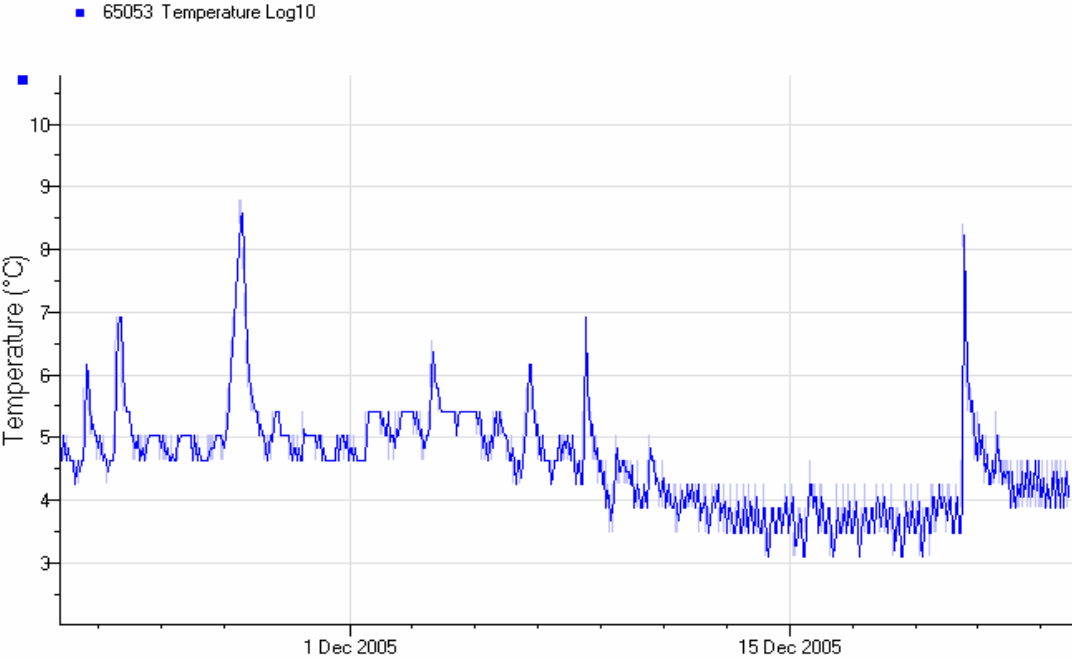
The Kanker temperature data reveals that either the location of the data logger was changed and it was moved to the top shelf of the ILR after 15 days or the thermostat was reset to operate between 2 ° C to 8° C. In either case, the first half of the graph suggests that the temperature dipped to 1° C for a period of 15 days.



**Figure 33: Korba District Store (ILR)**

The Korba district store temperature reading is consistently below the recommended norms of 2 ° C to 8 ° C. Interviews with the staff also revealed that the unit has not been opened for one month. This confirms that the site does not store and supply vaccine to the PHCs on a regular basis. Instead vaccine is delivered directly to the PHCs en route from the Raipur central store to the district store.

### Sarguja District Store (ILR)



**Figure 34: Sarguja District Store (ILR)**

The temperature reading shows consistency of power supply in Sarguja district store. Also the equipment is operating efficiently.

## 6. QUANTITATIVE ANALYSIS OF SITE ASSESSMENT

The 12 technicians were provided with assessment forms (see appendix A), which were filled after assessing the site and interviewing the staff. Technicians were advised to get each PHC form attested and countersigned by the designated authority. In most of the cases, the forms were signed by the MOiC at the site.

The data analysis has been done based on the data collected through these forms. (A copy of the forms can be submitted to UNICEF on request.)

Totally, 517 PHCs were sanctioned in the state, out of which about 420 PHCs are fully operational. The Government of Chhattisgarh has sanctioned an additional 200 PHCs, which would be operational in three years' time. According to government sources<sup>ii</sup>, there are 145 CHCs in the state. Totally, 419 PHCs and 139 CHCs were assessed by the technicians<sup>iii</sup>. Most of the CHCs are equipped with at least one DF and one ILR. 197 PHCs do not have any equipment at all. 293 sites that have not been assessed were reported to have no cold chain equipment. Most of the PHCs that have not been assessed are not operational and located in temporary premises. Appendix U lists out name of PHCs where cold chain equipment is not available.

**Table 2: Information related to assessed sites**

Description	Numbers
Total number of CHCs in Chhattisgarh	145
Total number of PHCs in Chhattisgarh	712
Number of CHCs visited by technicians	139
Number of PHCs visited by technicians	419
Number of ILRs at sites other than district and central store	726
(net operational)	634
(net not operational)	37
(net beyond repair)	55
Number of DFs at sites other than district and central stores	544
(net operational)	467
(net not operational)	35
(net beyond repair)	42

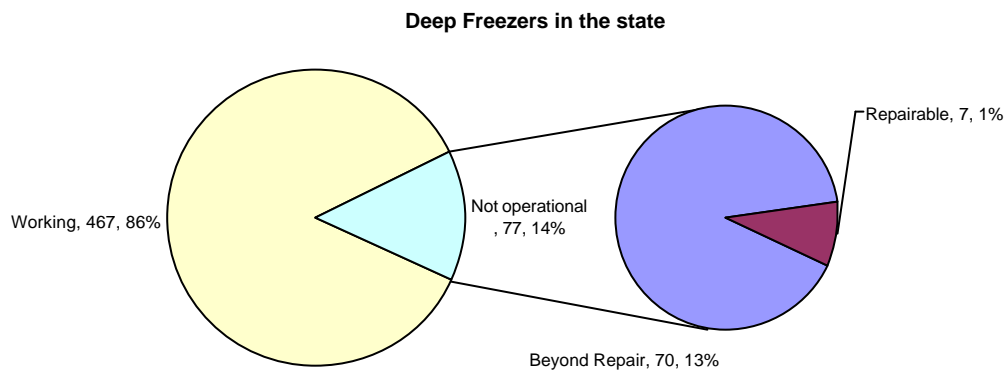
Appendix D lists out all the sites that were assessed.

## 7. ELECTRICAL COLD CHAIN INVENTORY

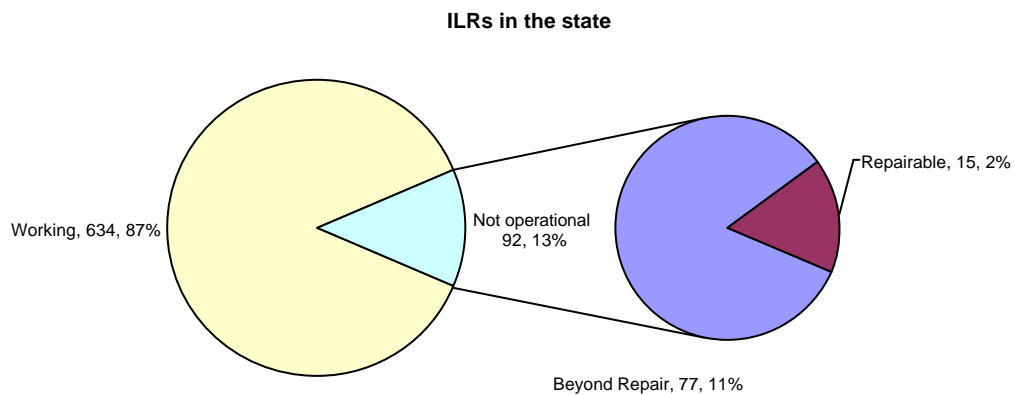
The data collected from the survey reveals that there are totally 96 large DFs and 448 small DFs in the state, of which 86% of the small DFs and 84% of the large DFs are operational. There are 75 large ILRs and 651 small ILRs in the state, of which 76% and 89% respectively are operational. (See Table 3)

**Table 3: State-level summary of number of electrical units**

Status of equipment	Deep Freezer			Ice-Lined Refrigerator		
	Large	Small	Total	Large	Small	Total
	Number of units					
Beyond Repair	5	37	42	10	45	55
Not Working	10	25	35	8	29	37
Working	81	386	467	57	577	634
<b>Grand Total</b>	<b>96</b>	<b>448</b>	<b>544</b>	<b>75</b>	<b>651</b>	<b>726</b>



**Figure 35: Operational status of DF in the state**



**Figure 36: Operational status of ILRs in the state**

Now let's us examine the data in terms of the allocation of equipment at the different levels of the cold chain. There is an operational WIF and WIC at the Raipur Central store. There is one WIC, which is non-operational, at the Jagdalpur district store. Totally, there are 92 DFs and 130 ILRs at the 16 district stores of Chhattisgarh, of which, 66% of the DFs and 75% of the ILRs are operational. The inventory of refrigeration units at the district stores has been summarised in Table 4. (A detailed list of the equipment installed at the district stores is available in Appendix E.)

**Table 4: Summary of refrigeration units at district stores**

District	Deep Freezer									Ice-Lined Refrigerator								
	Large				Small				Total	Large				Small				Total
	Beyond Repair	Not Working	Working	Total	Beyond Repair	Not Working	Working	Total		Beyond Repair	Not Working	Working	Total	Beyond Repair	Not Working	Working	Total	
Bastar		1	5	6		3		3	9		3	2	5			2	2	7
Bilaspur			6	6			1	1	7			3	3			4	4	7
Dantewara			2	2		3	1	4	6		1	3	4	1	3	20	24	28
Dhamtari		1	1	2	1	1	2	4	6			2	2		2	2	4	6
Durg			4	4					4			5	5			4	4	9
Janjgir			2	2					2			1	1			1	1	2
Jashpur			3	3	1			1	4			1	1			4	4	5
Kanker			1	1	3		2	5	6			2	2	1		2	3	5
Kawardha			2	2					2			1	1			1	1	2
Korba		1	1	2			1	1	3			1	1			4	4	5
Korea		1		1	1	1	3	5	6	1			1			4	4	5
Mahasamund																1	1	1
Raigarh		1	3	4			4	4	8			2	2		1	7	8	10
Raipur	1		7	8			3	3	11			6	6			2	2	8
Rajnandgaon	3		2	5	5	2		7	12	1		2	3	11		2	13	16
Sarguja			2	2	1		3	4	6			3	3	7		4	11	14
<b>Grand Total</b>	<b>4</b>	<b>5</b>	<b>41</b>	<b>50</b>	<b>12</b>	<b>10</b>	<b>20</b>	<b>42</b>	<b>92</b>	<b>2</b>	<b>4</b>	<b>34</b>	<b>40</b>	<b>20</b>	<b>6</b>	<b>64</b>	<b>90</b>	<b>130</b>

Table 5 displays the inventory and status of refrigeration units in the state summarised district-wise. Appendix F gives a detailed list of refrigeration units in the state. A summary of the equipment in terms of the type of model is enclosed in Appendix G.

**Table 5: Inventory and status of refrigeration units in the state (summarised district-wise)**

District	Total sites	Deep Freezer									Ice-lined Refrigerator								
		Large				Small				Total	Large				Small				Total
		Beyond Repair	Not Working	Working	Total	Beyond Repair	Not Working	Working	Total		Beyond Repair	Not Working	Working	Total	Beyond Repair	Not Working	Working	Total	
Bastar	43		1	9	10		6	35	41	51		4	3	7	1	7	56	64	71
Bilaspur	21			10	10		1	22	23	33			4	4		1	29	30	34



District	Total sites	Deep Freezer									Ice-lined Refrigerator								
		Large				Small					Large				Small				
		Beyond Repair	Not Working	Working	Total	Beyond Repair	Not Working	Working	Total	Total	Beyond Repair	Not Working	Working	Total	Beyond Repair	Not Working	Working	Total	Total
Dantewara	40			2	2	3	8	32	43	45		3	5	8	2	6	58	66	74
Dhamtari	15		1	2	3	1	1	11	13	16			2	2	1	3	17	21	23
Durg	63			14	14	6	2	49	57	71			6	6	7		68	75	81
Janjgir	12			4	4			14	14	18			1	1			19	19	20
Jashpur	38			4	4	2	1	15	18	22			1	1	3	1	20	24	25
Kanker	24			2	2	3		20	23	25	1		3	4	1		28	29	33
Kawardha	15			2	2			16	16	18			1	1			20	20	21
Korba	27		1	2	3			11	11	14			1	1			15	15	16
Korea	23		1	1	2	2	1	14	17	19	3		3	6	1		16	17	23
Mahasamund	21		1	1	2			14	14	16							19	19	19
Raigarh	51		1	5	6	2	1	27	30	36			2	2		5	33	38	40
Raipur	61	1	4	12	17	1	1	37	39	56			7	7		3	54	57	64
Rajnandgaon	37	4		9	13	6	2	27	35	48	1	1	3	5	11		55	66	71
Sarguja	83			2	2	11	1	42	54	56	5		15	20	18	3	70	91	111
<b>Grand Total</b>	<b>574</b>	<b>5</b>	<b>10</b>	<b>81</b>	<b>96</b>	<b>37</b>	<b>25</b>	<b>386</b>	<b>448</b>	<b>544</b>	<b>10</b>	<b>8</b>	<b>57</b>	<b>75</b>	<b>45</b>	<b>29</b>	<b>577</b>	<b>651</b>	<b>726</b>

### 7.1. Inventory based on refrigerant

An inventory of the refrigeration units based on whether the refrigerant used is CFC or CFC-free has been summarised in Table 6. Around 52% of the total equipment in the state is CFC-based. Totally, 80% of the CFC equipment is still operational, of the 20% which is not functioning 12% is beyond repair. However, 8% of the CFC equipment which can be repaired should be discarded to adhere to the Montreal Protocol and the CFC phase-out efforts in the country.

The inventory does not include the new HAIER DF procured by the state, as the delivery of these units was awaited at the time of assessment. Reportedly 304 small and 17 large new DFs have been procured under the CFC-replacement initiative in the country.

Table 6: Overall summary of CFC and CFC-free equipment in the state

Description	CFC				CFC-Free				Grand Total
	Beyond Repair	Not Working	Working	Total	Beyond Repair	Not Working	Working	Total	
	Units	Units	Units	Units	Units	Units	Units	Units	
DF Large	5	7	26	38	0	3	55	58	96
DF Small	30	21	257	308	7	4	129	140	448
ILR Large	10	5	11	26	0	3	46	49	75
ILR Small	38	17	230	285	7	12	347	366	651
WIC	0	1	1	2	0	0	0	0	2
WIF	0	0	1	1	0	0	0	0	1
<b>Grand Total</b>	<b>83</b>	<b>51</b>	<b>526</b>	<b>660</b>	<b>14</b>	<b>22</b>	<b>577</b>	<b>613</b>	<b>1273</b>

**Table 7: Summary of equipment (refrigerant-wise) at district store**

District	DF								ILR									
	CFC				CFC Free				Total	CFC				CFC Free				Total
	Beyond Repair	Not Working	Working	Total	Not Working	Working	Total	Beyond Repair		Not Working	Working	Total	Beyond Repair	Not Working	Working	Total		
Bastar		4	2	6		3	3	9		1		1		2	4	6	7	
Bilaspur			3	3		4	4	7			1	1			6	6	7	
Dantewara		2	1	3	1	2	3	6		3	2	5	1	1	21	23	28	
Dhamtari	1	1		2	1	3	4	6			1	1		2	3	5	6	
Durg			1	1		3	3	4			3	3			6	6	9	
Janjgir						2	2	2			1	1			1	1	2	
Jashpur	1			1		3	3	4							5	5	5	
Kanker	3		3	6				6	1		1	2			3	3	5	
Kawardha						2	2	2							2	2	2	
Korba			2	2	1		1	3							5	5	5	
Korea	1			1	2	3	5	6	1		1	2			3	3	5	
Mahasamund															1	1	1	
Raigarh		1	4	5		3	3	8		1	6	7			3	3	10	
Raipur	1		3	4		7	7	11							8	8	8	
Rajnandgaon	8	2		10		2	2	12	12		2	14			2	2	16	
Sarguja	1		3	4		2	2	6	7		4	11			3	3	14	
<b>Grand Total</b>	<b>16</b>	<b>10</b>	<b>22</b>	<b>48</b>	<b>5</b>	<b>39</b>	<b>44</b>	<b>92</b>	<b>21</b>	<b>5</b>	<b>22</b>	<b>48</b>	<b>1</b>	<b>5</b>	<b>76</b>	<b>82</b>	<b>130</b>	

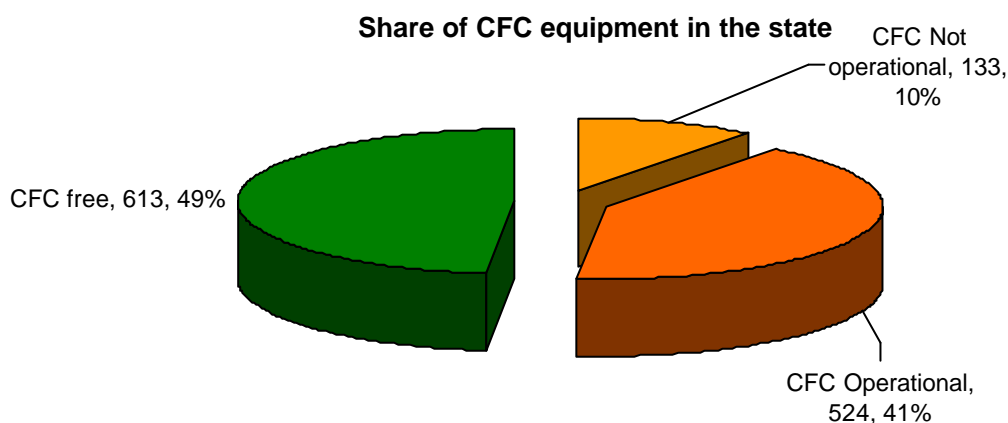
Table 8 displays the CFC and CFC-free cold chain equipment in the state, district-wise. (A detailed list of the equipment classified under model of equipment and type of refrigerant is given in Appendix H.)

**Table 8: Inventory of refrigeration units in the state district-wise and refrigerant-wise**

District	Number of sites	Ice-Lined Refrigerators							Deep Freezers						
		CFC			CFC-Free			Total	CFC			CFC-Free			total
		Beyond repair	Not working	Working	Beyond repair	Not working	Working		Beyond repair	Not working	Working	Beyond repair	Not working	Working	
Bastar	43	1	7	32		4	27	71		7	32			12	51
Bilaspur	21			11		1	22	34		1	19			13	33
Dantewara	40	1	7	27	1	2	36	74	2	7	24	1	1	10	45
Dhamtari	15	1		3		3	16	23	1	1	5		1	8	16
Durg	63	5		38	2		36	81	6	2	37			26	71
Janjgir	12			7			13	20			11			7	18
Jashpur	38	3		6		1	15	25	2		11		1	8	22

District	Number of sites	Ice-Lined Refrigerators							Deep Freezers							
		CFC			CFC-Free				Total	CFC			CFC-Free			total
		Beyond repair	Not working	Working	Beyond repair	Not working	Working	Beyond repair		Not working	Working	Beyond repair	Not working	Working		
Kanker	24	2		17			14	33	3		16			6	25	
Kawardha	15			7			14	21			9			9	18	
Korba	27			3			13	16			10		1	3	14	
Korea	23	4		8			11	23	2		6		2	9	19	
Mahasamund	21			4			15	19			8		1	7	16	
Raigarh	51		5	14			21	40	2	2	19			13	36	
Raipur	61		3	26			35	64	2	5	29			20	56	
Rainandgaon	37	12		18		1	40	71	10	2	23			13	48	
Sarguja	83	19		20	4	3	65	111	5	1	24	6		20	56	
<b>Grand Total</b>	<b>574</b>	<b>48</b>	<b>22</b>	<b>241</b>	<b>7</b>	<b>15</b>	<b>393</b>	<b>726</b>	<b>35</b>	<b>28</b>	<b>283</b>	<b>7</b>	<b>7</b>	<b>184</b>	<b>544</b>	

To summarise from the above data, 52% of the cold chain equipment in the state is CFC-based, of which 10% is not functioning and should be replaced on a priority basis.



### 7.2. New allotment

The inventory includes the newly allotted HAIER ILRs in the state. Appendix I lists out the sites where these new units have already been installed. The assessment did not cover equipment that has been allotted to a site was yet to be installed during the assessment phase. It was reported that the newly supplied HAIER ILRs do not include baskets. The performance was also stated to be poor as the machines do not maintain the recommended temperature norms. It was reported to be dropping down to 1 ° C and even dropping below zero if the thermostat was set to maximum. The hold-over time in the event of power failure was reportedly inadequate.

### 7.3. List of condemned equipment

The state totally has 97 units that are beyond repair. These units must be excluded from the inventory. It is important that these units be disposed of in a manner that would prevent release of CFC gas into the environment.<sup>4</sup> Table 9 lists the sites where these condemned units are lying).

**Table 9: List of condemned equipment in the state**

District	Site	Type	DF						ILR					
			Large			Small			Large			Small		
			CFC	CFC Free	Total	CFC	CFC Free	Total	CFC	CFC free	Total	CFC	CFC Free	Total
			Units											
Bastar	Abujhamand (Orchha)	CHC										1		1
Dantewara	Barsur	PHC				1	1							
	Bhairamgarh	CHC				1	1							
	DHQ Dantewara	DHQ										1	1	
	Katekalyan	CHC									1		1	
	Konta	CHC				1	1							
Dhamtari	Belergaon	PHC									1		1	
	DHQ Dhamtari	DHQ				1	1							
Durg	Arjunda	CHC									1		1	
	Balod	CHC				1	1							
	Berla	CHC									1		1	
	Bhilai 3	PHC				1	1				1		1	
	Bhilai sector 8	PHC										1	1	
	Dondi	CHC				1	1							
	Dondi Lohara	CHC									1		1	
	Hanoda	PHC										1	1	
	Murmunda (Dhamdha)	PHC									1		1	
	Nawagarh	CHC				1	1							
	Saja	CHC				1	1							
Jashpur	Supela	PHC				1	1							
	DHQ Jashpur	DHQ				1	1							
	Kansabel	CHC									1		1	
	Parsabaha	CHC									1		1	
Kanker	Sanna	PHC				1	1				1		1	
	DhaneliKanhar	PHC							1	1				
	DHQ Kanker	DHQ				3	3				1		1	
Korea									1	1				
	Chirmiri	PHC							1	1				
	DHQ Baikunthpur	DHQ				1	1	1	1					
	Kelhari	PHC				1	1							
Raigarh	Manendragarh	CHC							1	1	1		1	
	UFWC (HQ)	PHC				1	1							

<sup>4</sup> Ozone Depleting Substances (Regulation) Rules, 2000, <http://www.nls.ac.in/CEERA/ceerafeb04/html/documents/ozone.htm>

District	Site	Type	DF						ILR					
			Large			Small			Large			Small		
			CFC	CFC Free	Total	CFC	CFC Free	Total	CFC	CFC free	Total	CFC	CFC Free	Total
			Units											
	Raigarh													
	Vijayanagar	PHC				1		1						
Raipur	Arang	CHC				1		1						
	CS Raipur	CS	1		1									
Rajnandgaon	Chuikhadan	CHC	1		1									
	Churiya	CHC				1		1						
	DHQ Rajnandgaon	DHQ	3		3	5		5	1		1	11	11	
Sarguja	Bafoli	PHC									2	1	3	
	Balrampur	CHC					1	1						
	Darima	PHC									1		1	
	DHQ Sarguja	DHQ				1		1			7		7	
	Kusmi	CHC				1		1	1		1	2	3	
	Lakhanpur	CHC				1		1						
	Narbadapur	PHC							1		1			
	Odgi	CHC					1	1	1		1			
	Premnagar	CHC					1	1				1	1	
	Rajpur	CHC				1		1	1		1			
	Ramanujnagar	CHC					1	1						
	Salka (Aghina)	PHC									1		1	
	Shankargarh	CHC					1	1			1		1	
	Surajpur	CHC					1	1						
	Udaypur	CHC				1		1	1		1			
	Wadarfarnagar	CHC										1	1	
<b>Total</b>			<b>5</b>	<b>0</b>	<b>5</b>	<b>30</b>	<b>7</b>	<b>37</b>	<b>10</b>	<b>0</b>	<b>10</b>	<b>38</b>	<b>7</b>	<b>45</b>
			<b>42</b>						<b>55</b>					
			<b>97</b>											

#### 7.4. Inventory of CFC-based equipment that is repairable

Totally, the state has 50 CFC-based cold chain units which are not functioning and can be repaired. Table 10 lists these refrigeration units. (A detailed list is available in Appendix J.) The non-functioning CFC machines should be stamped condemned and discarded. New allotment of ILRs and DFs has already been done in the state against these units.

**Table 10: Summary of CFC-based non-operational equipment**

District	No. of sites	DF		ILR	
		Large	Small	Large	Small
Bastar	9	1	6	2	5
Bilaspur	1		1		
Dantewara	8		7	3	4
Dhamtari	1	1			
Durg	2		2		
Raigarh	5	1	1		5
Raipur	7	4	1		3

District	No. of sites	DF		ILR	
		Large	Small	Large	Small
Rajnandgaon	1		2		
Sarguja	1		1		
<b>Total</b>	<b>35</b>	<b>7</b>	<b>21</b>	<b>5</b>	<b>17</b>

### 7.5. Inventory of CFC-free repairable equipment

There are totally 22 CFC-free units that are not working. These units can be repaired by the state-level technicians. The district-wise inventory of the equipment is available in Table 11. (A detailed list is available in Appendix K.)

**Table 11: CFC-free repairable units**

District	No. of sites	DF		ILR	
		Large	Small	Large	Small
Bastar	3			2	2
Bilaspur	1				1
Dantewara	2		1		2
Dhamtari	2		1		3
Jashpur	2		1		1
Korba	1	1			
Korea	1	1	1		
Mahasamund	1	1			
Rajnandgaon	1			1	
Sarguja	3				3
<b>Total</b>	<b>17</b>	<b>3</b>	<b>4</b>	<b>3</b>	<b>12</b>

### 7.6. Inventory of Stabilizers

Totally, the state cold chain has 713 stabilizers, out of which 533 are operational. Twenty-five per cent of the total stabilizers are not working and it should be repaired or replaced on a priority basis. Table 12 summarises the stabilizers installed district-wise. It also displays the availability of excess stabilizers in each district store, which has been calculated based on the WHO-recommended norm, which states that two units can be connected to a single stabilizer. Those sites where there are more number of stabilizers than required are listed in the excess column. Similarly, those sites that fall short of stabilizers have been listed in the 'shortage' column. The problem could be resolved by transferring stabilizers from those sites within the district where they are in excess to those sites where there is a shortage. However, it is advisable to repair the non-functioning stabilizers and fill the gap by procuring additional units.

**Table 12: Inventory and status of stabilizers (district-wise)**

District	Sites	Functional equipment	Total stabilizers	Functional stabilizers	Excess	Shortage
Bastar	43	122	69	56	11	17
Bilaspur	21	67	28	24	2	12
Dantewara	40	114	43	30	3	30

District	Sites	Functional equipment	Total stabilizers	Functional stabilizers	Excess	Shortage
Dhamtari	15	37	27	21	4	2
Durg	63	139	84	58	14	26
Janjgir	12	38	21	21	5	4
Jashpur	38	42	34	32	12	1
Kanker	24	53	35	26	4	5
Kawardha	15	39	19	19	3	4
Korba	27	30	22	18	5	3
Korea	23	36	20	13	1	5
Mahasamund	21	35	20	15	1	4
Raigarh	51	74	58	45	10	2
Raipur	61	120	48	40	3	24
Rajnandgaon	37	97	104	56	11	4
Sarguja	83	133	81	59	12	20
Grand Total	574	1176	713	533	101	163

(A more detailed assessment of the stabilizers is available in Appendix L.)

## 8. NON-ELECTRICAL COLD CHAIN

### 8.1. Inventory of cold boxes

Table 13, Table 15 and Table 16 give a comprehensive picture of the non-electrical equipment stock site-wise, covering both the district stores and the PHCs. It also indicates the number of damaged units at each site.

Table 13: Status of cold boxes in the state

Number of cold boxes				Chain		Hinge		Lock		Cover		Gasket	
Size	W	NW	Total	W	NW	W	NW	W	NW	W	NW	W	NW
5 L	399	12	411	360	51	382	29	402	9	388	23	381	30
8 L	6		6	6		6		6		6		6	
20 L	465	8	473	369	104	425	48	435	38	446	27	409	64
25 L	51	1	52	47	5	50	2	50	2	51	1	48	4

Table 14 summarises the status of cold boxes by size for each district. (A detailed inventory list, including the present status and net requirement of cold boxes, is available in Appendix M.)

**Table 14: Operational status of cold boxes, summarised district-wise**

District	Total number of sites	5 litres		8 litres		20 litres		25 litres	
		Working	Not Working	Working	Not Working	Working	Not Working	Working	Not Working
Bastar	43	26	10	1		25	1	15	
Bilaspur	21	36				14		22	
Dantewara	40	16		1		23	2	5	1
Dhamtari	15	14				14			
Durg	63	51				51	1	1	
Janjgir	12	24				38		5	
Jashpur	38	20				20			
Kanker	24	23				27			
Kawardha	15	14				16	3		
Korba	27	20				15			
Korea	23	18				16			
Mahasamund	21	29				25			
Raigarh	51	11		1		23			
Raipur	61	25		3		67			
Rajnandgaon	37	30	2			31	1		
Sarguja	83	42				60		3	
<b>Grand Total</b>	<b>574</b>	<b>399</b>	<b>12</b>	<b>6</b>		<b>465</b>	<b>8</b>	<b>51</b>	<b>1</b>

Table 15 displays the inventory of vaccine carriers along with their present status, summarised district-wise. The detailed list is available in Appendix N.

**Table 15: Status of vaccine carriers, summarised district-wise**

District	No. of sites	Good condition	Beyond use
Bastar	43	2080	152
Bilaspur	21	2018	172
Dantewara	40	1285	106
Dhamtari	15	638	106
Durg	63	3113	500
Janjgir	12	1291	115
Jashpur	38	1435	97
Kanker	24	1393	87



District	No. of sites	Good condition	Beyond use
Kawardha	15	1027	67
Korba	27	1131	198
Korea	23	1069	46
Mahasamund	21	1764	45
Raigarh	51	2229	185
Raipur	61	2692	165
Rajnandgaon	37	1825	224
Sarguja	83	2084	292
<b>Grand Total</b>	<b>574</b>	<b>27074</b>	<b>2557</b>

*Note: Vaccine carrier, cold-box and ice-pack inventories were based on physical count and approximations of units despatched to the field.*

Table 16 lists out the ice-pack inventory, summarised district-wise. A detailed inventory of ice-packs site-wise is available in Appendix O.

**Table 16: Inventory of ice-packs**

District	No. of sites	Functional	Non-Functional
Bastar	43	9777	847
Bilaspur	21	8080	1110
Dantewara	40	7433	655
Dhamtari	15	4387	401
Durg	63	17200	2814
Janjgir	12	2780	732
Jashpur	38	8900	1040
Kanker	24	7290	435
Kawardha	15	5679	275
Korba	27	4476	490
Korea	23	5020	593
Mahasamund	21	11434	964
Raigarh	51	10588	407
Raipur	61	13223	1362
Rajnandgaon	37	7974	832
Sarguja	83	11212	974
<b>Grand Total</b>	<b>574</b>	<b>135453</b>	<b>13931</b>

## 9. POWER SUPPLY SITUATION

Crucial to the efficiency of the cold chain equipment is the availability of regular, continuous and reliable power supply with adequate voltage, and, in the case of power failure, the availability of operational and regularly serviced back-up facilities.

Insufficient voltage cannot run an ILR, which requires about eight hours of reliable power supply in order to hold over for 16 hours without power<sup>5</sup>. Sixty PHCs in the state have no power supply at all. The reasons for irregular or no power supply ranged from transformer breakdowns to no power supply in the region itself.

➤ *Cold rooms*

At the central store, the power supply is dependable with no voltage fluctuation. The site is equipped with one WIC and one WIF. The auto-start generators have broken down

However, at the Jagdalpur district store, which has a WIC, the power supply is unreliable with frequent voltage fluctuations. The WIC, which is not functioning, was installed in order to facilitate vaccine distribution. It is imperative that when the WIC is being repaired, the automatic power back-up systems are repaired too.

➤ *District stores and PHCs*

Five hundred and two of the 574 sites assessed have reliable power supply. At 12 PHCs, there is less than 8 hours of regular power; 13 sites suffer from low voltage continuously, although the power cuts are few; and 60 sites have no power supply at all. The existing voltage stabilizers are ill-equipped to handle voltage below 150 kVa as they have a rating of 150-280 kVa.

Irregular power supply is handled in various ways at different locations. While at some PHCs, the short-term needs, for the pulse polio catch-up rounds, for instance, are met by buying blocks of ice and using the cold boxes to store the vaccines; at others, the vaccines are transferred to an alternative site when there are extended power breakdowns. In many cases, however, the same system is used for the regular programme too, with the vaccine being held for some days in the cold boxes, which is lined with ice-packs and ice slabs from factories. In order to assure vaccine quality, thermometers must accompany such storage systems, and this is frequently not the case.

Irregular power supply is most often handled by avoiding long periods of vaccine storage at the PHC site. Vaccine is fetched on a weekly basis, a day prior to the routine immunisation day; and only the quantity required to meet the PHC and its sub posts' demands is brought. The vaccine is then stored in cold boxes and vaccine carriers. The surplus vaccine after the immunisation is returned to the CHC or district store; but the practice of returning the unused vials is reported only at a few sites and is not reflected in the stock records.

At all the locations with low voltage and poor power supply (see Appendix P for an exhaustive list of the sites and the power supply status), high levels of maintenance are required to protect vaccine integrity. Table 17 summarises the power supply situation at the state vaccine cold chain site.

**Table 17: Overview of power supply situation in the state**

District	No. of sites	Sites with adequate power supply	Sites with poor power supply	Sites with no power supply	Sites with low voltage
Bastar	43	42	1		
Bilaspur	21	21			
Dantewara	40	34	2	4	
Damtari	15	15			

<sup>5</sup> Immunization in practice: Module 3: The Cold Chain: WHO

District	No. of sites	Sites with adequate power supply	Sites with poor power supply	Sites with no power supply	Sites with low voltage
Durg	63	63			
Janjgir	12	12			
Jashpur	38	33		5	1
Kanker	24	24			
Kawardha	15	15			
Korba	27	17		10	
Korea	23	14	1	8	2
Mahasamund	21	21			
Raigarh	51	51			
Raipur	61	61			
Rajnandgaon	37	34	1	2	
Sarguja	83	45	7	31	10
<b>Grand Total</b>	<b>574</b>	<b>502</b>	<b>12</b>	<b>60</b>	<b>13</b>

### ***9.1. Back-up power supply***

The state does not have any adequate arrangement for power back-up at most of the cold chain sites. Out of the 574 sites assessed, generators are available at 173 sites. At the remaining sites, there is no power back-up. Operationally, funds for generator use are made available under the RCH Programme; separate allocation is made for fuel during the Pulse Polio Campaigns.

### ***9.2. Wiring and power plugs***

Wiring for the refrigeration equipment was found to be satisfactory at 233 sites. It was poor for 63 sites. Generally, the quality of wiring was sub-standard. Several sites had no proper plugs and sockets and the wires were often directly inserted into the sockets.

It seemed to be a common practice to bypass the earthing. The earthing wire was often cut at the equipment, stabilizer or point of supply. This is a cause for concern since improper earthing holds risk for the operator in the case of electrical failure of the equipment. Many sites do not have proper neutral and use the earth as neutral. Under such conditions, the equipment may draw two to three times more current to start running and may eventually fail to start. Again, any open wire/loose contact may result in equipment failure.

All ILRs and DFs originally came with the three-pin plug moulded on the cable. Vestfrost equipment was supplied with a power supply plug designed for special power sockets; these were often not compatible with the three-pin sockets on the stabilizers supplied. Hence, either the original equipment power supply plugs have been removed or an electrical extension box has been used to connect the equipment to the stabilizer.

## **10. VACCINE STORAGE, HANDLING AND DELIVERY SYSTEM**

### ***10.1. Vaccine collection/delivery system***

At 14 PHCs, the vaccines are collected by the health staff from the district store on fixed days of the week and transported in cold boxes using public transport. In the case of those sites

that have an ambulance or some other vehicle, these vehicles are used to fetch vaccines. Immunisation is usually done on every Tuesday

Constraints in terms of budgets for transportation were often expressed. This is particularly relevant since 179 PHCs get the vaccine weekly; 105 additional sites get it on a demand basis; while 15, where electricity supply is more regular, continue to get vaccine according to the normal monthly routine. For the other sites, the pattern of collection is fairly irregular.

Once the vaccine is brought to the PHC it is then transferred either to the ILR, or kept in cold boxes, depending on whether the equipment is working or power supply is available. Vaccine is distributed to the LHVs and vaccinators, often on the next day, and they then carry the vials to the outreach posts in vaccine carriers.

#### ➤ **Vaccine storage**

Staff responsible for maintaining the cold chain are well aware of the storage norms. However, due to the non-availability or non-use of vaccine trays, or due to negligence, vaccines are stacked inside the unit without sufficient space for air circulation. Further, T series vaccines are stacked at the bottom, rendering the vials vulnerable to freezing. The standard EEFO procedure is not followed anywhere.

At sites where the cold chain is not operational (breakdown of equipment or no power supply), ice blocks are used to maintain the vaccine temperature.

#### ➤ **Conditioning of ice packs**

The practice of using frozen ice-packs has been religiously followed by all PHCs. Solid, frozen ice-packs are used for transporting vaccines right from the central store down to the sub-centres. As a result, vaccines frequently come into direct contact with ice-packs or ice. This is particularly relevant where freeze-sensitive vaccines are concerned and could explain why frozen (damaged state) 'T' series vaccine vials were found at quite a few sites, which included the following district stores: Korba, Korea, Sarguja, Raigarh, Jagdalpur and Dhamtari.

#### ➤ **Vaccine handling**

All staff can read the VVM indicator and are aware at what stages the vaccine can be used or must be discarded. However, there is very little awareness regarding the quality indicators for the T series vaccines. None of the staff knew how to perform or interpret the shake test. In fact, when the assessment team held out the frozen vials, the staff used their palms to warm the vials.

Frequently, storage in wet conditions, either in the cold boxes containing melted ice-packs or in refrigeration equipment where low temperatures cannot be maintained, had resulted in the labels coming off, and there was no way of checking the date of manufacture, expiry, vaccine name and VVM. As per WHO regulations, unlabelled vials should be discarded.

#### ➤ **Delivery/Fetching**

Usually, vaccine is distributed by the district store vans to the CHCs and PHCs. The state has adopted the vaccine pull method, whereby vaccine is primarily fetched by the district stores from the central store.

## **11. REPAIR AND MAINTENANCE**

Cold chain maintenance at the sites is largely adequate, mainly due to presence of cold chain technicians in the districts. The state has a dedicated technician each for most of the districts. Complaints are normally attended to within seven days of the reported breakdown. There is, however, a dearth of workshops and spare parts.

The equipment maintenance record throughout the state is good. The equipment is regularly cleaned and defrosted. Technicians normally accompany the vaccine delivery van once in a month and routinely check the equipment.

## **12. PERSONNEL**

Even with the most sophisticated equipment, finally the efficiency of the cold chain will depend on the personnel managing it. Usually, the LHV or ANM manages the day-to-day operation of the equipment. Often, no back-up staff is available if the designated staff is absent.

Lack of staff motivation was generally observed. The staff motivation often reflected the extent of the CS, the MOiC and the UNICEF extender's interest and initiative. There were rare instances where personal motivation was high in spite of the setbacks.

APPENDIX Q provides the complete list of the staff placed at the various sites visited. It also covers the details of the training received.

### **12.1.1. Training in cold chain**

Only 295 cold chain operators have received any training in cold chain, though all them have received training in handling OPV. No specialised training has been provided on equipment maintenance and vaccine storage. The EEFO stacking practice is not followed at any site visited. The staff were unaware of bin cards. There is considerable ignorance when it comes to handling the T series vaccines.

### **12.2. Monitoring and reporting systems**

Recording keeping is a very important component of the cold chain. It is important in vaccine forecasting, requisitioning and stock management, assuring the quality of the cold chain through temperature monitoring, tracking wastage, implementing maintenance and repair, drawing up replacement and contingency plans and identifying training needs. It becomes the basis for evaluating the performance of the cold chain.

#### **12.2.1. Temperature monitoring systems**

Temperature monitoring seems to lack the kind of accuracy and consistency that is required, although the staff appear to be aware of the purpose of the entire exercise. Temperature readings are manually recorded at 296 sites, while no recording is done at the remaining sites. Often, the temperature recording in the WHO-recommended temperature booklet (sheets of paper are also used) is done mechanically and do not reflect actual readings. At most sites where temperature recording is done, the twice-a-day routine seems to be followed.

### 12.2.2. Vaccine stock registers

Vaccine stock registers are fairly well-maintained at 305 sites, with clear entries of stock received and dispatched. Stock mismatch in terms of physical vs. book stock was found at some sites. Vaccine wastage is not recorded.

The assessment included interviewing of staff to determine their experience in cold chain, knowledge of cold chain practices and the kind of training provided to them. The following sections summarise the findings.

### 12.3. Overall assessment of staff

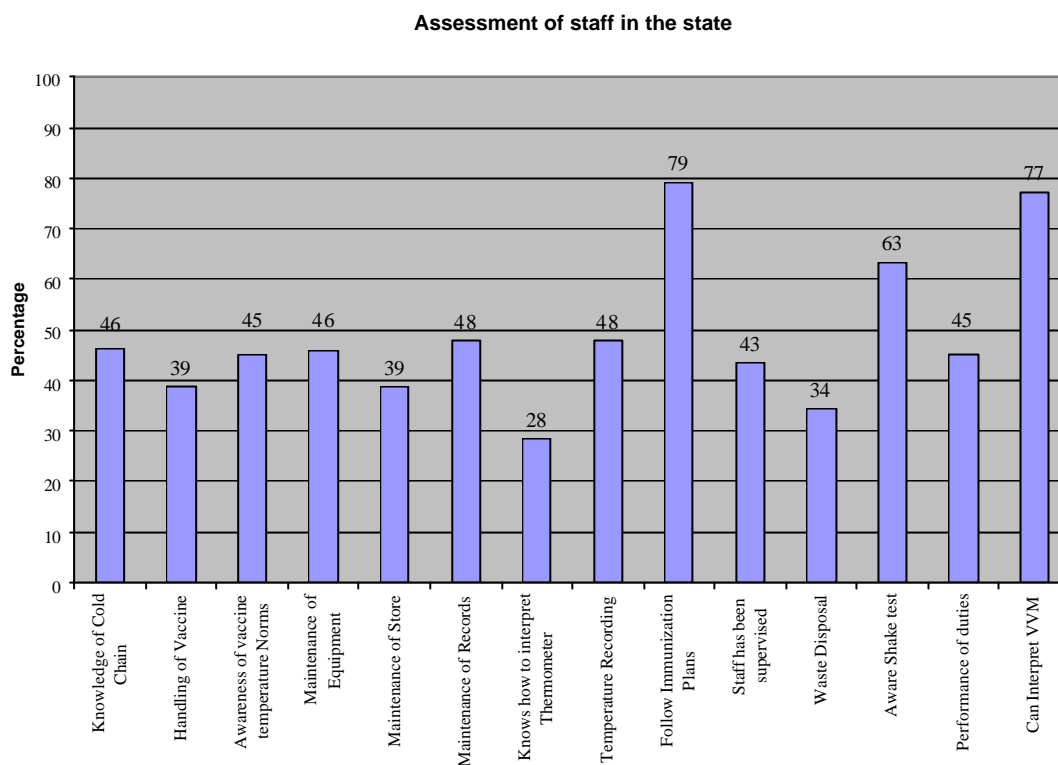
The cold chain staff were assessed on the following parameters:

- Knowledge/Awareness of:
  - cold chain
  - how to handle vaccine
  - vaccine temperature norms
  - how to read the thermometer and record readings
  - shake test
  - how to interpret VVM
- Maintenance of:
  - equipment
  - store
  - records
- Practices:
  - Follows immunisation plans
  - Staff is supervised
  - Disposal of damaged vaccine and medical waste
  - Performance of duties

(Appendix R lists the methodology and staff assessment criteria in detail.)

Figure 37 graphically depicts the assessment based on the above criteria. (A detailed list of the criteria and result is given in appendix S.)

**Figure 37: Cumulative rating of staff in the state**



## 13. LOGISTICS

### 13.1. Cold Chain requirement of the state

Chhattisgarh's population and vaccine requirement<sup>iv</sup> (for 2005-2006) is shown in Table 18.

**Table 18: Population of Chhattisgarh and annual vaccine requirement<sup>v</sup>**

District	Population	OPV	DPT	TT	BCG	Measles	DT
Raipur	25,29,166 <sup>v1</sup>	401000	401000	463000	164000	109000	108000
Mahasamund	8,60,176 <sup>vii</sup>	112000	112000	117000	46000	30000	32000
Dhamtari	7,03,569 <sup>viii</sup>	83000	83000	121000	34000	22000	33000
Durg	23,97,134 <sup>ix</sup>	351000	351000	287000	144000	96000	64000
Rajnandgaon	12,83,224 <sup>x</sup>	174000	174000	201000	71000	47000	45000
Kawardha	5,13,496 <sup>xi</sup>	93000	93000	105000	38000	25000	24000
Bastar	13,02,253 <sup>xii</sup>	187000	187000	217000	77000	51000	64000
Kanker	6,51,333 <sup>xiii</sup>	82000	82000	99000	34000	22000	23000
Dantewara	7,19,065 <sup>xiv</sup>	113000	113000	122000	46000	31000	30000
Bilaspur	1,993,042 <sup>xv</sup>	333000	333000	325000	137000	91000	68000
Janjgir	13,16,140 <sup>xvi</sup>	193000	193000	187000	79000	53000	43000

District	Population	OPV	DPT	TT	BCG	Measles	DT
Korba	10,11,823 <sup>xvii</sup>	127000	127000	148000	52000	34000	37000
Raigarh	12,65,084 <sup>xviii</sup>	161000	161000	167000	66000	44000	53000
Jashpur	7,39,780 <sup>xix</sup>	105000	105000	115000	43000	29000	54000
Sarguja	1,972,094 <sup>xx</sup>	330000	330000	267000	135000	90000	66000
Korea	5,86,327 <sup>xxi</sup>	86000	86000	101000	35000	23000	27000
Annual requirement of vaccine for the state		2931000	2931000	3041000	1201000	799000	770000

Based on the above data, Table 19 identifies the storage capacity required at the district stores to stock the required volume of vaccine. The storage capacity has been calculated using the WHO Vaccine Volume Calculator.. The vaccine supply frequency has been assumed to be once in a month with a safety stock for three months.

**Table 19: Storage capacity required at district stores**

District	Storage Volume required (litres)		Packaging volume required (litres)
	DF	ILR	
Raipur	133.7	1235.5	5665.0
Mahasamund	37.3	367.8	1647.8
Dhamtari	27.7	315.5	1348.2
Durg	117.0	1041.2	4843.2
Rajnandgaon	58.0	586.5	2606.8
Kawardha	31.0	310.7	1384.4
Bastar	62.3	648.6	2861.6
Kanker	27.3	282.5	1247.2
Dantewara	37.7	374.1	1675.8
Bilaspur	111.0	1047.9	4775.6
Janjgir	64.3	609.9	2776.2
Korba	42.3	432.9	1915.6
Raigarh	53.7	536.5	2397.8
Jashpur	35.0	376.1	1644.4
Sarguja	110.0	981.0	4557.0



District	Storage Volume required (litres)		Packaging volume required (litres)
	DF	ILR	
Korea	28.7	295.7	1304.0

### 13.2. Distribution of cold chain equipment across the state

Vaccine is supplied from the central store to the district stores and from there to the CHCs and PHCs. Based on the estimated population coverage the appropriate size of cold chain has been calculated. This was then compared with the present operational status of equipment (including repairable) and conclusion of net requirement of equipment has been drawn.

#### 13.2.1. Rational distribution of cold chain equipment

Chhattisgarh has a total population of 20.7 million. Table 20 shows the chain storage capacity required for each district based on likely annual immunisation targets. Appendix T compares the required capacity of each district against the actual capacity and suggests ways of handling the gaps.

**Table 20: Appropriate cold chain storage capacity (Summarised district wise)**

District	Appropriate size of cold chain				Present status				Net requirement			
	Large ILR	Small ILR	Large DF	Small DF	Large ILR	Small ILR	Large DF	Small DF	Large ILR	Small ILR	Large DF	Small DF
Bastar	17	29	17	29	7	63	10	41	7	5	10	14
Bilaspur	15	10	15	10	4	30	10	23	11	2	5	3
Dantewara	13	28	13	28	8	64	2	40	2	12	10	14
Dhamtari	6	10	6	10	2	20	3	12	3	3	3	5
Durg	21	48	21	48	6	68	14	51	15	6	12	13
Janjgir	12	9	12	9	1	19	4	14	10	7	8	7
Jashpur	9	30	9	30	1	21	4	16	7	27	6	27
Kanker	8	17	8	17	3	28	2	20	6	4	6	8
Kawardha	6	10	6	10	1	20	2	16	1	5	1	6
Korba	8	21	8	21	1	15	3	11	5	18	5	19
Korea	6	18	6	18	3	16	2	15	1	13	3	13
Mahasamund	7	16	7	16		19	2	14	4	8	5	8
Raigarh	12	42	12	42	2	38	6	28	8	31	7	31
Raipur	15	45	15	45	7	57	16	38	12	20	9	22
Rajnandgaon	13	27	13	27	4	55	9	29	3	5	7	9
Sarguja	22	65	22	65	15	73	2	43	7	40	16	55
<b>Grand total</b>	<b>190</b>	<b>425</b>	<b>190</b>	<b>425</b>	<b>65</b>	<b>606</b>	<b>91</b>	<b>411</b>	<b>102</b>	<b>206</b>	<b>113</b>	<b>254</b>

## 14. RECOMMENDATIONS

### 14.1. *Short-term*

- The newly supplied HAIER ILRs should be laboratory tested for recommended cold chain norms.
- Baskets should be provided for all the HAIER ILRs supplied in the state.
- A plan as to what is to be done with 'beyond repair' and 'non-working' equipment needs to be drawn up. Special care needs to be taken when it comes to disposal of CFC machines.
- The 22 CFC-free units that are not working should be repaired on a priority basis.
- The average working life for each piece of equipment needs to be defined and procedures for removing the equipment from the inventory described.
- Units that are rusted externally and internally (CFC and CFC-free) and where the fault lies with the sealed system should not be repaired and should be removed from the inventory.
- CFC-free equipment which is not working and the body has rusted (indicating reduced life-span) should not be repaired. All non-CFC units that have been repaired once and broken down again should not be repaired.
- Stabilizers need to be repaired at the district store facility and clear instructions need to be issued to the cold chain technicians not to by-pass any safety control measure.
- Wiring and earthing need to be corrected on a priority basis.
- Voltas now supplies a stabilizer that can deal with low voltage. It is recommended that its performance be observed and if found efficient, it be adopted for use at all PHCs.
- Funds must be made available through UNICEF for better and more regular maintenance. A contract could be drawn up with one sub-contractor, which includes strict performance-bound contract renewal clauses.
- Equipment operation/management instructions should be supplied in the local languages.
- Product manuals must be supplied with all new equipment installed.

Table 20 summarises the net requirement (shortage) of refrigeration units. This gap has been determined based on forecasted requirement in the state (as listed in appendix T).

### 14.2. *Medium-term*

- A new WIC and WIF is required at Korba, and Bastar Districts. These districts are centrally located for distant locations like Korea, Sarguja, Jashpur and Raipur (closer to Korba) and Dantewara (closer to Bastar district.)
- The WIF at the central store needs to be moved from the secretariat building to a more central location.
- An intensive training programme needs to be conducted for all health workers with cold chain responsibilities. The training should cover importance of cold chain, equipment operation and maintenance, site maintenance, temperature recording and its importance,

handling freeze-sensitive vaccines, conducting and interpreting the shake test, sharp waste disposal and efficient record keeping.

- EPI training also needs to be conducted for middle-level managers.
- Technician training programmes also need to be conducted, in which the training content should include best practices for CFC-free machines.
- The policy for systematic disposal of sharps and vaccine needs to be determined.
- Budgetary allocations for fuel to run the generator must be made.
- Itemised replacement plans should be drawn up and financial, material and personnel allocations made.
- All sites should have contingency/emergency plans for sudden breakdowns.

#### ***14.3. Long-term***

- On-going training must be provided to upgrade skills and knowledge of existing and new staff in the operation and maintenance of equipment, and vaccine handling.
- Local capacity needs to be developed for equipment repair and maintenance and manufacturing spares.
- Automated temperature logging system need to be installed at cold rooms.
- Ways to regularise power supply to all cold chain sites should be explored.
- The cold chain should be made fully efficient so that WHO accreditation for EVSM can be sought.

## 15. CONCLUSION

To sum up, when evaluated against WHO-recommended standards, the cold chain system in Chhattisgarh falls below the mark. A majority of the sites falls short when it comes to skilled staff, adequate vaccine storage capacity, vaccine management, power back-up facilities, and systematised medical waste disposal. However, in areas like equipment maintenance, performance has been satisfactory. Though, no official contingency or emergency plans have been drawn up to handle sudden breakdowns.

As it stands now, the system relies heavily on the health staff's goodwill to sustain the regular programme. Training is insufficient and some of the cold chain personnel have received no training at all. There is gross ignorance when it comes to preserving integrity of freeze-sensitive vaccines and very few know how to perform or interpret the 'shake test'. Cold Chain Monitors (CCMs) and freeze indicators are not used. Record-keeping, whether it is related to stocks, fuel usage, maintenance, or training, is unsatisfactory.

Though the Pulse Polio Campaigns and catch-up programmes have additional resources to fill the gaps, the regular programme lacks both financial and material resources.

Immediate action needs to be taken in terms of drawing up a waste disposal action plan for outdated and beyond repair units. The non-functioning CFC-free machines must be repaired, and the earthing and wiring needs to be standardised. Training in handling the T series vaccine is also recommended.

**APPENDIX A**  
**DATA COLLECTION FORM**



<b>ELECTRICITY INFORMATION</b>												
Generator Numbers:		Capacity :		working :		Not working:		(since (months:))		Reason of failure:		
<b>Electricity availability</b> Number of hours available per day: Power fluctuation (hrs) per day: Stabilizer trips off on Fluctuation: (Yes/No) Genset usage per month (hrs):			<b>Generator usage: (if available)</b> (a) Use immediately after power cut (b) Use whenever temperature rises (c) Use only during pulse polio (d) Never used because no fuel (e) Not working				<b>Fuel availability</b> (a) Always in stock (b) No fund for fuel (c) Inadequate stock (d) Fuel not available					
Electric supply: 15 A Socket: Nos.			5 A Socket: Nos.			Condition of electrical wiring: Good/ Poor (Open wiring YES/NO )						
<b>NON-ELECTRICAL INVENTORY</b>												
Cold Boxes		Hinge		Lock		Cover		Chain		Gasket		
5 ltr		Good:      Bad:		Good:      Bad:		Good:      Bad:		Good:      Bad:		Good:      Bad:		
8 ltr		Good:      Bad:		Good:      Bad:		Good:      Bad:		Good:      Bad:		Good:      Bad:		
20 ltr		Good:      Bad:		Good:      Bad:		Good:      Bad:		Good:      Bad:		Good:      Bad:		
25ltr		Good:      Bad:		Good:      Bad:		Good:      Bad:		Good:      Bad:		Good:      Bad:		
Ice packs (No): 0.4 Size		0.6 Size		Functional		Non Functional		Main Reason for non func.				
Vaccine carrier (no.):				Functional			Non-functional		Main reason for non func.			
Thermometers (no.):			Temperature plotter:			Other temp. Gadget: _____ (no.):						
Freeze watch (no.) :			Freeze tags (no.):									
<b>VACCINE</b>												

<b>Vaccine arrival from (Site):</b>  <b>Temperature booklet exists: (Yes/ No)</b> <b>Temperature booklet maintained: (Yes/ No)</b> <b>Vaccine stock register maintained: (Yes/ No)</b> <b>Vaccine Indent Challans: (Yes/ No)</b>		<b>Vaccine arrival frequency</b> (a) on demand (b) Weekly Fixed Day : Y/N (c) Monthly Fixed Day : Y/N (d) _____ (Date Monthly Schd)		<b>Arrival method:</b> (a) Supplied (b) Fetched ourselves (C) Usually supplied but fetched on demand		
<b>VVM status :</b> (a) Aware of VVM (Yes/ No) (b) Check VVM status on arrival of vaccine (Yes/No) (c) Check VVM status before vaccination (Yes/No) (d) VVM Training provided to vaccinators (Yes/No)		<b>Conditioning of ice-packs:</b> (a) Ice-packs conditioned (b) Use frozen Ice Packs (c) Ice-packs not available on site (d) Receive vaccine without ice packs		<b>Freeze tags:</b> (a) often accompany vaccine (b) very rare (c) never accompany vaccine		
<b>Problem reporting:</b> (a) Damaged vaccine for any reason recorded and reported <sup>6</sup> (b) No entry for damaged vaccine		<b>Action taken:</b> (a) Damaged vaccine disposed safely (b) Damaged vaccine returned (c) Disposed unprotected		<b>Sharp disposal: (Tick)</b> (a) Disposal mechanism : Hub Cutter / Safety Box (b) Needle not cut (c) Buried/ Burnt/Other (d) Disposed unprotected		
<b>ADMINISTRATION</b>						
People involved in cold chain: Name	Designation	Job responsibilities <i>(Temp record, vaccine stock, Equip. Maintenance, vaccination)</i>	Last training attended (month/year)	Experience (years)	Present site (years)	



Health Worker's level of understanding of cold chain: **(Non-exposure of equipment to sunlight Yes/No)**, **(Does thermostat setting Yes/No)**, **(Defrosts machine Yes/No)**, **(Site adequately ventilated Yes/No)**, **Level at which equipment mounted Good/Bad** ), **(Equipment secured and locked Yes/No)**, **(Equipment maintained and cleaned Yes/No)** (*Tick whatever applicable*)

**Technician visits:** Technician last visited :

Frequency of visit: (Number of visits per year) :

**Comments:**

Name and Seal  
Signature



<p>Report CC breakdowns to (name):</p> <p>Date of last report:</p> <p>Date of repair:</p> <p>Maintenance technician location/distance :</p> <p>Fund for equipment transportation: Y/N</p> <p>Servicing problem detected during appraisal:</p> <p>Requires: compressor <input type="checkbox"/> Ref /gas charge <input type="checkbox"/></p> <p>condenser Fan <input type="checkbox"/> thermostat <input type="checkbox"/></p> <p>Any other spare :</p> <p>Date of technician last visit : months/not at all</p>	<p>Report generator breakdown to:</p> <p>Date of last report:</p> <p>Date of repair:</p> <p>Fund available:</p> <p>Local repair possible: Y/N</p>	<p>Foam cover available in Vaccine Carrier: Yes/ No</p> <p>Vaccine Tray is available inside ILR : Yes/ No</p> <p>Which Vaccine is kept in ILR Tray :</p> <p>Which Vaccine is stored in ILR bottom :</p> <p style="text-align: right;">Name and Seal</p> <p style="text-align: right;">Signature</p>
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## **APPENDIX B**

### **TEAM COMPOSITION AND DISTRICTS ASSIGNED**

**Table 21: Team of technicians**

Name	District assigned	No. of sites <sup>xxii</sup>
Bhawat Prasad Tiwari & Anil Kale	Bilaspur	57
Laxmi Kant Verma & Rashid Khan	Durg	61
	Dhamtari	15
	Kavarda	14
Suresh Kumar Sharma & N R Dhankar	Raipur	59
	Raigarh	51
	Mahasamund	19
Chandrakar & Sandeep Tiwari <sup>xxiii</sup>	Janjgir	34
	Korba	34
Ramesh Pillai & Panchram Patel	Kanker	27
	Rajnandgaon	36
	Jagdalpur (Bastar-a) <sup>xxiv</sup>	13
N Majumdar & T S Verma	Sarguja	86
	Korea	24
	Jashupur	35
Adihkari & Nag	Dantewada	45
	Jagdalpur (Bastar)	60
Total		670

## **APPENDIX C**

### **DETAILED ANALYSIS OF DISTRICT STORES AGAINST EVSM CRITERIA**

1.		<i>Over a period of 12 months, pre-shipment and arrival procedures have ensured that all shipments were in satisfactory condition when received by the primary stores.</i>															
Criteria	Scale	Central Store	Bastar	Bilaspur	Dantewara	Dhamtari	Durg	Janjgir	Jashpur	Kanker	Kawardha	Korba	Korea	Mahasamund	Raigarh	Rajnandgaon	Sarguja
Is the VAR form available?	0-2	2	2	2		2	1.5	0.5	1	1	0.5	0.5	0.5		1	2	1
Are vaccine records maintained satisfactorily?	0-2	2	1	2	0.5	2	2		0.5	1	0.5	0.5			1	1	1
Do indent challans accompany the vaccines?	0-2	2	1	2	0.5	0.5	2	1	1	1		1	0.5	2	1	2	1
Does the site have a vaccine delivery vehicle?	0-1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Is the vehicle in operational condition?	0-1		1	1	1	1	1	1	1	1		1	1	1	1	1	1
Has the staff been trained in vaccine transportation?	0-2	2	1.5	1	1	2	1	0.5			1.5			1.5	1	2	1
Does the site have a contingency plan in the event of vehicle failure?	0-1		1	0.5	0.5	1	1	0.5	0.5	1	0.5			0.5	0.5	1	0.5
Did the vaccine ever arrive in an unsatisfactory condition in the past one year?	0-1	1	1	1	1	1	1	0.5	0.5	1	1		0.5	1	1	1	1
Was adequate action taken when vaccine arrived in an unsatisfactory condition?	0-1	1	1	1	0.5	1	1			1	1			1	1	1	1
<b>Total</b>	<b>13</b>	<b>10</b>	<b>10.5</b>	<b>11.5</b>	<b>6</b>	<b>11.5</b>	<b>11.5</b>	<b>5</b>	<b>5.5</b>	<b>8</b>	<b>6</b>	<b>4</b>	<b>3.5</b>	<b>8</b>	<b>8.5</b>	<b>12</b>	<b>8.5</b>
<b>Percentage</b>		<b>77%</b>	<b>81%</b>	<b>88%</b>	<b>46%</b>	<b>88%</b>	<b>88%</b>	<b>38%</b>	<b>42%</b>	<b>62%</b>	<b>46%</b>	<b>31%</b>	<b>27%</b>	<b>62%</b>	<b>65%</b>	<b>92%</b>	<b>65%</b>

## 2.

*Over a period of 12 months, all vaccines have been stored within WHO-recommended temperature ranges.*

Criteria	Scale	Central Store	Bastar	Bilaspur	Dantewara	Dhamtari	Durg	Janjgir	Jashpur	Kanker	Kawardha	Korba	Korea	Mahasamund	Raigarh	Rajnandgaon	Sarguja
Does the storekeeper know the correct temperature zones?	0-5	5	4	5	1	2.5	5	1	2	3	3	1	1	4	5	5	5
Does the storekeeper know which vaccine should not be frozen?	0-5	5	5	5	1	1	5		1	3	3	1		3	5	5	5
Is staff trained in stacking vaccine?	0-1	1	1	1		1	1	1	0.5	0.5	1		0.5	1	1	0.5	1
Have all the cold chain staff received training?	0-1	1	0.5	1		1	1		0.5		1	1	0.5		1	0.5	1
Is the vaccine stored in the right temperature zones?	0-5	3	5	5	1	2.5	5	2	5	2	3	1	3	3	5	5	5
Are temperature records maintained properly?	0-2	1	1	1						1	2					1.5	
Is the staff capable of handling the cold store?	0-2	2	2	2	0.5	1	2	2	1	1	1.5			1.5	2	2	2
Is there a contingency plan in the event of equipment failure?	0-2	2		2	0.5		1		1	0.5	0.5			0.5	1	1	1
Was the plan ever rehearsed?	0-1																
Are emergency contact details pasted on the wall of the store premises?	0-1	1		1											1		



Does the staff know the right procedure to follow in the event of an emergency?	0-2	1.5	1	1		0.5	1		0.5		1			0.5	0.5	1	1
<b>Total</b>	<b>27</b>	<b>22.5</b>	<b>19.5</b>	<b>24</b>	<b>4</b>	<b>9.5</b>	<b>21</b>	<b>6</b>	<b>11.5</b>	<b>11</b>	<b>16</b>	<b>4</b>	<b>5</b>	<b>13.5</b>	<b>21.5</b>	<b>21.5</b>	<b>21</b>
<b>Percentage</b>		<b>83%</b>	<b>72%</b>	<b>89%</b>	<b>15%</b>	<b>35%</b>	<b>78%</b>	<b>22%</b>	<b>43%</b>	<b>41%</b>	<b>59%</b>	<b>15%</b>	<b>19%</b>	<b>50%</b>	<b>80%</b>	<b>80%</b>	<b>78%</b>

### 3.

*Over a period of 12 months, the cold storage capacity has been sufficient to meet the demand.*

Criteria	Scale	Central Store	Bastar	Bilaspur	Dantewara	Dhamtari	Durg	Janjgir	Jashpur	Kanker	Kawardha	Korba	Korea	Mahasamund	Raigarh	Rajnandgaon	Sarguja
Has the vaccine volume been calculated ?	0-2	1.5		1			0.5								1	1.5	
Is the equipment present at the site adequate?	0-2	2	2	2	2	2	2	1	2	2	1	1	1	2	2	2	1
Does the demand and supply of vaccine match the immunisation schedule?	0-2	1	1	1		0.5	1			1					1	1.5	1
<b>Total</b>	<b>6</b>	<b>4.5</b>	<b>3</b>	<b>4</b>	<b>2</b>	<b>2.5</b>	<b>3.5</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>4</b>	<b>5</b>	<b>2</b>
<b>Percentage</b>		<b>75%</b>	<b>50%</b>	<b>67%</b>	<b>33%</b>	<b>42%</b>	<b>58%</b>	<b>17%</b>	<b>33%</b>	<b>50%</b>	<b>17%</b>	<b>17%</b>	<b>17%</b>	<b>33%</b>	<b>67%</b>	<b>83%</b>	<b>33%</b>

# 4

*Over a period of 12 months, the buildings, equipment and transport available to the programme have enabled the cold store to function effectively.*

Criteria	Score	Central Store	Bastar	Bilaspur	Dantewara	Dhamtari	Durg	Janjgir	Jashpur	Kanker	Kawardha	Korba	Korea	Mahasamund	Raigarh	Rajnandgaon	Sarguja
Is the store building large enough?	0-3	2	3	2		1	2		3	3	3				2	1	
Are all units located in the same premises or scattered?	0,2		2	2	2		2	1	2	2	2	1	1	2	1	2	2
Can the delivery vehicle easily reach the store?	0-2	1	1	2	1	1	2	1	2	2	2		2	2		1.5	
Is the site secure?	0-2	2	2	1		1	2	1	1.5	2	2	2	1.5		2	1.5	2
Is the store roof free of leaks?	0-2	2	2	2		1	2	1	1.5	1	2	1	1			1	
Is the store free from condensation?	0-1	0.5		1		0.5			1	0.5	1	1			0.5		0.5
Is the standard of electrical system/wiring satisfactory?	0-3	2	2	2	1	3	2		2	2	2	1.5	2	2	2	2.5	2.5
Is the store room adequately ventilated?	0-1	1	1	1		1			1		1	1	1				
<b>Total</b>	<b>16</b>	<b>10.5</b>	<b>13</b>	<b>13</b>	<b>4</b>	<b>8.5</b>	<b>12</b>	<b>4</b>	<b>14</b>	<b>12.5</b>	<b>15</b>	<b>7.5</b>	<b>8.5</b>	<b>6</b>	<b>7.5</b>	<b>9.5</b>	<b>7</b>
<b>Percentage</b>		<b>66%</b>	<b>81%</b>	<b>81%</b>	<b>25%</b>	<b>53%</b>	<b>75%</b>	<b>25%</b>	<b>88%</b>	<b>78%</b>	<b>94%</b>	<b>47%</b>	<b>53%</b>	<b>38%</b>	<b>47%</b>	<b>59%</b>	<b>44%</b>







# 6.

*Over a period of 12 months, stock management has been effective.*

Criteria	Scale	Central Store	Bastar	Bilaspur	Dantewara	Dhamtari	Durg	Janjgir	Jashpur	Kanker	Kawardha	Korba	Korea	Mahasamund	Raigarh	Rajnandgaon	Sarguja
Does the store maintain the arrival forms?	0-1	1	1	1	1	1	1	0.5	0.5	1	1	0.5	0.5	1	1	1	1
Are damaged vaccines and diluents labelled, packaged and stored out of the cold chain?	0-1					1	1			0.5	1			0.5		0.5	
Are disposal facilities and procedures in accordance with WHO or national norms?	0-1					0.5			0.5								
Was a safety stock level set for each vaccine?	0-2		2		0.5	0.5	0.5									1.5	
Were there any stock-out situations?	0,2	1.5	0.5	1		0.5	1	0.5	1				0.5		1	0.5	1
Were there any instances where instances where low stock levels affected deliveries to intermediate stores?	0,2	1	0.5	1		0.5	1.5									0.5	
Were there any instances where safety stock levels were breached?	0,2						1.5									0.5	
Are consumable stocks recorded?	0-2		0.5		0.5		0.5										
Is the vaccine store clean and pest free?	0-2	1.5		1.5		0.5	1	0.5	1	1	2	2	1			1	0.5
<b>Total</b>	<b>43</b>	<b>25</b>	<b>13.5</b>	<b>19.5</b>	<b>9</b>	<b>13</b>	<b>24.5</b>	<b>8.5</b>	<b>12</b>	<b>10</b>	<b>17</b>	<b>11.5</b>	<b>7</b>	<b>4.5</b>	<b>11.5</b>	<b>17.5</b>	<b>12</b>
<b>Percentage</b>		<b>58%</b>	<b>31%</b>	<b>45%</b>	<b>21%</b>	<b>30%</b>	<b>57%</b>	<b>20%</b>	<b>28%</b>	<b>23%</b>	<b>40%</b>	<b>27%</b>	<b>16%</b>	<b>10%</b>	<b>27%</b>	<b>41%</b>	<b>28%</b>

# 7.

*Over a period of 12 months, deliveries of vaccine to the next level have been timely and sufficient.*

Criteria	Scale	Central Store	Bastar	Bilaspur	Dantewara	Dhamtari	Durg	Janjgir	Jashpur	Kanker	Kawardha	Korba	Korea	Mahasamund	Raigarh	Rajnandgaon	Sarguja
Does the site have an annual immunisation target?	0-2	2	1	2	1	1	1.5	1	1		1	1			2	1.5	2
Was the vaccine supply scheduled according to target?	0-2	1	0.5	1		0.5	1			1					1	1	1
Was the vaccine collected according to schedule?	0-2	2	1	1.5	1.5	1	1	1.5	1.5	1	1	1.5	1.5	1	1.5	1	1.5
Was reliable transport available?	0-1	1	1	1	0.5	1	1	1	1	1	0.5	1	1	1	1	1	1
Is there a monitoring system in place to monitor actual vaccine distribution vs. anticipated distribution?	0-3	3	1	3	1	1	2.5		1		1.5	1			2	2.5	1
Were there any short supply situations?	0-1	0.5	0.5	0.5		0.5	1		0.5	0.5	0.5				0.5	0.5	0.5
Were they corrected?	0-1						1			1						0.5	
<b>Total</b>	12	<b>9.5</b>	<b>5</b>	<b>9</b>	<b>4</b>	<b>5</b>	<b>9</b>	<b>3.5</b>	<b>5</b>	<b>4.5</b>	<b>4.5</b>	<b>4.5</b>	<b>2.5</b>	<b>2</b>	<b>8</b>	<b>8</b>	<b>7</b>
<b>Percentage</b>		<b>79%</b>	<b>42%</b>	<b>75%</b>	<b>33%</b>	<b>42%</b>	<b>75%</b>	<b>29%</b>	<b>42%</b>	<b>38%</b>	<b>38%</b>	<b>38%</b>	<b>21%</b>	<b>17%</b>	<b>67%</b>	<b>67%</b>	<b>58%</b>

8.

*Over a period of 12 months, no damage has occurred to the vaccine during distribution.*

Criteria	Scale	Central Store	Bastar	Bilaspur	Dantewara	Dhamtari	Durg	Janjgir	Jashpur	Kanker	Kawardha	Korba	Korea	Mahasamund	Raigarh	Rajnandgaon	Sarguja
Were freeze indicators packed with deliveries of freeze-sensitive vaccines?	0-1																
Does the staff know how to perform the shake test?	0-2	1	1	1	0.5	1	1			0.5	1			1	1	1	1
Was the vaccine ever discarded due to damage or expiry and is this reflected in the stock registers?	0-2					1	1				1			1		1	
were there any instances of vaccine being frozen during transportation?	0-1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
During the review, were freeze-sensitive vaccines found in a frozen or semi-frozen state?	0-5	5	3	2	3	1	5	1	1	3	3		1	2	3	5	
Was the damaged vaccine returned to and replaced by the primary store?	0-1																
<b>Total</b>	<b>12</b>	<b>7</b>	<b>5</b>	<b>4</b>	<b>4.5</b>	<b>4</b>	<b>8</b>	<b>2</b>	<b>2</b>	<b>4.5</b>	<b>6</b>	<b>1</b>	<b>2</b>	<b>5</b>	<b>5</b>	<b>8</b>	<b>2</b>
<b>Percentage</b>		<b>58%</b>	<b>42%</b>	<b>33%</b>	<b>38%</b>	<b>33%</b>	<b>67%</b>	<b>17%</b>	<b>17%</b>	<b>38%</b>	<b>50%</b>	<b>8%</b>	<b>17%</b>	<b>42%</b>	<b>42%</b>	<b>67%</b>	<b>17%</b>



# 9.

*Over a period of 12 months, the facility has followed standard operating procedures.*

Criteria	Score	Central Store	Bastar	Bilaspur	Dantewara	Dhamtari	Durg	Janjgir	Jashpur	Kanker	Kawardha	Korba	Korea	Mahasamund	Raigarh	Rajnandgaon	Sarguja
Does the store have a copy of the standard operating procedures?	0-1																
Is the staff trained to follow the standard operating procedures?	0-1	0.5		0.5	0.5	0.5	0.5		0.5		0.5			0.5	0.5	0.5	0.5
Are standard operating procedures followed?	0-1	0.5	0.5	0.5	0.5	0.5	1		0.5	0.5	0.5				0.5	0.5	0.5
<b>Total</b>	<b>3</b>	<b>1</b>	<b>0.5</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1.5</b>		<b>1</b>	<b>0.5</b>	<b>1</b>			<b>0.5</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Percentage</b>		<b>33%</b>	<b>17%</b>	<b>33%</b>	<b>33%</b>	<b>33%</b>	<b>50%</b>		<b>33%</b>	<b>17%</b>	<b>33%</b>			<b>17%</b>	<b>33%</b>	<b>33%</b>	<b>33%</b>

# 10.

*Over a period of 12 months, human and financial resources have been sufficient.*

Criteria	Scale	Central Store	Bastar	Bilaspur	Dantewara	Dhamtari	Durg	Janjgir	Jashpur	Kanker	Kawardha	Korba	Korea	Mahasamund	Raigarh	Rajnandgaon	Sarguja
<b>Does the site have a work plan to cover:</b>																	
Cold chain equipment?	0-4	2	2	2	2	2	2	2	2	2	2		2	2	1	2	2
Vehicles?	0-4		2			1	2	2	3	2		2	2	1	2	2	1
Maintenance issues?	0-4	2	2	2	2	2	2	1	1	2	2		1	2	1	3.5	2
Staff resources?	0-4	2	3	2	2	1	2		1	1	2			1	2	2	1
Staff training?	0-4	2	1	2	1	1	2		1	1	3			2	2	3	1

<b>Does the site demonstrate efficient functioning of:</b>																	
Cold chain equipment?	0-4	4	4	4	2	2	4	2	2	2	2	2	2	2	2	2	4
Vehicles?	0-4		2	4	3	1	2	2	4	2		2	2	1	2	2	2
Maintenance plan?	0-4	4	3	4	2	2	4	1	2	2	3		2	2	1	4	4
Staff resources?	0-4	3	3	3	2	1	2	1	2	1	2			1	3	2	2
Staff training?	0-4	3	2	3	1	1	2	1	1	1	3			2	2	3	2
<b>Total</b>	<b>40</b>	<b>22</b>	<b>24</b>	<b>26</b>	<b>17</b>	<b>14</b>	<b>24</b>	<b>12</b>	<b>19</b>	<b>16</b>	<b>19</b>	<b>6</b>	<b>11</b>	<b>16</b>	<b>18</b>	<b>25.5</b>	<b>21</b>
<b>Percentage</b>		<b>55%</b>	<b>60%</b>	<b>65%</b>	<b>43%</b>	<b>35%</b>	<b>60%</b>	<b>30%</b>	<b>48%</b>	<b>40%</b>	<b>48%</b>	<b>15%</b>	<b>28%</b>	<b>40%</b>	<b>45%</b>	<b>64%</b>	<b>53%</b>

## **APPENDIX D**

### **LIST OF SITES ASSESSED BY TECHNICIANS**

## SITES VISITED BY TECHNICIANS

District	Name of site	Site type	Block
Bastar	DHQ Jagdalpur	DHQ	Jagdalpur
Bastar	Abujhamand (Orchha)	CHC	Abujhamand (Orcha)
Bastar	Badekilepal	CHC	Badekilepal
Bastar	Bakawand	CHC	Bakaband
Bastar	Bastar	CHC	Bastar
Bastar	Bishrampuri	CHC	Bishrampur
Bastar	Darbha	CHC	Darbha
Bastar	Keshkal	CHC	Keskal
Bastar	Kondagaon	CHC	Kondagaon
Bastar	Lohandiguda	CHC	Lohandigunda
Bastar	Makdi	CHC	Makadi
Bastar	Narainpur	CHC	Narayanpur
Bastar	Pharasaon	CHC	Farsagaon
Bastar	Tokapal	CHC	Tokapal
Bastar	Aadawal	PHC	Jagdalpur
Bastar	Anantpur	PHC	Makadi
Bastar	Badedongar	PHC	Farsagaon
Bastar	Baderajpur	PHC	Bishrampur
Bastar	Bahigaon	PHC	Keskal
Bastar	Banoon	PHC	
Bastar	Banskot	PHC	Makadi
Bastar	Benur	PHC	Narayanpur
Bastar	Bhanpuri	PHC	Bastar
Bastar	Chandragiri	PHC	Darbha
Bastar	Chaparbhanpuri	PHC	Tokapal
Bastar	Chipawand	PHC	Kondagaon
Bastar	Chotedongar	PHC	Narayanpur
Bastar	Dhanora (Keskal)	PHC	Keskal
Bastar	Dhanora (Narayanpur)	PHC	Narayanpur
Bastar	Gundagaon	PHC	Bastar
Bastar	Kachnar	PHC	Bakaband

District	Name of site	Site type	Block
Bastar	Kalepal	PHC	Tokapal
Bastar	Kesarpal	PHC	Bastar
Bastar	Kohkameta	PHC	Abujhamand (Orcha)
Bastar	Kumrahwand	PHC	Jagdapur
Bastar	Mardapal	PHC	Kondagaon
Bastar	Mardoom	PHC	Lohandigunda
Bastar	Nagarnar	PHC	Jagdapur
Bastar	Nangur	PHC	Jagdapur
Bastar	Negamar	PHC	Darbha
Bastar	Sampur	PHC	Makadi
Bastar	Siganpur	PHC	Tokapal
Bastar	Titargaon	PHC	Jagdapur
Bilaspur	DHQ Bilaspur	DHQ	
Bilaspur	Bilha	CHC	Bilha
Bilaspur	CIMS Medical college	CHC	
Bilaspur	Civil Hospital (Bilha)	CHC	Bilha
Bilaspur	Gorella (1)	CHC	Gorella (1)
Bilaspur	Kota	CHC	Kota
Bilaspur	Loremi	CHC	Loremi
Bilaspur	Marwahi	CHC	Marwahi
Bilaspur	Mastori	CHC	Mastori
Bilaspur	Mungeli	CHC	Mungeli
Bilaspur	Takhatpur	CHC	Takhatpur
Bilaspur	Chakarbhata	PHC	Bilha
Bilaspur	Dashrangpur	PHC	Mungeli
Bilaspur	Ganiyari	PHC	Takhatpur
Bilaspur	Pathria	PHC	Pathria
Bilaspur	Pendra	PHC	Pendra
Bilaspur	Ratanpur	PHC	Kota
Bilaspur	Sakari	PHC	Takhatpur
Bilaspur	Salhegori	PHC	Loremi
Bilaspur	Saragaon	PHC	Pathria
Bilaspur	Seprat	PHC	Mastori

District	Name of site	Site type	Block
Dantewara	DHQ Dantewara	DHQ	
Dantewara	Bhairamgarh	CHC	Bhairamgarh
Dantewara	Bhopalpatnam	CHC	Bhopalpatanam
Dantewara	Bijapur	CHC	Bijapur
Dantewara	Chhindgarh	CHC	Chhindgarh
Dantewara	Dantewara	CHC	Dantewara
Dantewara	Geedam	CHC	Geedam
Dantewara	Katekalyan	CHC	Katekalayan
Dantewara	Konta	CHC	Konta
Dantewara	Kuwakonda	CHC	Kuankonda
Dantewara	Sukma	CHC	Sukma
Dantewara	Usur	CHC	Usoor
Dantewara	Arahanpur	PHC	Kuankonda
Dantewara	Badebacheli	PHC	Dantewara
Dantewara	Badegudra	PHC	Katekalayan
Dantewara	Badetumnar	PHC	Geedam
Dantewara	Barsur	PHC	Geedam
Dantewara	Basagunda	PHC	Usoor
Dantewara	Bhusaras	PHC	Katekalayan
Dantewara	Burdi	PHC	Sukma
Dantewara	Dornapal	PHC	Konta
Dantewara	Gadiras	PHC	Sukma
Dantewara	Goreli	PHC	Chhindgarh
Dantewara	Ilmidi	PHC	Usoor
Dantewara	Jagargunda	PHC	Konta
Dantewara	Kerlapal	PHC	Sukma
Dantewara	Kirandul	PHC	Kuankonda
Dantewara	Madderh	PHC	Bhopalpatanam
Dantewara	Metapal	PHC	Dantewara
Dantewara	Palanar	PHC	Kuankonda
Dantewara	Pamed	PHC	Usoor
Dantewara	Pharaspal	PHC	Geedam
Dantewara	Podung	PHC	Dantewara

District	Name of site	Site type	Block
Dantewara	Potali	PHC	Kuankonda
Dantewara	Pusgudi	PHC	Usoor
Dantewara	Puspal	PHC	Chhindgarh
Dantewara	Sameli	PHC	Kuankonda
Dantewara	Surnar	PHC	Katekalayan
Dantewara	Tarlagunda	PHC	Bhopalpatanam
Dantewara	Tompal	PHC	Chhindgarh
Dhamtari	DHQ Dhamtari	DHQ	
Dhamtari	Dhamtari (Gujra)	CHC	Dhamtari
Dhamtari	Kurud	CHC	Kurud
Dhamtari	Magarlod	CHC	Magarlod
Dhamtari	Nagari (Sihava)	CHC	Nagri (Sihava)
Dhamtari	Badikerali	PHC	Magarlod
Dhamtari	Belergaon	PHC	Nagri (Sihava)
Dhamtari	Bhatgaon (Dhamtari)	PHC	Dhamtari
Dhamtari	Dugli	PHC	Nagri (Sihava)
Dhamtari	Gattasilli	PHC	Nagri (Sihava)
Dhamtari	Jijamgaon	PHC	Kurud
Dhamtari	Kandel	PHC	Dhamtari
Dhamtari	Keregaon	PHC	Nagri (Sihava)
Dhamtari	Sihava	PHC	Nagri (Sihava)
Dhamtari	Sirri	PHC	Kurud
Durg	DHQ Durg	DHQ	Durg
Durg	Arjunda	CHC	Gunderdehi
Durg	Balod	CHC	Balod
Durg	Berla	CHC	Berla
Durg	Dhamdha	CHC	Dhamdha
Durg	Dondi	CHC	Dondi
Durg	Dondi Lohara	CHC	Dondi Lohara
Durg	Gunderdehi	CHC	Gunderdehi
Durg	Gurur	CHC	Gurur
Durg	Khandsara	CHC	Khandsara
Durg	Nawagarh	CHC	Nawagarh

District	Name of site	Site type	Block
Durg	Nikum	CHC	Nikum
Durg	Patan	CHC	Patan
Durg	Saja	CHC	Saja
Durg	Utai	CHC	Nikum
Durg	Ahiwara	PHC	Dhamdha
Durg	Amadula	PHC	Dondi
Durg	Bemetara	PHC	Khandsara
Durg	Bhilai 3	PHC	Patan
Durg	Bhilai sector 8	PHC	Nikum
Durg	Chandanu	PHC	Khandsara
Durg	Chhirha	PHC	Khandsara
Durg	Chikhalakasa	PHC	Dondi
Durg	Dadhi	PHC	Khandsara
Durg	Dargaon	PHC	Dhamdha
Durg	Durg OPD	PHC	
Durg	Gadadih	PHC	Patan
Durg	Ghotiya	PHC	Dondi
Durg	Gujra	PHC	Durg
Durg	Gundheli	PHC	Berla
Durg	Hanoda	PHC	Nikum
Durg	Jheet	PHC	Patan
Durg	J-Sankara	PHC	Balod
Durg	Kalangpur	PHC	Gunderdehi
Durg	Khursipar	PHC	Nikum
Durg	Khursul	PHC	Nikum
Durg	Litiya (Bori)	PHC	Dhamdha
Durg	Mahud	PHC	Gunderdehi
Durg	Mangchua	PHC	Dondi Lohara
Durg	Maro	PHC	Nawagarh
Durg	Murmunda (Dhamdha)	PHC	Dhamdha
Durg	Nagpura	PHC	Nikum
Durg	Nahanda	PHC	Dondi Lohara
Durg	Nandghat	PHC	Nawagarh



District	Name of site	Site type	Block
Durg	Nankatti	PHC	Nikum
Durg	Palari (Gurur)	PHC	Gurur
Durg	Pendrawan	PHC	Dhamdha
Durg	Perpodi	PHC	Saja
Durg	Pipechedi	PHC	Balod
Durg	Purur	PHC	Gurur
Durg	Ranchirai	PHC	Gunderdehi
Durg	Ranitarai	PHC	Patan
Durg	Rasmadah	PHC	Nikum
Durg	Sambelpur	PHC	Nawagarh
Durg	Sanjari	PHC	Dondi Lohara
Durg	Sirsida	PHC	Gunderdehi
Durg	Supela	PHC	Nikum
Durg	Surdongar	PHC	Dondi
Durg	Surdung	PHC	Dhamdha
Durg	Suregaon	PHC	Dondi Lohara
Durg	Temari	PHC	Nawagarh
Durg	Than Khamhariya	PHC	Saja
Durg	UFW Centre Durg	PHC	Durg
Janjgir	DHQ Janjgir	DHQ	
Janjgir	Akaltara	CHC	Akaltara
Janjgir	Baloda	CHC	Baloda
Janjgir	Bamhndih	CHC	Bamhani Deh
Janjgir	Dabhara	CHC	Dabra
Janjgir	Jaijaipur	CHC	Jaijpur
Janjgir	Janjgir (Nawagarh)	CHC	Akaltara
Janjgir	Malkharoda	CHC	Malkharoda
Janjgir	Pamgarh	CHC	Pamgarh
Janjgir	Champa Civil dispensory	PHC	Akaltara
Janjgir	Chandrapur	PHC	Dabra
Janjgir	Shivrinarayan	PHC	Nawagarh
Jashpur	DHQ Jashpur	DHQ	

District	Name of site	Site type	Block
Jashpur	Bagicha	CHC	
Jashpur	Duldula	CHC	Duldula
Jashpur	Kansabel	CHC	Karabel
Jashpur	Kunkuari	CHC	Kunkuri
Jashpur	Manora	CHC	Manora
Jashpur	Parsabahar	CHC	
Jashpur	Pathalgaon	CHC	Pathalgaon
Jashpur	Aara (Jashpunagar)	PHC	Jashpunagar
Jashpur	Aasta	PHC	Manora
Jashpur	Baghbahra	PHC	Pathalgaon
Jashpur	Bataikela	PHC	
Jashpur	Bhagora	PHC	Tapkara
Jashpur	Champa	PHC	Bagicha
Jashpur	Chichli	PHC	Bagicha
Jashpur	Cohan	PHC	
Jashpur	Dokada	PHC	Karabel
Jashpur	Goriya	PHC	
Jashpur	Kalega	PHC	Bagicha
Jashpur	Kastura	PHC	Duldula
Jashpur	Keradih	PHC	
Jashpur	Kerarai	PHC	Tapkara
Jashpur	Kilkila	PHC	Pathalgaon
Jashpur	Kotaba	PHC	Pathalgaon
Jashpur	Kukargaon	PHC	Pathalgaon
Jashpur	Kurog	PHC	Bagicha
Jashpur	Laudang	PHC	Jashpunagar
Jashpur	Menhi	PHC	Bagicha
Jashpur	Narayanpur	PHC	
Jashpur	Palidih	PHC	
Jashpur	Peku	PHC	Jashpunagar
Jashpur	Pendrapath	PHC	Bagicha
Jashpur	Ranpur	PHC	
Jashpur	Sanna	PHC	Bagicha

District	Name of site	Site type	Block
Jashpur	Shekharpur	PHC	Pathalgaon
Jashpur	Son Bayari	PHC	Manora
Jashpur	Tamta	PHC	Pathalgaon
Jashpur	Tapkara	PHC	Tapkara
Kanker	DHQ Kanker	DHQ	Kanker
Kanker	Antagarh	CHC	Aantagarh
Kanker	Bhanupratapur	CHC	Bhanupratapur
Kanker	charama	CHC	Charama
Kanker	Durgu kondal	CHC	Durgkondal
Kanker	Koyali beda	CHC	Koyelobeda
Kanker	Sarona (Narharpurn)	CHC	Sarona (Naharpur)
Kanker	Amoda	PHC	Sarona (Naharpur)
Kanker	Badgaon (Koyelobeda)	PHC	Koyelobeda
Kanker	Bande	PHC	Koyelobeda
Kanker	Bhanbeda	PHC	Bhanupratapur
Kanker	Civil Hospital (Kanker)	PHC	Kanker
Kanker	Damkasa	PHC	Durgkondal
Kanker	Dhaneli Kanhar	PHC	Kanker
Kanker	Halba	PHC	Charama
Kanker	Haradula	PHC	Charama
Kanker	Kapsi	PHC	Koyelobeda
Kanker	Korar	PHC	Bhanupratapur
Kanker	kottara	PHC	Charama
Kanker	Lakhanpuri	PHC	Charama
Kanker	Pathanjoor	PHC	Koyelobeda
Kanker	Pedapal	PHC	Kanker
Kanker	Sarona	PHC	Sarona (Naharpur)
Kanker	Tadoki	PHC	Aantagarh
Kawardha	DHQ Kawardha	DHQ	
Kawardha	Bodla	CHC	Bodla
Kawardha	Kawarda	CHC	Kawardha
Kawardha	Pandariya	CHC	Pandariya
Kawardha	Sahaspur lohara	CHC	Sahaspur lohar

District	Name of site	Site type	Block
Kawardha	Bhibori	PHC	Sahaspur lohar
Kawardha	Chirpani	PHC	Pandariya
Kawardha	Damapur	PHC	Pandariya
Kawardha	Kishangarh	PHC	Pandariya
Kawardha	Kukudar	PHC	Pandariya
Kawardha	Kunda	PHC	Pandariya
Kawardha	Panda tarai	PHC	Pandariya
Kawardha	Pipariya	PHC	Kawardha
Kawardha	Rengakhar	PHC	Bodla
Kawardha	Taregaon	PHC	Bodla
Korba	DHQ Korba	DHQ	
Korba	Kartala	CHC	Kartala
Korba	Katghora	CHC	Katghoda
Korba	Korba	CHC	Korba
Korba	Pali	CHC	Pali
Korba	Podi Uproda	CHC	Pondi Uprera
Korba	Ajgar Bahar	PHC	Korba
Korba	Bhaisma	PHC	Korba
Korba	Chiknipali	PHC	Kartala
Korba	Farsawani	PHC	Kartala
Korba	Hardibazar	PHC	Pali
Korba	Jataga	PHC	Pondi Uprera
Korba	Kerakchar	PHC	Kartala
Korba	Korgoma	PHC	Korba
Korba	Kothari	PHC	Kartala
Korba	Kudumura	PHC	Korba
Korba	Lafa	PHC	Pali
Korba	Lemaru	PHC	Korba
Korba	Mahora	PHC	Pondi Uprera
Korba	Mongra	PHC	Katghoda
Korba	Morga	PHC	Pondi Uprera
Korba	Pasan	PHC	Pondi Uprera
Korba	Rampur	PHC	Kartala

District	Name of site	Site type	Block
Korba	Saragbudhiya	PHC	Kartala
Korba	Shayang	PHC	Korba
Korba	Tilkeja	PHC	Korba
Korba	Tuman	PHC	Pondi Uprera
Korea	DHQ Baikunthpur	DHQ	
Korea	Bharatpur (Janakpur)	CHC	Bharatpur
Korea	Khadgawan	CHC	Khadgawan
Korea	Manendragarh	CHC	Manendragarh
Korea	Sonahat	CHC	Sonahat
Korea	Bachrapodi	PHC	Khadgawan
Korea	Badesalhi	PHC	Khadgawan
Korea	Belbehra	PHC	Manendragarh
Korea	Bharatpur	PHC	Bharatpur
Korea	Buhar	PHC	Bakunthpur
Korea	Chirmiri	PHC	Khadgawan
Korea	Katgodi	PHC	Sonahat
Korea	Kelhari	PHC	Manendragarh
Korea	Kotadol	PHC	Bharatpur
Korea	Kuwarpur	PHC	Bharatpur
Korea	Madisarai	PHC	Bharatpur
Korea	Mansukh	PHC	Bakunthpur
Korea	Nagpur	PHC	Manendragarh
Korea	Patna	PHC	Bakunthpur
Korea	Ramgarh	PHC	Sonahat
Korea	Salka(Khadgawan)	PHC	Khadgawan
Korea	Sonhari	PHC	Manendragarh
Korea	Tegni	PHC	Bakunthpur
Mahasamund	DHQ Mahasamund	DHQ	
Mahasamund	Bagbahara	CHC	Bagbahara
Mahasamund	Basna	CHC	Basna
Mahasamund	Pithora	CHC	Pithora
Mahasamund	Saraipali	CHC	Saraipali
Mahasamund	Baloda (Saraipali)	PHC	Saraipali

District	Name of site	Site type	Block
Mahasamund	Baroli	PHC	Basna
Mahasamund	Bhitideah	PHC	Pithora
Mahasamund	Bhurkoni	PHC	Pithora
Mahasamund	Birkoni	PHC	Mahasamund
Mahasamund	Chanat	PHC	Basna
Mahasamund	CS office	PHC	Mahasamund
Mahasamund	Jhalap	PHC	Mahasamund
Mahasamund	Jhara	PHC	Mahasamund
Mahasamund	Khallari	PHC	Bagbahara
Mahasamund	Khatti	PHC	Mahasamund
Mahasamund	Komakhan	PHC	Bagbahara
Mahasamund	Pathsendari	PHC	Saraipali
Mahasamund	Pirda	PHC	Pithora
Mahasamund	Sankara	PHC	Pithora
Mahasamund	Tumgaon	PHC	Mahasamund
Raigarh	DHQ Raigarh	DHQ	Raigarh
Raigarh	Chapla	CHC	Kharsia
Raigarh	Dharamjaigarh	CHC	Dharamjaigarh
Raigarh	Gharghoda	CHC	Gharghoda
Raigarh	Kharsia	CHC	Kharsia
Raigarh	Lailunga	CHC	Lailunga
Raigarh	Pussor	CHC	Pussor
Raigarh	Tamnar	CHC	Tamnar
Raigarh	Vijayanagar (Kapu)	CHC	Dharamjaigarh
Raigarh	Badebhandar	PHC	Pussor
Raigarh	Bangursiya	PHC	Raigarh
Raigarh	Baramkela	PHC	Sariya lengha
Raigarh	Barra	PHC	Kharsia
Raigarh	Bhedban	PHC	Saranggarh
Raigarh	Bijkot	PHC	Kharsia
Raigarh	Chal	PHC	Dharamjaigarh
Raigarh	Chalha	PHC	Dharamjaigarh
Raigarh	Dongarpali	PHC	Sariya lengha

District	Name of site	Site type	Block
Raigarh	Dumarpali	PHC	Raigarh
Raigarh	Godam	PHC	Saranggarh
Raigarh	Hati	PHC	Dharamjaigarh
Raigarh	Hirri	PHC	Saranggarh
Raigarh	Jobi	PHC	Kharsia
Raigarh	Kankaya	PHC	Gharghoda
Raigarh	Keya	PHC	Gharghoda
Raigarh	Khamar	PHC	Dharamjaigarh
Raigarh	Kodatarai	PHC	Pussor
Raigarh	Kosir	PHC	Saranggarh
Raigarh	Kudamkela	PHC	Gharghoda
Raigarh	Kumarta	PHC	Dharamjaigarh
Raigarh	Lamdad	PHC	Lailunga
Raigarh	Laripani	PHC	Lailunga
Raigarh	Libra	PHC	Tamnar
Raigarh	Loing	PHC	Raigarh
Raigarh	Midmida	PHC	Pussor
Raigarh	Mugdega	PHC	Lailunga
Raigarh	Nandeli	PHC	Raigarh
Raigarh	Navrangpur	PHC	Raigarh
Raigarh	Nukdega	PHC	Lailunga
Raigarh	Putkapuri	PHC	Pussor
Raigarh	Rajpur (Lailunga)	PHC	Lailunga
Raigarh	Saranggarh	PHC	Saranggarh
Raigarh	Sariya	PHC	Sariya lengha
Raigarh	Sariya lengha	PHC	Sariya lengha
Raigarh	Sarwani	PHC	Kharsia
Raigarh	Sisinga	PHC	Dharamjaigarh
Raigarh	Tendanawapara	PHC	Gharghoda
Raigarh	Turekela	PHC	Kharsia
Raigarh	UFWC (HQ) Raigarh	PHC	Raigarh
Raigarh	Urba	PHC	Tamnar
Raigarh	Vijayanagar	PHC	Dharamjaigarh

District	Name of site	Site type	Block
Raipur	CS Raipur	CS	
Raipur	Abhanpur	CHC	Abhnupur
Raipur	Arang	CHC	Arang
Raipur	Baloudabajar (Lavan)	CHC	Baloda bazar
Raipur	Bhatapara	CHC	Bhatapara
Raipur	Bhilaigarh	CHC	Bhilaigarh
Raipur	Chhura	CHC	Chura
Raipur	Deobhog	CHC	Devbhog
Raipur	Dharsiwa	CHC	Dharsiva
Raipur	Gariyaband	CHC	Gariyaband
Raipur	Kasdol	CHC	Kasdol
Raipur	Mainpur	CHC	Menpur
Raipur	Palari	CHC	Palari
Raipur	Phingeshwar	CHC	Fingeshwar
Raipur	Simga	CHC	Simga
Raipur	Tilda	CHC	Tilda
Raipur	Amasini	PHC	Dharsiva
Raipur	Amlimandar	PHC	Menpur
Raipur	Barpali	PHC	Kasdol
Raipur	Bhansoj	PHC	Arang
Raipur	Bhatagaon	PHC	Dharsiva
Raipur	Bhatgaon (Bhilaigarh)	PHC	Bhilaigarh
Raipur	Boriyakalan	PHC	Dharsiva
Raipur	Champaran	PHC	Abhnupur
Raipur	Chandkhuri farm	PHC	Arang
Raipur	Dr. Ambedkar Hospital	PHC	Raipur
Raipur	Gidhpuri	PHC	Palari
Raipur	Hathband	PHC	Simga
Raipur	Jhakarpara	PHC	Devbhog
Raipur	Jhangaon	PHC	Menpur
Raipur	Katangi	PHC	Kasdol
Raipur	Kharora	PHC	Tilda
Raipur	Khilora	PHC	Abhnupur



District	Name of site	Site type	Block
Raipur	Kondkera	PHC	Fingeshwar
Raipur	Kopra	PHC	Fingeshwar
Raipur	Kosmandi	PHC	Palari
Raipur	Kurud Kutela	PHC	Arang
Raipur	Lakhanpur (Palari)	PHC	Palari
Raipur	Lavan	PHC	Baloda bazar
Raipur	Mandhar	PHC	Dharsiva
Raipur	Mandir Hasid	PHC	Arang
Raipur	Mopar	PHC	Bhatapara
Raipur	Nawapara	PHC	Abhnupur
Raipur	Nipniya	PHC	Bhatapara
Raipur	Panduka	PHC	Chura
Raipur	Patsivni	PHC	Chura
Raipur	Pharphoud	PHC	Arang
Raipur	Piprachedi	PHC	Gariyaband
Raipur	Raja devri	PHC	Kasdol
Raipur	Rajim	PHC	Fingeshwar
Raipur	Rasla	PHC	Chura
Raipur	Risda	PHC	Baloda bazar
Raipur	Rohansi	PHC	Palari
Raipur	Sarsiwa	PHC	Bhilaigarh
Raipur	Silyari	PHC	Dharsiva
Raipur	Sonakhan	PHC	Kasdol
Raipur	Suhela	PHC	Simga
Raipur	Torla	PHC	Abhnupur
Raipur	Udan	PHC	Palari
Raipur	UFWC Kalibadi	PHC	Raipur
Raipur	Urmal	PHC	Menpur
Rajnandgaon	DHQ Rajnandgaon	DHQ	Rajnandgaon
Rajnandgaon	Ambagarh Chowki	CHC	Ambagarh Chowki
Rajnandgaon	Chuikhadan	CHC	Chuikhadan
Rajnandgaon	Churiya	CHC	Churiya
Rajnandgaon	Dongargaon	CHC	Dongargaon

District	Name of site	Site type	Block
Rajnandgaon	Dongargarh	CHC	Dongargarh
Rajnandgaon	Ghumka	CHC	Ghumka
Rajnandgaon	Khairagarh	CHC	Khairagarh
Rajnandgaon	Manpur	CHC	Manpur
Rajnandgaon	Mohla	CHC	Mohla
Rajnandgaon	Aasara	PHC	Dongargaon
Rajnandgaon	Badgaon (Dongargaon)	PHC	Dongargaon
Rajnandgaon	Basadi	PHC	Mohla
Rajnandgaon	Bharitola	PHC	Manpur
Rajnandgaon	Chilhati	PHC	Ambagarh Chowki
Rajnandgaon	Dangarh	PHC	Mohla
Rajnandgaon	Dugrideahkala	PHC	Rajnandgaon
Rajnandgaon	Ganadhatola	PHC	Churiya
Rajnandgaon	Gandai	PHC	Chuikhadan
Rajnandgaon	Gotatola	PHC	Mohla
Rajnandgaon	Jalabandha	PHC	Khairagarh
Rajnandgaon	Khadgaon	PHC	Manpur
Rajnandgaon	Kodikasan	PHC	Ambagarh Chowki
Rajnandgaon	Kumardha	PHC	Churiya
Rajnandgaon	Lalbahadurnagar	PHC	Dongargarh
Rajnandgaon	Mohra	PHC	Dongargarh
Rajnandgaon	Murmunda	PHC	Dongargarh
Rajnandgaon	Ondhi	PHC	Manpur
Rajnandgaon	Ramatola	PHC	Dongargarh
Rajnandgaon	Rangkatera	PHC	Ghumka
Rajnandgaon	Salehvara	PHC	Chuikhadan
Rajnandgaon	Somni	PHC	Ghumka
Rajnandgaon	Surgi	PHC	Ghumka
Rajnandgaon	Tappa	PHC	Dongargaon
Rajnandgaon	Udaipur	PHC	Chuikhadan
Rajnandgaon	UFHS	PHC	Rajnandgaon
Rajnandgaon	Umarwahi	PHC	Churiya
Sarguja	DHQ Sarguja	DHQ	

District	Name of site	Site type	Block
Sarguja	Balrampur	CHC	Balrampur
Sarguja	Batoli	CHC	Batoli
Sarguja	Bhayadhan	CHC	Bhayadhan
Sarguja	Dhourpur	CHC	Dhourpur
Sarguja	Kusmi	CHC	Kusmi
Sarguja	Lakhanpur	CHC	Lakhanpur
Sarguja	Odgi	CHC	Odgi
Sarguja	Pratapur	CHC	Pratapur
Sarguja	Premnagar	CHC	Premnagar
Sarguja	Rajpur	CHC	Rajpur
Sarguja	Ramanujganj	CHC	Ramchandrapur
Sarguja	Ramanujnagar	CHC	Ramanujnagar
Sarguja	Shankargarh	CHC	Shankargarh
Sarguja	Sitapur	CHC	Sitapur
Sarguja	Surajpur	CHC	Surajpur
Sarguja	Udaypur	CHC	Udaypur
Sarguja	Wadarfarnagar	CHC	Wadarfarnagar
Sarguja	Aara (Rajpur)	PHC	Rajpur
Sarguja	Ajabnagar	PHC	Surajpur
Sarguja	Bafoli	PHC	Ambikapur
Sarguja	Bandana	PHC	Menpat
Sarguja	Bargideh	PHC	Dhourpur
Sarguja	Bariyo	PHC	Rajpur
Sarguja	Barkela	PHC	Ambikapur
Sarguja	Bartikalan	PHC	Wadarfarnagar
Sarguja	Basdei	PHC	Surajpur
Sarguja	Bataikela (Batoli)	PHC	Batoli
Sarguja	Batra	PHC	Bhayadhan
Sarguja	Bhatgaon (Bhayadhan)	PHC	Bhayadhan
Sarguja	Biharpur Chandni	PHC	Odgi
Sarguja	Bishrampur (Surajpur)	PHC	Surajpur
Sarguja	Chalgali	PHC	Wadarfarnagar
Sarguja	Chandarpur	PHC	Ramanujnagar

District	Name of site	Site type	Block
Sarguja	Chando	PHC	Kusmi
Sarguja	Chandrameda	PHC	Bhaiyathan
Sarguja	Darima	PHC	Ambikapur
Sarguja	Depadeah	PHC	Shankargarh
Sarguja	Devnagar	PHC	Ramanujnagar
Sarguja	Dharampur	PHC	Pratapur
Sarguja	Dhodhagaon	PHC	Sitapur
Sarguja	Dumardeh	PHC	Dhourpur
Sarguja	Dumarkhola	PHC	Balrampur
Sarguja	Ganeshpur	PHC	Ramanujnagar
Sarguja	Ghutarapara	PHC	Batoli
Sarguja	Gopalpur	PHC	Rajpur
Sarguja	Gorpani	PHC	Bhayadhan
Sarguja	Gumgara	PHC	Lakhanpur
Sarguja	Guturma	PHC	Sitapur
Sarguja	Jamwantpur (aaragahi)	PHC	Ramchandrapur
Sarguja	Jawaharnagar	PHC	Kusmi
Sarguja	Kamalpur	PHC	Surajpur
Sarguja	Kamari	PHC	Shankargarh
Sarguja	Kamleshwarapur	PHC	Menpat
Sarguja	Kandarai	PHC	Surajpur
Sarguja	Karsi	PHC	Pratapur
Sarguja	Kedma	PHC	Udaypur
Sarguja	Ketaka	PHC	Surajpur
Sarguja	Lanjit	PHC	Odgi
Sarguja	Lehpatra	PHC	Lakhanpur
Sarguja	Lundra	PHC	Dhourpur
Sarguja	Maharajganj	PHC	Balrampur
Sarguja	Narbadapur	PHC	
Sarguja	Nawanagar	PHC	Ambikapur
Sarguja	Pampapur	PHC	Pratapur
Sarguja	Pasta	PHC	Balrampur
Sarguja	Patora	PHC	Dhourpur

District	Name of site	Site type	Block
Sarguja	Raghunath nagar	PHC	Wadarfarnagar
Sarguja	Raghunathpur	PHC	Dhourpur
Sarguja	Ramchandrapur	PHC	Ramchandrapur
Sarguja	Ramkola	PHC	Pratapur
Sarguja	Revati	PHC	Pratapur
Sarguja	Revatpur	PHC	Rajpur
Sarguja	Salka (Aghina)	PHC	Bhayadha n
Sarguja	Salka(Udaypur)	PHC	Udaypur
Sarguja	Samri	PHC	Kusmi
Sarguja	Sanawal	PHC	Ramchandrapur
Sarguja	Silota	PHC	Pratapur
Sarguja	Sonagara	PHC	Pratapur
Sarguja	Sonpur	PHC	Bhayadhan
Sarguja	Sukheri	PHC	Ambikapur
Sarguja	Tatijhariya	PHC	
Sarguja	Umreshravpur	PHC	Premnagar

## **APPENDIX E**

### **LIST OF EQUIPMENT INSTALLED AT DISTRICT STORE**

The following Table lists the inventory of refrigeration units in each district store. The units are classified as large and small based on the storage capacity of the equipment. Large equipment has a gross capacity of 300 litres, while smaller units have an average gross capacity of 130 litres. The operational status of the equipment is stated against the serial number of the equipment as “W”, “N/W” and “B/R”, which stands for “Working”, “Not Working/Repairable” and “Beyond Repair” respectively.

List of sites		Deep Freezer		Ice-Lined Refrigerator	
		Large	Small	Large	Small
District	Site				
Raipur	Central Store Raipur	N/A W	N/A W	N/A W	N/A W
		N/A W	N/A W	N/A W	N/A W
		N/A W	N/A W	N/A W	
		N/A W		N/A W	
		N/A W		N/A W	
		N/A W		N/A W	
		N/A W		N/A W	
		N/A BR N/A W			
<b>Total Working Units</b>		7	3	6	2
<b>Total Beyond Repair Units</b>		1	0	0	0
<b>Total Repairable Units</b>		0	0	0	0
<b>Total Units</b>		<b>8</b>	<b>3</b>	<b>6</b>	<b>2</b>
Bastar	District store Jagdalpur	7274 W	89140232 NW	14312689 NW	BD0590E01008448 W
		20030404043 W	90355294 NW	90210642 W	BU4B50067 W
		7276 W	89140124 NW	N/A NW	
		90300171 W		91202721 NW	
		8646 NW		65000174 W	
		903000171 W			
<b>Total Working Units</b>		6	0	2	2
<b>Total Beyond Repair Units</b>		0	0	0	0
<b>Total Repairable Units</b>		0	3	3	0
<b>Total Units</b>		<b>6</b>	<b>3</b>	<b>5</b>	<b>2</b>
Bilaspur	District store Bilaspur	20013605966 W	N/A W	65000343 W	N/A W
		20030404193 W		200241902756 W	N/A W
		N/A W		90210659 W	65116202 W
		9037011 W			N/A W
		20013606034 W			
		N/A W			
<b>Total Working Units</b>		6	1	3	4
<b>Total Beyond Repair Units</b>		0	0	0	0
<b>Total Repairable Units</b>		0	0	0	0
<b>Total Units</b>		<b>6</b>	<b>1</b>	<b>3</b>	<b>4</b>
Dantewara	District store Dantewara	13608631 W	89140776 NW	90210647 W	BQ4A80066 W
		13608636 W	31614716 W	685B285487 NW	89153828 NW
			91004495 NW	BQ4B-4910007 W	BQ4A0275 W
			Z9304034 NW	B04B500077 W	BQ4A30013 W
					43300216 W
					43300250 W
			BQ4ALO273 W		
			BQ4A90067 W		

List of sites		Deep Freezer		Ice-Lined Refrigerator	
		Large	Small	Large	Small
District	Site				
					BQ4A50616 W BQ4A50463 W BA4A50628 W 90406076 NW BQ4A80089 W BQ4A80092 W BQ4A50653 W BQ4A50465 W BQ4A80096 W BQ4A90068 W 6953900 NW BQ4A80091 W BQ4A80295 W BQ4A80063 W 90405923 BR BQ4A50606 W
<b>Total Working Units</b>		2	1	3	20
<b>Total Beyond Repair Units</b>		0	0	0	1
<b>Total Repairable Units</b>		0	3	1	3
<b>Total Units</b>		<b>2</b>	<b>4</b>	<b>4</b>	<b>24</b>
Dhamtari	District store Dhamtari	90300035 W 8076 NW	91007924 W 65116387 W 88451710 BR 91308049 NW	90210646 W DU4V600738 W	50213063 W N/A NW 90409308 W 65115274 NW
<b>Total Working Units</b>		1	2	2	2
<b>Total Beyond Repair Units</b>		0	1		0
<b>Total Repairable Units</b>		1	1		2
<b>Total Units</b>		<b>2</b>	<b>4</b>	<b>2</b>	<b>4</b>
Durg	District store Durg	90300136 W 90300017 W 20024902872 W 64518036 W		65000235 W 14312711 W 91202553 W 50121920 W 90210589 W	65117111 W BU4B60108 W BU4B50146 W 14418635 W
<b>Total Working Units</b>		4		5	4
<b>Total Beyond Repair Units</b>		0		0	0
<b>Total Repairable Units</b>		0		0	0
<b>Total Units</b>		<b>4</b>	<b>0</b>	<b>5</b>	<b>4</b>
Janjgir	District store Janjgir	20013606030 W 20030404194 W		14312592 W	20043904021 W
<b>Total Working Units</b>		2	0	1	1
<b>Total Beyond Repair Units</b>		0	0	0	0
<b>Total Repairable Units</b>		0	0	0	0
<b>Total Units</b>		<b>2</b>	<b>0</b>	<b>1</b>	<b>1</b>
Jashupur	District store Jashpur	90300578 W 20013608606 W 20013608640 W	7972 BR	90210692 W	20032300013 W 2003230128 W 20032300092 W 65115257 W



List of sites		Deep Freezer		Ice-Lined Refrigerator	
		Large	Small	Large	Small
District	Site				
<b>Total Working Units</b>		3	0	1	4
<b>Total Beyond Repair Units</b>		0	1	0	0
<b>Total Repairable Units</b>		0	0	0	0
<b>Total Units</b>		<b>3</b>	<b>1</b>	<b>1</b>	<b>4</b>
Kanker	District store Kanker	64918533 W	90355183 BR 89140130 BR 7178 W 7259 W 89140204 BR	91202279 W 65000236 W	90406040 W 89153915 BR 43300240 W
<b>Total Working Units</b>		1	2	2	2
<b>Total Beyond Repair Units</b>		0	3	0	1
<b>Total Repairable Units</b>		0	0	0	0
<b>Total Units</b>		<b>1</b>	<b>5</b>	<b>2</b>	<b>3</b>
Kavarda	District store Kawardha	90300162 W N/A W		91202547 W	N/A W
<b>Total Working Units</b>		2	0	1	1
<b>Total Beyond Repair Units</b>		0	0	0	0
<b>Total Repairable Units</b>		0	0	0	0
<b>Total Units</b>		<b>2</b>	<b>0</b>	<b>1</b>	<b>1</b>
Korba	District store Korba	N/A W N/A NW	89012760 W	20013903920 W	20013904070 W N/A W N/A W 20032109450 W
<b>Total Working Units</b>		1	1	1	4
<b>Total Beyond Repair Units</b>		0	0	0	0
<b>Total Repairable Units</b>		1	0	0	0
<b>Total Units</b>		<b>2</b>	<b>1</b>	<b>1</b>	<b>4</b>
Korea	District store Baikunthpur	20013608593 NW	20032109298 W 20013900631 W 25112471 BR 91010355 NW 91004512 W	N/A BR	20013904022 W 20013903894 W 20013903900 W 14900463 W
<b>Total Working Units</b>		0	3	0	4
<b>Total Beyond Repair Units</b>		0	1	1	0
<b>Total Repairable Units</b>		1	1	0	0
<b>Total Units</b>		<b>1</b>	<b>5</b>	<b>1</b>	<b>4</b>
Mahasamund	District store Mahasamund				90405997 W
<b>Total Working Units</b>		0	0	0	1
<b>Total Beyond Repair Units</b>		0	0	0	0
<b>Total Repairable Units</b>		0	0	0	0
<b>Total Units</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>
Raigarh	District store Raigarh	90300571 NW 7374 W 20024902825 W 20013606033 W	65113661 W 65113658 W 20032005324 W 90355350 W	65000228 W 50121926 W	35012054 W 44713072 W 14918232 W 6117146 W 43300230 W

List of sites		Deep Freezer		Ice-Lined Refrigerator	
		Large	Small	Large	Small
District	Site				
					65115206 W 65115058 W 65117122 NW
<b>Total Working Units</b>		3	4	2	7
<b>Total Beyond Repair Units</b>		0	0	0	0
<b>Total Repairable Units</b>		1	0	0	1
<b>Total Units</b>		<b>4</b>	<b>4</b>	<b>2</b>	<b>8</b>
Rajnandgaon	District store Rajnandgaon	89400242 BR 96K1853 W 89400326 BR 90300087 W 87112350 BR	N/A BR 89021485 BR 7296 NW 65114856 NW 89012595 BR 65114951 BR 89021714 BR	89394841 BR 91202695 W 65000214 W	88440542 BR 88440711 BR 88440412 BR 88440223 BR 88440539 BR 88440799 W 88440432 BR 65117135 W 88440401 BR 88440421 BR 88440544 BR 88440216 BR 65117149 BR
<b>Total Working Units</b>		2	0	2	2
<b>Total Beyond Repair Units</b>		3	5	1	11
<b>Total Repairable Units</b>		0	2		0
<b>Total Units</b>		<b>5</b>	<b>7</b>	<b>3</b>	<b>13</b>
Sarguja	District store Sarguja	54518000 W 2001360860 W	24821095 W 89140196 W 24914110 BR 20032109175 W	N/A W F193828 W 65000219 W	43300305 BR 90162483 BR 90162347 BR 43300256 BR 43219884 W 43300271 BR 15100326 W 65116176 W 90405772 W 43300179 BR 90162355 BR
<b>Total Working Units</b>		2	3	3	4
<b>Total Beyond Repair Units</b>		0	1	0	7
<b>Total Repairable Units</b>		0	0	0	0
<b>Total Units</b>		<b>2</b>	<b>4</b>	<b>3</b>	<b>11</b>
<b>Grand Total</b>		<b>50</b>	<b>42</b>	<b>40</b>	<b>90</b>

## Appendix F

Detailed list of refrigeration units in the state (with serial numbers)

The following table lists the inventory of refrigeration units in the state. The units are classified as large and small based on the storage capacity of the equipment. Large units have a gross capacity of 300 litres, and small units have an average gross capacity of 130 litres. The operational status of the unit is affixed to the serial number of the equipment as “W”, “N/W” and “B/R” which stands for “Working”, “Not Working/Repairable” and “Beyond Repair” respectively.

List of sites			Deep Freezer		Ice-Lined Refrigerator	
			Large	Small	Large	Small
District	Site	Type				
Bastar	DHQ Jagdalpur	DHQ	90300171 W	89140124 NW	N/A NW	BD0590E01008448 W
			8646 NW	90355294 NW	65000174 W	BU4B50067 W
			20030404043 W	89140232 NW	90210642 W	
			903000171 W		91202721 NW	
			7276 W		14312689 NW	
		7274 W				
	Abujhamand (Orchha)	CHC		31614677 W		BQ4A50657 NW 89153826 BR
	Badekilepal	CHC		31614756 W 31600933 W		15100331 W
	Bakawand	CHC		20031808991 W 31611964 W		50213844 W
	Bastar	CHC		65114925 W 31612198 W		BQ4A50668 W 90405567 W BQ4A50632 W 8915461 NW
	Bishrampur	CHC		31600945 W 31600921 W	N/A NW	13904016 W
	Darbha	CHC	13608590 W	31600952 W 31600926 W		90405421 W 25100209 W
	Keshkal	CHC		91004660 W 31515203 W		BQ4A80081 W 43219927 W BQ4A20524 W 9040664 W
Kondagaon	CHC	8376 W	89140108 W	FR8-5G W	BQ4A-90008 W BQ4A80262 W 43300232 W 90405992 W	
Lohandiguda	CHC		44720429 W 91004648 W		43318422 W 90405603 W	
Makdi	CHC		31614757 W 44720903 W		13904053 NW 44710649 W	
Narainpur	CHC	64517907 W			BQ0580E0100 W 90406056 W	
Pharasaon	CHC		90355172 NW 13900725 W		32200459 W BQ4A20472 W 50219302 W	
Tokapal	CHC		44720420 W		BQ4A80083 W	

List of sites			Deep Freezer		Ice-Lined Refrigerator	
			Large	Small	Large	Small
District	Site	Type				
						43300255 NW 43217094 W 43300181 W
	Aadawal	PHC	20030404118 W			50218617 W
	Anantpur	PHC				65117163 W
	Badedongar	PHC		31600892 W		43217077 W
	Baderajpur	PHC				85117184 W
	Bahigaon	PHC		65114019 W		9511694 W
	Banskot	PHC				65117200 W
	Benur	PHC				65117203 W
	Bhanpuri	PHC		31612164 NW		43300457 W
	Chandragiri	PHC				43300409 W
	Chaparbhanpuri	PHC		90355279 NW 31614743 W		50213877 W
	Chipawand	PHC		31614744 W		90405734 W 24920919 W
	Chotedongar	PHC		31612145 W		25100142 W
	Dhanora (Keskal)	PHC		31600817 W		25100160 W
	Gundagaon	PHC		13900728 W		90406092 W
	Kachnar	PHC		91007801 W		9040B371 W
	Kesarpal	PHC		55113981 W		65115392 W
	Kohkameta	PHC		20032109190 W		20032109474 W
	Mardapal	PHC		31614740 W		8915391 NW 44710735 NW
	Mardoom	PHC				90405739 W BQ4AL0509 W
	Nagarnar	PHC				65117202 W
	Nangur	PHC		44720673 W 91004681 W 31600894 W		13903914 W BQ4A50547 W BQ4A50631 W
	Neganar	PHC		91005075 W		43219968 W
	Sampur	PHC				BQ4A25035 W
	Siganpur	PHC				55117171 W
<b>Total Working Units</b>			9	35	3	56
<b>Total Beyond Repair Units</b>			0	0	0	1
<b>Total Repairable Units</b>			1	6	4	7
<b>Total Units</b>			<b>10</b>	<b>41</b>	<b>7</b>	<b>64</b>
Bilaspur	DHQ Bilaspur	DHQ	N/A W 9037011 W N/A W 20030404193 W 20013605966 W 20013606034 W	N/A W	90210659 W 65000343 W 200241902756 W	N/A W N/A W N/A W 65116202 W
	Bilha	CHC	13189180648 W	91401241 W		65115349 W
	CIMS Medical college	CHC				N/A W 6511729 W
	Civil Hospital (Bilha)	CHC	88434897 W	20031809023 W		25117615 W
	Gorella (1)	CHC		65114006 W		65116154 W

List of sites			Deep Freezer		Ice-Lined Refrigerator	
			Large	Small	Large	Small
District	Site	Type				
				65114914 W		90405558 W
	Kota	CHC		65113684 W		43219902 W 65116203 W
	Loremi	CHC	64918538 W	65114863 W 91307754 W		15100027 W
	Marwahi	CHC		65113988 NW 65113691 W 8370 W		43300443 NW 65115362 W
	Mastori	CHC		65113969 W 89021503 W		24921077 W 65116209 W
	Mungeli	CHC	96K1833 W	91401223 W 65113700 W		35012002 W 65116140 W
	Takhatpur	CHC		65113964 W		85118170 W
	Chakarbhata	PHC		20031809031 W		35012019 W
	Ganiyari	PHC		91307729 W		35011881 W
	Pathria	PHC		65114859 W		65116177 W
	Pendra	PHC		65114016 W		44700338 W 65116187 W 91007863 W
	Ratanpur	PHC		65113686 W		6515382 W
	Sakari	PHC		91401361 W		90405434 W
	Saragaon	PHC			BQ4480253 W	90405980 W
	Sepat	PHC		910078276 W		65116189 W
<b>Total Working Units</b>			10	22	4	29
<b>Total Beyond Repair Units</b>			0	0	0	0
<b>Total Repairable Units</b>			0	1	0	1
<b>Total Units</b>			<b>10</b>	<b>23</b>	<b>4</b>	<b>30</b>
Dantewara	DHQ Dantewara	DHQ	13608636 W 13608631 W	91004495 NW 31614716 W 89140776 NW Z9304034 NW	685B285487 NW B04B500077 W 90210647 W BQ4B-4910007 W	BQ4A90068 W BQ4A80091 W BQ4A50606 W 90405923 BR BQ4A0275 W BQ4A80295 W BA4A50628 W BQ4A80096 W BQ4A80066 W BQ4ALO273 W BQ4A50463 W BQ4A80063 W 89153828 NW BQ4A90067 W BQ4A80092 W BQ4A50616 W BQ4A80089 W BQ4A30013 W 43300216 W 43300250 W 90406076 NW

List of sites			Deep Freezer		Ice-Lined Refrigerator	
			Large	Small	Large	Small
District	Site	Type				
						BQ4A50653 W BQ4A50465 W 6953900 NW
	Bhairamgarh	CHC		31614745 BR 65113993 W		65115352 W BQ4480096 W 44710444 W
	Bhopalpatnam	CHC		N/A W N/A W	N/A W	N/A W N/A W
	Bijapur	CHC		44720867 W 31600893 W 31614625 W 31612192 W		65117142 W 25117743 W 89154002 NW
	Chhindgarh	CHC		44720713 W 35011992 W	BAS-15 NW	
	Dantewara	CHC		31600902 W 91004669 W		43300263 W 43300263 NW 90405790 W
	Geedam	CHC		31600941 W		9140459 W 25100898 W
	Katekalyan	CHC		44720426 W 90355284 W	N/A NW	90162616 BR 44623046 W
	Konta	CHC		31611952 NW 2808616 BR		15018223 W 31611989 W 65117187 W
	Kuwakonda	CHC		13900684 W	BASNO.23 W	
	Sukma	CHC		91007627 W 90355265 W		90409408 W 90405845 W 43300435 W 4170425 W
	Usur	CHC		91004495 W N/A W		90405454 W N/A W
	Badebacheli	PHC		89140638 W		90409392 W 89153893 W
	Badegudra	PHC		44720388 W		90405438 W
	Badetumnar	PHC		13900699 W		13904026 W
	Barsur	PHC		90355187 BR		25100167 W
	Basagunda	PHC		N/A W		N/A W
	Dornapal	PHC		31600931 W		43300281 W
	Gadiras	PHC		31614703 W		15100513 W
	Ilmidi	PHC		N/A W		N/A W
	Jagargunda	PHC		90355167 NW 31611991 NW 31612116 NW		32300237 NW 31613012 W
	Kerlapal	PHC		65114004 W		65115358 W
	Kirandul	PHC		65113917 W		65115353 W
	Madderh	PHC		N/A W		N/A W
	Palanar	PHC				65117162 W
	Pharaspal	PHC				65117165 W

List of sites			Deep Freezer		Ice-Lined Refrigerator	
			Large	Small	Large	Small
District	Site	Type				
	Puspal	PHC		32005481 W		43219921 W
	Sameli	PHC		90355409 NW		
	Tompal	PHC		91005234 W		90406060 W
<b>Total Working Units</b>			2	32	5	58
<b>Total Beyond Repair Units</b>			0	3	0	2
<b>Total Repairable Units</b>			0	8	3	6
<b>Total Units</b>			2	43	8	66
Dhamtari	DHQ Dhamtari	DHQ	8076 NW 90300035 W	91007924 W 65116387 W 88451710 BR 91308049 NW	90210646 W DU4V600738 W	50213063 W N/A NW 65115274 NW 90409308 W
	Dhamtari (Gujra)	CHC	20013608645 W			65115393 W
	Kurud	CHC		65113696 W		15018245 W BQ4AL0534 W
	Magarlod	CHC		65113676 W 91401218 W		24000930 W 90409413 NW 65115361 W
	Nagari (Sihava)	CHC		65114868 W		65115434 W BQ4A50464 W
	Badikerali	PHC		20032109228 W		BQ4AL0454 W 20032300084 W
	Belergaon	PHC		20013900669 W		24921070 BR 20013904045 W
	Dugli	PHC		65114877 W		65115199 W
	Jijamgaon	PHC		2003210916 W		20032300236 W
	Kandel	PHC				BQ4A50626 W
	Keregaon	PHC		20032109117 W		2003230030060 W
	Sihava	PHC				BQ4AL0438 W
<b>Total Working Units</b>			2	11	2	17
<b>Total Beyond Repair Units</b>			0	1	0	1
<b>Total Repairable Units</b>			1	1	0	3
<b>Total Units</b>			3	13	2	21
Durg	DHQ Durg	DHQ	90300017 W 90300136 W 20024902872 W 64518036 W		91202553 W 14312711 W 65000235 W 50121920 W 90210589 W	BU4B50146 W 14418635 W BU4B60108 W 65117111 W
	Arjunda	CHC		88481536 W		43300332 W 89071977 BR
	Balod	CHC	20013608620 W 96K1858 W	87272816 BR		35012020 W 87263721 W
	Berla	CHC		91401256 W 8239 W		43300209 W 20406062 W 87263867 BR
	Dhamdha	CHC		8123 W 91308022 W		25019119 W
	Dondi	CHC		91004651 W 87272840 BR		24921080 W 90406030 W



List of sites			Deep Freezer		Ice-Lined Refrigerator	
			Large	Small	Large	Small
District	Site	Type				
	Dondi Lohara	CHC		87272831 W 8105 W		89063518 BR 43219885 W
	Gunderdehi	CHC	87112309 W			25000474 W
	Gurur	CHC	87112374 W			43300338 W
	Khandsara	CHC		91307423 W		35012060 W 90406020 W
	Nawagarh	CHC	96K1889 W	87272837 BR 20032005315 W		35012037 W
	Nikum	CHC		87272809 W		15100307 W
	Patan	CHC	87112521 W			35011856 W
	Saja	CHC		88451679 BR 8161 W 20031809048 W		25019212 W
	Utai	CHC		88451781 W		24921144 W
	Ahiwara	PHC		65114001 W		6511617 W
	Bemetara	PHC	96k1877 W 20013608633 W	91308056 W	20024902777 W	64321976 W
	Bhilai 3	PHC		88451393 BR 65114880 W		88461039 BR 35011925 W
	Bhilai sector 8	PHC		65113967 W		65115356 BR 64321975 W
	Chikhalakasa	PHC		88451392 W 91004463 W		25000473 W
	Dadhi	PHC		44720811 W		50217267 W
	Dargaon	PHC		65113971 W		65116143 W
	Durg OPD	PHC				65117148 W
	Gadadih	PHC				44720839 W 50217365 W
	Ghotiya	PHC				90406046 W
	Gujra	PHC		8062 NW 20013900761 W		24921129 W 90405492 W
	Gundheli	PHC		44720902 W		35012045 W
	Hanoda	PHC		65114865 W		65115356 BR 20032300146 W
	Jheet	PHC		65113958 W		65115351 W
	J-Sankara	PHC				65116152 W
	Kalangpur	PHC		65113929 W		65116148 W
	Khursipar	PHC		65114873 W		65116137 W
	Khursul	PHC				N/A W
	Litiya (Bori)	PHC		65113985 W		62010416 W
	Mahud	PHC		91308047 W		50213512 W
	Mangchua	PHC		44720699 NW		50213039 W
	Maro	PHC		65113926 W		65115401 W
	Murmunda (Dhamdha)	PHC		65114860 W		87263800 BR 35012023 W
	Nahanda	PHC		91307404 W		90406096 W N/A W

List of sites			Deep Freezer		Ice-Lined Refrigerator	
			Large	Small	Large	Small
District	Site	Type				
	Nandghat	PHC				50213672 W
	Nankatti	PHC		65113938 W		65115360 W
	Palari (Gurur)	PHC		44720946 W		50213175 W
	Pendrawan	PHC		91308025 W		90405748 W
	Perpodi	PHC		65114844 W		65116145 W
	Pipechedi	PHC				62010419 W
	Purur	PHC		65113963 W		62010412 W
	Ranchirai	PHC		20031809018 W		BQ4A 50600 W
	Ranitarai	PHC		65113919 W		65115391 W
	Rasmadah	PHC		884454461 W		242920945 W
	Sambelpur	PHC		65113960 W		65110158 W
	Sirsida	PHC		65113955 W		65116161 W
	Supela	PHC	96K1913 W	88451537 BR		40101101 W
	Surdung	PHC		91307743 W		90409373 W
	Suregaon	PHC		91010774 W		90406115 W
	Temari	PHC		65113921 W		65116172 W
	Than Khamhariya	PHC		91306009 W 88451711 W		24920978 W
	UFW Centre Durg	PHC	96K1000 W	91401336 W		24920961 W 65116201 W
<b>Total Working Units</b>			14	49	6	68
<b>Total Beyond Repair Units</b>			0	6	0	7
<b>Total Repairable Units</b>			0	2	0	0
<b>Total Units</b>			<b>14</b>	<b>57</b>	<b>6</b>	<b>75</b>
Janjgir	DHQ Janjgir	DHQ	20030404194 W 20013606030 W		14312592 W	20043904021 W
	Akaltara	CHC		20031808977 W 65114867 W		65115196 W 35011981 W
	Baloda	CHC		65114021 W 20032309191 W		65116162 W 20013903907 W
	Bamhmidih	CHC		91007918 W 65113896 W		15100137 W 65116190 W
	Dabhara	CHC	96K1875 W	65113979 W		32711786 W 65116141 W
	Jaijaipur	CHC		20052109262 W 65113992 W		65116175 W 15100273 W
	Janjgir (Nawagarh)	CHC	N/A W	65114897 W		65118194 W
	Malkharoda	CHC		65113972 W		24920943 W 20032200398 W
	Pamgarh	CHC		65114892 W		651115357 W 15100060 W 91401219 W
	Champa Civil dispensory	PHC		65114916 W		65116164 W
	Chandrapur	PHC		65114901 W		65115350 W
<b>Total Working Units</b>			4	14	1	19
<b>Total Beyond Repair Units</b>			0	0	0	0
<b>Total Repairable Units</b>			0	0	0	0
<b>Total Units</b>			<b>4</b>	<b>14</b>	<b>1</b>	<b>19</b>

List of sites			Deep Freezer		Ice-Lined Refrigerator	
			Large	Small	Large	Small
District	Site	Type				
Jashupur	DHQ Jashpur	DHQ	20013608640 W 90300578 W 20013608606 W	7972 BR	90210692 W	20032300013 W 65115257 W 20032300092 W 2003230128 W
	Bagicha	CHC		65114932 W 91007631 W		65115281 W 44713588 W
	Duldula	CHC		65114947 W		65115228 W 44713528 W
	Kansabel	CHC		65113748 W		90355308 BR 65115231 W 43300301 W
	Kunkuari	CHC		65113776 W 20032005319 W		65115198 W 20013903980 W
	Manora	CHC		65114917 W 20031809004 W		4321990 W 65115213 NW
	Parsabahar	CHC		20031809027 W 65113657 W		65115215 W N/A BR
	Pathalgaon	CHC	20013608650 W	98007827 W 65113656 W		65115245 W 50213634 W
	Cohan	PHC		20013900682 NW 65113714 W		20013904021 W
	Kotaba	PHC		65112660 W		
	Sanna	PHC		89021415 BR 65114930 W		65115239 W 88440304 BR
	Tapkara	PHC				50213688 W 91004551 W
	<b>Total Working Units</b>			4	15	1
<b>Total Beyond Repair Units</b>			0	2	0	3
<b>Total Repairable Units</b>			0	1	0	1
<b>Total Units</b>			<b>4</b>	<b>18</b>	<b>1</b>	<b>24</b>
Kanker	DHQ Kanker	DHQ	64918533 W	90355183 BR 89140130 BR 7259 W 7178 W 89140204 BR	65000236 W 91202279 W	89153915 BR 90406040 W 43300240 W
	Antagarh	CHC		14913278 W 91004456 W		90405589 W
	Bhanupratapur	CHC	20013606658 W	90355168 W		90405447 W 15018228 W
	charama	CHC		14913017 W 91004625 W		90406098 W 43300299 W
	Durgu kondal	CHC		31611951 W		50213003 W
	Koyali beda	CHC		31600918 W		35011780 W
	Sarona (Narharpurn)	CHC		91004698 W		90406002 W
	Amoda	PHC		31614751 W		6511721 W 89153945 W
	Bande	PHC		31612200 W		50213697 W
	Civil Hospital (Kanker)	PHC			N/A W	65117160 W

List of sites			Deep Freezer		Ice-Lined Refrigerator	
			Large	Small	Large	Small
District	Site	Type				
						50213891 W 50213889 W
	Damkasa	PHC		20032109215 W		65115404 W
	Dhaneli Kanhar	PHC		20013900677 W	N/A BR	9409367 W 20013904080 W
	Halba	PHC		90362732 W		43217105 W
	Kapsi	PHC		91007629 W		90408340 W 50213565 W
	Korar	PHC		3161251 W		43300194 W
	Lakhanpuri	PHC				65117158 W
	Pathanjoor	PHC		89140644 W		90405785 W
	Pedapal	PHC				65117137 W
	Sarona	PHC		65113982 W 31611965 W		20013904104 W
	Tadoki	PHC				65117128 W
<b>Total Working Units</b>			2	20	3	28
<b>Total Beyond Repair Units</b>			0	3	1	1
<b>Total Repairable Units</b>			0	0	0	0
<b>Total Units</b>			<b>2</b>	<b>23</b>	<b>4</b>	<b>29</b>
Kavarda	DHQ Kawardha	DHQ	90300162 W N/A W		91202547 W	N/A W
	Bodla	CHC		65114855 W 14913289 W		BQ4A80101 W 50213897 W 50213542 W
	Kawarda	CHC		25011916 W 20013900877 W 20032109080 W		65115031 W 20032300247 W 44713436 W
	Pandariya	CHC		88431172 W 65114017 W 20032109324 W		65116144 W 2003200045 W 90409471 W 35011939 W
	Sahaspur lohara	CHC		91004522 W 89021669 W 65114953 W 20032108751 W		90406100 W 65115045 W 15118864 W BQ4AL0516 W
	Kukudar	PHC		91005212 W		50213110 W
	Kunda	PHC		89021422 W		20013903959 W
	Pipariya	PHC		91004461 W		90409301 W
	Rengakhar	PHC		65113681 W		90409298 W
	Taregaon	PHC				50213315 W
<b>Total Working Units</b>			2	16	1	20
<b>Total Beyond Repair Units</b>			0	0	0	0
<b>Total Repairable Units</b>			0	0	0	0
<b>Total Units</b>			<b>2</b>	<b>16</b>	<b>1</b>	<b>20</b>
Korba	DHQ Korba	DHQ	N/A NW N/A W	89012760 W	20013903920 W	20013904070 W N/A W 20032109450 W N/A W

List of sites			Deep Freezer		Ice-Lined Refrigerator	
			Large	Small	Large	Small
District	Site	Type				
	Kartala	CHC		89012898 W 65114010 W		3504991 W 85115363 W
	Katghora	CHC		8136 W 65113989 W		65116168 W
	Korba	CHC	20013605993 W	20031502200 W		20032200449 W
	Pali	CHC		20031808999 W		65116200 W
	Podi Uproda	CHC		65114020 W 65114845 W		31714575 W 65116186 W 65116193 W
	Hardibazar	PHC		65114546 W		24920836 W
	Mongra	PHC				24921142 W
	Pasan	PHC		65114920 W		65116135 W
<b>Total Working Units</b>			2	11	1	15
<b>Total Beyond Repair Units</b>			0	0	0	0
<b>Total Repairable Units</b>			1	0	0	0
<b>Total Units</b>			3	11	1	15
Korea	DHQ Baikunthpur	DHQ	20013608593 NW	25112471 BR 20013900631 W 91010355 NW 91004512 W 20032109298 W	N/A BR	14900463 W 20013904022 W 20013903900 W 20013903894 W
	Bharatpur (Janakpur)	CHC		20031809012 W 91010351 W	WRN32RGG3 W	90405497 W 15100256 W
	Khadgawan	CHC	N/A W	91009990 W	WRN32RGG3 W	15018365 W
	Manendragarh	CHC		20031900664 W 31614040 W	N/A BR WRN32RGG3 W	90162444 BR 15100011 W
	Sonahat	CHC		N/A W		N/A W BQ4AL0550 W BQ4L0555 W
	Bachrapodi	PHC		44720693 W		43300235 W
	Chirmiri	PHC		90355157 W	TCW1151 BR	43219904 W
	Kelhari	PHC		24617945 BR 31641754 W		15018277 W
	Nagpur	PHC				43300195 W
	Patna	PHC		31814117 W		15100579 W
Salka(Khadgawan)	PHC		31614042 W			
<b>Total Working Units</b>			1	14	3	16
<b>Total Beyond Repair Units</b>			0	2	3	1
<b>Total Repairable Units</b>			1	1	0	0
<b>Total Units</b>			2	17	6	17
Mahasamund	DHQ Mahasamund	DHQ				90405997 W
	Bagbahara	CHC	200313608607 NW	65114875 W 20032109280 W		20013903988 W 24921125 W 20032300078 W
	Basna	CHC		20013900659 W 91307801 W		20013904029 W 24921026 W 65116213 W
	Pithora	CHC		91007346 W		50213036 W

List of sites			Deep Freezer		Ice-Lined Refrigerator	
			Large	Small	Large	Small
District	Site	Type				
	Saraipali	CHC	20013608649 W	65114866 W		24000926 W 0408058 W 65115426 W
	Baloda (Saraipali)	PHC		65118536 W		65115602 W
	Bhurkoni	PHC		65113713 W		65115433 W
	CS office	PHC		91308021 W		24000934 W
	Jhalap	PHC		65114872 W		65115439 W
	Komakhani	PHC		20013900672 W		65115214 W
	Pirda	PHC		65113725 W		65115388 W
	Sankara	PHC		65114895 W		65116212 W
	Tumgaon	PHC		65113701 W		65115383 W
<b>Total Working Units</b>			<b>1</b>	<b>14</b>	<b>0</b>	<b>19</b>
<b>Total Beyond Repair Units</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Repairable Units</b>			<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Units</b>			<b>2</b>	<b>14</b>	<b>0</b>	<b>19</b>
Raigarh	DHQ Raigarh	DHQ	7374 W 20013606033 W 90300571 NW 20024902825 W	20032005324 W 90355350 W 65113661 W 65113658 W	50121926 W 65000228 W	6117146 W 35012054 W 43300230 W 65115058 W 44713072 W 14918232 W 65115206 W 65117122 NW
	Chapla	CHC		65113673 W 65113664 W		43300302 W 65215254 W
	Dharamjaigarh	CHC		65113764 W		6511543 W
	Gharghoda	CHC		65113650 W		20032200468 W 65115196 W
	Kharsia	CHC		90355241 NW 65113699 W		65115224 W 89158940 NW
	Lailunga	CHC	90300543 W	65113766 W		65115229 W 50213052 W
	Pussor	CHC		65713757 W		65115204 W 15100564 NW
	Tamnar	CHC		65113659 W 20031808962 W		65115232 W 43216836 W
	Vijayanagar (Kapu)	CHC		91010577 W		65115197 W
	Baramkela	PHC		65114940 W		35012039 W 20032109487 W 20032200412 W
	Jobi	PHC		20013900686 W		200139003925 W
	Kodatarai	PHC		91007635 W		20013904055 W
	Kosir	PHC		91004644 W		90406049 W
	Loing	PHC		65113655 W		65115255 W 15018233 NW
	Mugdega	PHC		20013900810 W		90406079 W
	Nandeli	PHC		91004884 W		9045947 W
Saranggarh	PHC	64918510 W	91010139 W		15100358 W	

List of sites			Deep Freezer		Ice-Lined Refrigerator	
			Large	Small	Large	Small
District	Site	Type				
				65114922 W 7712 W		
	Sariya lengha	PHC		91007810 W		90406104 W
	UFWC (HQ) Raigarh	PHC		89080665 BR 65113763 W		43300294 W 65115202 W
	Vijayanagar	PHC		N/A BR 65113645 W		65115208 W 50213047 NW
<b>Total Working Units</b>			5	27	2	33
<b>Total Beyond Repair Units</b>			0	2	0	0
<b>Total Repairable Units</b>			1	1	0	5
<b>Total Units</b>			<b>6</b>	<b>30</b>	<b>2</b>	<b>38</b>
Raipur	CS Raipur	CS	N/A W N/A W N/A W N/A W N/A W N/A W N/A BR N/A W	N/A W N/A W N/A W	N/A W N/A W N/A W N/A W N/A W	N/A W N/A W
	Abhanpur	CHC		20032005322 W		BQ4B80031 W 24000943 W
	Arang	CHC		65114864 W 88451423 BR		88440578 NW 23915929 W
	Baloudabajar (Lavan)	CHC	961909 NW	65115407 W		24920965 W 65114858 W
	Bhatapara	CHC		65113718 W		BQ4A80027 W 65115211 W
	Bilaigarh	CHC	54918494 W			BQ4Q80061 W 24000937 W
	Chhura	CHC		20031809051 W		N/A W 250318323 W
	Deobhog	CHC		65114910 W 88451827 NW		24920819 W 65115366 W
	Dharsiwa	CHC		14913275 W		2400897 W
	Gariyaband	CHC		65114893 W		BQ0580E0100 W N/A W 24513951 W 65117133 W
	Kasdol	CHC	20024902837 W			BQ4QLB445 W 651154437 W
	Mainpur	CHC	90300191 W			65115378 W
	Palari	CHC	8059 NW	65113794 W		25116510 W
	Phingeshwar	CHC		14913292 W		BQ49R0286 W 25019214 W
	Simga	CHC		91305068 W	BQ4N0034 W	65115205 W
Tilda	CHC		20031809013 W N/A W 8169 W		BQ4Q80065 W 26117621 NW 20032109368 W	

List of sites			Deep Freezer		Ice-Lined Refrigerator	
			Large	Small	Large	Small
District	Site	Type				
	Amlimandar	PHC		88451813 W		24920913 NW
	Bhatgaon (Bhilaigarh)	PHC	24920965 NW 901909 NW			65115407 W
	Champanan	PHC		65113675 W		65115431 W
	Chandkhuri farm	PHC				65117136 W
	Dr. Ambedkar Hospital	PHC		96K1713 W		24000939 W
	Hathband	PHC	961909 W			65114421 W
	Jhakarpara	PHC		6514910 W		65115366 W
	Kharora	PHC		65114922 W		24920911 W
	Khilora	PHC				43300320 W
	Kopra	PHC		65113710 W		65115430 W
	Lavan	PHC		65114885 W		15018235 W BQ448RD286 W
	Mandhar	PHC		91307702 W		90405553 W
	Mandir Hasid	PHC		651148498 W		65116218 W
	Nawapara	PHC		65113720 W		43217110 W
	Nipniya	PHC	96K1632 W			65115219 W
	Panduka	PHC		20013900644 W		43300237 W
	Pharphoud	PHC		65114868 W		65116220 W
	Piprachedi	PHC		65114893 W		65115399 W
	Rajim	PHC		91307703 W		4330075 W
	Rohansi	PHC		65113736 W		65116192 W
	Sarsiwa	PHC		14913268 W		24920912 W
	Silyari	PHC		65114887 W		65115400 W
	Suhela	PHC		65113790 W		65115397 W
	UFWC Kalibadi	PHC		89021700 W		24921009 W
	Urmal	PHC		65113719 W		65115373 W
<b>Total Working Units</b>			12	37	7	54
<b>Total Beyond Repair Units</b>			1	1	0	0
<b>Total Repairable Units</b>			4	1	0	3
<b>Total Units</b>			<b>17</b>	<b>39</b>	<b>7</b>	<b>57</b>
Rajnandgaon	DHQ Rajnandgaon	DHQ	90300087 W 89400242 BR 87112350 BR 96K1853 W 89400326 BR	N/A BR 65114856 NW 89021714 BR 89021485 BR 7296 NW 89012595 BR 65114951 BR	89394841 BR 91202695 W 65000214 W	88440799 W 65117135 W 88440711 BR 88440412 BR 88440421 BR 88440223 BR 88440401 BR 88440539 BR 88440544 BR 88440432 BR 65117149 BR 88440216 BR 88440542 BR
	Ambagarh Chowki	CHC		91004697 W 65114849 W		90405507 W 65115035 W BQ4AL0559 W
	Chuikhadan	CHC	89400352 BR	91007291 W	90210606 W	24921179 W



List of sites			Deep Freezer		Ice-Lined Refrigerator	
			Large	Small	Large	Small
District	Site	Type				
			64918506 W			
	Churiya	CHC		89012801 BR 65114869 W		250000440 W 90405987 W 65115221 W
	Dongargaon	CHC		250115133 W 65114942 W		65115041 W 20032300278 W BQ4A80249 W
	Dongargarh	CHC		89021416 W 20013900674 W		90405959 W 50213435 W 24921255 W 20013904081 W BQ4A80057 W BQ4AL0533 W BQ4AL0543 W
	Ghumka	CHC	90300044 W	65114852 W		50217252 W 65115021 W
	Khairagarh	CHC	96K1890 W	88431170 W		50213591 W 90405777 W BQ49R0294 W
	Manpur	CHC		20013900651 W		BQ4AL0536 W BQ4A50512 W BQ4A50625 W 65115006 W
	Mohla	CHC	N/A W		91202196 NW	BQ4AL9557 W BU4B60021 W
	Aasara	PHC				BQ4A50696 W 50217381 W
	Basadi	PHC		65114882 W		65115077 W
	Bharitola	PHC		65114851 W		50217405 W
	Chilhathi	PHC		65114857 W		65115038 W
	Dangarh	PHC		89021639 W		15100340 W
	Ganadhatola	PHC				65115060 W
	Gandai	PHC		65114927 W		65115062 W
	Gotatola	PHC	96K1636 W			50213700 W
	Jalabandha	PHC		65114929 W		65115039 W
	Khadgaon	PHC		89021633 W		50213209 W
	Kodikasan	PHC				50213451 W
	Kumardha	PHC		14921479 W		65116173 W
	Lalbahadurnagar	PHC		20031809007 W		20032300325 W
	Mohra	PHC		25012341 W		20032300129 W
	Murmunda	PHC		65114938 W		65115075 W
	Ondhi	PHC		25011491 W		50213338 W
	Ramatola	PHC		65114908 W		65110568 W
	Salehvara	PHC		65113753 W		65115056 W
	Somni	PHC		25011501 W		50213327 W
	Tappa	PHC				50213593 W 20013904127 W
	UFHS	PHC	20024902862 W			64321959 W

List of sites			Deep Freezer		Ice-Lined Refrigerator	
			Large	Small	Large	Small
District	Site	Type				
			20013508615 W			50213675 W
	Umarwahi	PHC		91004487 W		90405465 W
<b>Total Working Units</b>			9	27	3	55
<b>Total Beyond Repair Units</b>			4	6	1	11
<b>Total Repairable Units</b>			0	2	1	0
<b>Total Units</b>			<b>13</b>	<b>35</b>	<b>5</b>	<b>66</b>
Sarguja	DHQ Sarguja	DHQ	2001360860 W 54518000 W	24821095 W 89140196 W 24914110 BR 20032109175 W	N/A W F193828 W 65000219 W	43300179 BR 90405772 W 43219884 W 90162347 BR 90162483 BR 43300256 BR 65116176 W 43300271 BR 15100326 W 90162355 BR 43300305 BR
	Balrampur	CHC		89140201 BR 91010024 W 44720372 W	43CK900312 W 1151 W	50213720 W
	Batoli	CHC		89021589 W		65117167 W 50213687 W
	Bhayadhan	CHC		91004531 W	43ck900654 W	90405919 W BQ4AL0492 W 90404953 W
	Dhourpur	CHC		90355921 W		BQ4A50516 W 90405444 W BQ4A80220 W 43300271 W BQ4A80289 W
	Kusmi	CHC		65113662 W BQ4AL50555 W 14913257 BR 44720866 W	N/A W N/A BR	BQ4AL0515 W N/A BR 65115044 BR N/A BR
	Lakhanpur	CHC		31613961 NW 89140528 BR	N/A W	BQ4A50762 NW BQ4A60749 W 20032300090 W
	Odgi	CHC		24821269 W 9035535 W 14913290 BR	43CK900655 W N/A BR	BQ4A50695 W 15100021 W BQ4AL0497 W
	Pratappur	CHC		65114950 W 91010341 W		5021394 W 65116198 W
	Premnagar	CHC		24914102 W 65114022 W 31614062 BR		43300296 BR BQ4AL0151 W BQ4AL0288 W
	Rajpur	CHC		N/A BR 91004450 W	WRL32RGG3 W N/A BR	15100525 W 944622922 W
	Ramanujanj	CHC		91010348 W		BQ4AL0101 W

List of sites			Deep Freezer		Ice-Lined Refrigerator	
			Large	Small	Large	Small
District	Site	Type				
				31515383 W 20032109095 W		8040569 W 43318423 W BQ4A80277 W
	Ramanujnagar	CHC		65114023 W N/A BR		65115408 W BQ4AL0561 W 50214867 W
	Shankargarh	CHC		65113680 W 31614064 W N/A BR		BQ4A50583 W 64321951 W N/A BR
	Sitapur	CHC		31614118 W		90409303 W 15100308 W
	Surajpur	CHC		90355165 BR 91010004 W	33CK900303 W	15100069 W
	Udaypur	CHC		44720888 W 65114948 W N/A BR 65114944 W	N/A BR	15100398 W
	Wadarfarnagar	CHC		65114847 W 44720852 W	43CK900325 W	BQ4AL0551 W 65116518 W 43300444 BR BQ4AL0508 W
	Ajabnagar	PHC				BQ4A80234 W 65115354 W
	Bafoli	PHC				N/A BR N/A BR BQ4AL0141 W BQ4AL0493 W 90405425 BR
	Bandana	PHC				65117204 W
	Bariyo	PHC		91010114 W		15100037 W
	Batra	PHC				20013904009 W
	Bhatgaon (Bhayadhan)	PHC		65114944 W		65116147 W
	Bishrampur (Surajpur)	PHC		90355905 W		15100025 W
	Chalgali	PHC		91010128 W		BQ4A50594 NW
	Darima	PHC		65114891 W	N/A W	316100521 BR
	Devnagar	PHC		24914152 W		15100312 W
	Dharampur	PHC				BQ4A50617 W
	Dumarkhola	PHC				BQ4AL0140 W
	Ganeshpur	PHC				BQ4AL0215 W
	Gumgara	PHC				BQ4A80251 W
	Kamleshwarpur	PHC			BQ4AL0271 W	20013804038 W
	Kedma	PHC		91007573 W		65116179 W
	Lehpatra	PHC		65114026 W		65116205 W
	Lundra	PHC				BQ4A80052 W
	Maharajganj	PHC				BQ4AL W
	Narbadapur	PHC		90355310 W 20032109122 W	N/A W N/A BR	BQ4AL0457 W BQ4A80232 W BQ4A8056 W

List of sites			Deep Freezer		Ice-Lined Refrigerator	
			Large	Small	Large	Small
District	Site	Type				
						90405468 W
	Pasta	PHC				BQ4AL0236 NW
	Raghunathpur	PHC				BQ4AL0137 W
	Salka (Aghina)	PHC				BQ4A W N/A BR
	Sonpur	PHC				91208460 W
	Sukheri	PHC		9101013 W		90409337 W
<b>Total Working Units</b>			2	42	15	70
<b>Total Beyond Repair Units</b>			0	11	5	18
<b>Total Repairable Units</b>			0	1	0	3
<b>Total Units</b>			2	54	20	91
<b>Grand Total</b>			96	448	75	651

**APPENDIX G**  
**SUMMARY OF EQUIPMENT IN THE STATE**  
**(MODEL-WISE )**

## SUMMARY OF EQUIPMENT IN THE STATE

Model Name	Size	Total	Working	Not Working	Beyond Repair
Anand 10.5 Deep Freezer	DF LARGE	5	3	2	
Krispcold 280-F2	DF LARGE	11	11		
Krispcold 300 DF	DF LARGE	1		1	
Premier	DF LARGE	3	2	1	
Rockwell DF-V280	DF LARGE	6	4	2	
Vestfrost MF-302	DF LARGE	3	1	1	1
Vestfrost MF-304 Ltr (R-134a)	DF LARGE	46	44	2	
Vestfrost SB-300 Fzr (R-12)	DF LARGE	13	8	1	4
Vestfrost SB-302	DF LARGE	8	8		
Krishna	DF SMALL	3	3		
Rockwell DF-V225	DF SMALL	15	10	2	3
Vestfrost MF-140	DF SMALL	6	5		1
Vestfrost MF-142	DF SMALL	150	145	4	1
Vestfrost MF-144 Ltr (R-134a)	DF SMALL	121	117	4	
Vestfrost SB-140	DF SMALL	44	27	2	15
Vestfrost SB-142 Fzr (R-12)	DF SMALL	90	67	13	10
Vestfrost SB-144	DF SMALL	19	12		7
Haier HBC-300	ILR LARGE	4	4		
LG BD-0580	ILR LARGE	3	3		
TCW-1151 ILR Fzr (R-12)	ILR LARGE	21	7	5	9
Vestfrost MK-302 ILR (R-12)	ILR LARGE	5	4		1
Vestfrost MK-304 Ltr (R-134a)	ILR LARGE	29	26	3	
Whirlpool 300 lit	ILR LARGE	13	13		
Haier HBC-140	ILR SMALL	19	19		

<b>Model Name</b>	<b>Size</b>	<b>Total</b>	<b>Working</b>	<b>Not Working</b>	<b>Beyond Repair</b>
Haier HBC-200	ILR SMALL	7	7		
Haier HBC-70	ILR SMALL	73	69	4	
Refrigerator (Kerosene)	ILR SMALL	1			1
Vestfrost MK-074	ILR SMALL	23	21	1	1
Vestfrost MK-140	ILR SMALL	40	18	4	18
Vestfrost MK-142 ILR (R-12)	ILR SMALL	220	191	12	17
Vestfrost MK-144	ILR SMALL	267	252	8	7
Zenith 160 lit (R-12)	ILR SMALL	1			1
Indian WIC	WIC ROOM	1		1	
WIC Huurre	WIC ROOM	1	1		
WIF Huurre	WIF ROOM	1	1	1	
<b>Grand Total</b>		<b>1273</b>	<b>1103</b>	<b>74</b>	<b>97</b>

## **APPENDIX H**

# **MODEL-WISE DETAILED INVENTORY OF EQUIPMENT IN THE STATE**



Site information			Deep Freezer														
			CFC										CFC Free				
			Anand 10.5 Deep Freezer	Krishna	Premier	Rockwell DF-V225	Rockwell DF-V280	Vestfrost MF-140	Vestfrost MF-142	Vestfrost MF-302	Vestfrost SB-140	Vestfrost SB-142 Fzr (R-12)	Vestfrost SB-300 Fzr (R-12)	Vestfrost SB-302	Krispcold 280-F2	Krispcold 300 DF	Vestfrost MF-144 Ltr (R-134a)
District	Site	Type															
Bastar	DHQ Jagdalpur	DHQ				1N W 2W					3NW						3W
	Abujhamand (Orchha)	CHC								1W							
	Badekilepal	CHC								2W							
	Bakawand	CHC								1W					1W		
	Bastar	CHC						1W		1W							
	Bishrampur	CHC								2W							
	Darbha	CHC								2W							1W
	Keshkal	CHC								1W					1W		
	Kondagaon	CHC				1W				1W							
	Lohandiguda	CHC							2W								
	Makdi	CHC								2W							
	Narainpur	CHC									1W						
	Pharasgaon	CHC								1NW					1W		
	Tokapal	CHC						1W									
	Aadawal	PHC									1W						
	Anantpur	PHC															
	Badedongar	PHC								1W							





Site information			Deep Freezer																
			CFC										CFC Free						
			Anand 10.5 Deep Freezer	Krishna	Premier	Rockwell DF-V225	Rockwell DF-V280	Vestfrost MF-140	Vestfrost MF-142	Vestfrost MF-302	Vestfrost SB-140	Vestfrost SB-142 Fzr (R-12)	Vestfrost SB-300 Fzr (R-12)	Vestfrost SB-302	Krispcold 280-F2	Krispcold 300 DF	Vestfrost MF-144 Ltr (R-134a)	Vestfrost MF-304 Ltr (R-134a)	Vestfrost SB-144
	Chakarbhata	PHC															1W		
	Ganiyari	PHC															1W		
	Pathria	PHC						1W											
	Pendra	PHC						1W											
	Ratanpur	PHC						1W											
	Sakari	PHC															1W		
	Saragaon	PHC																	
	Sepat	PHC															1W		
Dantewara	DHQ Dantewara	DH Q						1NW			1NW 1W						1NW	2W	
	Bhairamgarh	CH C						1W			1BR								
	Bhopalpatnam	CH C									2W								
	Bijapur	CH C						1W			3W								
	Chhindgarh	CH C						2W											
	Dantewara	CH C									1W						1W		
	Geedam	CH C									1W								

Site information		Deep Freezer																
		CFC										CFC Free						
		Anand 10.5 Deep Freezer	Krishna	Premier	Rockwell DF-V225	Rockwell DF-V280	Vestfrost MF-140	Vestfrost MF-142	Vestfrost MF-302	Vestfrost SB-140	Vestfrost SB-142 Fzr (R-12)	Vestfrost SB-300 Fzr (R-12)	Vestfrost SB-302	Krispcold 280-F2	Krispcold 300 DF	Vestfrost MF-144 Ltr (R-134a)	Vestfrost MF-304 Ltr (R-134a)	Vestfrost SB-144
Katekalyan	CH C						1W				1W							
Konta	CH C										1BR 1NW							
Kuwakonda	CH C															1W		
Sukma	CH C															1W		1W
Usur	CH C									2W								
Badebacheli	PHC										1W							
Badegudra	PHC						1W											
Badetumnar	PHC															1W		
Barsur	PHC																	1BR
Basagunda	PHC																	1W
Dornapal	PHC										1W							
Gadiras	PHC										1W							
Ilmidi	PHC										1W							
Jagargunda	PHC										3NW							
Kerlapal	PHC						1W											
Kirandul	PHC						1W											
Madderh	PHC										1W							















Site information			Deep Freezer															
			CFC										CFC Free					
			Anand 10.5 Deep Freezer	Krishna	Premier	Rockwell DF-V225	Rockwell DF-V280	Vestfrost MF-140	Vestfrost MF-142	Vestfrost MF-302	Vestfrost SB-140	Vestfrost SB-142 Fzr (R-12)	Vestfrost SB-300 Fzr (R-12)	Vestfrost SB-302	Krispcold 280-F2	Krispcold 300 DF	Vestfrost MF-144 Ltr (R-134a)	Vestfrost MF-304 Ltr (R-134a)
	Tapkara	PHC																
Kanker	DHQ Kanker	DH Q			2W						3BR		1W					
	Antagarh	CH C					1W				1W							
	Bhanupratapur	CH C									1W						1W	
	charama	CH C									1W					1W		
	Durgu kondal	CH C									1W							
	Koyali beda	CH C									1W							
	Sarona (Narharpurn)	CH C														1W		
	Amoda	PHC									1W							
	Bande	PHC									1W							
	Civil Hospital (Kanker)	PHC																
	Damkasa	PHC														1W		
	DhaneliKanhar	PHC														1W		
	Halba	PHC									1W							
Kapsi	PHC														1W			











Site information			Deep Freezer															
			CFC										CFC Free					
			Anand 10.5 Deep Freezer	Krishna	Premier	Rockwell DF-V225	Rockwell DF-V280	Vestfrost MF-140	Vestfrost MF-142	Vestfrost MF-302	Vestfrost SB-140	Vestfrost SB-142 Fzr (R-12)	Vestfrost SB-300 Fzr (R-12)	Vestfrost SB-302	Krispcold 280-F2	Krispcold 300 DF	Vestfrost MF-144 Ltr (R-134a)	Vestfrost MF-304 Ltr (R-134a)
	Jobi	PHC														1W		
	Kodatarai	PHC																1W
	Kosir	PHC														1W		
	Loing	PHC						1W										
	Mugdega	PHC														1W		
	Nandeli	PHC						1W								1W		
	Saranggarh	PHC			1W			1W				1W				1W		
	Sariya lengha	PHC														1W		
	UFWC (HQ) Raigarh	PHC						1W		1BR								
	Vijayanagar	PHC						1W		1BR								
Raipur	CS Raipur	CS		3W					1BR									7W
	Abhanpur	CH C														1W		
	Arang	CH C						1W		1BR								
	Baloudabajar (Lavan)	CH C	1N W					1W										
	Bhatapara	CH C						1W										
	Bilaigarh	CH C										1W						
	Chhura	CH																

1W







Site information			Deep Freezer															
			CFC										CFC Free					
			Anand 10.5 Deep Freezer	Krishna	Premier	Rockwell DF-V225	Rockwell DF-V280	Vestfrost MF-140	Vestfrost MF-142	Vestfrost MF-302	Vestfrost SB-140	Vestfrost SB-142 Fzr (R-12)	Vestfrost SB-300 Fzr (R-12)	Vestfrost SB-302	Krispcold 280-F2	Krispcold 300 DF	Vestfrost MF-144 Ltr (R-134a)	Vestfrost MF-304 Ltr (R-134a)
	Chilhati	PHC					1W											
	Dangarh	PHC							1W									
	Ganadhatola	PHC																
	Gandai	PHC					1W											
	Gotatola	PHC	1W															
	Jalabandha	PHC					1W											
	Khadgaon	PHC							1W									
	Kodikasan	PHC																
	Kumardha	PHC								1W								
	Lalbahadurnagar	PHC													1W			
	Mohra	PHC								1W								
	Murmunda	PHC					1W											
	Ondhi	PHC								1W								
	Ramatola	PHC					1W											
	Salehvara	PHC					1W											
	Somni	PHC								1W								
	Tappa	PHC																
	UFHS	PHC															2W	
	Umarwahi	PHC													1W			
Sarguja	DHQ Sarguja	DH Q								1BR 2W		1W			1W	1W		
	Balrampur	CH																

1W

1W

1BR





Site information			Deep Freezer																
			CFC										CFC Free						
			Anand 10.5 Deep Freezer	Krishna	Premier	Rockwell DF-V225	Rockwell DF-V280	Vestfrost MF-140	Vestfrost MF-142	Vestfrost MF-302	Vestfrost SB-140	Vestfrost SB-142 Fzr (R-12)	Vestfrost SB-300 Fzr (R-12)	Vestfrost SB-302	Krispcold 280-F2	Krispcold 300 DF	Vestfrost MF-144 Ltr (R-134a)	Vestfrost MF-304 Ltr (R-134a)	Vestfrost SB-144
Dumarkhola	PHC																		
Ganeshpur	PHC																		
Gumgara	PHC																		
Kamleshwarpur	PHC																		
Kedma	PHC																1W		
Lehpatra	PHC																1W		
Lundra	PHC																		
Maharajganj	PHC																		
Narbadapur	PHC										1W						1W		
Pasta	PHC																		
Raghunathpur	PHC																		
Salka (Aghina)	PHC																		
Sonpur	PHC																		
Sukheri	PHC																1W		
<b>Grand Total</b>			3W 2N W	3W	2W 1N W	10W 2N W 3BR	4W 2N W	5W 1BR	145 W 4NW 1BR	1W 1N W 1BR	27W 2NW 15B R	67W 13N W 10BR	8W 1N W 4BR	8W	11W	1N W 4NW	117 W 4NW	44W 2N W	12W 7BR
			<b>Ice-Lined Refrigerator</b>																



Site information			Deep Freezer														
			CFC										CFC Free				
			Anand 10.5 Deep Freezer	Krishna	Premier	Rockwell DF-V225	Rockwell DF-V280	Vestfrost MF-140	Vestfrost MF-142	Vestfrost MF-302	Vestfrost SB-140	Vestfrost SB-142 Fzr (R-12)	Vestfrost SB-300 Fzr (R-12)	Vestfrost SB-302	Krispcold 280-F2	Krispcold 300 DF	Vestfrost MF-144 Ltr (R-134a)
CFC										CFC Free							
Refrigerator (Kerosene)	TCW-1151 ILR Fzr (R-12)	Vestfrost MK-074	Vestfrost MK-140	Vestfrost MK-142 ILR (R-12)	Vestfrost MK-302 ILR (R-12)	Zenith 160 lit (R-12)	Haier HBC-140	Haier HBC-200	Haier HBC-300	Haier HBC-70	LG BD-0580	Vestfrost MK-144	Vestfrost MK-304 Ltr (R-134a)	Whirlpool 300 lit			
District	Site	Type	Units	Units	Units	Units	Units	Units	Units	Units	Units	Units	Units	Units	Units	Units	Units
Bastar	DHQ Jagdalpur	DHQ		1NW							2W					2NW 2W	
	Abujhamand (Orchha)	CHC				1BR						1NW					
	Badekilepal	CHC					1W										
	Bakawand	CHC					1W										
	Bastar	CHC				2W	1NW								1W		
	Bishrampuri	CHC		1NW											1W		
	Darbha	CHC					1W								1W		
	Keshkal	CHC					1W					2W		1W			

Site information	Deep Freezer																
	CFC										CFC Free						
	Anand 10.5 Deep Freezer	Krishna	Premier	Rockwell DF-V225	Rockwell DF-V280	Vestfrost MF-140	Vestfrost MF-142	Vestfrost MF-302	Vestfrost SB-140	Vestfrost SB-142 Fzr (R-12)	Vestfrost SB-300 Fzr (R-12)	Vestfrost SB-302	Krispcold 280-F2	Krispcold 300 DF	Vestfrost MF-144 Ltr (R-134a)	Vestfrost MF-304 Ltr (R-134a)	Vestfrost SB-144
Kondagaon	CHC		1W			1W						2W			1W		
Lohandiguda	CHC				2W												
Makdi	CHC					1W									1NW		
Narainpur	CHC											1W			1W		
Pharasaon	CHC					1W						1W			1W		
Tokapal	CHC					1NW						1W					
						2W											
Aadawal	PHC				1W												
Anantpur	PHC			1W													
Badedongar	PHC					1W											
Baderajpur	PHC			1W													
Bahigaon	PHC													1W			
Banskot	PHC			1W													
Benur	PHC			1W													
Bhanpuri	PHC					1W											
Chandragiri	PHC					1W											
Chaparbhanpuri	PHC				1W												
Chipawand	PHC					1W									1W		
Chotedongar	PHC					1W											
Dhanora (Keskal)	PHC					1W											
Gundagaon	PHC														1W		

Site information			Deep Freezer															
			CFC										CFC Free					
			Anand 10.5 Deep Freezer	Krishna	Premier	Rockwell DF-V225	Rockwell DF-V280	Vestfrost MF-140	Vestfrost MF-142	Vestfrost MF-302	Vestfrost SB-140	Vestfrost SB-142 Fzr (R-12)	Vestfrost SB-300 Fzr (R-12)	Vestfrost SB-302	Krispcold 280-F2	Krispcold 300 DF	Vestfrost MF-144 Ltr (R-134a)	Vestfrost MF-304 Ltr (R-134a)
	Kachnar	PHC														1W		
	Kesarpal	PHC														1W		
	Kohkameta	PHC														1W		
	Mardapal	PHC				2NW												
	Mardoom	PHC			1W											1W		
	Nagarnar	PHC			1W													
	Nangur	PHC			2W	1NW										1W		
	Neganar	PHC				1W												
	Sampur	PHC										1W						
	Siganpur	PHC			1W													
Bilaspur	DHQ Bilaspur	DHQ				1W										3W	3W	
	Bilha	CHC														1W		
	CIMS Medical college	CHC			1W											1W		
	Civil Hospital (Bilha)	CHC				1W												
	Gorella (1)	CHC														2W		
	Kota	CHC				1W										1W		
	Loremi	CHC				1W												
	Marwahi	CHC														1NW		
	Mastori	CHC				1W										1W		







Site information	Deep Freezer																
	CFC										CFC Free						
	Anand 10.5 Deep Freezer	Krishna	Premier	Rockwell DF-V225	Rockwell DF-V280	Vestfrost MF-140	Vestfrost MF-142	Vestfrost MF-302	Vestfrost SB-140	Vestfrost SB-142 Fzr (R-12)	Vestfrost SB-300 Fzr (R-12)	Vestfrost SB-302	Krispcold 280-F2	Krispcold 300 DF	Vestfrost MF-144 Ltr (R-134a)	Vestfrost MF-304 Ltr (R-134a)	Vestfrost SB-144
Gunderdehi	CHC					1W											
Gurur	CHC					1W											
Khandsara	CHC					1W								1W			
Nawagarh	CHC					1W											
Nikum	CHC					1W											
Patan	CHC					1W											
Saja	CHC					1W											
Utai	CHC					1W											
Ahiwara	PHC													1W			
Bemetara	PHC													1W	1W		
Bhilai 3	PHC				1BR	1W											
Bhilai sector 8	PHC													1BR 1W			
Chikhalakasa	PHC					1W											
Dadhi	PHC					1W											
Dargaon	PHC													1W			
Durg OPD	PHC			1W													
Gadadih	PHC					2W											
Ghotiya	PHC													1W			
Gujra	PHC					1W								1W			
Gundheli	PHC					1W											
Hanoda	PHC													1BR			

Site information		Deep Freezer															
		CFC										CFC Free					
		Anand 10.5 Deep Freezer	Krishna	Premier	Rockwell DF-V225	Rockwell DF-V280	Vestfrost MF-140	Vestfrost MF-142	Vestfrost MF-302	Vestfrost SB-140	Vestfrost SB-142 Fzr (R-12)	Vestfrost SB-300 Fzr (R-12)	Vestfrost SB-302	Krispcold 280-F2	Krispcold 300 DF	Vestfrost MF-144 Ltr (R-134a)	Vestfrost MF-304 Ltr (R-134a)
Jheet	PHC														1W		
J-Sankara	PHC														1W		
Kalangpur	PHC														1W		
Khursipar	PHC														1W		
Khursul	PHC														1W		
Litiya (Bori)	PHC														1W		
Mahud	PHC					1W											
Mangchua	PHC					1W											
Maro	PHC														1W		
Murmunda (Dhamdha)	PHC				1BR	1W											
Nahanda	PHC				1W										1W		
Nandghat	PHC					1W											
Nankatti	PHC														1W		
Palari (Gurur)	PHC					1W											
Pendrawan	PHC														1W		
Perpodi	PHC														1W		
Pipechedi	PHC					1W											
Purur	PHC					1W											
Ranchirai	PHC											1W					
Ranitarai	PHC													1W			



Site information			Deep Freezer															
			CFC										CFC Free					
			Anand 10.5 Deep Freezer	Krishna	Premier	Rockwell DF-V225	Rockwell DF-V280	Vestfrost MF-140	Vestfrost MF-142	Vestfrost MF-302	Vestfrost SB-140	Vestfrost SB-142 Fzr (R-12)	Vestfrost SB-300 Fzr (R-12)	Vestfrost SB-302	Krispcold 280-F2	Krispcold 300 DF	Vestfrost MF-144 Ltr (R-134a)	Vestfrost MF-304 Ltr (R-134a)
	Rasmadah	PHC				1W												
	Sambelpur	PHC													1W			
	Sirsida	PHC													1W			
	Supela	PHC				1W												
	Surdung	PHC													1W			
	Suregaon	PHC													1W			
	Temari	PHC													1W			
	Than Khamhariya	PHC				1W												
	UFW Centre Durg	PHC				1W									1W			
Janjgir	DHQ Janjgir	DHQ					1W								1W			
	Akaltara	CHC				1W									1W			
	Baloda	CHC													2W			
	Bamhnidih	CHC				1W									1W			
	Dabhara	CHC				1W									1W			
	Jaijaipur	CHC				1W									1W			
	Janjgir (Nawagarh)	CHC													1W			
	Malkharoda	CHC				1W									1W			
	Pamgarh	CHC				1W									2W			
	Champa Civil dispensory	PHC													1W			
Chandrapur	PHC													1W				
Jashupur	DHQ Jashpur	DHQ												4W	1W			



Site information		Deep Freezer															
		CFC										CFC Free					
		Anand 10.5 Deep Freezer	Krishna	Premier	Rockwell DF-V225	Rockwell DF-V280	Vestfrost MF-140	Vestfrost MF-142	Vestfrost MF-302	Vestfrost SB-140	Vestfrost SB-142 Fzr (R-12)	Vestfrost SB-300 Fzr (R-12)	Vestfrost SB-302	Krispcold 280-F2	Krispcold 300 DF	Vestfrost MF-144 Ltr (R-134a)	Vestfrost MF-304 Ltr (R-134a)
	Bande	PHC				1W											
	Civil Hospital (Kanker)	PHC		1W	1W	2W											
	Damkasa	PHC													1W		
	DhaneliKanhar	PHC		1BR											2W		
	Halba	PHC				1W											
	Kapsi	PHC				1W									1W		
	Korar	PHC				1W											
	Lakhanpuri	PHC			1W												
	Pathanjoor	PHC													1W		
	Pedapal	PHC			1W												
	Sarona	PHC													1W		
	Tadoki	PHC			1W												
Kavarda	DHQ Kawardha	DHQ													1W	1W	
	Bodla	CHC				2W						1W					
	Kawarda	CHC				1W									2W		
	Pandariya	CHC				1W									3W		
	Sahaspur lohara	CHC				1W						1W			2W		
	Kukudar	PHC				1W											
	Kunda	PHC													1W		
	Pipariya	PHC													1W		
Rengakhar	PHC													1W			



Site information		Deep Freezer															
		CFC										CFC Free					
		Anand 10.5 Deep Freezer	Krishna	Premier	Rockwell DF-V225	Rockwell DF-V280	Vestfrost MF-140	Vestfrost MF-142	Vestfrost MF-302	Vestfrost SB-140	Vestfrost SB-142 Fzr (R-12)	Vestfrost SB-300 Fzr (R-12)	Vestfrost SB-302	Krispcold 280-F2	Krispcold 300 DF	Vestfrost MF-144 Ltr (R-134a)	Vestfrost MF-304 Ltr (R-134a)
Mahasamund	Nagpur	PHC				1W											
	Patna	PHC				1W											
	Salka(Khadgawan)	PHC															
	DHQ Mahasamund	DHQ												1W			
	Bagbahara	CHC				1W								2W			
	Basna	CHC				1W								2W			
	Pithora	CHC				1W											
	Saraipali	CHC				1W						1W		1W			
	Baloda (Saraipali)	PHC												1W			
	Bhurkoni	PHC												1W			
	CS office	PHC												1W			
	Jhalap	PHC												1W			
	Komakhan	PHC												1W			
	Pirda	PHC												1W			
	Sankara	PHC												1W			
Tumgaon	PHC												1W				
Raigarh	DHQ Raigarh	DHQ			1NW 1W	4W	1W							2W	1W		
	Chapla	CHC				1W								1W			
	Dharamjaigarh	CHC												1W			
	Gharghoda	CHC				1W								1W			
	Kharsia	CHC				1NW								1W			

Site information			Deep Freezer														
			CFC										CFC Free				
			Anand 10.5 Deep Freezer	Krishna	Premier	Rockwell DF-V225	Rockwell DF-V280	Vestfrost MF-140	Vestfrost MF-142	Vestfrost MF-302	Vestfrost SB-140	Vestfrost SB-142 Fzr (R-12)	Vestfrost SB-300 Fzr (R-12)	Vestfrost SB-302	Krispcold 280-F2	Krispcold 300 DF	Vestfrost MF-144 Ltr (R-134a)
	Lailunga	CHC				1W									1W		
	Pussor	CHC			1NW										1W		
	Tamnar	CHC				1W									1W		
	Vijayanagar (Kapu)	CHC													1W		
	Baramkela	PHC				1W									2W		
	Jobi	PHC													1W		
	Kodatarai	PHC													1W		
	Kosir	PHC													1W		
	Loing	PHC			1NW	1W											
	Mugdega	PHC													1W		
	Nandeli	PHC													1W		
	Saranggarh	PHC				1W											
	Sariya lengha	PHC													1W		
	UFWC (HQ) Raigarh	PHC				1W									1W		
	Vijayanagar	PHC				1NW									1W		
Raipur	CS Raipur	CS								2W	2W					4W	
	Abhanpur	CHC				1W						1W					
	Arang	CHC			1NW	1W											
	Baloudabajar (Lavan)	CHC				2W											
	Bhatapara	CHC										1W		1W			



Site information		Deep Freezer															
		CFC										CFC Free					
		Anand 10.5 Deep Freezer	Krishna	Premier	Rockwell DF-V225	Rockwell DF-V280	Vestfrost MF-140	Vestfrost MF-142	Vestfrost MF-302	Vestfrost SB-140	Vestfrost SB-142 Fzr (R-12)	Vestfrost SB-300 Fzr (R-12)	Vestfrost SB-302	Krispcold 280-F2	Krispcold 300 DF	Vestfrost MF-144 Ltr (R-134a)	Vestfrost MF-304 Ltr (R-134a)
	Kopra	PHC													1W		
	Lavan	PHC				1W							1W				
	Mandhar	PHC													1W		
	Mandir Hasid	PHC													1W		
	Nawapara	PHC				1W											
	Nipniya	PHC													1W		
	Panduka	PHC				1W											
	Pharphoud	PHC													1W		
	Piprachedi	PHC				1W											
	Rajim	PHC				1W											
	Rohansi	PHC				1W											
	Sarsiwa	PHC				1W											
	Silyari	PHC				1W											
	Suhela	PHC													1W		
	UFWC Kalibadi	PHC				1W											
	Urmal	PHC													1W		
Rajnandgaon	DHQ Rajnandgaon	DHQ			1BR	10BR 2W		1BR									2W
	Ambagarh Chowki	CHC											1W		2W		
	Chuikhadan	CHC				1W										1W	
	Churiya	CHC				1W									2W		
	Dongargaon	CHC											1W		2W		



Site information		Deep Freezer															
		CFC										CFC Free					
		Anand 10.5 Deep Freezer	Krishna	Premier	Rockwell DF-V225	Rockwell DF-V280	Vestfrost MF-140	Vestfrost MF-142	Vestfrost MF-302	Vestfrost SB-140	Vestfrost SB-142 Fzr (R-12)	Vestfrost SB-300 Fzr (R-12)	Vestfrost SB-302	Krispcold 280-F2	Krispcold 300 DF	Vestfrost MF-144 Ltr (R-134a)	Vestfrost MF-304 Ltr (R-134a)
Dongargarh	CHC					2W						3W		2W			
Ghumka	CHC					1W								1W			
Khairagarh	CHC					1W						1W		1W			
Manpur	CHC											3W		1W			
Mohia	CHC									1W		1W				1NW	
Aasara	PHC					1W						1W					
Basadi	PHC													1W			
Bharitola	PHC					1W											
Chilhathi	PHC													1W			
Dangarh	PHC					1W											
Ganadhatola	PHC													1W			
Gandai	PHC													1W			
Gotatola	PHC					1W											
Jalabandha	PHC													1W			
Khadgaon	PHC					1W											
Kodikasan	PHC					1W											
Kumardha	PHC													1W			
Laibahadurnagar	PHC													1W			
Mohra	PHC													1W			
Murmunda	PHC													1W			
Ondhi	PHC					1W											
Ramatola	PHC													1W			

Site information		Deep Freezer																
		CFC										CFC Free						
		Anand 10.5 Deep Freezer	Krishna	Premier	Rockwell DF-V225	Rockwell DF-V280	Vestfrost MF-140	Vestfrost MF-142	Vestfrost MF-302	Vestfrost SB-140	Vestfrost SB-142 Fzr (R-12)	Vestfrost SB-300 Fzr (R-12)	Vestfrost SB-302	Krispcold 280-F2	Krispcold 300 DF	Vestfrost MF-144 Ltr (R-134a)	Vestfrost MF-304 Ltr (R-134a)	Vestfrost SB-144
	Salehvara	PHC													1W			
	Somni	PHC				1W									1W			
	Tappa	PHC				1W									1W			
	UFHS	PHC				1W									1W			
	Umarwahi	PHC													1W			
Sarguja	DHQ Sarguja	DHQ		2W		7BR 2W									2W	1W		
	Balrampur	CHC		1W											1W		1W	
	Batoli	CHC			1W	1W												
	Bhayadhan	CHC										1W			2W		1W	
	Dhourpur	CHC				1W						3W			1W			
	Kusmi	CHC		1BR		1BR						1W			2BR		1W	
	Lakhanpur	CHC										1NW 1W			1W		1W	
	Odgi	CHC		1BR								2W			1W		1W	
	Pratapur	CHC				1W									1W			
	Premnagar	CHC										2W			1BR			
	Rajpur	CHC		1BR		2W												1W
	Ramanujanj	CHC				1W						2W			1W			

Site information		Deep Freezer															
		CFC										CFC Free					
		Anand 10.5 Deep Freezer	Krishna	Premier	Rockwell DF-V225	Rockwell DF-V280	Vestfrost MF-140	Vestfrost MF-142	Vestfrost MF-302	Vestfrost SB-140	Vestfrost SB-142 Fzr (R-12)	Vestfrost SB-300 Fzr (R-12)	Vestfrost SB-302	Krispcold 280-F2	Krispcold 300 DF	Vestfrost MF-144 Ltr (R-134a)	Vestfrost MF-304 Ltr (R-134a)
Ramanujnagar	CHC					1W						1W		1W			
Shankargarh	CHC					1BR						1W		1W			
Sitapur	CHC					1W								1W			
Surajpur	CHC					1W											1W
Udaypur	CHC		1BR			1W											
Wadarfarnagar	CHC					1BR						2W		1W			1W
Ajabnagar	PHC											1W		1W			
Bafoli	PHC	1BR						1BR	2W					1BR			
Bandana	PHC			1W													
Bariyo	PHC					1W											
Batra	PHC													1W			
Bhatgaon (Bhayadhan)	PHC													1W			
Bishrampur (Surajpur)	PHC													1W			
Chalgali	PHC											1NW					
Darima	PHC					1BR											1W
Devnagar	PHC													1W			
Dharampur	PHC											1W					
Dumarkhola	PHC											1W					
Ganeshpur	PHC											1W					

Site information		Deep Freezer															
		CFC										CFC Free					
		Anand 10.5 Deep Freezer	Krishna	Premier	Rockwell DF-V225	Rockwell DF-V280	Vestfrost MF-140	Vestfrost MF-142	Vestfrost MF-302	Vestfrost SB-140	Vestfrost SB-142 Fzr (R-12)	Vestfrost SB-300 Fzr (R-12)	Vestfrost SB-302	Krispcold 280-F2	Krispcold 300 DF	Vestfrost MF-144 Ltr (R-134a)	Vestfrost MF-304 Ltr (R-134a)
Gumgara	PHC											1W					
Kamleshwarpur	PHC												1W	1W			
Kedma	PHC													1W			
Lehpatra	PHC													1W			
Lundra	PHC											1W					
Maharajganj	PHC											1W					
Narbadapur	PHC		1BR									3W		1W			1W
Pasta	PHC											1NW					
Raghunathpur	PHC											1W					
Salka (Aghina)	PHC					1BR						1W					
Sonpur	PHC					1W											
Sukheri	PHC					1W											
<b>Grand Total</b>		1BR	7W 5NW 9BR	21W 1NW 1BR	18W 4NW 18BR	191W 12N W 17BR	4W 1BR	1BR	19W	7W	4W	69W 4NW	3W	252 W 8NW 7BR	26W 3NW	13W	

**APPENDIX I**

**LIST OF SITES WHERE NEWLY ALLOTTED HAIER ILRS  
HAS BEEN INSTALLED**

**LIST OF SITES WHERE NEWLY ALLOTTED HAIER ILRS  
HAS BEEN INSTALLED**

Site information			Haier HBC-140	Haier HBC- 200	Haier HBC- 300	Haier HBC- 70	Total
District	Site	Type	Units	Units	Units	Units	Units
Bastar	DHQ Jagdalpur	DHQ		2			2
	Abujhamand (Orchha)	CHC				1	1
	Keshkal	CHC				2	2
	Kondagaon	CHC				2	2
	Narainpur	CHC				1	1
	Pharasmaon	CHC				1	1
	Tokapal	CHC				1	1
	Sampur	PHC				1	1
Total				2		9	11
Dantewada	DHQ Dantewada	DHQ	17		2	1	20
	Bhairamgarh	CHC				1	1
Total			17		2	2	21
Dhamtari	Kurud	CHC				1	1
	Nagari (Sihava)	CHC				1	1
	Badikerali	PHC				1	1
	Kandel	PHC				1	1
	Sihava	PHC				1	1
Total						5	5
Durg	DHQ Durg	DHQ		2			2
	Ranchirai	PHC				1	1
Total				2		1	3
Kavarda	Bodla	CHC				1	1
	Sahaspur lohara	CHC				1	1

Site information			Haier HBC-140	Haier HBC- 200	Haier HBC- 300	Haier HBC- 70	Total
District	Site	Type	Units	Units	Units	Units	Units
Total						2	2
Korea	Sonahat	CHC				2	2
Total						2	2
Mahasamund	Saraipali	CHC				1	1
Total						1	1
Raipur	CS Raipur	CS		2	2		4
	Abhanpur	CHC				1	1
	Bhatapara	CHC				1	1
	Bilaigarh	CHC				1	1
	Chhura	CHC				1	1
	Gariyaband	CHC				1	1
	Kasdol	CHC				1	1
	Phingeshwar	CHC				1	1
	Tilda	CHC				1	1
	Lavan	PHC				1	1
Total				2	2	9	13
Rajnandgaon	Ambagarh Chowki	CHC				1	1
	Dongargaon	CHC				1	1
	Dongargarh	CHC				3	3
	Khairagarh	CHC				1	1
	Manpur	CHC				3	3
	Mohla	CHC		1		1	2
	Aasara	PHC				1	1
Total				1		11	12
Sarguja	Bhayadhan	CHC				1	1
	Dhourpur	CHC				3	3
	Kusmi	CHC				1	1
	Lakhanpur	CHC				2	2
	Odgi	CHC				2	2
	Premnagar	CHC				2	2

Site information			Haier HBC-140	Haier HBC- 200	Haier HBC- 300	Haier HBC- 70	Total
District	Site	Type	Units	Units	Units	Units	Units
	Ramanujganj	CHC				2	2
	Ramanujnagar	CHC				1	1
	Shankargarh	CHC				1	1
	Wadarfarnagar	CHC				2	2
	Ajabnagar	PHC				1	1
	Bafoli	PHC	2				2
	Chalgali	PHC				1	1
	Dharampur	PHC				1	1
	Dumarkhola	PHC				1	1
	Ganeshpur	PHC				1	1
	Gumgara	PHC				1	1
	Lundra	PHC				1	1
	Maharajganj	PHC				1	1
	Narbadapur	PHC				3	3
	Pasta	PHC				1	1
	Raghunathpur	PHC				1	1
	Salka (Aghina)	PHC				1	1
Total			2			31	33
<b>Grand Total</b>			<b>19</b>	<b>7</b>	<b>4</b>	<b>73</b>	<b>103</b>



**APPENDIX J**

**LIST OF NON OPERATIONAL CFC EQUIPEMENT IN THE  
STATE**

## LIST OF NON OPERATIONAL CFC EQUIPEMENT IN THE STATE

District	Site Name	Site Type	Equipment Name and Model	Type	Size	Serial No
Bastar	DHQ Jagdalpur	DHQ	Rockwell DF-V280 TCW-1151 ILR Fzr (R-12) Vestfrost SB-142 Fzr (R-12)	DF ILR DF	LARGE LARGE SMALL	8646 N/A 89140124 89140232 90355294
	Bastar	CHC	Vestfrost MK-142 ILR (R-12)	ILR	SMALL	8915461
	Bishrampuri	CHC	TCW-1151 ILR Fzr (R-12)	ILR	LARGE	N/A
	Pharasgaon	CHC	Vestfrost SB-142 Fzr (R-12)	DF	SMALL	90355172
	Tokapal	CHC	Vestfrost MK-142 ILR (R-12)	ILR	SMALL	43300255
	Bhanpuri	PHC	Vestfrost SB-142 Fzr (R-12)	DF	SMALL	31612164
	Chaparbhannpuri	PHC	Vestfrost SB-140	DF	SMALL	90355279
	Mardapal	PHC	Vestfrost MK-142 ILR (R-12)	ILR	SMALL	44710735 8915391
Nangur	PHC	Vestfrost MK-142 ILR (R-12)	ILR	SMALL	25100204	
Bilaspur	Marwahi	CHC	Vestfrost MF-142	DF	SMALL	65113988
Dantewada	DHQ Dantewada	DHQ	TCW-1151 ILR Fzr (R-12) Vestfrost MF-142 Vestfrost MK-142 ILR (R-12) Vestfrost SB-142 Fzr (R-12)	ILR DF ILR DF	LARGE SMALL SMALL SMALL	685B285487 Z9304034 6953900 89153828 89140776
	Bijapur	CHC	Vestfrost MK-142 ILR (R-12)	ILR	SMALL	89154002
	Chhindigarh	CHC	TCW-1151 ILR Fzr (R-12)	ILR	LARGE	BAS-15
	Dantewada	CHC	Vestfrost MK-142 ILR (R-12)	ILR	SMALL	43300263
	Katekalyan	CHC	TCW-1151 ILR Fzr (R-12)	ILR	LARGE	N/A
	Konta	CHC	Vestfrost SB-142 Fzr (R-12)	DF	SMALL	31611952
	Jagargunda	PHC	Vestfrost SB-142 Fzr (R-12)	DF	SMALL	31611991 31612116 90355167
	Sameli	PHC	Vestfrost SB-142 Fzr (R-12)	DF	SMALL	90355409
Dhamtari	DHQ Dhamtari	DHQ	Premier	DF	LARGE	8076
Durg	Gujra	PHC	Rockwell DF-V225	DF	SMALL	8062
	Mangchua	PHC	Vestfrost MF-142	DF	SMALL	44720699
Raigarh	DHQ Raigarh	DHQ	Vestfrost MF-302 Vestfrost MK-074	DF ILR	LARGE SMALL	90300571 65117122
	Kharsia	CHC	Vestfrost MK-142 ILR (R-12) Vestfrost SB-142 Fzr (R-12)	ILR DF	SMALL SMALL	89158940 90355241
	Pussor	CHC	Vestfrost MK-140	ILR	SMALL	15100564
	Loing	PHC	Vestfrost MK-140	ILR	SMALL	15018233
	Vijayanagar	PHC	Vestfrost MK-142 ILR (R-12)	ILR	SMALL	50213047
Raipur	Arang	CHC	Vestfrost MK-140	ILR	SMALL	88440578
	Baloudabajar (Lavan)	CHC	Anand 10.5 Deep Freezer	DF	LARGE	961909
	Deobhog	CHC	Vestfrost SB-140	DF	SMALL	88451827
	Palari	CHC	Rockwell DF-V280	DF	LARGE	8059
	Tilda	CHC	Vestfrost MK-142 ILR (R-12)	ILR	SMALL	26117621
	Amlimandar	PHC	Vestfrost MK-140	ILR	SMALL	24920913
	Bhatgaon	PHC	Anand 10.5 Deep Freezer	DF	LARGE	901909

District	Site Name	Site Type	Equipment Name and Model	Type	Size	Serial No
	(Bhilaigarh)		Vestfrost SB-300 Fzr (R-12)	DF	LARGE	24920965
Rajnandgaon	DHQ Rajnandgaon	DHQ	Rockwell DF-V225	DF	SMALL	7296
			Vestfrost MF-142	DF	SMALL	65114856
Sarguja	Lakhanpur	CHC	Vestfrost SB-142 Fzr (R-12)	DF	SMALL	31613961

**APPENDIX K**

**LIST OF NON OPERATIONAL CFC FREE EQUIPMENT IN  
THE STATE**

## LIST OF NON OPERATIONAL CFC FREE EQUIPMENT IN THE STATE

District	Site Name	Site Type	Equipment Name with Model	Type	Size	Serial No
Bastar	DHQ Jagdalpur	DHQ	Vestfrost MK-304 Ltr (R-134a)	ILR	LARGE	14312689 91202721
	Abujhamand (Orchha)	CHC	Haier HBC-70	ILR	SMALL	BQ4A50657
	Makdi	CHC	Vestfrost MK-144	ILR	SMALL	13904053
Bilaspur	Marwahi	CHC	Vestfrost MK-144	ILR	SMALL	43300443
Dantewada	DHQ Dantewada	DHQ	Vestfrost MF-144 Ltr (R-134a)	DF	SMALL	91004495
			Vestfrost MK-144	ILR	SMALL	90406076
	Jagargunda	PHC	Vestfrost MK-144	ILR	SMALL	32300237
Dhamtari	DHQ Dhamtari	DHQ	Vestfrost MF-144 Ltr (R-134a)	DF	SMALL	91308049
			Vestfrost MK-144	ILR	SMALL	65115274 N/A
	Magarlod	CHC	Vestfrost MK-144	ILR	SMALL	90409413
Jashupur	Manora	CHC	Vestfrost MK-144	ILR	SMALL	65115213
	Cohan	PHC	Vestfrost MF-144 Ltr (R-134a)	DF	SMALL	20013900682
Korba	DHQ Korba	DHQ	Krispcold 300 DF	DF	LARGE	N/A
Korea	DHQ Baikunthpur	DHQ	Vestfrost MF-144 Ltr (R-134a)	DF	SMALL	91010355
			Vestfrost MF-304 Ltr (R-134a)	DF	LARGE	20013608593
Mahasamund	Bagbahara	CHC	Vestfrost MF-304 Ltr (R-134a)	DF	LARGE	200313608607
Rajnandgaon	Mohla	CHC	Vestfrost MK-304 Ltr (R-134a)	ILR	LARGE	91202196
Sarguja	Lakhanpur	CHC	Haier HBC-70	ILR	SMALL	BQ4A50762
	Chalgali	PHC	Haier HBC-70	ILR	SMALL	BQ4A50594
	Pasta	PHC	Haier HBC-70	ILR	SMALL	BQ4AL0236

**APPENDIX L**

**DETAILED INVENTORY AND STATUS OF STABILIZERS IN  
THE STATE**

## DETAILED INVENTORY AND STATUS OF STABILIZERS IN THE STATE

District	Site	Type	Functional units	Total no. of stabilizers	Functional units	Status
Bastar	DHQ Jagdalpur	DHQ	17	9	6	2 Short
	Abujhamand (Orchha)	CHC	2	1	1	
	Badekilepal	CHC	3			2 Short
	Bakawand	CHC	3	2	2	
	Bastar	CHC	6	4	4	1 Excess
	Bishrampuri	CHC	4	3	3	1 Excess
	Darbha	CHC	5	1		2 Short
	Keshkal	CHC	6	2	2	1 Short
	Kondagaon	CHC	7	11	3	1 Short
	Lohandiguda	CHC	4	1	1	1 Short
	Makdi	CHC	4	3	3	1 Excess
	Narainpur	CHC	3	2	2	
	Pharasgaon	CHC	5	4	3	1 Excess
	Tokapal	CHC	5	2	2	
	Aadawal	PHC	2	1	1	
	Anantpur	PHC	1	1	1	1 Excess
	Badedongar	PHC	2			1 Short
	Baderajpur	PHC	1	1	1	1 Excess
	Bahigaon	PHC	2	2	2	1 Excess
	Banoon	PHC				
	Banskot	PHC	1	1	1	1 Excess
	Benur	PHC	1	1	1	1 Excess
	Bhanpuri	PHC	2	1	1	
	Chandragiri	PHC	1			
	Chaparbhanpuri	PHC	3	2	2	
	Chipawand	PHC	3	1	1	1 Short
	Chotedongar	PHC	2			1 Short
	Dhanora (Keskal)	PHC	2	1	1	
	Dhanora (Narayanpur)	PHC				
	Gundagaon	PHC	2	1	1	
	Kachnar	PHC	2	2	2	1 Excess
	Kalepal	PHC				
	Kesarpal	PHC	2	1	1	
	Kohkameta	PHC	2	1	1	
	Kumrahwand	PHC				
	Mardapal	PHC	3			2 Short
	Mardoom	PHC	2	2	2	1 Excess
	Nagarnar	PHC	1	1	1	1 Excess
	Nangur	PHC	7	2	2	2 Short
	Neganar	PHC	2			1 Short
Sampur	PHC	1	1	1	1 Excess	
Siganpur	PHC	1	1	1	1 Excess	
Titargaon	PHC					
Bilaspur	DHQ Bilaspur	DHQ	14	5	5	2 Short
	Bilha	CHC	3			2 Short
	CIMS Medical	CHC	2			1 Short

District	Site	Type	Functional units	Total no. of stabilizers	Functional units	Status
	college					
	Civil Hospital (Bilha)	CHC	3	1	1	1 Short
	Gorella (1)	CHC	4	2	2	
	Kota	CHC	3	2	1	1 Short
	Loremi	CHC	4	4	3	1 Excess
	Marwahi	CHC	5	2	2	
	Mastori	CHC	4	2	2	
	Mungeli	CHC	5	1	1	1 Short
	Takhatpur	CHC	2	2	2	1 Excess
	Chakarbhata	PHC	2			1 Short
	Dashrangpur	PHC				
	Ganiyari	PHC	2	1	1	
	Pathria	PHC	2	2		1 Short
	Pendra	PHC	4	2	2	
	Ratanpur	PHC	2	1	1	
	Sakari	PHC	2	1	1	
	Salhegori	PHC				
	Saragaon	PHC	2			1 Short
	Sepat	PHC	2			1 Short
Dantewada	DHQ Dantewada	DHQ	33	7	5	11 Short
	Bhairamgarh	CHC	4	5	3	1 Excess
	Bhopalpatnam	CHC	5	2	1	1 Short
	Bijapur	CHC	7	3	3	1 Short
	Chhindgarh	CHC	3	1	1	1 Short
	Dantewada	CHC	5	4	1	1 Short
	Geedam	CHC	3	2	1	1 Short
	Katekalyan	CHC	4	2		2 Short
	Konta	CHC	4	1	1	1 Short
	Kuwakonda	CHC	2	3	2	1 Excess
	Sukma	CHC	6			3 Short
	Usur	CHC	4	2	2	
	Arahanpur	PHC				
	Badebacheli	PHC	3	1	1	1 Short
	Badegudra	PHC	2			1 Short
	Badetumnar	PHC	2	1	1	
	Barsur	PHC	1	1		
	Basagunda	PHC	2	1	1	
	Bhusaras	PHC				
	Burdi	PHC				
	Dornapal	PHC	2			1 Short
	Gadiras	PHC	2			1 Short
	Goreli	PHC				
	Ilmidi	PHC	2	1	1	
	Jagargunda	PHC	5			2 Short
	Kerlapal	PHC	2	1	1	
	Kirandul	PHC	2	1	1	
	Madderh	PHC	2			1 Short
	Metapal	PHC				
	Palanar	PHC	1	1	1	1 Excess
	Pamed	PHC				



District	Site	Type	Functional units	Total no. of stabilizers	Functional units	Status
	Pharaspal	PHC	1			
	Podung	PHC				
	Potali	PHC				
	Pusgudi	PHC				
	Puspal	PHC	2	1	1	
	Sameli	PHC	1	1	1	1 Excess
	Surnar	PHC				
	Tarlagunda	PHC				
	Tompal	PHC	2	1	1	
Dhamtari	DHQ Dhamtari	DHQ	11	7	5	1 Short
	Dhamtari (Gujra)	CHC	2	1	1	
	Kurud	CHC	3	2	2	
	Magarlod	CHC	5	4	2	
	Nagari (Sihava)	CHC	3	2	2	
	Badikerali	PHC	3	3	2	
	Belergaon	PHC	2	2	2	1 Excess
	Bhatgaon (Dhamtari)	PHC				
	Dugli	PHC	2	1	1	
	Gattasilli	PHC				
	Jijamgaon	PHC	2	2	2	1 Excess
	Kandel	PHC	1			
	Keregaon	PHC	2	2	1	
	Sihava	PHC	1	1	1	1 Excess
	Sirri	PHC				
Durg	DHQ Durg	DHQ	13	6	6	
	Arjunda	CHC	2	1		1 Short
	Balod	CHC	4	1	1	1 Short
	Berla	CHC	4	2	2	
	Dhamdha	CHC	3	2	1	1 Short
	Dondi	CHC	3	3	2	
	Dondi Lohara	CHC	3	2	1	1 Short
	Gunderdehi	CHC	2	2	2	1 Excess
	Gurur	CHC	2			1 Short
	Khandsara	CHC	3	1	1	1 Short
	Nawagarh	CHC	3	2	1	1 Short
	Nikum	CHC	2	1	1	
	Patan	CHC	2	1		1 Short
	Saja	CHC	3	3	1	1 Short
	Utai	CHC	2	1	1	
	Ahiwara	PHC	2	2	2	1 Excess
	Amadula	PHC				
	Bemetara	PHC	5			2 Short
	Bhilai 3	PHC	2			1 Short
	Bhilai sector 8	PHC	2	2	2	1 Excess
	Chandanu	PHC				
	Chhirha	PHC				
	Chikhalakasa	PHC	3	3	3	1 Excess
	Dadhi	PHC	2	1	1	
	Dargaon	PHC	2	2	1	
	Durg OPD	PHC	1	1	1	1 Excess

District	Site	Type	Functional units	Total no. of stabilizers	Functional units	Status	
	Gadadih	PHC	2	1		1 Short	
	Ghotiya	PHC	1	1	1	1 Excess	
	Gujra	PHC	4	1	1	1 Short	
	Gundheli	PHC	2			1 Short	
	Hanoda	PHC	2	2	2	1 Excess	
	Jheet	PHC	2	2	1		
	J-Sankara	PHC	1				
	Kalangpur	PHC	2	2	2	1 Excess	
	Khursipar	PHC	2	2		1 Short	
	Khursul	PHC	1				
	Litiya (Bori)	PHC	2	2	1		
	Mahud	PHC	2	1	1		
	Mangchua	PHC	2	1		1 Short	
	Maro	PHC	2	2	2	1 Excess	
	Murmunda (Dhamdha)	PHC	2	1	1		
	Nagpura	PHC					
	Nahanda	PHC	3	1		2 Short	
	Nandghat	PHC	1	1	1	1 Excess	
	Nankatti	PHC	2	2		1 Short	
	Palari (Gurur)	PHC	2	1		1 Short	
	Pendrawan	PHC	2	2		1 Short	
	Perpodi	PHC	2	2		1 Short	
	Pipechedi	PHC	1	1	1	1 Excess	
	Purur	PHC	2	2	1		
	Ranchirai	PHC	2	1	1		
	Ranitarai	PHC	2			1 Short	
	Rasmadah	PHC	2	1	1		
	Sambelpur	PHC	2	3	1		
	Sanjari	PHC					
	Sirsida	PHC	2	2	2	1 Excess	
	Supela	PHC	2	1	1		
	Surdongar	PHC					
	Surdung	PHC	2	2	2	1 Excess	
	Suregaon	PHC	2	2	2	1 Excess	
	Temari	PHC	2	2	2	1 Excess	
	Than Khamhariya	PHC	3			2 Short	
	UFW Centre Durg	PHC	4	1	1	1 Short	
	Janjgir	DHQ Janjgir	DHQ	4	4	4	2 Excess
		Akaltara	CHC	4	1	1	1 Short
		Baloda	CHC	4	4	4	2 Excess
Bamhnidih		CHC	4	2	2		
Dabhara		CHC	4	3	3	1 Excess	
Jaijaipur		CHC	4			2 Short	
Janjgir (Nawagarh)		CHC	3	1	1	1 Short	
Malkharoda		CHC	3	2	2		
Pamgarh		CHC	4	2	2		
Champa Civil dispensary		PHC	2	1	1		
Chandrapur		PHC	2	1	1		
Shivrinarayan	PHC						

District	Site	Type	Functional units	Total no. of stabilizers	Functional units	Status
Jashpur	DHQ Jashpur	DHQ	8	12	12	8 Excess
	Bagicha	CHC	4	2	2	
	Duldula	CHC	3	2	2	
	Kansabel	CHC	3	2	1	1 Short
	Kunkuari	CHC	4	2	2	
	Manora	CHC	4	2	2	
	Parsabahar	CHC	3	2	1	1 Short
	Pathalgaon	CHC	5	4	4	2 Excess
	Aara (Jashpunagar)	PHC				
	Aasta	PHC				
	Baghbahra	PHC				
	Bataikela	PHC				
	Bhagora	PHC				
	Champa	PHC				
	Chichli	PHC				
	Cohan	PHC	3	2	2	
	Dokada	PHC				
	Goriya	PHC				
	Kalega	PHC				
	Kastura	PHC				
	Keradih	PHC				
	Kerarai	PHC				
	Kilkila	PHC				
	Kotaba	PHC	1	1	1	1 Excess
	Kukargaon	PHC				
	Kurog	PHC				
	Laudang	PHC				
	Menhi	PHC				
	Narayanpur	PHC				
	Palidih	PHC				
	Peku	PHC				
	Pendrapath	PHC				
	Ranpur	PHC				
	Sanna	PHC	2	1	1	
Shekharpur	PHC					
Son Bayari	PHC					
Tamta	PHC					
Tapkara	PHC	2	2	2	1 Excess	
Kanker	DHQ Kanker	DHQ	7	12	3	1 Short
	Antagarh	CHC	3	3	3	1 Excess
	Bhanupratapur	CHC	4	3	3	1 Excess
	charama	CHC	4	2	2	
	Durgu kondal	CHC	2	1	1	
	Koyali beda	CHC	2	1	1	
	Sarona (Narharpurn)	CHC	2	1	1	
	Amoda	PHC	3	1	1	1 Short
	Badgaon (Koyelobeda)	PHC				
	Bande	PHC	2	1	1	
	Bhanbeda	PHC				
	Civil Hospital	PHC	4			2 Short

District	Site	Type	Functional units	Total no. of stabilizers	Functional units	Status
	(Kanker)					
	Damkasa	PHC	2			1 Short
	Dhaneli Kanhar	PHC	3	1	1	1 Short
	Halba	PHC	2	1	1	
	Haradula	PHC				
	Kapsi	PHC	3	2	2	
	Korar	PHC	2	1	1	
	kottara	PHC				
	Lakhanpuri	PHC	1	1	1	1 Excess
	Pathanjoor	PHC	2	1	1	
	Pedapal	PHC	1	1	1	1 Excess
	Sarona	PHC	3	2	2	
	Tadoki	PHC	1			
Kavarda	DHQ Kawardha	DHQ	4			2 Short
	Bodla	CHC	5	2	2	
	Kawarda	CHC	6	3	3	
	Pandariya	CHC	7	4	4	
	Sahaspur lohara	CHC	8	3	3	1 Short
	Bhibori	PHC				
	Chirpani	PHC				
	Damapur	PHC				
	Kishangarh	PHC				
	Kukudar	PHC	2	1	1	
	Kunda	PHC	2	1	1	
	Panda tarai	PHC				
	Pipariya	PHC	2	4	4	3 Excess
	Rengakhar	PHC	2	1	1	
Taregaon	PHC	1				
Korba	DHQ Korba	DHQ	8	4	3	1 Short
	Kartala	CHC	4	4	1	1 Short
	Katghora	CHC	3	3	3	1 Excess
	Korba	CHC	3	3	3	1 Excess
	Pali	CHC	2	2	2	1 Excess
	Podi Uroda	CHC	5	4	4	2 Excess
	Ajgar Bahar	PHC				
	Bhaisma	PHC				
	Chiknipali	PHC				
	Farsawani	PHC				
	Hardibazar	PHC	2	1	1	
	Jataga	PHC				
	Kerakchar	PHC				
	Korgoma	PHC				
	Kothari	PHC				
	Kudumura	PHC				
	Lafa	PHC				
	Lemaru	PHC				
	Mahora	PHC				
	Mongra	PHC	1			
Morga	PHC					
Pasan	PHC	2	1	1		

District	Site	Type	Functional units	Total no. of stabilizers	Functional units	Status
	Rampur	PHC				
	Saragbudhiya	PHC				
	Shayang	PHC				
	Tilkeja	PHC				
	Tuman	PHC				
Korea	DHQ Baikunthpur	DHQ	9	8	3	1 Short
	Bharatpur (Janakpur)	CHC	5	3	3	1 Excess
	Khadgawan	CHC	4	1	1	1 Short
	Manendragarh	CHC	4	3	2	
	Sonahat	CHC	4	1		2 Short
	Bachrapodi	PHC	2	1	1	
	Badesalhi	PHC				
	Belbehra	PHC				
	Bharatpur	PHC				
	Buhar	PHC				
	Chirmiri	PHC	2	1	1	
	Katgodi	PHC				
	Kelhari	PHC	2	1	1	
	Kotadol	PHC				
	Kuwarpur	PHC				
	Madisarai	PHC				
	Mansukh	PHC				
	Nagpur	PHC	1			
	Patna	PHC	2	1	1	
	Ramgarh	PHC				
	Salka(Khadgawan)	PHC	1			
	Sonhari	PHC				
	Tegni	PHC				
Mahasamund	DHQ Mahasamund	DHQ	1	1	1	1 Excess
	Bagbahara	CHC	6	5	1	2 Short
	Basna	CHC	5	3	3	1 Excess
	Pithora	CHC	2	1	1	
	Saraipali	CHC	5	2	2	
	Baloda (Saraipali)	PHC	2	1	1	
	Baroli	PHC				
	Bhitideah	PHC				
	Bhurkoni	PHC	2	1	1	
	Birkoni	PHC				
	Chanat	PHC				
	CS office	PHC	2	1	1	
	Jhalap	PHC	2	1	1	
	Jhara	PHC				
	Khallari	PHC				
	Khatti	PHC				
	Komakhan	PHC	2	1	1	
	Pathsendari	PHC				
	Pirda	PHC	2	1	1	
	Sankara	PHC	2	1	1	
	Tungaon	PHC	2	1		1 Short
Raigarh	DHQ Raigarh	DHQ	18	21	15	6 Excess

District	Site	Type	Functional units	Total no. of stabilizers	Functional units	Status
	Chapla	CHC	4	2	2	
	Dharamjaigarh	CHC	2	1	1	
	Gharghoda	CHC	3	2	2	
	Kharsia	CHC	4	2	1	1 Short
	Lailunga	CHC	4	3	2	
	Pussor	CHC	3	4	1	1 Short
	Tamnar	CHC	4	2	2	
	Vijayanagar (Kapu)	CHC	2	2	1	
	Badebhandar	PHC				
	Bangursiya	PHC				
	Baramkela	PHC	4	2	2	
	Barra	PHC				
	Bhedban	PHC				
	Bijkot	PHC				
	Chal	PHC				
	Chalha	PHC				
	Dongarpali	PHC				
	Dumarpali	PHC				
	Godam	PHC				
	Hati	PHC				
	Hirri	PHC				
	Jobi	PHC	2	1	1	
	Kankaya	PHC				
	Keya	PHC				
	Khamar	PHC				
	Kodatarai	PHC	2	1	1	
	Kosir	PHC	2	1	1	
	Kudamkela	PHC				
	Kumarta	PHC				
	Lamdad	PHC				
	Laripani	PHC				
	Libra	PHC				
	Loing	PHC	3	2	2	
	Midmida	PHC				
	Mugdega	PHC	2	1	1	
	Nandeli	PHC	2	2	1	
	Navrangpur	PHC				
	Nukdega	PHC				
	Putkapuri	PHC				
	Rajpur (Lailunga)	PHC				
	Saranggarh	PHC	5	4	4	2 Excess
	Sariya	PHC				
	Sariya lengha	PHC	2	2	2	1 Excess
	Sarwani	PHC				
	Sisinga	PHC				
	Tendanawapara	PHC				
	Turekela	PHC				
	UFWC (HQ) Raigarh	PHC	3	2	2	
	Urba	PHC				
	Vijayanagar	PHC	3	1	1	1 Short

District	Site	Type	Functional units	Total no. of stabilizers	Functional units	Status
Raipur	CS Raipur	CS	20			10 Short
	Abhanpur	CHC	3	1	1	1 Short
	Arang	CHC	3	1	1	1 Short
	Baloudabajar (Lavan)	CHC	4	3	3	1 Excess
	Bhatapara	CHC	3	1	1	1 Short
	Bilaigarh	CHC	3	2	1	1 Short
	Chhura	CHC	3	2	1	1 Short
	Deobhog	CHC	4	2	1	1 Short
	Dharsiwa	CHC	2	1	1	
	Gariyaband	CHC	5	1	1	1 Short
	Kasdol	CHC	3	2	2	
	Mainpur	CHC	2	1	1	
	Palari	CHC	3	1	1	1 Short
	Phingeshwar	CHC	3	2	2	
	Simga	CHC	3	1	1	1 Short
	Tilda	CHC	6	2	2	1 Short
	Amasini	PHC				
	Amlimandar	PHC	2	1	1	
	Barpali	PHC				
	Bhansoj	PHC				
	Bhatagaon	PHC				
	Bhatgaon (Bhilaigarh)	PHC	3	3	1	1 Short
	Boriyakalan	PHC				
	Champanan	PHC	2	2	2	1 Excess
	Chandkhuri farm	PHC	1	1	1	1 Excess
	Dr. Ambedkar Hospital	PHC	2	1		1 Short
	Gidhpuri	PHC				
	Hathband	PHC	2	1	1	
	Jhakarpara	PHC	2			1 Short
	Jhangaon	PHC				
	Katangi	PHC				
	Kharora	PHC	2	1	1	
	Khilora	PHC	1			
	Kondkera	PHC				
	Kopra	PHC	2	1		1 Short
	Kosmandi	PHC				
	Kurud Kutela	PHC				
	Lakhanpur (Palari)	PHC				
	Lavan	PHC	3	1	1	1 Short
	Mandhar	PHC	2			1 Short
Mandir Hasid	PHC	2	1	1		
Mopar	PHC					
Nawapara	PHC	2	1	1		
Nipniya	PHC	2	1	1		
Panduka	PHC	2	1	1		
Patsivni	PHC					
Pharphoud	PHC	2	1	1		
Piprachedi	PHC	2	1	1		

District	Site	Type	Functional units	Total no. of stabilizers	Functional units	Status
	Raja devri	PHC				
	Rajim	PHC	2	1		1 Short
	Rasla	PHC				
	Risda	PHC				
	Rohansi	PHC	2	1	1	
	Sarsiwa	PHC	2	1	1	
	Silyari	PHC	2	1	1	
	Sonakhan	PHC				
	Suhela	PHC	2	1	1	
	Torla	PHC				
	Udan	PHC				
	UFWC Kalibadi	PHC	2	1	1	
Urmal	PHC	2	1	1		
Rajnandgaon	DHQ Rajnandgaon	DHQ	8	55	10	6 Excess
	Ambagarh Chowki	CHC	5	3	3	1 Excess
	Chuikhadan	CHC	4	3	3	1 Excess
	Churiya	CHC	4	3	3	1 Excess
	Dongargaon	CHC	5	3	3	1 Excess
	Dongargarh	CHC	9	3	2	2 Short
	Ghumka	CHC	4	2	2	
	Khairagarh	CHC	5	4	4	2 Excess
	Manpur	CHC	5	2	2	
	Mohla	CHC	4	4	2	
	Aasara	PHC	2	1	1	
	Badgaon (Dongargaon)	PHC				
	Basadi	PHC	2	1	1	
	Bharitola	PHC	2	1	1	
	Chilhati	PHC	2	1	1	
	Dangarh	PHC	2	1	1	
	Dugrideahkala	PHC				
	Ganadhatola	PHC	1			
	Gandai	PHC	2	1	1	
	Gotatola	PHC	2	1	1	
	Jalabandha	PHC	2	1	1	
	Khadgaon	PHC	2	1	1	
	Kodikasan	PHC	1	1	1	1 Excess
	Kumardha	PHC	2	1	1	
	Lalbahadurnagar	PHC	2	1	1	
	Mohra	PHC	2	1	1	
	Murmunda	PHC	2	1	1	
	Ondhi	PHC	2	1	1	
	Ramatola	PHC	2	1	1	
	Rangkatara	PHC				
	Salehvara	PHC	2	1	1	
	Somni	PHC	2	1	1	
	Surgi	PHC				
	Tappa	PHC	2	1	1	
	Udaipur	PHC				
	UFHS	PHC	4	2	2	
	Umarwahi	PHC	2	1	1	



District	Site	Type	Functional units	Total no. of stabilizers	Functional units	Status
Sarguja	DHQ Sarguja	DHQ	12	5	5	1 Short
	Balrampur	CHC	5	3	1	1 Short
	Batoli	CHC	3	2	2	
	Bhayadhan	CHC	5	3	2	
	Dhourpur	CHC	6	4	4	1 Excess
	Kusmi	CHC	5	4	3	1 Excess
	Lakhanpur	CHC	5	2	2	
	Odgi	CHC	6	2	2	1 Short
	Pratapur	CHC	4	2		2 Short
	Premnagar	CHC	4	3	3	1 Excess
	Rajpur	CHC	4	5	1	1 Short
	Ramanujganj	CHC	7	4	3	1 Short
	Ramanujnagar	CHC	4	3	3	1 Excess
	Shankargarh	CHC	4	4	2	
	Sitapur	CHC	3	1		2 Short
	Surajpur	CHC	3	1	1	1 Short
	Udaypur	CHC	4	4		2 Short
	Wadarfarnagar	CHC	6	1	1	2 Short
	Aara (Rajpur)	PHC				
	Ajabnagar	PHC	2	2	2	1 Excess
	Bafoli	PHC	2	1	1	
	Bandana	PHC	1	1	1	1 Excess
	Bargideh	PHC				
	Bariyo	PHC	2	3		1 Short
	Barkela	PHC				
	Bartikalan	PHC				
	Basdei	PHC				
	Bataikela (Batoli)	PHC				
	Batra	PHC	1	1	1	1 Excess
	Bhatgaon (Bhayadhan)	PHC	2	1	1	
	Biharpur Chandni	PHC				
	Bishrampur (Surajpur)	PHC	2	1		1 Short
	Chalgali	PHC	2			1 Short
	Chandarpur	PHC				
	Chando	PHC				
	Chandrameda	PHC				
	Darima	PHC	2			1 Short
	Depadeah	PHC				
	Devnagar	PHC	2	1	1	
	Dharampur	PHC	1	1	1	1 Excess
Dhodhagaon	PHC					
Dumardeh	PHC					
Dumarkhola	PHC	1	1	1	1 Excess	
Ganeshpur	PHC	1	1	1	1 Excess	
Ghutarapara	PHC					
Gopalpur	PHC					
Gorpani	PHC					
Gumgara	PHC	1	1	1	1 Excess	
Guturma	PHC					

District	Site	Type	Functional units	Total no. of stabilizers	Functional units	Status
	Jamwantpur (aaragahi)	PHC				
	Jawaharnagar	PHC				
	Kamalpur	PHC				
	Kamari	PHC				
	Kamleshwarpur	PHC	2	2	2	1 Excess
	Kandarai	PHC				
	Karsi	PHC				
	Kedma	PHC	2			1 Short
	Ketaka	PHC				
	Lanjit	PHC				
	Lehpatra	PHC	2	1	1	
	Lundra	PHC	1	1	1	1 Excess
	Maharajganj	PHC	1	1	1	1 Excess
	Narbadapur	PHC	7	3	3	1 Short
	Nawanagar	PHC				
	Pampapur	PHC				
	Pasta	PHC	1	1	1	1 Excess
	Patora	PHC				
	Raghunath nagar	PHC				
	Raghunathpur	PHC	1	1	1	1 Excess
	Ramchandrapur	PHC				
	Ramkola	PHC				
	Revati	PHC				
	Revatpur	PHC				
	Salka (Aghina)	PHC	1	1	1	1 Excess
	Salka(Udaypur)	PHC				
	Samri	PHC				
	Sanawal	PHC				
	Silota	PHC				
	Sonagara	PHC				
	Sonpur	PHC	1			
	Sukheri	PHC	2	2	2	1 Excess
	Tatijhariya	PHC				
	Umreshrapur	PHC				

**APPENDIX M**

**INVENTORY AND STATUS OF COLD BOXES IN THE STATE**

## INVENTORY AND STATUS OF COLD BOXES IN THE STATE

District	Site	Type	5 Litres		8 Litres		20 Litres		25 Litres		Net transportation capacity (gross ltrs)	Net requirement capacity (gross ltr)	Net shortage (Gross Ltr)	Net requirement (2 L boxes)
			Working	Not Working	Working	Not Working	Working	Not Working	Working	Not Working				
<b>Bastar</b>	Abujhamand (Orchha)	CHC	4				2				6	16	44	
	Badekilepal	CHC	3				2	1			55	16	39	
	Bakawand	CHC	2				2				5	16	34	
	Bastar	CHC	2						2		6	16	44	
	Bishrampuri	CHC	2				3				7	16	54	
	Darbha	CHC	1		1		1		3		18	16	92	
	Keshkal	CHC	1	1			2				45	16	29	
	Kondagaon	CHC	1				4		2		135	16	119	
	Lohandiguda	CHC	2						4		11	16	94	
	Makdi	CHC	2				2				5	16	34	
	Narainpur	CHC	2				3				7	16	54	
	Pharasgaon	CHC	2						1		35	16	19	
	Tokapal	CHC	1				2				45	16	29	
	Aadawal	PHC										7	-7	1
	Anantpur	PHC										7	-7	1
	Badedongar	PHC										7	-7	1
	Baderajpur	PHC										7	-7	1
	Bahigaon	PHC					1				2	7	13	
	Banskot	PHC										7	-7	1
	Benur	PHC	1								5	7	-2	1
	Bhanpuri	PHC										7	-7	1
	Chandragiri	PHC										7	-7	1

District	Site	Type	5 Litres		8 Litres		20 Litres		25 Litres		Net transportation capacity (gross ltrs)	Net capacity (gross ltr)	Net shortage (Gross Ltr)	Net requirement (2 L boxes)
			Working	Not Working	Working	Not Working	Working	Not Working	Working	Not Working				
	Chaparbhanpuri	PHC							1		25	7	18	
	Chipawand	PHC										7	-7	1
	Chotedongar	PHC										7	-7	1
	Dhanora (Keskal)	PHC					1				2	7	13	
	Dhanora (Narayanpur)	PHC										7	-7	1
	Gundagaon	PHC										7	-7	1
	Kachnar	PHC										7	-7	1
	Kesarpal	PHC										7	-7	1
	Kohkameta	PHC										7	-7	1
	Mardapal	PHC										7	-7	1
	Mardoom	PHC							1		25	7	18	
	Nangur	PHC							1		25	7	18	
	Neganar	PHC										7	-7	1
	Sampur	PHC										7	-7	1
	Siganpur	PHC										7	-7	1
	Titargaon	PHC										7	-7	1
<b>Bastar Total</b>			<b>26</b>	<b>1</b>	<b>1</b>		<b>25</b>	<b>1</b>	<b>15</b>		<b>113</b>	<b>383</b>	<b>63</b>	<b>2</b>
<b>Bilaspur</b>	DHQ Bilaspur	DHQ							13		325	318	7	
	Bilha	CHC	1				1				25	31	-6	1
	CIMS Medical college	CHC	1								5	31	-26	2
	Civil Hospital (Bilha)	CHC										31	-31	2
	Gorella (1)	CHC	1				3				65	31	34	
	Kota	CHC	3				1	1			6	31	29	
	Loremi	CHC	4					1			45	31	14	
	Marwahi	CHC	2					2			6	31	29	
	Mastori	CHC	1					3			125	31	94	
	Mungeli	CHC	2				2				5	31	19	

District	Site	Type	5 Litres		8 Litres		20 Litres		25 Litres		Net transportation capacity (gross ltrs)	Net capacity (gross ltr)	Net shortage (Gross Ltr)	Net requirement (2 L boxes)
			Working	Not Working	Working	Not Working	Working	Not Working	Working	Not Working				
	Takhatpur	CHC	3				2				55	31	24	
	Chakarbhata	PHC	1				2				45	31	14	
	Ganiyari	PHC	1								5	31	-26	2
	Pathria	PHC	2				2				5	31	19	
	Pendra	PHC							2		5	31	19	
	Ratanpur	PHC	2								1	31	-21	2
	Sakari	PHC	2								1	31	-21	2
	Saragaon	PHC	1				1				25	31	-6	1
	Sepat	PHC										31	-31	2
<b>Bilaspur Total</b>			<b>36</b>				<b>14</b>		<b>22</b>		<b>11</b>	<b>876</b>	<b>134</b>	<b>14</b>
<b>Dantewada</b>	Bhairamgarh	CHC	2				1		1		55	1	45	
	Bhopalpatnam	CHC	2				2				5	1	4	
	Bijapur	CHC					3				6	1	5	
	Chhindgarh	CHC	3				2				55	1	45	
	Dantewada	CHC	2						1	1	35	1	25	
	Geedam	CHC	1					1	1		3	1	2	
	Katekalyan	CHC	1				2				45	1	35	
	Konta	CHC					3				6	1	5	
	Kuwakonda	CHC	1				1		1		5	1	4	
	Sukma	CHC	1		1		1				33	1	23	
	Usur	CHC	1				4				85	1	75	
	Arahanpur	PHC										4	-4	1
	Badebacheli	PHC										4	-4	1
	Badegudra	PHC										4	-4	1
	Badetumnar	PHC										4	-4	1
	Barsur	PHC							1		25	4	21	
	Basagunda	PHC										4	-4	1

District	Site	Type	5 Litres		8 Litres		20 Litres		25 Litres		Net transportation capacity (gross ltrs)	Net capacity (gross capacity (gross ltr)	Net shortage (Gross Ltr)	Net requirement (2 L boxes)
			Working	Not Working	Working	Not Working	Working	Not Working	Working	Not Working				
	Bhusaras	PHC										4	-4	1
	Burdi	PHC										4	-4	1
	Dornapal	PHC										4	-4	1
	Gadiras	PHC										4	-4	1
	Goreli	PHC										4	-4	1
	Ilmidi	PHC										4	-4	1
	Jagargunda	PHC	1				1	1			25	4	21	
	Kerlapal	PHC										4	-4	1
	Kirandul	PHC					1				2	4	16	
	Madderh	PHC										4	-4	1
	Metapal	PHC										4	-4	1
	Palanar	PHC	1								5	4	1	
	Pamed	PHC										4	-4	1
	Pharaspal	PHC										4	-4	1
	Podung	PHC										4	-4	1
	Potali	PHC										4	-4	1
	Puspal	PHC										4	-4	1
	Sameli	PHC					1				2	4	16	
	Surnar	PHC										4	-4	1
	Tompal	PHC					1				2	4	16	
<b>Dantewada Total</b>			<b>16</b>		<b>1</b>		<b>23</b>	<b>2</b>	<b>5</b>	<b>1</b>	<b>673</b>	<b>214</b>	<b>459</b>	<b>2</b>
<b>Dhamtari</b>	DHQ Dhamtari	DHQ	2				4				9	112	-22	2
	Dhamtari (Gujra)	CHC										28	-28	2
	Kurud	CHC	2				3				7	28	42	
	Magarlod	CHC	5				3				85	28	57	
	Nagari (Sihava)	CHC	2				1				3	28	2	
	Badikerali	PHC	2								1	11	-1	1

District	Site	Type	5 Litres		8 Litres		20 Litres		25 Litres		Net transportation capacity (gross ltrs)	Net capacity (gross ltr)	Net shortage (Gross Ltr)	Net requirement (2 L boxes)
			Working	Not Working	Working	Not Working	Working	Not Working	Working	Not Working				
	Belergaon	PHC					1				2	11	9	
	Bhatgaon (Dhamtari)	PHC										11	-11	1
	Dugli	PHC	1				1				25	11	14	
	Gattasilli	PHC										11	-11	1
	Jijamgaon	PHC										11	-11	1
	Kandel	PHC										11	-11	1
	Keregaon	PHC					1				2	11	9	
	Sihava	PHC										11	-11	1
	Sirri	PHC										11	-11	1
<b>Dhamtari Total</b>			<b>14</b>				<b>14</b>				<b>35</b>	<b>334</b>	<b>16</b>	<b>11</b>
<b>Durg</b>	Arjunda	CHC	2				1				3	32	-2	1
	Balod	CHC	3				1				35	32	3	
	Berla	CHC	1				2				45	32	13	
	Dhamdha	CHC	2				3				7	32	38	
	Dondi	CHC	4				2				6	32	28	
	Dondi Lohara	CHC	1				2				45	32	13	
	Gunderdehi	CHC	3				2				55	32	23	
	Gurur	CHC	2				2				5	32	18	
	Khandsara	CHC					1				2	32	-12	1
	Nawagarh	CHC	2				2	1			5	32	18	
	Nikum	CHC	1				1				25	32	-7	1
	Patan	CHC	2				2				5	32	18	
	Saja	CHC	1				2				45	32	13	
	Utai	CHC	1								5	32	-27	2
	Ahiwara	PHC	1				1				25	9	16	
	Amadula	PHC										9	-9	1
	Bemetara	PHC					2				4	9	31	



District	Site	Type	5 Litres		8 Litres		20 Litres		25 Litres		Net transportation capacity (gross ltrs)	Net capacity (gross ltr)	Net shortage (Gross Ltr)	Net requirement (2 L boxes)
			Working	Not Working	Working	Not Working	Working	Not Working	Working	Not Working				
	Bhilai 3	PHC	1				2				45	9	36	
	Bhilai sector 8	PHC										9	-9	1
	Chandanu	PHC										9	-9	1
	Chhirha	PHC										9	-9	1
	Chikhalakasa	PHC	2				1				3	9	21	
	Dadhi	PHC	1				1				25	9	16	
	Dargaon	PHC	1								5	9	-4	1
	Durg OPD	PHC										9	-9	1
	Gadadih	PHC	2				1				3	9	21	
	Ghotiya	PHC										9	-9	1
	Gujra	PHC										9	-9	1
	Gundheli	PHC										9	-9	1
	Hanoda	PHC	1								5	9	-4	1
	Jheet	PHC					1				2	9	11	
	Kalangpur	PHC					1				2	9	11	
	Khursipar	PHC	1								5	9	-4	1
	Khursul	PHC										9	-9	1
	Litiya (Bori)	PHC					1				2	9	11	
	Mahud	PHC	1				1				25	9	16	
	Mangchua	PHC	1								5	9	-4	1
	Maro	PHC	1								5	9	-4	1
	Murmunda (Dhamdha)	PHC	1				1				25	9	16	
	Nahanda	PHC					1				2	9	11	
	Nandghat	PHC										9	-9	1
	Nankatti	PHC	1				1				25	9	16	
	Palari (Gurur)	PHC	1				1				25	9	16	
	Pendrawan	PHC					1				2	9	11	

District	Site	Type	5 Litres		8 Litres		20 Litres		25 Litres		Net transportation capacity (gross ltrs)	Net capacity (gross ltr)	Net shortage (Gross Ltr)	Net requirement (2 L boxes)
			Working	Not Working	Working	Not Working	Working	Not Working	Working	Not Working				
	Perpodi	PHC	1								5	9	-4	1
	Purur	PHC					1				2	9	11	
	Ranchirai	PHC	2								1	9	1	
	Ranitarai	PHC	2				1				3	9	21	
	Rasmadah	PHC	1				1		1		5	9	41	
	Sambelpur	PHC					1				2	9	11	
	Sanjari	PHC										9	-9	1
	Sirsida	PHC	1								5	9	-4	1
	Supela	PHC	1				2				45	9	36	
	Surdongar	PHC										9	-9	1
	Surdung	PHC	1				1				25	9	16	
	Suregaon	PHC					1				2	9	11	
	Temari	PHC					2				4	9	31	
	Than Khamhariya	PHC	1				1				25	9	16	
	UFW Centre Durg	PHC										9	-9	1
<b>Durg Total</b>			<b>51</b>				<b>51</b>	<b>1</b>	<b>1</b>		<b>13</b>	<b>853</b>	<b>447</b>	<b>25</b>
<b>Janjgir</b>	DHQ Janjgir	DHQ					13				26	21	5	
	Akaltara	CHC	2				2				5	26	24	
	Baloda	CHC	5				1				45	26	19	
	Bamhndih	CHC	5				1				45	26	19	
	Dabhara	CHC					6				12	26	94	
	Jaijaipur	CHC	2				3				7	26	44	
	Janjgir (Nawagarh)	CHC	3				5				115	26	89	
	Malkharoda	CHC	5				5		5		25	26	224	
	Pamgarh	CHC	1				2				45	26	19	
	Champa Civil dispensory	PHC	1								5	7	-65	4

District	Site	Type	5 Litres		8 Litres		20 Litres		25 Litres		Net transportation capacity (gross ltrs)	Net capacity (gross ltr)	Net shortage (Gross Ltr)	Net requirement (2 L boxes)
			Working	Not Working	Working	Not Working	Working	Not Working	Working	Not Working				
	Chandrapur	PHC										7	-7	4
<b>Janjgir Total</b>			<b>24</b>				<b>38</b>		<b>5</b>		<b>15</b>	<b>558</b>	<b>447</b>	<b>8</b>
<b>Jashupur</b>	DHQ Jashpur	DHQ	4				6				14	118	22	
	Bagicha	CHC	2				2				5	16	34	
	Duldula	CHC	1				1				25	16	9	
	Kansabel	CHC	3				2				55	16	39	
	Kunkuari	CHC	1				1				25	16	9	
	Manora	CHC	1				1				25	16	9	
	Parsabhar	CHC	1				1				25	16	9	
	Pathalgaon	CHC	4				4				1	16	84	
	Champa	PHC										3	-3	1
	Cohan	PHC	2				1				3	3	27	
	Kotaba	PHC										3	-3	1
	Sanna	PHC	1				1				25	3	22	
	Tapkara	PHC										3	-3	1
<b>Jashupur Total</b>			<b>2</b>				<b>2</b>				<b>5</b>	<b>245</b>	<b>255</b>	<b>3</b>
<b>Kanker</b>	DHQ Kanker	DHQ										14	-14	6
	Antagarh	CHC	4				6				14	17	123	
	Bhanupratapur	CHC	2				3				7	17	53	
	charama	CHC	5				3				85	17	68	
	Durgu kondal	CHC	1				3				65	17	48	
	Koyali beda	CHC	1				1				25	17	8	
	Sarona (Narharpurn)	CHC					2				4	17	23	
	Amoda	PHC	1				2				45	6	39	
	Bande	PHC	5				3				85	6	79	
	Civil Hospital (Kanker)	PHC										6	-6	1
	Damkasa	PHC										6	-6	1

District	Site	Type	5 Litres		8 Litres		20 Litres		25 Litres		Net transportation capacity (gross ltrs)	Net capacity (gross ltr)	Net shortage (Gross Ltr)	Net requirement (2 L boxes)
			Working	Not Working	Working	Not Working	Working	Not Working	Working	Not Working				
	DhaneliKanhar	PHC	2				2				5	6	44	
	Halba	PHC										6	-6	1
	Kapsi	PHC	2				1				3	6	24	
	Korar	PHC										6	-6	1
	Lakhanpuri	PHC										6	-6	1
	Pathanjoor	PHC										6	-6	1
	Pedapal	PHC										6	-6	1
	Sarona	PHC					1				2	6	14	
	Tadoki	PHC										6	-6	1
<b>Kanker Total</b>			<b>23</b>				<b>27</b>				<b>655</b>	<b>284</b>	<b>371</b>	<b>14</b>
<b>Kavarda</b>	DHQ Kawardha	DHQ	2				2				5	93	-43	3
	Bodla	CHC	5				4			15	23	82		
	Kawarda	CHC	2				2	2			5	23	27	
	Pandariya	CHC	1				3				65	23	42	
	Sahaspur lohara	CHC	4				3				8	23	57	
	Bhibori	PHC										9	-9	1
	Chirpani	PHC										9	-9	1
	Damapur	PHC										9	-9	1
	Kishangarh	PHC										9	-9	1
	Kukudar	PHC										9	-9	1
	Kunda	PHC					1				2	9	11	
	Panda tarai	PHC										9	-9	1
	Pipariya	PHC										9	-9	1
	Rengakhar	PHC										9	-9	1
	Taregaon	PHC					1	1			2	9	11	
<b>Kavarda Total</b>			<b>14</b>				<b>16</b>	<b>3</b>			<b>39</b>	<b>275</b>	<b>115</b>	<b>11</b>
<b>Korba</b>	Kartala	CHC	4				8				18	32	148	

District	Site	Type	5 Litres		8 Litres		20 Litres		25 Litres		Net transportation capacity (gross ltrs)	Net capacity (gross ltr)	Net shortage (Gross Ltr)	Net requirement (2 L boxes)
			Working	Not Working	Working	Not Working	Working	Not Working	Working	Not Working				
	Katghora	CHC	4				1				4	32	8	
	Korba	CHC	4				4				1	32	68	
	Pali	CHC	4				1				4	32	8	
	Podi Uroda	CHC	2				1				3	32	-2	1
	Hardibazar	PHC	1								5	7	-2	1
	Pasan	PHC	1								5	7	-2	1
<b>Korba Total</b>			<b>2</b>				<b>15</b>				<b>4</b>	<b>174</b>	<b>226</b>	<b>3</b>
<b>Korea</b>	DHQ Baikunthpur	DHQ	6				5				13	93	37	
	Bharatpur (Janakpur)	CHC	2				5				11	23	87	
	Khadgawan	CHC	2				2				5	23	27	
	Manendragarh	CHC	4				1				4	23	17	
	Sonahat	CHC	2				2				5	23	27	
	Bachrapodi	PHC										5	-5	1
	Badesalhi	PHC										5	-5	1
	Belbehra	PHC										5	-5	1
	Bharatpur	PHC										5	-5	1
	Buhar	PHC										5	-5	1
	Chirmiri	PHC					1				2	5	15	
	Katgodi	PHC										5	-5	1
	Kelhari	PHC										5	-5	1
	Kotadol	PHC										5	-5	1
	Kuwarpur	PHC										5	-5	1
	Madisarai	PHC										5	-5	1
	Mansukh	PHC										5	-5	1
	Nagpur	PHC										5	-5	1
	Patna	PHC	2								1	5	5	
	Ramgarh	PHC										5	-5	1

District	Site	Type	5 Litres		8 Litres		20 Litres		25 Litres		Net transportation capacity (gross ltrs)	Net capacity (gross ltr)	Net shortage (Gross Ltr)	Net requirement (2 L boxes)
			Working	Not Working	Working	Not Working	Working	Not Working	Working	Not Working				
	Salka(Khadgawan)	PHC										5	-5	1
	Sonhari	PHC										5	-5	1
	Tegni	PHC										5	-5	1
<b>Korea Total</b>			<b>18</b>				<b>16</b>				<b>41</b>	<b>275</b>	<b>135</b>	<b>16</b>
<b>Mahasamund</b>	DHQ Mahasamund	DHQ	3				7				155	137	18	
	Bagbahara	CHC	6				4				11	34	76	
	Basna	CHC	4				5				12	34	86	
	Pithora	CHC	3				1				35	34	1	
	Saraipali	CHC	5				5				125	34	91	
	Baloda (Saraipali)	PHC										8	-8	1
	Baroli	PHC										8	-8	1
	Bhitideah	PHC										8	-8	1
	Bhurkoni	PHC										8	-8	1
	Birkoni	PHC										8	-8	1
	Chanat	PHC										8	-8	1
	CS office	PHC	2				2				5	8	42	
	Jhalap	PHC	2								1	8	2	
	Jhara	PHC										8	-8	1
	Khallari	PHC										8	-8	1
	Khatti	PHC										8	-8	1
	Komakhan	PHC										8	-8	1
	Pathsendari	PHC										8	-8	1
	Pirda	PHC	1				1				25	8	17	
	Sankara	PHC	1								5	8	-3	1
	Tumgaon	PHC	2								1	8	2	
<b>Mahasamund Total</b>			<b>29</b>				<b>25</b>				<b>645</b>	<b>41</b>	<b>244</b>	<b>12</b>

District	Site	Type	5 Litres		8 Litres		20 Litres		25 Litres		Net transportation capacity (gross ltrs)	Net capacity (gross ltr)	Net shortage (Gross Ltr)	Net requirement (2 L boxes)
			Working	Not Working	Working	Not Working	Working	Not Working	Working	Not Working				
<b>Raigarh</b>	Chapla	CHC					6				12	25	95	
	Dharamjaigarh	CHC					1				2	25	-5	1
	Gharghoda	CHC	2				2				5	25	25	
	Kharsia	CHC	1				1				25	25		
	Lailunga	CHC	1				2				45	25	2	
	Pussor	CHC	2				1				3	25	5	
	Tamnar	CHC	1				1				25	25		
	Vijayanagar (Kapu)	CHC										25	-25	2
	Baramkela	PHC	1				2				45	4	41	
	Jobi	PHC										4	-4	1
	Kodatarai	PHC										4	-4	1
	Kosir	PHC										4	-4	1
	Loing	PHC	1				1				25	4	21	
	Nandeli	PHC										4	-4	1
	Saranggarh	PHC	1				2				45	4	41	
	Sariya lengha	PHC										4	-4	1
	UFWC (HQ) Raigarh	PHC					1				2	4	16	
	Vijayanagar	PHC	1		1		3				73	4	69	
<b>Raigarh Total</b>			<b>11</b>		<b>1</b>		<b>23</b>				<b>523</b>	<b>24</b>	<b>283</b>	<b>8</b>
<b>Raipur</b>	Abhanpur	CHC	1				2				45	32	13	
	Arang	CHC					3				6	32	28	
	Baloudabajar (Lavan)	CHC	1				3				65	32	33	
	Bhatapara	CHC					3				6	32	28	
	Bilaigarh	CHC										32	-32	2
	Chhura	CHC	2				4				9	32	58	
	Deobhog	CHC	1				5			1	5	32	73	
	Dharsiwa	CHC	2				5				11	32	78	

District	Site	Type	5 Litres		8 Litres		20 Litres		25 Litres		Net transportation capacity (gross ltrs)	Net capacity (gross ltr)	Net shortage (Gross Ltr)	Net requirement (2 L boxes)
			Working	Not Working	Working	Not Working	Working	Not Working	Working	Not Working				
	Gariyaband	CHC					6				12	32	88	
	Kasdol	CHC	3				5				115	32	83	
	Mainpur	CHC	3				3				75	32	43	
	Palari	CHC	1				3				65	32	33	
	Phingeshwar	CHC	2				5				11	32	78	
	Simga	CHC	2				4				9	32	58	
	Tilda	CHC	2				2				5	32	18	
	Amlimandar	PHC										1	-1	1
	Bhansoj	PHC										1	-1	1
	Bhatgaon (Bhilaigarh)	PHC	1								5	1	-5	1
	Champaran	PHC										1	-1	1
	Chandkhuri farm	PHC	1								5	1	-5	1
	Dr. Ambedkar Hospital	PHC					1				2	1	1	
	Hathband	PHC										1	-1	1
	Kharora	PHC										1	-1	1
	Khilora	PHC										1	-1	1
	Kopra	PHC										1	-1	1
	Lavan	PHC					6				12	1	11	
	Mandhar	PHC										1	-1	1
	Mandir Hasid	PHC					1				2	1	1	
	Nawapara	PHC	1				1				25	1	15	
	Nipniya	PHC										1	-1	1
	Panduka	PHC					2				4	1	3	
	Pharphoud	PHC	1								5	1	-5	1
	Piprachedi	PHC					2				4	1	3	
	Rajim	PHC										1	-1	1
	Sarsiwa	PHC	1				1				25	1	15	



District	Site	Type	5 Litres		8 Litres		20 Litres		25 Litres		Net transportation capacity (gross ltrs)	Net required capacity (gross ltr)	Net shortage (Gross Ltr)	Net requirement (2 L boxes)
			Working	Not Working	Working	Not Working	Working	Not Working	Working	Not Working				
	Silyari	PHC										1	-1	1
	UFWC Kalibadi	PHC			3						24	1	14	
	Urmal	PHC										1	-1	1
<b>Raipur Total</b>			<b>25</b>		<b>3</b>			<b>67</b>			<b>1489</b>	<b>71</b>	<b>779</b>	<b>17</b>
<b>Rajnandgaon</b>	DHQ Rajnandgaon	DHQ						5			1	25	-15	6
	Ambagarh Chowki	CHC	2					3			7	22	48	
	Chuikhadan	CHC	2					1			3	22	8	
	Churiya	CHC	2					1			3	22	8	
	Dongargaon	CHC	2					1			3	22	8	
	Dongargarh	CHC	4					7			16	22	138	
	Ghumka	CHC	2	2				4			9	22	68	
	Khairagarh	CHC	3					2	1		55	22	33	
	Manpur	CHC	2					2			5	22	28	
	Mohla	CHC	3					2			55	22	33	
	Aasara	PHC										7	-7	1
	Badgaon (Dongargaon)	PHC										7	-7	1
	Basadi	PHC	1								5	7	-2	1
	Bharitola	PHC	1								5	7	-2	1
	Chilhathi	PHC	1								5	7	-2	1
	Dangarh	PHC										7	-7	1
	Dugrideahkala	PHC										7	-7	1
	Ganadhatola	PHC										7	-7	1
	Gandai	PHC	1								5	7	-2	1
	Gotatola	PHC										7	-7	1
	Jalabandha	PHC	1								5	7	-2	1
	Khadgaon	PHC	1								5	7	-2	1

District	Site	Type	5 Litres		8 Litres		20 Litres		25 Litres		Net transportation capacity (gross ltrs)	Net capacity (gross ltr)	Net shortage (Gross Ltr)	Net requirement (2 L boxes)
			Working	Not Working	Working	Not Working	Working	Not Working	Working	Not Working				
	Kodikasan	PHC										7	-7	1
	Kumardha	PHC										7	-7	1
	Lalbahadurnagar	PHC										7	-7	1
	Mohra	PHC										7	-7	1
	Murmunda	PHC					1				2	7	13	
	Ondhi	PHC					1				2	7	13	
	Ramatola	PHC										7	-7	1
	Rangkatera	PHC										7	-7	1
	Salehvara	PHC	1								5	7	-2	1
	Somni	PHC										7	-7	1
	Surgi	PHC										7	-7	1
	Tappa	PHC										7	-7	1
	Udaipur	PHC										7	-7	1
	UFHS	PHC					1				2	7	13	
	Umarwahi	PHC	1								5	7	-2	1
<b>Rajnandgaon Total</b>			<b>3</b>	<b>2</b>			<b>31</b>	<b>1</b>			<b>77</b>	<b>592</b>	<b>178</b>	<b>3</b>
<b>Sarguja</b>	DHQ Sarguja	DHQ	2				9		3		265	315	-5	3
	Balrampur	CHC	1				2				45	18	27	
	Batoli	CHC	2				2				5	18	32	
	Bhayadhan	CHC					3				6	18	42	
	Dhourpur	CHC	1				5			15		18	87	
	Kusmi	CHC	1				3				65	18	47	
	Lakhanpur	CHC	2				4				9	18	72	
	Odgi	CHC	2				3				7	18	52	
	Pratapur	CHC	2				2				5	18	32	
	Premnagar	CHC	1				1				25	18	7	

District	Site	Type	5 Litres		8 Litres		20 Litres		25 Litres		Net transportation capacity (gross ltrs)	Net capacity (gross ltr)	Net shortage (Gross Ltr)	Net requirement (2 L boxes)
			Working	Not Working	Working	Not Working	Working	Not Working	Working	Not Working				
	Rajpur	CHC	2				2				5	18	32	
	Ramanujganj	CHC	2				3				7	18	52	
	Ramanujnagar	CHC	1				2				45	18	27	
	Shankargarh	CHC	4				4				1	18	82	
	Sitapur	CHC	3				3				75	18	57	
	Surajpur	CHC	3				3				75	18	57	
	Udaypur	CHC	3				1				35	18	17	
	Wadarfarnagar	CHC	3				3				75	18	57	
	Aara (Rajpur)	PHC										4	-4	1
	Ajabnagar	PHC										4	-4	1
	Bafoli	PHC										4	-4	1
	Bandana	PHC	1								5	4	1	
	Bargideh	PHC										4	-4	1
	Bariyo	PHC	1								5	4	1	
	Bartikalan	PHC										4	-4	1
	Basdei	PHC										4	-4	1
	Bataikela (Batoli)	PHC										4	-4	1
	Batra	PHC										4	-4	1
	Bhatgaon (Bhayadhan)	PHC	1				1				25	4	21	
	Biharpur Chandni	PHC										4	-4	1
	Bishrampur (Surajpur)	PHC										4	-4	1
	Chalgali	PHC										4	-4	1
	Chandarpur	PHC										4	-4	1
	Chandrameda	PHC										4	-4	1
	Darima	PHC					3				6	4	56	
	Depadeah	PHC										4	-4	1
	Devnagar	PHC										4	-4	1

District	Site	Type	5 Litres		8 Litres		20 Litres		25 Litres		Net transportation capacity (gross ltrs)	Net capacity (gross capacity (gross ltr)	Net shortage (Gross Ltr)	Net requirement (2 L boxes)
			Working	Not Working	Working	Not Working	Working	Not Working	Working	Not Working				
	Dharampur	PHC										4	-4	1
	Dhodhagaon	PHC										4	-4	1
	Dumardeh	PHC										4	-4	1
	Dumarkhola	PHC										4	-4	1
	Ganeshpur	PHC										4	-4	1
	Ghutarapara	PHC										4	-4	1
	Gopalpur	PHC										4	-4	1
	Gorpani	PHC										4	-4	1
	Gumgara	PHC										4	-4	1
	Guturma	PHC										4	-4	1
	Jamwantpur (aaragahi)	PHC										4	-4	1
	Jawaharnagar	PHC										4	-4	1
	Kamalpur	PHC										4	-4	1
	Kamari	PHC										4	-4	1
	Kamleshwarpur	PHC										4	-4	1
	Kandarai	PHC										4	-4	1
	Karsi	PHC										4	-4	1
	Kedma	PHC										4	-4	1
	Ketaka	PHC										4	-4	1
	Lanjit	PHC										4	-4	1
	Lehpatra	PHC										4	-4	1
	Lundra	PHC										4	-4	1
	Maharajganj	PHC										4	-4	1
	Narbadapur	PHC	4				1				4	4	36	
	Nawanagar	PHC										4	-4	1
	Pasta	PHC										4	-4	1
	Patora	PHC										4	-4	1

District	Site	Type	5 Litres		8 Litres		20 Litres		25 Litres		Net transportation capacity (gross ltrs)	Net capacity (gross ltr)	Net shortage (Gross Ltr)	Net requirement (2 L boxes)
			Working	Not Working	Working	Not Working	Working	Not Working	Working	Not Working				
	Raghunath nagar	PHC										4	-4	1
	Raghunathpur	PHC										4	-4	1
	Ramchandrapur	PHC										4	-4	1
	Ramkola	PHC										4	-4	1
	Revati	PHC										4	-4	1
	Revatpur	PHC										4	-4	1
	Salka (Aghina)	PHC										4	-4	1
	Salka(Udaypur)	PHC										4	-4	1
	Samri	PHC										4	-4	1
	Sanawal	PHC										4	-4	1
	Silota	PHC										4	-4	1
	Sonagara	PHC										4	-4	1
	Sonpur	PHC										4	-4	1
	Sukheri	PHC										4	-4	1
	Umreshravpur	PHC										4	-4	1
<b>Sarguja Total</b>			<b>42</b>				<b>6</b>		<b>3</b>		<b>1485</b>	<b>865</b>	<b>62</b>	<b>59</b>
<b>Grand Total</b>			<b>399</b>	<b>12</b>	<b>6</b>		<b>465</b>	<b>8</b>	<b>51</b>	<b>1</b>	<b>12618</b>	<b>7279</b>	<b>5339</b>	<b>271</b>

**APPENDIX N**

**DETAILED INVENTORY OF VACCINE CARRIER IN THE  
STATE**

## DETAILED INVENTORY OF VACCINE CARRIER IN THE STATE

District	Site	Type	Good Condition	Beyond Use
Bastar	Aadawal	PHC	5	
	Abujhamand (Orchha)	CHC	50	5
	Anantpur	PHC	7	
	Badedongar	PHC	30	
	Badekilepal	CHC	132	13
	Baderajpur	PHC	18	
	Bahigaon	PHC	45	5
	Bakawand	CHC		
	Banoon	PHC		
	Banskot	PHC	2	
	Bastar	CHC	150	25
	Benur	PHC	23	
	Bhanpuri	PHC	6	
	Bishrampuri	CHC	120	10
	Chandragiri	PHC	13	
	Chaparbhhanpuri	PHC	32	
	Chipawand	PHC		
	Chotedongar	PHC	40	
	Darbha	CHC	41	13
	Dhanora (Keskhal)	PHC	35	5
	Dhanora (Narayanpur)	PHC	12	
	DHQ Jagdalpur	DHQ		
	Gundagaon	PHC	5	1
	Kachnar	PHC	15	1
	Kalepal	PHC		
	Kesarpal	PHC	2	
	Keshkal	CHC	206	6
	Kohkameta	PHC		
	Kondagaon	CHC	155	
	Kumrahwand	PHC		
	Lohandiguda	CHC	100	35
	Makdi	CHC	181	
	Mardapal	PHC	3	
	Mardoom	PHC	14	
	Nagarnar	PHC		
	Nangur	PHC	120	
	Narainpur	CHC	224	3
	Neganar	PHC	11	
	Pharasgaon	CHC	180	20
	Sampur	PHC	2	
	Siganpur	PHC	1	
Titargaon	PHC	10		
Tokapal	CHC	90	10	
	<b>Total</b>		<b>2080</b>	<b>152</b>
Bilaspur	Bilha	CHC	223	
	Chakarbhata	PHC	24	1
	CIMS Medical college	CHC		
	Civil Hospital (Bilha)	CHC	18	

District	Site	Type	Good Condition	Beyond Use
	Dashrangpur	PHC		
	DHQ Bilaspur	DHQ		
	Ganiyari	PHC	32	
	Gorella (1)	CHC	130	30
	Kota	CHC	231	
	Loremi	CHC	183	60
	Marwahi	CHC	200	
	Mastori	CHC	232	20
	Mungeli	CHC	300	10
	Pathria	PHC	170	11
	Pendra	PHC	80	10
	Ratanpur	PHC		
	Sakari	PHC		
	Salhegori	PHC		
	Saragaon	PHC	35	10
	Sepat	PHC	40	14
	Takhatpur	CHC	120	6
		<b>Total</b>		<b>2018</b>
Dantewada	Arahanpur	PHC	2	
	Badebacheli	PHC	24	
	Badegudra	PHC		
	Badetumnar	PHC	17	
	Barsur	PHC	15	
	Basagunda	PHC	12	
	Bhairamgarh	CHC	90	8
	Bhopalpatnam	CHC	85	
	Bhusaras	PHC	2	
	Bijapur	CHC	73	3
	Burdi	PHC	4	
	Chhindgarh	CHC	100	8
	Dantewada	CHC	96	6
	DHQ Dantewada	DHQ		
	Dornapal	PHC	10	4
	Gadiras	PHC	45	5
	Geedam	CHC	81	5
	Goreli	PHC	6	
	Ilmidi	PHC	18	
	Jagargunda	PHC	45	5
	Katekalyan	CHC	37	10
	Kerlapal	PHC	20	
	Kirandul	PHC	31	
	Konta	CHC	100	5
	Kuwakonda	CHC	60	30
	Madderh	PHC	6	
	Metapal	PHC	2	
	Palanar	PHC	12	3
	Pamed	PHC	8	
	Pharaspal	PHC	6	
	Podung	PHC	2	
Potali	PHC	2		
Pusgudi	PHC			



District	Site	Type	Good Condition	Beyond Use
	Puspal	PHC		
	Sameli	PHC	5	4
	Sukma	CHC	108	
	Surnar	PHC	1	
	Tarlagunda	PHC		
	Tompal	PHC	40	
	Usur	CHC	120	10
	<b>Total</b>		<b>1285</b>	<b>106</b>
Dhamtari	Badikerali	PHC	23	
	Belergaon	PHC	32	2
	Bhatgaon (Dhamtari)	PHC	4	
	Dhamtari (Gujra)	CHC	75	
	DHQ Dhamtari	DHQ		
	Dugli	PHC	35	15
	Gattasilli	PHC	1	
	Jijamgaon	PHC	20	
	Kandel	PHC	4	
	Keregaon	PHC	35	5
	Kurud	CHC	156	20
	Magarlod	CHC	182	60
	Nagari (Sihava)	CHC	30	4
	Sihava	PHC	34	
	Sirri	PHC	7	
<b>Total</b>		<b>638</b>	<b>106</b>	
Durg	Ahiwara	PHC	25	3
	Amadula	PHC	3	
	Arjunda	CHC	54	10
	Balod	CHC	158	2
	Bemetara	PHC	145	10
	Berla	CHC	85	21
	Bhilai 3	PHC	61	8
	Bhilai sector 8	PHC	116	
	Chandanu	PHC	8	
	Chhirha	PHC	2	
	Chikhalakasa	PHC	66	5
	Dadhi	PHC	44	4
	Dargaon	PHC	21	
	Dhamdha	CHC	64	6
	DHQ Durg	DHQ		
	Dondi	CHC	96	108
	Dondi Lohara	CHC	147	20
	Durg OPD	PHC		
	Gadadih	PHC	35	6
	Ghotiya	PHC	9	
	Gujra	PHC	200	150
	Gunderdehi	CHC	102	8
	Gundheli	PHC	41	4
	Gurur	CHC	65	5
	Hanoda	PHC	15	
	Jheet	PHC	28	
	J-Sankara	PHC		

District	Site	Type	Good Condition	Beyond Use
	Kalangpur	PHC	20	
	Khandsara	CHC	70	
	Khursipar	PHC	26	1
	Khursul	PHC	2	
	Litiya (Bori)	PHC	26	10
	Mahud	PHC	32	4
	Mangchua	PHC	44	1
	Maro	PHC	20	
	Murmunda (Dhamdha)	PHC	29	4
	Nagpura	PHC		
	Nahanda	PHC	10	
	Nandghat	PHC	1	
	Nankatti	PHC	19	5
	Nawagarh	CHC	209	20
	Nikum	CHC	24	
	Palari (Gurur)	PHC	33	
	Patan	CHC	40	10
	Pendrawan	PHC	22	3
	Perpodi	PHC	26	6
	Pipechedi	PHC		
	Purur	PHC	28	
	Ranchirai	PHC	5	10
	Ranitarai	PHC	45	
	Rasmadah	PHC	34	
	Saja	CHC	200	28
	Sambelpur	PHC	54	4
	Sanjari	PHC	9	
	Sirsida	PHC	27	
	Supela	PHC	207	8
	Surdongar	PHC	8	
	Surdung	PHC	35	
	Suregaon	PHC	20	5
	Temari	PHC	35	3
Than Khamhariya	PHC	56		
UFW Centre Durg	PHC	89	6	
Utai	CHC	18	2	
	<b>Total</b>		<b>3113</b>	<b>500</b>
Janjgir	Akaltara	CHC	136	30
	Baloda	CHC	180	5
	Bamhndih	CHC	155	15
	Champa Civil dispensory	PHC	30	
	Chandrapur	PHC	28	
	Dabhara	CHC	153	2
	DHQ Janjgir	DHQ		
	Jaijaipur	CHC	118	10
	Janjgir (Nawagarh)	CHC	200	41
	Malkharoda	CHC	145	
	Pamgarh	CHC	146	12
	Shivrinarayan	PHC		
	<b>Total</b>		<b>1291</b>	<b>115</b>

District	Site	Type	Good Condition	Beyond Use
Jashpur	Aara (Jashpunagar)	PHC		
	Aasta	PHC		
	Baghbahra	PHC		
	Bagicha	CHC	115	5
	Bataikela	PHC		
	Bhagora	PHC		
	Champa	PHC		
	Chichli	PHC		
	Cohan	PHC	155	5
	DHQ Jashpur	DHQ	67	
	Dokada	PHC		
	Duldula	CHC	180	10
	Goriya	PHC		
	Kalega	PHC		
	Kansabel	CHC	113	10
	Kastura	PHC		
	Keradih	PHC		
	Kerarai	PHC		
	Kilkila	PHC		
	Kotaba	PHC	9	
	Kukargaon	PHC		
	Kunkuari	CHC	167	5
	Kurog	PHC		
	Laudang	PHC		
	Manora	CHC	118	12
	Menhi	PHC		
	Narayanpur	PHC		
	Palidih	PHC		
	Parsabahar	CHC	158	20
	Pathalgaon	CHC	236	20
	Peku	PHC		
	Pendrapath	PHC		
	Ranpur	PHC		
Sanna	PHC	105	10	
Shekharpur	PHC			
Son Bayari	PHC			
Tamta	PHC			
Tapkara	PHC	12		
	<b>Total</b>		<b>1435</b>	<b>97</b>
Kanker	Amoda	PHC	30	10
	Antagarh	CHC	265	15
	Badgaon (Koyelobeda)	PHC		
	Bande	PHC	114	12
	Bhanbeda	PHC		
	Bhanupratapur	CHC	120	
	charama	CHC	130	5
	Civil Hospital (Kanker)	PHC	40	
	Damkasa	PHC		
	DhaneliKanhar	PHC	148	15
	DHQ Kanker	DHQ		
	Durgu kondal	CHC	185	5

District	Site	Type	Good Condition	Beyond Use
	Halba	PHC	4	
	Haradula	PHC		
	Kapsi	PHC	140	5
	Korar	PHC	4	
	kottara	PHC		
	Koyali beda	CHC	81	5
	Lakhanpuri	PHC		
	Pathanjoor	PHC	2	
	Pedapal	PHC		
	Sarona	PHC	65	5
	Sarona (Narharpurn)	CHC	65	10
	Tadoki	PHC		
	<b>Total</b>		<b>1393</b>	<b>87</b>
Kavarda	Bhibori	PHC	6	
	Bodla	CHC	245	7
	Chirpani	PHC	4	
	Damapur	PHC	1	
	DHQ Kawardha	DHQ	172	
	Kawarda	CHC	185	15
	Kishangarh	PHC	1	
	Kukudar	PHC	50	
	Kunda	PHC	50	15
	Panda tarai	PHC	2	
	Pandariya	CHC	160	20
	Pipariya	PHC	10	
	Rengakhar	PHC	4	
	Sahaspur lohara	CHC	135	
Taregaon	PHC	2	10	
	<b>Total</b>		<b>1027</b>	<b>67</b>
Korba	Ajgar Bahar	PHC		
	Bhaisma	PHC		
	Chiknipali	PHC		
	DHQ Korba	DHQ		
	Farsawani	PHC		
	Hardibazar	PHC	24	
	Jataga	PHC		
	Kartala	CHC	200	30
	Katghora	CHC	266	10
	Kerakchar	PHC		
	Korba	CHC	280	40
	Korgoma	PHC		
	Kothari	PHC		
	Kudumura	PHC		
	Lafa	PHC		
	Lemaru	PHC		
	Mahora	PHC		
	Mongra	PHC		
	Morga	PHC		
	Pali	CHC	196	50
Pasan	PHC	45		
Podi Uproda	CHC	120	68	

District	Site	Type	Good Condition	Beyond Use
	Rampur	PHC		
	Saragbudhiya	PHC		
	Shayang	PHC		
	Tilkeja	PHC		
	Tuman	PHC		
	<b>Total</b>			<b>1131</b>
Korea	Bachrapodi	PHC	8	
	Badesalhi	PHC	6	
	Belbehra	PHC	5	
	Bharatpur	PHC	5	
	Bharatpur (Janakpur)	CHC	180	10
	Buhar	PHC	7	
	Chirmiri	PHC	64	2
	DHQ Baikunthpur	DHQ	360	5
	Katgodi	PHC	5	
	Kelhari	PHC	6	
	Khadgawan	CHC	60	5
	Kotadol	PHC	7	
	Kuwarpur	PHC	6	
	Madisarai	PHC	4	
	Manendragarh	CHC	156	18
	Mansukh	PHC	4	
	Nagpur	PHC	8	
	Patna	PHC	43	
	Ramgarh	PHC	6	
	Salka(Khadgawan)	PHC	20	
	Sonahat	CHC	100	6
	Sonhari	PHC	4	
	Tegni	PHC	5	
<b>Total</b>			<b>1069</b>	<b>46</b>
Mahasamund	Bagbahara	CHC	312	
	Baloda (Saraipali)	PHC	15	
	Baroli	PHC	6	
	Basna	CHC	308	10
	Bhitideah	PHC	1	
	Bhurkoni	PHC	29	
	Birkoni	PHC	6	
	Chanat	PHC	6	
	CS office	PHC	286	10
	DHQ Mahasamund	DHQ	24	
	Jhalap	PHC	60	5
	Jhara	PHC	4	
	Khallari	PHC	4	
	Khatti	PHC	4	
	Komakhan	PHC	10	
	Pathsendari	PHC	5	
	Pirda	PHC	16	
	Pithora	CHC	266	6
	Sankara	PHC	16	
	Saraipali	CHC	320	10
Tumgaon	PHC	66	4	

District	Site	Type	Good Condition	Beyond Use
	<b>Total</b>		<b>1764</b>	<b>45</b>
Raigarh	Badebhandar	PHC		
	Bangursiya	PHC		
	Baramkela	PHC	240	20
	Barra	PHC		
	Bhedban	PHC		
	Bijkot	PHC		
	Chal	PHC		
	Chalha	PHC		
	Chapla	CHC	190	
	Dharamjaigarh	CHC	29	5
	DHQ Raigarh	DHQ		
	Dongarpali	PHC		
	Dumarpali	PHC		
	Gharghoda	CHC	160	50
	Godam	PHC		
	Hati	PHC		
	Hirri	PHC		
	Jobi	PHC	33	
	Kankaya	PHC		
	Keya	PHC		
	Khamar	PHC		
	Kharsia	CHC		
	Kodatarai	PHC	9	
	Kosir	PHC	5	
	Kudamkela	PHC		
	Kumarta	PHC		
	Lailunga	CHC	236	10
	Lamdad	PHC		
	Laripani	PHC		
	Libra	PHC		
	Loing	PHC	155	25
	Midmida	PHC		
	Mugdega	PHC		
	Nandeli	PHC	24	
	Navrangpur	PHC		
	Nukdega	PHC		
	Pussor	CHC	217	40
	Putkapuri	PHC		
	Rajpur (Lailunga)	PHC		
	Saranggarh	PHC	396	5
Sariya	PHC			
Sariya lengha	PHC	46		
Sarwani	PHC			
Sisinga	PHC			
Tamnar	CHC	105	20	
Tendanawapara	PHC			
Turekela	PHC			
UFWC (HQ) Raigarh	PHC	137		
Urba	PHC			
Vijayanagar	PHC	215	10	

District	Site	Type	Good Condition	Beyond Use
	Vijayanagar (Kapu)	CHC	32	
	<b>Total</b>		<b>2229</b>	<b>185</b>
Raipur	Abhanpur	CHC	130	5
	Amasini	PHC		
	Amlimandar	PHC	22	
	Arang	CHC	160	16
	Baloudabajar (Lavan)	CHC		
	Barpali	PHC		
	Bhansoj	PHC	21	
	Bhatagaon	PHC		
	Bhatapara	CHC	150	10
	Bhatgaon (Bhilaigarh)	PHC		
	Bilaigarh	CHC	223	
	Boriyakalan	PHC		
	Champanan	PHC	29	
	Chandkhuri farm	PHC	6	
	Chhura	CHC	170	30
	CS Raipur	CS		
	Deobhog	CHC	94	10
	Dharsiwa	CHC	230	20
	Dr. Ambedkar Hospital	PHC		
	Gariyaband	CHC	160	10
	Gidhpuri	PHC		
	Hathband	PHC	19	
	Jhakarpara	PHC		
	Jhangaon	PHC		
	Kasdol	CHC	155	12
	Katangi	PHC		
	Kharora	PHC	24	5
	Khilora	PHC	6	
	Kondkera	PHC		
	Kopra	PHC	7	
	Kosmandi	PHC		
	Kurud Kutela	PHC		
	Lakhanpur (Palari)	PHC		
	Lavan	PHC	160	16
	Mainpur	CHC	190	
	Mandhar	PHC	15	
	Mandir Hasid	PHC	25	5
	Mopar	PHC		
	Nawapara	PHC	18	
	Nipniya	PHC	8	
Palari	CHC	140	6	
Panduka	PHC	35		
Patsivni	PHC			
Pharphoud	PHC	22		
Phingeshwar	CHC	100	20	
Piprachedi	PHC	40		
Raja devri	PHC			
Rajim	PHC	14		
Rasla	PHC			

District	Site	Type	Good Condition	Beyond Use
	Risda	PHC		
	Rohansi	PHC		
	Sarsiwa	PHC	50	
	Silyari	PHC		
	Simga	CHC	146	
	Sonakhan	PHC		
	Suhela	PHC		
	Tilda	CHC	101	
	Torla	PHC		
	Udan	PHC		
	UFWC Kalibadi	PHC	10	
	Urmal	PHC	12	
	<b>Total</b>			<b>2692</b>
Rajnandgaon	Aasara	PHC	5	
	Ambagarh Chowki	CHC	70	10
	Badgaon (Dongargaon)	PHC	8	
	Basadi	PHC	12	3
	Bharitola	PHC	16	5
	Chilhati	PHC	20	2
	Chuikhadan	CHC	205	25
	Churiya	CHC	93	50
	Dangarh	PHC	16	2
	DHQ Rajnandgaon	DHQ	28	
	Dongargaon	CHC	123	20
	Dongargarh	CHC	183	22
	Dugrideahkala	PHC	6	
	Ganadhatola	PHC	6	
	Gandai	PHC	32	2
	Ghumka	CHC	129	10
	Gotatola	PHC	28	2
	Jalabandha	PHC	10	
	Khadgaon	PHC	25	3
	Khairagarh	CHC	244	
	Kodikasan	PHC	9	
	Kumardha	PHC	30	5
	Lalbahadurnagar	PHC	14	1
	Manpur	CHC	150	20
	Mohla	CHC	121	25
	Mohra	PHC	6	
	Murmunda	PHC	6	
	Ondhi	PHC	20	3
	Ramatola	PHC	10	
	Rangkatara	PHC	2	
	Salehvara	PHC	25	
	Somni	PHC	24	
	Surgi	PHC	6	
	Tappa	PHC	4	
Udaipur	PHC	6		
UFHS	PHC	103	10	
Umarwahi	PHC	30	4	



District	Site	Type	Good Condition	Beyond Use
	<b>Total</b>		<b>1825</b>	<b>224</b>
Sarguja	Aara (Rajpur)	PHC	6	
	Ajabnagar	PHC	6	
	Bafoli	PHC		
	Balrampur	CHC	20	82
	Bandana	PHC	10	
	Bargideh	PHC	5	
	Bariyo	PHC	21	2
	Barkela	PHC		
	Bartikalan	PHC	5	
	Basdei	PHC	6	
	Bataikela (Batoli)	PHC	6	
	Batoli	CHC	75	10
	Batra	PHC	8	
	Bhatgaon (Bhayadhan)	PHC	6	
	Bhayadhan	CHC	136	5
	Biharpur Chandni	PHC	8	
	Bishrampur (Surajpur)	PHC	8	
	Chalgali	PHC	10	1
	Chandarpur	PHC	6	
	Chando	PHC		
	Chandrameda	PHC	6	
	Darima	PHC	51	4
	Depadeah	PHC	7	
	Devnagar	PHC	6	
	Dharampur	PHC	9	
	Dhodhagaon	PHC	6	
	Dhourpur	CHC		
	DHQ Sarguja	DHQ		
	Dumardeh	PHC	6	
	Dumarkhola	PHC	6	
	Ganeshpur	PHC	12	
	Ghutarapara	PHC	6	
	Gopalpur	PHC	6	
	Gorpani	PHC	6	
	Gumgara	PHC	7	
	Guruma	PHC	6	
	Jamwantpur (aaragahi)	PHC	7	
	Jawaharnagar	PHC	6	
	Kamalpur	PHC	6	
	Kamari	PHC	6	
Kamleshwarpur	PHC	54	10	
Kandarai	PHC	5		
Karsi	PHC	1		
Kedma	PHC	6		
Ketaka	PHC	4		
Kusmi	CHC	100	8	
Lakhanpur	CHC	107	25	
Lanjit	PHC	8		
Lehpatra	PHC	6		
Lundra	PHC	9		

District	Site	Type	Good Condition	Beyond Use
	Maharajganj	PHC	6	
	Narbadapur	PHC	83	10
	Nawanagar	PHC	7	
	Odgi	CHC	128	
	Pampapur	PHC		
	Pasta	PHC	6	
	Patora	PHC	6	
	Pratapur	CHC	107	15
	Premnagar	CHC	45	10
	Raghunath nagar	PHC	6	
	Raghunathpur	PHC	4	
	Rajpur	CHC	76	5
	Ramanujganj	CHC	150	12
	Ramanujnagar	CHC	115	15
	Ramchandrapur	PHC	5	
	Ramkola	PHC		
	Revati	PHC	7	
	Revatpur	PHC	6	
	Salka (Aghina)	PHC	6	
	Salka(Udaypur)	PHC	4	
	Samri	PHC	5	
	Sanawal	PHC	4	
	Shankargarh	CHC	90	10
	Silota	PHC	2	
	Sitapur	CHC	92	3
	Sonagara	PHC	7	
	Sonpur	PHC	5	
	Sukheri	PHC	6	
	Surajpur	CHC	155	20
	Tatijhariya	PHC		
	Udaypur	CHC	93	10
	Umreshravpur	PHC	6	
	Wadarfarnagar	CHC	45	35
	<b>Total</b>		<b>2084</b>	<b>292</b>
<b>Grand Total</b>			<b>27074</b>	<b>2557</b>

**APPENDIX O**

**DETAILED LIST OF ICE-PACK INVENTORY IN THE STATE**

## DETAILED LIST OF ICE-PACK INVENTORY IN THE STATE

District	Site	Type	Functional	Non Functional
Bastar	Aadawal	PHC		
	Abujhamand (Orchha)	CHC	285	5
	Anantpur	PHC		10
	Badedongar	PHC	180	20
	Badekilepal	CHC	430	20
	Baderajpur	PHC	16	
	Bahigaon	PHC	244	6
	Bakawand	CHC	250	100
	Banoon	PHC		
	Banskot	PHC		
	Bastar	CHC	1000	120
	Benur	PHC	106	
	Bhanpuri	PHC	30	5
	Bishrampuri	CHC	450	50
	Chandragiri	PHC	52	
	Chaparbhanpuri	PHC	140	10
	Chipawand	PHC		
	Chotedongar	PHC	155	5
	Darbha	CHC	300	
	Dhanora (Keskal)	PHC	165	35
	Dhanora (Narayanpur)	PHC	48	
	DHQ Jagdalpur	DHQ		
	Gundagaon	PHC	35	5
	Kachnar	PHC	70	
	Kalepal	PHC		
	Kesarpal	PHC	48	
	Keshkal	CHC		
	Kohkameta	PHC	100	
	Kondagaon	CHC	1485	60
	Kumrahwand	PHC		
	Lohandiguda	CHC	500	141
	Makdi	CHC	700	50
	Mardapal	PHC	73	
	Mardoom	PHC	50	10
	Nagarnar	PHC		
	Nangur	PHC	700	
	Narainpur	CHC	988	20
	Neganar	PHC	65	
	Pharasgaon	CHC	700	125
	Sampur	PHC	10	
	Siganpur	PHC	12	
Titargaon	PHC	40		
Tokapal	CHC	350	50	
	<b>Total</b>		<b>9777</b>	<b>847</b>
Bilaspur	Bilha	CHC	150	100
	Chakarbhata	PHC	300	10
	CIMS Medical college	CHC		
	Civil Hospital (Bilha)	CHC	272	
	Dashrangpur	PHC		

District	Site	Type	Functional	Non Functional
	DHQ Bilaspur	DHQ	1200	
	Ganiyari	PHC	80	80
	Gorella (1)	CHC	1100	300
	Kota	CHC	678	
	Loremi	CHC	800	300
	Marwahi	CHC	500	
	Mastori	CHC	144	
	Mungeli	CHC	1100	140
	Pathria	PHC	130	70
	Pendra	PHC	380	20
	Ratanpur	PHC		
	Sakari	PHC		
	Salhegori	PHC		
	Saragaon	PHC	350	
	Sepat	PHC	196	20
	Takhatpur	CHC	700	70
	<b>Total</b>			<b>8080</b>
Dantewada	Arahanpur	PHC	8	
	Badebacheli	PHC		
	Badegudra	PHC		
	Badetumnar	PHC	125	15
	Barsur	PHC	90	10
	Basagunda	PHC	150	
	Bhairamgarh	CHC	550	50
	Bhopalpatnam	CHC	400	20
	Bhusaras	PHC	12	
	Bijapur	CHC	570	30
	Burdi	PHC		
	Chhindgarh	CHC	600	50
	Dantewada	CHC	600	100
	DHQ Dantewada	DHQ		
	Dornapal	PHC	120	20
	Gadiras	PHC	198	2
	Geedam	CHC	350	50
	Goreli	PHC	25	
	Ilmidi	PHC	170	
	Jagargunda	PHC		
	Katekalyan	CHC	400	50
	Kerlapal	PHC	110	10
	Kirandul	PHC	140	10
	Konta	CHC	500	35
	Kuwakonda	CHC	550	50
	Madderh	PHC	50	
	Metapal	PHC	8	
	Palanar	PHC	32	3
	Pamed	PHC	50	
	Pharaspal	PHC	30	
Podung	PHC	8		
Potali	PHC	8		
Pusgudi	PHC			
Puspal	PHC	105	20	

District	Site	Type	Functional	Non Functional
	Sameli	PHC	40	10
	Sukma	CHC	700	50
	Surnar	PHC	4	
	Tarlagunda	PHC		
	Tompal	PHC	180	20
	Usur	CHC	550	50
	<b>Total</b>		<b>7433</b>	<b>655</b>
Dhamtari	Badikerali	PHC	250	
	Belergaon	PHC	175	5
	Bhatgaon (Dhamtari)	PHC		
	Dhamtari (Gujra)	CHC	575	25
	DHQ Dhamtari	DHQ		25
	Dugli	PHC	285	15
	Gattasilli	PHC	4	
	Jijamgaon	PHC	75	5
	Kandel	PHC	24	
	Keregaon	PHC	140	20
	Kurud	CHC	1364	200
	Magarlod	CHC	645	100
	Nagari (Sihava)	CHC	690	6
	Sihava	PHC	132	
	Sirri	PHC	28	
<b>Total</b>		<b>4387</b>	<b>401</b>	
Durg	Ahiwara	PHC	120	20
	Amadula	PHC	12	
	Arjunda	CHC	325	25
	Balod	CHC	760	40
	Bemetara	PHC	965	35
	Berla	CHC	630	30
	Bhilai 3	PHC	400	50
	Bhilai sector 8	PHC	250	150
	Chandanu	PHC	32	
	Chhirha	PHC	8	
	Chikhalakasa	PHC	365	15
	Dadhi	PHC	345	5
	Dargaon	PHC	165	6
	Dhamdha	CHC	270	30
	DHQ Durg	DHQ		
	Dondi	CHC	700	200
	Dondi Lohara	CHC	750	150
	Durg OPD	PHC	20	
	Gadadih	PHC	235	15
	Ghotiya	PHC	36	
	Gujra	PHC	400	100
	Gunderdehi	CHC	450	70
	Gundheli	PHC	20	275
	Gurur	CHC	30	470
	Hanoda	PHC	100	
	Jheet	PHC	225	15
	J-Sankara	PHC		
Kalangpur	PHC	225	25	

District	Site	Type	Functional	Non Functional
	Khandsara	CHC	200	
	Khursipar	PHC	150	25
	Khursul	PHC		
	Litiya (Bori)	PHC	304	40
	Mahud	PHC	380	20
	Mangchua	PHC	274	26
	Maro	PHC	150	
	Murmunda (Dhamdha)	PHC	170	10
	Nagpura	PHC		
	Nahanda	PHC	149	1
	Nandghat	PHC	4	
	Nankatti	PHC	205	12
	Nawagarh	CHC	1675	25
	Nikum	CHC	240	
	Palari (Gurur)	PHC	150	
	Patan	CHC	400	100
	Pendrawan	PHC	235	15
	Perpodi	PHC	190	10
	Pipechedi	PHC		
	Purur	PHC	235	15
	Ranchirai	PHC	100	
	Ranitarai	PHC	238	12
	Rasmadah	PHC	280	20
	Saja	CHC	835	400
	Sambelpur	PHC	420	10
	Sanjari	PHC	36	
	Sirsida	PHC	125	
	Supela	PHC	600	260
	Surdongar	PHC	32	
	Surdung	PHC	175	5
	Suregaon	PHC	135	15
	Temari	PHC	290	10
	Than Khamhariya	PHC	275	7
UFW Centre Durg	PHC	560	40	
Utai	CHC	150	10	
	<b>Total</b>		<b>17200</b>	<b>2814</b>
Janjgir	Akaltara	CHC	100	355
	Baloda	CHC	350	38
	Bamhnidih	CHC		
	Champa Civil dispensory	PHC		
	Chandrapur	PHC	80	
	Dabhara	CHC	300	
	DHQ Janjgir	DHQ		
	Jaijaipur	CHC	370	30
	Janjgir (Nawagarh)	CHC	750	82
	Malkharoda	CHC		
	Pamgarh	CHC	830	227
	Shivrinarayan	PHC		
	<b>Total</b>		<b>2780</b>	<b>732</b>
Jashupur	Aara (Jashpunagar)	PHC		

District	Site	Type	Functional	Non Functional
	Aasta	PHC		
	Baghbahra	PHC		
	Bagicha	CHC	420	
	Bataikela	PHC		
	Bhagora	PHC		
	Champa	PHC		
	Chichli	PHC		
	Cohan	PHC	1030	50
	DHQ Jashpur	DHQ	450	50
	Dokada	PHC		
	Duldula	CHC	720	40
	Goriya	PHC		
	Kalega	PHC		
	Kansabel	CHC	400	100
	Kastura	PHC		
	Keradih	PHC		
	Kerarai	PHC		
	Kilkila	PHC		
	Kotaba	PHC	20	
	Kukargaon	PHC		
	Kunkuari	CHC	1850	150
	Kurog	PHC		
	Laudang	PHC		
	Manora	CHC	550	50
	Menhi	PHC		
	Narayanpur	PHC		
	Palidih	PHC		
	Parsabahar	CHC	1750	250
	Pathalgaon	CHC	1200	300
	Peku	PHC		
	Pendrapath	PHC		
	Ranpur	PHC		
	Sanna	PHC	400	50
	Shekharpur	PHC		
	Son Bayari	PHC		
	Tamta	PHC		
	Tapkara	PHC	110	
	<b>Total</b>		<b>8900</b>	<b>1040</b>
Kanker	Amoda	PHC	200	25
	Antagarh	CHC	1450	50
	Badgaon (Koyelobeda)	PHC		
	Bande	PHC	450	50
	Bhanbeda	PHC		
	Bhanupratapur	CHC	650	
	charama	CHC	650	50
	Civil Hospital (Kanker)	PHC	190	10
	Damkasa	PHC	125	25
	DhaneliKanhar	PHC	475	25
	DHQ Kanker	DHQ	200	
	Durgu kondal	CHC	650	50
	Halba	PHC	80	20



District	Site	Type	Functional	Non Functional
	Haradula	PHC		
	Kapsi	PHC	775	25
	Korar	PHC	125	25
	kottara	PHC		
	Koyali beda	CHC	430	20
	Lakhanpuri	PHC	10	
	Pathanjoor	PHC	50	
	Pedapal	PHC	25	5
	Sarona	PHC	280	20
	Sarona (Narharpurn)	CHC	465	35
	Tadoki	PHC	10	
	<b>Total</b>			<b>7290</b>
Kavarda	Bhibori	PHC	24	
	Bodla	CHC	1168	40
	Chirpani	PHC	16	
	Damapur	PHC	4	
	DHQ Kawardha	DHQ	820	80
	Kawarda	CHC	1160	40
	Kishangarh	PHC	6	
	Kukudar	PHC	185	15
	Kunda	PHC	330	
	Panda tarai	PHC	8	
	Pandariya	CHC	1200	100
	Pipariya	PHC	60	
	Rengakhar	PHC	50	
	Sahaspur lohara	CHC	600	
	Taregaon	PHC	48	
<b>Total</b>			<b>5679</b>	<b>275</b>
Korba	Ajgar Bahar	PHC		
	Bhaisma	PHC		
	Chiknipali	PHC		
	DHQ Korba	DHQ		
	Farsawani	PHC		
	Hardibazar	PHC	96	
	Jataga	PHC		
	Kartala	CHC		
	Katghora	CHC	1300	90
	Kerakchar	PHC		
	Korba	CHC		
	Korgoma	PHC		
	Kothari	PHC		
	Kudumura	PHC		
	Lafa	PHC		
	Lemaru	PHC		
	Mahora	PHC		
	Mongra	PHC		
	Morga	PHC		
	Pali	CHC	1700	315
	Pasan	PHC	180	
Podi Uproda	CHC	1200	85	
Rampur	PHC			

District	Site	Type	Functional	Non Functional
	Saragbudhiya	PHC		
	Shayang	PHC		
	Tilkeja	PHC		
	Tuman	PHC		
	<b>Total</b>		<b>4476</b>	<b>490</b>
Korea	Bachrapodi	PHC	60	5
	Badesalhi	PHC	24	
	Belbehra	PHC	20	
	Bharatpur	PHC	20	
	Bharatpur (Janakpur)	CHC	1050	50
	Buhar	PHC	28	
	Chirmiri	PHC	472	30
	DHQ Baikunthpur	DHQ	600	200
	Katgodi	PHC	20	
	Kelhari	PHC	30	
	Khadgawan	CHC	520	80
	Kotadol	PHC	28	
	Kuwarpur	PHC	24	
	Madisarai	PHC	16	
	Manendragarh	CHC	1100	160
	Mansukh	PHC	16	
	Nagpur	PHC	30	
	Patna	PHC	280	20
	Ramgarh	PHC	24	
	Salka(Khadgawan)	PHC	102	8
	Sonahat	CHC	520	40
	Sonhari	PHC	16	
	Tegni	PHC	20	
<b>Total</b>		<b>5020</b>	<b>593</b>	
Mahasamund	Bagbahara	CHC	1720	200
	Baloda (Saraipali)	PHC	140	10
	Baroli	PHC	24	
	Basna	CHC	1975	25
	Bhitideah	PHC	4	
	Bhurkoni	PHC	150	
	Birkoni	PHC	24	
	Chanat	PHC	24	
	CS office	PHC	936	400
	DHQ Mahasamund	DHQ	950	50
	Jhalap	PHC	330	10
	Jhara	PHC	16	
	Khallari	PHC	16	
	Khatti	PHC	16	
	Komakhan	PHC	80	10
	Pathsendari	PHC	20	
	Pirda	PHC	95	5
	Pithora	CHC	2690	150
	Sankara	PHC	90	4
	Saraipali	CHC	1834	100
Tumgaon	PHC	300		
<b>Total</b>		<b>11434</b>	<b>964</b>	

District	Site	Type	Functional	Non Functional
Raigarh	Badebhandar	PHC		
	Bangursiya	PHC		
	Baramkela	PHC	675	
	Barra	PHC		
	Bhedban	PHC		
	Bijkot	PHC		
	Chal	PHC		
	Chalha	PHC		
	Chapla	CHC	1496	
	Dharamjaigarh	CHC	200	
	DHQ Raigarh	DHQ		
	Dongarpali	PHC		
	Dumarpali	PHC		
	Gharghoda	CHC	554	200
	Godam	PHC		
	Hati	PHC		
	Hirri	PHC		
	Jobi	PHC	133	
	Kankaya	PHC		
	Keya	PHC		
	Khamar	PHC		
	Kharsia	CHC		
	Kodatarai	PHC	100	
	Kosir	PHC	20	
	Kudamkela	PHC		
	Kumarta	PHC		
	Lailunga	CHC	1266	2
	Lamdad	PHC		
	Laripani	PHC		
	Libra	PHC		
	Loing	PHC	1073	30
	Midmida	PHC		
	Mugdega	PHC		
	Nandeli	PHC	120	
	Navrangpur	PHC		
	Nukdega	PHC		
	Pussor	CHC		
	Putkapuri	PHC		
	Rajpur (Lailunga)	PHC		
	Saranggarh	PHC	2500	100
Sariya	PHC			
Sariya lengha	PHC	200	25	
Sarwani	PHC			
Sisinga	PHC			
Tamnar	CHC	500		
Tendanawapara	PHC			
Turekela	PHC			
UFWC (HQ) Raigarh	PHC	573		
Urba	PHC			
Vijayanagar	PHC	1060	40	
Vijayanagar (Kapu)	CHC	118	10	

District	Site	Type	Functional	Non Functional
	<b>Total</b>		<b>10588</b>	<b>407</b>
Raipur	Abhanpur	CHC	430	80
	Amasini	PHC		
	Amlimandar	PHC	160	
	Arang	CHC	725	25
	Baloudabajar (Lavan)	CHC	280	20
	Barpali	PHC		
	Bhansoj	PHC		
	Bhatagaon	PHC		
	Bhatapara	CHC	880	20
	Bhatgaon (Bhilaigarh)	PHC		
	Bilaigarh	CHC	1300	60
	Boriyakalan	PHC		
	Champaran	PHC	138	12
	Chandkhuri farm	PHC		30
	Chhura	CHC	700	100
	CS Raipur	CS		
	Deobhog	CHC	325	50
	Dharsiwa	CHC	800	500
	Dr. Ambedkar Hospital	PHC	60	
	Gariyaband	CHC	625	25
	Gidhpuri	PHC		
	Hathband	PHC	94	
	Jhakarpara	PHC		
	Jhangaon	PHC		
	Kasdol	CHC	1300	
	Katangi	PHC		
	Kharora	PHC	200	20
	Khilora	PHC	24	
	Kondkera	PHC		
	Kopra	PHC	105	
	Kosmandi	PHC		
	Kurud Kutela	PHC		
	Lakhanpur (Palari)	PHC		
	Lavan	PHC	510	60
	Mainpur	CHC	540	
	Mandhar	PHC	105	
	Mandir Hasid	PHC	120	30
	Mopar	PHC		
	Nawapara	PHC	150	30
	Nipniya	PHC	80	
Palari	CHC	500		
Panduka	PHC	180		
Patsivni	PHC			
Pharphoud	PHC	90		
Phingeshwar	CHC	700	100	
Piprachedi	PHC	145		
Raja devri	PHC			
Rajim	PHC	45		
Rasla	PHC			
Risda	PHC			

District	Site	Type	Functional	Non Functional
	Rohansi	PHC		
	Sarsiwa	PHC	360	
	Silyari	PHC	90	
	Simga	CHC	850	150
	Sonakhan	PHC		
	Suhela	PHC		
	Tilda	CHC	500	50
	Torla	PHC		
	Udan	PHC		
	UFWC Kalibadi	PHC	30	
	Urmal	PHC	82	
	<b>Total</b>		<b>13223</b>	<b>1362</b>
Rajnandgaon	Aasara	PHC	20	
	Ambagarh Chowki	CHC	440	60
	Badgaon (Dongargaon)	PHC	32	
	Basadi	PHC	75	25
	Bharitola	PHC	80	20
	Chilhathi	PHC	164	12
	Chuikhadan	CHC	954	106
	Churiya	CHC	650	50
	Dangarh	PHC	110	10
	DHQ Rajnandgaon	DHQ	60	35
	Dongargaon	CHC	616	100
	Dongargarh	CHC	472	30
	Dugrideahkala	PHC	24	
	Ganadhatola	PHC	50	
	Gandai	PHC	129	10
	Ghumka	CHC	840	22
	Gotatola	PHC	85	15
	Jalabandha	PHC	50	
	Khadgaon	PHC	150	30
	Khairagarh	CHC	860	40
	Kodikasan	PHC	36	
	Kumardha	PHC	140	
	Lalbahadurnagar	PHC	130	2
	Manpur	CHC	250	50
	Mohla	CHC	150	50
	Mohra	PHC	170	
	Murmunda	PHC	120	30
	Ondhi	PHC	90	10
	Ramatola	PHC	100	
	Rangkatara	PHC	8	
	Salehvara	PHC	156	10
	Somni	PHC	55	5
	Surgi	PHC	24	
	Tappa	PHC	20	
Udaipur	PHC	24		
UFHS	PHC	500	100	
Umarwahi	PHC	140	10	
<b>Total</b>		<b>7974</b>	<b>832</b>	

District	Site	Type	Functional	Non Functional
Sarguja	Aara (Rajpur)	PHC	24	
	Ajabnagar	PHC	24	
	Bafoli	PHC		
	Balrampur	CHC		
	Bandana	PHC	16	
	Bargideh	PHC	20	
	Bariyo	PHC		
	Barkela	PHC		
	Bartikalan	PHC	20	
	Basdei	PHC	24	
	Bataikela (Batoli)	PHC	24	
	Batoli	CHC	275	75
	Batra	PHC	32	
	Bhatgaon (Bhayadhan)	PHC	24	
	Bhayadhan	CHC	425	
	Biharpur Chandni	PHC	32	
	Bishrampur (Surajpur)	PHC		
	Chalgali	PHC	40	4
	Chandarpur	PHC	24	
	Chando	PHC		
	Chandrameda	PHC	24	
	Darima	PHC	200	40
	Depadeah	PHC	28	
	Devnagar	PHC	34	
	Dharampur	PHC	36	
	Dhodhagaon	PHC	4	20
	Dhourpur	CHC	320	30
	DHQ Sarguja	DHQ	700	100
	Dumardeh	PHC	24	
	Dumarkhola	PHC	24	
	Ganeshpur	PHC	48	
	Ghutarapara	PHC	24	
	Gopalpur	PHC	24	
	Gorpani	PHC	24	
	Gumgara	PHC		
	Guturma	PHC	24	
	Jamwantpur (aaragahi)	PHC	28	
	Jawaharnagar	PHC	24	
	Kamalpur	PHC	24	
	Kamari	PHC	24	
	Kamleshwarpur	PHC		
	Kandarai	PHC	20	
Karsi	PHC	4		
Kedma	PHC	40	10	
Ketaka	PHC	16		
Kusmi	CHC	620	30	
Lakhanpur	CHC	560	60	
Lanjit	PHC	32		
Lehpatra	PHC	70		
Lundra	PHC	36		
Maharajganj	PHC	24		

District	Site	Type	Functional	Non Functional
	Narbadapur	PHC	380	30
	Nawanagar	PHC	28	
	Odgi	CHC	735	
	Pampapur	PHC		
	Pasta	PHC	24	
	Patora	PHC	24	
	Pratapur	CHC	600	50
	Premnagar	CHC	265	15
	Raghunath nagar	PHC	24	
	Raghunathpur	PHC	20	
	Rajpur	CHC	500	25
	Ramanujganj	CHC	1350	100
	Ramanujnagar	CHC	510	50
	Ramchandrapur	PHC	20	
	Ramkola	PHC	36	
	Revati	PHC	28	
	Revatpur	PHC	24	
	Salka (Aghina)	PHC	24	
	Salka(Udaypur)	PHC	16	
	Samri	PHC	20	
	Sanawal	PHC	24	
	Shankargarh	CHC	530	80
	Silota	PHC		
	Sitapur	CHC	500	40
	Sonagara	PHC	28	
	Sonpur	PHC	20	
	Sukheri	PHC	24	
	Surajpur	CHC	800	70
	Tatijhariya	PHC		
	Udaypur	CHC	160	30
	Umreshravpur	PHC	24	
	Wadarfarnagar	CHC	410	115
	<b>Total</b>		<b>11212</b>	<b>974</b>
<b>Grand Total</b>			<b>135453</b>	<b>13931</b>

## Appendix P

Power supply situation and power backup status



District	Site	Type	Power Supply Situation	Genset Available	Genset Operational	Genset Required
Bastar	DHQ Jagdalpur	DHQ	Good Power supply	Yes	Yes	No
	Abujhamand (Orchha)	CHC	Good Power supply	No	No	Yes
	Badekilepal	CHC	Adequate Power Supply	No	No	Yes
	Bakawand	CHC	Adequate Power Supply	No	No	Yes
	Bastar	CHC	Good Power supply	No	No	Yes
	Bishrampuri	CHC	Adequate Power Supply	No	No	Yes
	Darbha	CHC	Adequate Power Supply	No	No	Yes
	Keshkal	CHC	Good Power supply	No	No	Yes
	Kondagaon	CHC	Adequate Power Supply	No	No	Yes
	Lohandiguda	CHC	Good Power supply	No	No	Yes
	Makdi	CHC	Poor power supply	No	No	Yes
	Narainpur	CHC	Good Power supply	No	No	Yes
	Pharasgaon	CHC	Adequate Power Supply	No	No	Yes
	Tokapal	CHC	Adequate Power Supply	No	No	Yes
	Aadawal	PHC	Poor Power supply	No	No	Yes
	Anantpur	PHC	Poor power supply	No	No	Yes
	Badedongar	PHC	Poor power supply	No	No	Yes
	Baderajpur	PHC	Adequate Power Supply	No	No	Yes
	Bahigaon	PHC	Good Power supply	No	No	Yes
	Banoon	PHC	No information Available	Yes	Yes	No
	Banskot	PHC	Adequate Power Supply	No	No	Yes
	Benur	PHC	Good Power supply	No	No	Yes
	Bhanpuri	PHC	Good Power supply	No	No	Yes
	Chandragiri	PHC	Adequate Power Supply	No	No	Yes
	Chaparbharpuri	PHC	Poor Power supply	No	No	Yes
	Chipawand	PHC	Adequate Power Supply	No	No	Yes
	Chotedongar	PHC	Good Power supply	No	No	Yes
	Dhanora (Keskhal)	PHC	Poor power supply	No	No	Yes
	Dhanora (Narayanpur)	PHC	No information Available	Yes	Yes	No
	Gundagaon	PHC	Good Power supply	No	No	Yes
	Kachnar	PHC	Adequate Power Supply	No	No	Yes
	Kalepal	PHC	No information Available	Yes	Yes	No
	Kesarpal	PHC	Adequate Power Supply	No	No	Yes
Kohkameta	PHC	Good Power supply	No	No	Yes	
Kumrahwand	PHC	Good Power supply	No	No	Yes	
Mardapal	PHC	Poor power supply	No	No	Yes	
Mardoom	PHC	Poor Power supply	No	No	Yes	
Nagarnar	PHC	Poor Power supply	No	No	Yes	
Nangur	PHC	Poor Power supply	No	No	Yes	
Neganar	PHC	Adequate Power Supply	No	No	Yes	
Sampur	PHC	Adequate Power Supply	No	No	Yes	
Siganpur	PHC	Good Power supply	No	No	Yes	
Titargaon	PHC	Poor Power supply	No	No	Yes	
Bilaspur	DHQ Bilaspur	DHQ	Good Power supply	No	No	Yes
	Bilha	CHC	No information Available	No	No	Yes
	CIMS Medical college	CHC	Adequate Power Supply	No	No	Yes
	Civil Hospital (Bilha)	CHC	Adequate Power Supply	No	No	Yes
	Gorella (1)	CHC	Adequate Power Supply	No	No	Yes
	Kota	CHC	Adequate Power Supply	No	No	Yes

District	Site	Type	Power Supply Situation	Genset Available	Genset Operational	Genset Required
	Loremi	CHC	Adequate Power Supply	No	No	Yes
	Marwahi	CHC	Adequate Power Supply	No	No	Yes
	Mastori	CHC	Adequate Power Supply	No	No	Yes
	Mungeli	CHC	Adequate Power Supply	No	No	Yes
	Takhatpur	CHC	Poor power supply	No	No	Yes
	Chakarbhata	PHC	No information Available	No	No	Yes
	Dashrangpur	PHC	Adequate Power Supply	No	No	Yes
	Ganiyari	PHC	Adequate Power Supply	No	No	Yes
	Pathria	PHC	Adequate Power Supply	No	No	Yes
	Pendra	PHC	Adequate Power Supply	No	No	Yes
	Ratanpur	PHC	Adequate Power Supply	No	No	Yes
	Sakari	PHC	Adequate Power Supply	No	No	Yes
	Salhegori	PHC	No information Available	Yes	Yes	No
	Saragaon	PHC	Adequate Power Supply	No	No	Yes
	Sepat	PHC	Adequate Power Supply	No	No	Yes
Dantewada	DHQ Dantewada	DHQ	Good Power supply	Yes	Yes	No
	Bhairamgarh	CHC	Adequate Power Supply	No	No	Yes
	Bhopalpatnam	CHC	Poor power supply	No	No	Yes
	Bijapur	CHC	Poor power supply	No	No	Yes
	Chhindgarh	CHC	No information Available	No	No	Yes
	Dantewada	CHC	Good Power supply	No	No	Yes
	Geedam	CHC	Good Power supply	No	No	Yes
	Katekalyan	CHC	Adequate Power Supply	No	No	Yes
	Konta	CHC	Poor power supply	No	No	Yes
	Kuwakonda	CHC	Adequate Power Supply	No	No	Yes
	Sukma	CHC	Adequate Power Supply	No	No	Yes
	Usur	CHC	Poor power supply	No	No	Yes
	Arahampur	PHC	Good Power supply	No	No	Yes
	Badebacheli	PHC	Adequate Power Supply	No	No	Yes
	Badegudra	PHC	No information Available	Yes	Yes	No
	Badetumnar	PHC	Good Power supply	No	No	Yes
	Barsur	PHC	Adequate Power Supply	No	No	Yes
	Basagunda	PHC	Poor power supply	No	No	Yes
	Bhusaras	PHC	No Power supply	Yes	Yes	No
	Burdi	PHC	Poor power supply	No	No	Yes
	Dornapal	PHC	Poor power supply	No	No	Yes
	Gadiras	PHC	Adequate Power Supply	No	No	Yes
	Goreli	PHC	Poor power supply	No	No	Yes
	Ilmidi	PHC	Poor power supply	No	No	Yes
	Jagargunda	PHC	Poor power supply	No	No	Yes
	Kerlapal	PHC	Adequate Power Supply	No	No	Yes
	Kirandul	PHC	Good Power supply	No	No	Yes
	Madderh	PHC	Poor power supply	No	No	Yes
	Metapal	PHC	Adequate Power Supply	No	No	Yes
	Palanar	PHC	Adequate Power Supply	No	No	Yes
Pamed	PHC	No Power supply	Yes	Yes	No	
Pharaspal	PHC	No Power supply	Yes	Yes	No	
Podung	PHC	Adequate Power Supply	No	No	Yes	
Potali	PHC	No information Available	Yes	Yes	No	
Pusgudi	PHC	Poor power supply	No	No	Yes	

District	Site	Type	Power Supply Situation	Genset Available	Genset Operational	Genset Required
	Puspal	PHC	Adequate Power Supply	No	No	Yes
	Sameli	PHC	Adequate Power Supply	No	No	Yes
	Surnar	PHC	No Power supply	Yes	Yes	No
	Tarlagunda	PHC	Poor power supply	No	No	Yes
	Tompal	PHC	Adequate Power Supply	No	No	Yes
Dhamtari	DHQ Dhamtari	DHQ	Good Power supply	No	No	Yes
	Dhamtari (Gujra)	CHC	Good Power supply	No	No	Yes
	Kurud	CHC	No information Available	No	No	Yes
	Magarlod	CHC	Adequate Power Supply	Yes	No	Yes
	Nagari (Sihava)	CHC	Adequate Power Supply	No	No	Yes
	Badikerali	PHC	Adequate Power Supply	No	No	Yes
	Belergaon	PHC	Adequate Power Supply	No	No	Yes
	Bhatgaon (Dhamtari)	PHC	Poor power supply	No	No	Yes
	Dugli	PHC	Adequate Power Supply	No	No	Yes
	Gattasilli	PHC	No information Available	Yes	Yes	No
	Jijamgaon	PHC	Adequate Power Supply	No	No	Yes
	Kandel	PHC	No information Available	Yes	Yes	No
	Keregaon	PHC	Adequate Power Supply	No	No	Yes
	Sihava	PHC	Adequate Power Supply	No	No	Yes
	Sirri	PHC	No information Available	Yes	Yes	No
Durg	DHQ Durg	DHQ	Good Power supply	Yes	Yes	No
	Arjunda	CHC	Adequate Power Supply	No	No	Yes
	Balod	CHC	Adequate Power Supply	Yes	Yes	No
	Berla	CHC	Poor power supply	No	No	Yes
	Dhamdha	CHC	Adequate Power Supply	No	No	Yes
	Dondi	CHC	Adequate Power Supply	No	No	Yes
	Dondi Lohara	CHC	No information Available	No	No	Yes
	Gunderdehi	CHC	Adequate Power Supply	No	No	Yes
	Gurur	CHC	Adequate Power Supply	No	No	Yes
	Khandsara	CHC	Adequate Power Supply	No	No	Yes
	Nawagarh	CHC	Adequate Power Supply	No	No	Yes
	Nikum	CHC	Adequate Power Supply	No	No	Yes
	Patan	CHC	Good Power supply	No	No	Yes
	Saja	CHC	Adequate Power Supply	No	No	Yes
	Utai	CHC	Good Power supply	No	No	Yes
	Ahiwara	PHC	Adequate Power Supply	No	No	Yes
	Amadula	PHC	No information Available	Yes	Yes	No
	Bemetara	PHC	No information Available	No	No	Yes
	Bhilai 3	PHC	Good Power supply	No	No	Yes
	Bhilai sector 8	PHC	Good Power supply	No	No	Yes
	Chandanu	PHC	No information Available	Yes	Yes	No
	Chhirha	PHC	No information Available	Yes	Yes	No
	Chikhalakasa	PHC	Adequate Power Supply	No	No	Yes
	Dadhi	PHC	Adequate Power Supply	No	No	Yes
	Dargaon	PHC	Adequate Power Supply	No	No	Yes
	Durg OPD	PHC	Good Power supply	No	No	Yes
	Gadadih	PHC	Adequate Power Supply	No	No	Yes
	Ghotiya	PHC	No information Available	Yes	Yes	No
	Gujra	PHC	Poor power supply	No	No	Yes
	Gundheli	PHC	Adequate Power Supply	No	No	Yes

District	Site	Type	Power Supply Situation	Genset Available	Genset Operational	Genset Required
	Hanoda	PHC	Good Power supply	No	No	Yes
	Jheet	PHC	Adequate Power Supply	No	No	Yes
	J-Sankara	PHC	No information Available	No	No	Yes
	Kalangpur	PHC	Adequate Power Supply	No	No	Yes
	Khursipar	PHC	Good Power supply	No	No	Yes
	Khursul	PHC	No information Available	No	No	Yes
	Litiya (Bori)	PHC	Adequate Power Supply	No	No	Yes
	Mahud	PHC	Adequate Power Supply	No	No	Yes
	Mangchua	PHC	Poor power supply	No	No	Yes
	Maro	PHC	Adequate Power Supply	No	No	Yes
	Murmunda (Dhamdha)	PHC	Adequate Power Supply	No	No	Yes
	Nagpura	PHC	No information Available	Yes	Yes	No
	Nahanda	PHC	Adequate Power Supply	No	No	Yes
	Nandghat	PHC	Adequate Power Supply	No	No	Yes
	Nankatti	PHC	Adequate Power Supply	No	No	Yes
	Palari (Gurur)	PHC	Adequate Power Supply	No	No	Yes
	Pendrawan	PHC	Good Power supply	No	No	Yes
	Perpodi	PHC	Good Power supply	No	No	Yes
	Pipechedi	PHC	No information Available	No	No	Yes
	Purur	PHC	Good Power supply	No	No	Yes
	Ranchirai	PHC	Adequate Power Supply	No	No	Yes
	Ranitarai	PHC	No information Available	No	No	Yes
	Rasmadah	PHC	Adequate Power Supply	No	No	Yes
	Sambelpur	PHC	Adequate Power Supply	No	No	Yes
	Sanjari	PHC	No information Available	Yes	Yes	No
	Sirsida	PHC	Adequate Power Supply	No	No	Yes
	Supela	PHC	Adequate Power Supply	No	No	Yes
	Surdongar	PHC	No information Available	Yes	Yes	No
	Surdung	PHC	Adequate Power Supply	No	No	Yes
	Suregaon	PHC	Adequate Power Supply	No	No	Yes
Temari	PHC	Adequate Power Supply	No	No	Yes	
Than Khamhariya	PHC	Adequate Power Supply	No	No	Yes	
UFW Centre Durg	PHC	Good Power supply	No	No	Yes	
Janjgir	DHQ Janjgir	DHQ	Good Power supply	No	No	Yes
	Akaltara	CHC	Good Power supply	No	No	Yes
	Baloda	CHC	Adequate Power Supply	No	No	Yes
	Bamhndih	CHC	Poor power supply	No	No	Yes
	Dabhara	CHC	No information Available	No	No	Yes
	Jaijaipur	CHC	No information Available	No	No	Yes
	Janjgir (Nawagarh)	CHC	No information Available	No	No	Yes
	Malkharoda	CHC	No information Available	No	No	Yes
	Pamgarh	CHC	Adequate Power Supply	No	No	Yes
	Champa Civil dispensary	PHC	No information Available	No	No	Yes
	Chandrapur	PHC	No information Available	No	No	Yes
	Shivrinarayan	PHC	No information Available	Yes	Yes	No
Jashpur	DHQ Jashpur	DHQ	Good Power supply	No	No	Yes
	Bagicha	CHC	Adequate Power Supply	No	No	Yes
	Duldula	CHC	No information Available	No	No	Yes
	Kansabel	CHC	Good Power supply	No	No	Yes
	Kunkuari	CHC	Adequate Power Supply	No	No	Yes

District	Site	Type	Power Supply Situation	Genset Available	Genset Operational	Genset Required
	Manora	CHC	Low Voltage	No	No	Yes
	Parsabahar	CHC	Poor power supply	No	No	Yes
	Pathalgaon	CHC	Adequate Power Supply	No	No	Yes
	Aara (Jashpunagar)	PHC	No information Available	Yes	Yes	No
	Aasta	PHC	Poor power supply	No	No	Yes
	Baghbahra	PHC	No information Available	Yes	Yes	No
	Bataikela	PHC	No information Available	Yes	Yes	No
	Bhagora	PHC	Poor power supply	No	No	Yes
	Champa	PHC	No Power supply	No	No	Yes
	Chichli	PHC	No information Available	Yes	Yes	No
	Cohan	PHC	Adequate Power Supply	No	No	Yes
	Dokada	PHC	No information Available	Yes	Yes	No
	Goriya	PHC	No information Available	Yes	Yes	No
	Kalega	PHC	No Power supply	Yes	Yes	No
	Kastura	PHC	No Power supply	Yes	Yes	No
	Keradih	PHC	No information Available	Yes	Yes	No
	Kerarai	PHC	No information Available	Yes	Yes	No
	Kilkila	PHC	No information Available	Yes	Yes	No
	Kotaba	PHC	Adequate Power Supply	No	No	Yes
	Kukargaon	PHC	No information Available	Yes	Yes	No
	Kurog	PHC	No information Available	Yes	Yes	No
	Laudang	PHC	No information Available	Yes	Yes	No
	Menhi	PHC	No information Available	Yes	Yes	No
	Narayanpur	PHC	No information Available	Yes	Yes	No
	Palidih	PHC	No information Available	Yes	Yes	No
	Peku	PHC	No information Available	Yes	Yes	No
	Pendrapath	PHC	No Power supply	Yes	Yes	No
	Ranpur	PHC	No information Available	Yes	Yes	No
	Sanna	PHC	Adequate Power Supply	No	No	Yes
	Shekharapur	PHC	No information Available	Yes	Yes	No
Son Bayari	PHC	No information Available	Yes	Yes	No	
Tamta	PHC	No Power supply	Yes	Yes	No	
Tapkara	PHC	No information Available	No	No	Yes	
Kanker	DHQ Kanker	DHQ	Good Power supply	No	No	Yes
	Antagarh	CHC	Good Power supply	No	No	Yes
	Bhanupratapur	CHC	Good Power supply	No	No	Yes
	charama	CHC	Good Power supply	No	No	Yes
	Durgu kondal	CHC	Good Power supply	No	No	Yes
	Koyali beda	CHC	Good Power supply	No	No	Yes
	Sarona (Narharpurn)	CHC	Good Power supply	No	No	Yes
	Amoda	PHC	Good Power supply	No	No	Yes
	Badgaon (Koyelobeda)	PHC	No information Available	Yes	Yes	No
	Bande	PHC	Good Power supply	No	No	Yes
	Bhanbeda	PHC	No information Available	Yes	Yes	No
	Civil Hospital (Kanker)	PHC	Good Power supply	No	No	Yes
	Damkasa	PHC	Good Power supply	No	No	Yes
	DhaneliKanhar	PHC	Good Power supply	No	No	Yes
	Halba	PHC	Good Power supply	No	No	Yes
	Haradula	PHC	No information Available	Yes	Yes	No
	Kapsi	PHC	Good Power supply	No	No	Yes

District	Site	Type	Power Supply Situation	Genset Available	Genset Operational	Genset Required
	Korar	PHC	Adequate Power Supply	No	No	Yes
	kottara	PHC	No information Available	Yes	Yes	No
	Lakhanpuri	PHC	Good Power supply	No	No	Yes
	Pathanjoor	PHC	Good Power supply	No	No	Yes
	Pedapal	PHC	Good Power supply	No	No	Yes
	Sarona	PHC	Good Power supply	No	No	Yes
	Tadoki	PHC	Good Power supply	No	No	Yes
Kavarda	DHQ Kawardha	DHQ	Good Power supply	No	No	Yes
	Bodla	CHC	Adequate Power Supply	Yes	Yes	No
	Kawarda	CHC	Good Power supply	No	No	Yes
	Pandariya	CHC	Adequate Power Supply	No	No	Yes
	Sahaspur lohara	CHC	Adequate Power Supply	No	No	Yes
	Bhibori	PHC	No information Available	Yes	Yes	No
	Chirpani	PHC	No information Available	Yes	Yes	No
	Damapur	PHC	No information Available	Yes	Yes	No
	Kishangarh	PHC	No information Available	Yes	Yes	No
	Kukudar	PHC	No information Available	Yes	Yes	No
	Kunda	PHC	Adequate Power Supply	No	No	Yes
	Panda tarai	PHC	No information Available	Yes	Yes	No
	Pipariya	PHC	Adequate Power Supply	No	No	Yes
	Rengakhar	PHC	No information Available	No	No	Yes
	Taregaon	PHC	Poor power supply	No	No	Yes
Korba	DHQ Korba	DHQ	Good Power supply	No	No	Yes
	Kartala	CHC	Adequate Power Supply	No	No	Yes
	Katghora	CHC	Good Power supply	No	No	Yes
	Korba	CHC	Good Power supply	No	No	Yes
	Pali	CHC	Poor power supply	No	No	Yes
	Podi Uroda	CHC	Adequate Power Supply	No	No	Yes
	Ajgar Bahar	PHC	No information Available	Yes	Yes	No
	Bhaisma	PHC	No information Available	Yes	Yes	No
	Chiknipali	PHC	No Power supply	Yes	Yes	No
	Farsawani	PHC	No Power supply	Yes	Yes	No
	Hardibazar	PHC	No information Available	Yes	Yes	No
	Jataga	PHC	No Power supply	Yes	Yes	No
	Kerakchar	PHC	No Power supply	Yes	Yes	No
	Korgoma	PHC	No information Available	Yes	Yes	No
	Kothari	PHC	No Power supply	Yes	Yes	No
	Kudumura	PHC	No information Available	Yes	Yes	No
	Lafa	PHC	Adequate Power Supply	No	No	Yes
	Lemaru	PHC	No information Available	Yes	Yes	No
	Mahora	PHC	No Power supply	Yes	Yes	No
	Mongra	PHC	No information Available	Yes	Yes	No
	Morga	PHC	No Power supply	Yes	Yes	No
	Pasan	PHC	Poor power supply	No	No	Yes
	Rampur	PHC	No Power supply	Yes	Yes	No
	Saragbudhiya	PHC	No Power supply	Yes	Yes	No
	Shayang	PHC	No information Available	Yes	Yes	No
	Tilkeja	PHC	No information Available	Yes	Yes	No
	Tuman	PHC	No Power supply	Yes	Yes	No
Korea	DHQ Baikunthpur	DHQ	Good Power supply	Yes	No	Yes

District	Site	Type	Power Supply Situation	Genset Available	Genset Operational	Genset Required
	Bharatpur (Janakpur)	CHC	Poor power supply	No	No	Yes
	Khadgawan	CHC	Adequate Power Supply	No	No	Yes
	Manendragarh	CHC	Adequate Power Supply	No	No	Yes
	Sonahat	CHC	Adequate Power Supply	No	No	Yes
	Bachrapodi	PHC	Adequate Power Supply	No	No	Yes
	Badesalhi	PHC	No Power supply	Yes	Yes	No
	Belbehra	PHC	No Power supply	Yes	Yes	No
	Bharatpur	PHC	Poor power supply	No	No	Yes
	Buhar	PHC	No information Available	No	No	Yes
	Chirmiri	PHC	Good Power supply	No	No	Yes
	Katgodi	PHC	Good Power supply	No	No	Yes
	Kelhari	PHC	Poor power supply	No	No	Yes
	Kotadol	PHC	No Power supply	Yes	Yes	No
	Kuwarpur	PHC	No Power supply	Yes	Yes	No
	Madisarai	PHC	No Power supply	Yes	Yes	No
	Mansukh	PHC	Poor power supply	No	No	Yes
	Nagpur	PHC	Low Voltage	No	No	Yes
	Patna	PHC	Adequate Power Supply	No	No	Yes
	Ramgarh	PHC	No Power supply	Yes	Yes	No
	Salka(Khadgawan)	PHC	Poor power supply	No	No	Yes
	Sonhari	PHC	No Power supply	Yes	Yes	No
Tegni	PHC	No Power supply	Yes	Yes	No	
Mahasamund	DHQ Mahasamund	DHQ	Good Power supply	No	No	Yes
	Bagbahara	CHC	Adequate Power Supply	No	No	Yes
	Basna	CHC	Adequate Power Supply	No	No	Yes
	Pithora	CHC	Adequate Power Supply	No	No	Yes
	Saraipali	CHC	Adequate Power Supply	No	No	Yes
	Baloda (Saraipali)	PHC	Adequate Power Supply	No	No	Yes
	Barli	PHC	No information Available	Yes	Yes	No
	Bhitideah	PHC	Adequate Power Supply	No	No	Yes
	Bhurkoni	PHC	Adequate Power Supply	No	No	Yes
	Birkoni	PHC	Adequate Power Supply	No	No	Yes
	Chanat	PHC	No information Available	Yes	Yes	No
	CS office	PHC	Adequate Power Supply	No	No	Yes
	Jhalap	PHC	Adequate Power Supply	No	No	Yes
	Jhara	PHC	No information Available	Yes	Yes	No
	Khallari	PHC	No information Available	Yes	Yes	No
	Khatti	PHC	No information Available	Yes	Yes	No
	Komakhan	PHC	Adequate Power Supply	No	No	Yes
	Pathsendari	PHC	Adequate Power Supply	No	No	Yes
	Pirda	PHC	Adequate Power Supply	No	No	Yes
	Sankara	PHC	Adequate Power Supply	No	No	Yes
Tumgaon	PHC	Poor power supply	No	No	Yes	
Raigarh	DHQ Raigarh	DHQ	Good Power supply	Yes	Yes	No
	Chapla	CHC	Adequate Power Supply	No	No	Yes
	Dharamjaigarh	CHC	Good Power supply	No	No	Yes
	Gharghoda	CHC	Poor power supply	No	No	Yes
	Kharsia	CHC	Adequate Power Supply	No	No	Yes
	Lailunga	CHC	Adequate Power Supply	No	No	Yes
	Pussor	CHC	Adequate Power Supply	No	No	Yes

District	Site	Type	Power Supply Situation	Genset Available	Genset Operational	Genset Required
	Tamnara	CHC	Adequate Power Supply	No	No	Yes
	Vijayanagar (Kapu)	CHC	Poor power supply	No	No	Yes
	Badebhandar	PHC	No information Available	Yes	Yes	No
	Bangursiya	PHC	No information Available	Yes	Yes	No
	Baramkela	PHC	Adequate Power Supply	No	No	Yes
	Barra	PHC	No information Available	Yes	Yes	No
	Bhedban	PHC	No information Available	Yes	Yes	No
	Bijkot	PHC	No information Available	Yes	Yes	No
	Chal	PHC	No information Available	Yes	Yes	No
	Chalha	PHC	No information Available	Yes	Yes	No
	Dongarpali	PHC	No information Available	Yes	Yes	No
	Dumarpali	PHC	No information Available	Yes	Yes	No
	Godam	PHC	No information Available	Yes	Yes	No
	Hati	PHC	No information Available	Yes	Yes	No
	Hirri	PHC	No information Available	Yes	Yes	No
	Jobi	PHC	Adequate Power Supply	No	No	Yes
	Kankaya	PHC	No information Available	Yes	Yes	No
	Keya	PHC	No information Available	Yes	Yes	No
	Khamar	PHC	No information Available	Yes	Yes	No
	Kodatarai	PHC	No information Available	No	No	Yes
	Kosir	PHC	Poor power supply	No	No	Yes
	Kudamkela	PHC	No information Available	Yes	Yes	No
	Kumarta	PHC	No information Available	Yes	Yes	No
	Lamdad	PHC	No information Available	Yes	Yes	No
	Laripani	PHC	No information Available	Yes	Yes	No
	Libra	PHC	No information Available	Yes	Yes	No
	Loing	PHC	Adequate Power Supply	No	No	Yes
	Midmida	PHC	No information Available	Yes	Yes	No
	Mugdega	PHC	Adequate Power Supply	No	No	Yes
	Nandeli	PHC	Adequate Power Supply	No	No	Yes
	Navrangpur	PHC	No information Available	Yes	Yes	No
	Nukdega	PHC	No information Available	Yes	Yes	No
	Putkapuri	PHC	No information Available	Yes	Yes	No
	Rajpur (Lailunga)	PHC	No information Available	Yes	Yes	No
	Saranggarh	PHC	Good Power supply	No	No	Yes
	Sariya	PHC	No information Available	Yes	Yes	No
	Sariya lengha	PHC	Adequate Power Supply	No	No	Yes
	Sarwani	PHC	No information Available	Yes	Yes	No
	Siringa	PHC	No information Available	Yes	Yes	No
	Tendanawapara	PHC	No information Available	Yes	Yes	No
Turekela	PHC	No information Available	Yes	Yes	No	
UFWC (HQ) Raigarh	PHC	No information Available	No	No	Yes	
Urba	PHC	No information Available	Yes	Yes	No	
Vijayanagar	PHC	Adequate Power Supply	No	No	Yes	
Raipur	CS Raipur	CS	No information Available	Yes	Yes	No
	Abhanpur	CHC	Adequate Power Supply	No	No	Yes
	Arang	CHC	Good Power supply	No	No	Yes
	Baloudabajar (Lavan)	CHC	Adequate Power Supply	No	No	Yes
	Bhatapara	CHC	Adequate Power Supply	No	No	Yes
	Bilaigarh	CHC	Adequate Power Supply	No	No	Yes



District	Site	Type	Power Supply Situation	Genset Available	Genset Operational	Genset Required
	Chhura	CHC	Poor power supply	No	No	Yes
	Deobhog	CHC	Adequate Power Supply	No	No	Yes
	Dharsiwa	CHC	Good Power supply	No	No	Yes
	Gariyaband	CHC	Adequate Power Supply	No	No	Yes
	Kasdol	CHC	No information Available	No	No	Yes
	Mainpur	CHC	Poor power supply	No	No	Yes
	Palari	CHC	Adequate Power Supply	No	No	Yes
	Phingeshwar	CHC	Good Power supply	No	No	Yes
	Simga	CHC	Good Power supply	No	No	Yes
	Tilda	CHC	Adequate Power Supply	No	No	Yes
	Amasini	PHC	No information Available	Yes	Yes	No
	Amlimandar	PHC	Poor power supply	No	No	Yes
	Barpali	PHC	No information Available	Yes	Yes	No
	Bhansoj	PHC	Adequate Power Supply	No	No	Yes
	Bhatagaon	PHC	No information Available	Yes	Yes	No
	Bhatgaon (Bhilaigarh)	PHC	Poor power supply	No	No	Yes
	Boriyakalan	PHC	No information Available	Yes	Yes	No
	Champaran	PHC	Adequate Power Supply	No	No	Yes
	Chandkhuri farm	PHC	Good Power supply	No	No	Yes
	Dr. Ambedkar Hospital	PHC	Good Power supply	No	No	Yes
	Gidhpuri	PHC	No information Available	Yes	Yes	No
	Hathband	PHC	Adequate Power Supply	No	No	Yes
	Jhakarpara	PHC	Adequate Power Supply	No	No	Yes
	Jhangaon	PHC	No information Available	Yes	Yes	No
	Katangi	PHC	No information Available	Yes	Yes	No
	Kharora	PHC	Poor power supply	No	No	Yes
	Khilora	PHC	Adequate Power Supply	No	No	Yes
	Kondkera	PHC	No information Available	Yes	Yes	No
	Kopra	PHC	Poor Power supply	No	No	Yes
	Kosmandi	PHC	No information Available	Yes	Yes	No
	Kurud Kutela	PHC	Adequate Power Supply	No	No	Yes
	Lakhanpur (Palari)	PHC	No information Available	Yes	Yes	No
	Lavan	PHC	Adequate Power Supply	No	No	Yes
	Mandhar	PHC	Adequate Power Supply	No	No	Yes
	Mandir Hasid	PHC	Good Power supply	No	No	Yes
	Mopar	PHC	No information Available	Yes	Yes	No
	Nawapara	PHC	Poor Power supply	No	No	Yes
	Nipniya	PHC	Adequate Power Supply	No	No	Yes
	Panduka	PHC	Poor power supply	No	No	Yes
	Patsivni	PHC	No information Available	Yes	Yes	No
	Pharphoud	PHC	Adequate Power Supply	No	No	Yes
	Piprachedi	PHC	Poor Power supply	No	No	Yes
	Raja devri	PHC	No information Available	Yes	Yes	No
	Rajim	PHC	Adequate Power Supply	No	No	Yes
	Rasla	PHC	No information Available	Yes	Yes	No
	Risda	PHC	No information Available	Yes	Yes	No
	Rohansi	PHC	Poor power supply	No	No	Yes
	Sarsiwa	PHC	Adequate Power Supply	No	No	Yes
	Silyari	PHC	Adequate Power Supply	No	No	Yes
	Sonakhan	PHC	No information Available	Yes	Yes	No

District	Site	Type	Power Supply Situation	Genset Available	Genset Operational	Genset Required
	Suhela	PHC	No information Available	Yes	Yes	No
	Torla	PHC	Adequate Power Supply	No	No	Yes
	Udan	PHC	No information Available	Yes	Yes	No
	UFWC Kalibadi	PHC	Good Power supply	No	No	Yes
	Urmal	PHC	Poor power supply	No	No	Yes
Rajnandgaon	DHQ Rajnandgaon	DHQ	Good Power supply	No	No	Yes
	Ambagarh Chow ki	CHC	Good Power supply	No	No	Yes
	Chuikhadan	CHC	Good Power supply	No	No	Yes
	Churiya	CHC	Good Power supply	No	No	Yes
	Dongargaon	CHC	Good Power supply	No	No	Yes
	Dongargarh	CHC	Good Power supply	No	No	Yes
	Ghumka	CHC	Good Power supply	No	No	Yes
	Khairagarh	CHC	Good Power supply	No	No	Yes
	Manpur	CHC	Good Power supply	No	No	Yes
	Mohla	CHC	Good Power supply	No	No	Yes
	Aasara	PHC	Good Power supply	No	No	Yes
	Badgaon (Dongargaon)	PHC	Good Power supply	No	No	Yes
	Basadi	PHC	Poor power supply	No	No	Yes
	Bharitola	PHC	Good Power supply	No	No	Yes
	Chilhathi	PHC	Good Power supply	No	No	Yes
	Dangarh	PHC	Poor Power supply	No	No	Yes
	Dugrideahkala	PHC	Good Power supply	No	No	Yes
	Ganadhatola	PHC	Good Power supply	No	No	Yes
	Gandai	PHC	Good Power supply	No	No	Yes
	Gotatola	PHC	Good Power supply	No	No	Yes
	Jalabandha	PHC	Adequate Power Supply	No	No	Yes
	Khadgaon	PHC	Good Power supply	No	No	Yes
	Kodikasan	PHC	Good Power supply	No	No	Yes
	Kumardha	PHC	Good Power supply	No	No	Yes
	Lalbahadurnagar	PHC	Good Power supply	No	No	Yes
	Mohra	PHC	Good Power supply	No	No	Yes
	Murmunda	PHC	Good Power supply	No	No	Yes
	Ondhi	PHC	Good Power supply	No	No	Yes
	Ramatola	PHC	Good Power supply	No	No	Yes
	Rangkatara	PHC	Good Power supply	No	No	Yes
	Salehvara	PHC	No Power supply	No	No	Yes
	Somni	PHC	Good Power supply	No	No	Yes
	Surgi	PHC	No information Available	Yes	Yes	No
Tappa	PHC	No information Available	No	No	Yes	
Udaipur	PHC	No information Available	No	No	Yes	
UFHS	PHC	Good Power supply	No	No	Yes	
Umarwahi	PHC	Good Power supply	No	No	Yes	
Sarguja	DHQ Sarguja	DHQ	Adequate Power Supply	No	No	Yes
	Balrampur	CHC	Adequate Power Supply	No	No	Yes
	Batoli	CHC	Poor power supply	No	No	Yes
	Bhayadhan	CHC	Adequate Power Supply	No	No	Yes
	Dhourpur	CHC	Adequate Power Supply	No	No	Yes
	Kusmi	CHC	Low Voltage	No	No	Yes
	Lakhanpur	CHC	Low Voltage	No	No	Yes
	Odgi	CHC	Adequate Power Supply	No	No	Yes

District	Site	Type	Power Supply Situation	Genset Available	Genset Operational	Genset Required
	Pratapur	CHC	Adequate Power Supply	No	No	Yes
	Premnagar	CHC	Low Voltage	No	No	Yes
	Rajpur	CHC	Poor power supply	No	No	Yes
	Ramanujganj	CHC	Poor power supply	No	No	Yes
	Ramanujnagar	CHC	Adequate Power Supply	No	No	Yes
	Shankargarh	CHC	Low Voltage	No	No	Yes
	Sitapur	CHC	Adequate Power Supply	No	No	Yes
	Surajpur	CHC	Adequate Power Supply	No	No	Yes
	Udaypur	CHC	Low Voltage	No	No	Yes
	Wadarfarnagar	CHC	Adequate Power Supply	No	No	Yes
	Aara (Rajpur)	PHC	No Power supply	No	No	Yes
	Ajabnagar	PHC	Poor power supply	No	No	Yes
	Bafoli	PHC	Low Voltage	No	No	Yes
	Bandana	PHC	Poor power supply	No	No	Yes
	Bargideh	PHC	No Power supply	Yes	Yes	No
	Bariyo	PHC	Poor power supply	No	No	Yes
	Barkela	PHC	No Power supply	Yes	Yes	No
	Bartikalan	PHC	Poor power supply	No	No	Yes
	Basdei	PHC	No Power supply	No	No	Yes
	Bataikela (Batoli)	PHC	No Power supply	Yes	Yes	No
	Batra	PHC	Poor power supply	No	No	Yes
	Bhatgaon (Bhayadhan)	PHC	Good Power supply	No	No	Yes
	Biharpur Chandni	PHC	Poor power supply	Yes	Yes	No
	Bishrampur (Surajpur)	PHC	Good Power supply	No	No	Yes
	Chalgali	PHC	Adequate Power Supply	No	No	Yes
	Chandarpur	PHC	Poor power supply	No	No	Yes
	Chando	PHC	Low Voltage	Yes	Yes	No
	Chandrameda	PHC	No Power supply	Yes	Yes	No
	Darima	PHC	Low Voltage	No	No	Yes
	Depadeah	PHC	No Power supply	Yes	Yes	No
	Devnagar	PHC	Poor power supply	No	No	Yes
	Dharampur	PHC	Poor power supply	No	No	Yes
	Dhodhagaon	PHC	No Power supply	Yes	Yes	No
	Dumardeh	PHC	No Power supply	Yes	Yes	No
	Dumarkhola	PHC	Poor power supply	No	No	Yes
	Ganeshpur	PHC	Poor power supply	No	No	Yes
	Ghutarapara	PHC	No Power supply	Yes	Yes	No
	Gopalpur	PHC	No Power supply	Yes	Yes	No
	Gorpani	PHC	No information Available	Yes	Yes	No
	Gumgara	PHC	Adequate Power Supply	No	No	Yes
	Guturma	PHC	No Power supply	No	No	Yes
	Jamwantpur (aaragahi)	PHC	Poor power supply	No	No	Yes
	Jawaharnagar	PHC	No Power supply	Yes	Yes	No
	Kamalpur	PHC	No Power supply	Yes	Yes	No
	Kamari	PHC	No Power supply	Yes	Yes	No
	Kamleshwarpur	PHC	Poor power supply	No	No	Yes
	Kandarai	PHC	No Power supply	No	No	Yes
	Karsi	PHC	No Power supply	Yes	Yes	No
	Kedma	PHC	Poor power supply	No	No	Yes
	Ketaka	PHC	No Power supply	Yes	Yes	No

District	Site	Type	Power Supply Situation	Genset Available	Genset Operational	Genset Required
	Lanjit	PHC	No Power supply	Yes	Yes	No
	Lehpatra	PHC	Poor power supply	No	No	Yes
	Lundra	PHC	Adequate Power Supply	No	No	Yes
	Maharajganj	PHC	Poor power supply	No	No	Yes
	Narbadapur	PHC	Adequate Power Supply	No	No	Yes
	Nawanagar	PHC	Poor power supply	No	No	Yes
	Pampapur	PHC	No Power supply	Yes	Yes	No
	Pasta	PHC	Poor power supply	No	No	Yes
	Patora	PHC	No Power supply	Yes	Yes	No
	Raghunath nagar	PHC	Poor power supply	No	No	Yes
	Raghunathpur	PHC	No information Available	No	No	Yes
	Ramchandrapur	PHC	Poor power supply	No	No	Yes
	Ramkola	PHC	No Power supply	Yes	Yes	No
	Revati	PHC	Poor power supply	No	No	Yes
	Revatpur	PHC	No Power supply	Yes	Yes	No
	Salka (Aghina)	PHC	Low Voltage	No	No	Yes
	Salka(Udaypur)	PHC	No Power supply	Yes	Yes	No
	Samri	PHC	No Power supply	Yes	Yes	No
	Sanawal	PHC	Poor power supply	No	No	Yes
	Silota	PHC	No Power supply	Yes	Yes	No
	Sonagara	PHC	No Power supply	Yes	Yes	No
	Sonpur	PHC	Poor power supply	No	No	Yes
	Sukheri	PHC	Adequate Power Supply	No	No	Yes
	Tatijhariya	PHC	No information Available	Yes	Yes	No
	Umreshravpur	PHC	No Power supply	Yes	Yes	No

**APPENDIX Q**

**LIST OF STAFF OPERATING AT SITES AND THEIR  
TRAINING STATUS**

## LIST OF STAFF OPERATING AT SITES AND THEIR TRAINING STATUS

District	Site	Type	HR Name	Designation	Training Attended	Last Training Attended
Bastar	Aadawal	PHC	A.R. Joshi	MPW	Yes	2002
			Smt. Kunjamma C.P.	LHV	No	
	Abujhamand (Orchha)	CHC	Shri. Mojeslee	MPW	No	
			Smt. M.Lee	MPW	No	
	Anantpur	PHC	Smt. A. Sarkar	MPW	No	
			Smt. J. Thakur	LHV	Yes	2002
	Badedongar	PHC	Shri. K.S. Thakur	MPW	No	
			Shri. S. Raman	Componder	No	
	Badekilepal	CHC	Shri. S.N. baghel	Dresser	Yes	2002
			Smt. Dazmi Newar	LHV	No	
	Baderajpur	PHC	Shri. R.S. Devdas	Male supervisor	No	
			Smt. E.Sevti	MPW	No	
	Bahigaon	PHC	Shri. K.b. Deo	Componder	No	
			Smt. S. Rama	LHV	Yes	2002
	Bakawand	CHC	KU. Sunita kosta	S.N.	No	
			Smt. C. baghel	LHV	Yes	2002
	Banskot	PHC	Smt. K. Sahu	MPW Female	No	
			Smt. K.R. Sahu	MPW	Yes	2002
	Bastar	CHC	Shri. L.N. dewagan	H.A	No	
			Shri. Nilkmth	Ward boy	No	
	Benur	PHC	Smt. Anita Sharma	LHV	Yes	2003
			Smt. Nanda Devangan	ANM	No	
	Bhanpuri	PHC	Shri. Anni stephan	WA	No	
			Shri. S.B. Williyam	Componder	Yes	2002
	Bishrampur	CHC	Smt. Shanti Netam	LHV	Yes	2002
			Smt. Sulachno Jhon	ANM	No	
	Chandragiri	PHC	Smt. Sakum Baghel	VHW	Yes	December - 2003
	Chaparbhanpuri	PHC	Shri. L.R. Thakur	Dresser	No	
			Smt.Shora Ray	LHV	Yes	2004
	Chipawand	PHC	Smt. A. Somel	LHV	No	
			Smt. D. Dewangan	RHO	No	
	Chotedongar	PHC	Smt. C.B. padamar	LHV	Yes	1999
			Smt. R.D. Ratray	Supervisor	No	
Darbha	CHC	Kumari kiran Dhrur	WA	No		
		Smt.R.D.Khan	LHV	No		
Dhanora (Keskal)	PHC	Shri. Neelay Ray	Dresser	No		
		Shri. Sub chand Baidh	Ward boy	No		
Gundagaon	PHC	Shri. Ashok Ku. Tode	Dresser	No		
		Shri. B.S. Pandey	NMS	No		
Kachnar	PHC	Mr. G.C. Rao	J.M.I	No		
		Smt. Meena Sharma	LHV	No		
Kesarpal	PHC	Smt. A. Das	MPW Female	No		
Keshkal	CHC	Shri. Baghil	Dresser	No		

District	Site	Type	HR Name	Designation	Training Attended	Last Training Attended
			Smt. G. Ray	LHV	Yes	2002
	Kohkameta	PHC	Shri. R. Dewagoun	MPW	No	
	Kondagaon	CHC	Smt. Uma	ANM	Yes	2003
	Lohandiguda	CHC	Shri. R.C. Josi	MPW	Yes	2002
			Shri. Rahendra poya	Peon	No	
	Makdi	CHC	Smt. C. Bhartduyaj	LHV	Yes	2002
			Smt. K. Duby	LHV	No	
	Mardapal	PHC	Smt. K. Masih	LHV	No	
			Smt. M. Netam	ANM	No	
	Mardoom	PHC	Smt. Kusum Nag	M.P.W.	No	
			Smt. Sangita Kasyap	M.P.W.	No	
	Nagarnar	PHC	P.B. Mala	ANM	Yes	2002
	Nangur	PHC	Smt P. Nag	LHV	Yes	2002
			Smt. S.M. Singh	LHV	Yes	2002
	Narainpur	CHC	Smt. Kanta sarkar			January - 2005
			Smt. P. Bagday	ANM	Yes	May -2005
	Neganar	PHC	Shri. M.P. Varma	VHO	No	
			Smt. Kanak Bati Nag	VHO female	Yes	2002
	Pharasgaon	CHC	Smt. P.C. Nag	LHV	Yes	2002
			Smt.R. Varma	LHV	Yes	2002
	Sampur	PHC	Shri. P.R. poyam	MPW	No	
			Smt. A.Khande	LHV	Yes	2002
	Siganpur	PHC	Chandrakala Kach	M.P.W.	No	
			Mr. Chauhan	M.P.W	No	
	Tokapal	CHC	Shri Rate Tam	peon	Yes	2002
			Smt. S. Tiware	S.N.	Yes	2002
Bilaspur	Bilha	CHC	Bandawapur Dr. K.K. jaisawal		No	
			Shri. Pandey		No	
			Bodasara Dr. Gupta		No	
			Junpara Dr. Rai		No	
			mardikala Dr. paikara		No	
			Shri. Rajesh Beenkar	H.W	No	
	CIMS Medical college	CHC	Shri. Deepak Rajan	Vaccinator	Yes	2003
			Smt. Sharma yadew	ANM	No	
	Civil Hospital (Bilha)	CHC	Smt. R. Prakash	Staff Nurse	Yes	2004
	Dashrangpur	PHC	S. Parthi	H/W	No	
			Smt. G. Masih	Staff Nurse	No	
			Smt. J.R. Sahu	MPW	No	
			Smt. N. Manik	LHV	No	
			Smt. R. Ghosle		No	
			Smt. S. banjare	H/W	No	
			Smt. S.R. Das	H/W	No	
	DHQ Bilaspur	DHQ	Anil Kale			2005 (On Maintenance of Equipment.)
				Health worker	Yes	
			Sandeep tiwari	Refrigerator Mechanic	No	
	Ganiyari	PHC	Shri. T. R. Sahu	Componder	No	
	Mastori	CHC	Shri. P.K. Pandey			

vaccinator

Yes

November -

District	Site	Type	HR Name	Designation	Training Attended	Last Training Attended
						2005
	Mungeli	CHC	Khamharia Dr. Ratre	Componder	No	
			Shri. Anat Ram sahu	MPW	Yes	November - 2005
			Shri. Santash Mishra		Yes	November - 2005
	Pathria	PHC	Shri. R.S. Kousal	NMA	No	
	Sakari	PHC	Shri. S. K.. Raj	Lab Technician	No	
	Saragaon	PHC	C.K. Das	LHV	Yes	2005
			Dr. A.R. banjare	M.O	Yes	2005
			R.D. Dubay	Componder	No	
	Takhatpur	CHC	Amsena Dr. Minj	Componder	No	
			Deja		No	
			Dr. Shrivatav	B.R. Kousale	No	
			Smt. J. Kumar	Staff Nurse	Yes	November - 2005
			Sr. Gidawani	D.R. Kouslin	No	
Dantewada	Arahanpur	PHC	Smt. P.K. Sahare	ANM	No	
	Badebacheli	PHC	Shri. R.K. Prashad	Supervisor, NMA	Yes	2003
			Shri. S. S. Goyal	Dresser	Yes	2003
	Badegudra	PHC	Shri. R.K. Jathour	MPW	No	
			Smt. Sumitra Nag	ANM	No	
	Badetumnar	PHC	Dr. P.S. Bais	A-5	No	
			Shri. K.S. Sahu	JMI	Yes	2003
			Shri. V.S. Thakur	Ward Boy	No	
	Barsur	PHC	Smt. K. Kumar	LHV	No	
			Smt. P.Mandan	LHV	Yes	2002
	Basagunda	PHC	Shri. M.S. Netam	Componder	No	
			Shri. Nasiek Khan	MPW	No	
	Bhairamgarh	CHC	Kumari Jayanti Lakaba	Staff Nurse	Yes	1999
			Shri. Samrahu Ram Kashyup	Dresser	No	
	Bhopalpatnam	CHC	Shri. P. Borija	MPS	Yes	2003
	Bhusaras	PHC	Dr. G.P. Kadam	A/5	No	
	Bijapur	CHC	Shri. H.K. Dangre	MPS	No	
			Shri. Jagguram	Ward Boy	No	
			Smt. Manjulata Sahu	RHO	No	
	Chhindgarh	CHC	Kumari P. sing	LHV	Yes	2003
			Shri. J.R. Sing	B.E.T.O	Yes	1986
	Dantewada	CHC	Shri. K.C. Manghi	Ward Boy	No	
			Shri. P.N. Simg	B.E.E.O	Yes	1987
	DHQ Dantewada	DHQ	M.L. Nag	Refrigerator Mechanic	No	
	Dornapal	PHC	Shri. Mohanlal Nag	Dresser	No	
			Smt. Simala Bose	ANM	No	
	Gadiras	PHC	Shri. N.R. Sethiya	RHO	Yes	2003
			Smt. S. Thakur	LHV	Yes	2003
	Geedam	CHC	Shri. R.N. Jha	BEE0	No	
			Smt. P.L. Tikam	RHO	Yes	2002
	Goreli	PHC	Dr.M.L. Bhandekur	AMO	No	
	Ilmidi	PHC	Kumari Chanda Sekar	RHO	Yes	2003



District	Site	Type	HR Name	Designation	Training Attended	Last Training Attended
			Shri. R. Rajama	MPW	No	
	Jagargunda	PHC	S.R. Baidh	M.P.W	Yes	2003
	Katekalyan	CHC	Shri. Amal Singh	MPW	Yes	2003
			Shri. H.S, Yadav	Dresser	No	
	Kerlapal	PHC	H. Gautam	LHV	Yes	2003
			Laxmi Shriwas	RHO	No	
	Kirandul	PHC	Kumari. M.D. Thakur	LHV	No	
			Shri. M.R. Kashyap	Supervisor, NMA	Yes	2003
	Konta	CHC	Shrimate. D. Lakda	S.N	No	
			Smt. C.K. Sharma	S.N	Yes	2003
	Kuwakonda	CHC	Kumari Kamla Nag	ANM	No	
			Smt. H.D. Bhagat	LHV	Yes	2003
	Madderh	PHC	Shri. R.N. Sharma	Dresser	No	
	Metapal	PHC	Dr. P.K. Pardhan	A/s	No	
	Palanar	PHC	Smt. P.K. Mashih	LHV	No	
			Smt. S.K. Charaborthy	LHV	No	
	Pharaspal	PHC	Shri. S.M. Projapate	Pharmasist	No	
			Smt. Uma Vasadev	MPW	No	
			Smt. Usha Karma	ANM	No	
	Podung	PHC	Dr. D.K. Dhangar	AMO	No	
	Potali	PHC	Kumari Vinita Das	RHO	No	
	Pusgudi	PHC	B.K. Rathar	A/s	No	
	Puspal	PHC	Shri. D.S. Jangde	Ward Boy	No	
			Smt. Deepika Aeen	LHV	Yes	2003
	Sameli	PHC	Shri. Sansay Thakur	VHO	No	
			Smt. Ganga Sandilya	VHO	Yes	2003
	Sukma	CHC	Shri. S. R. Atkari	B.E.E.O	Yes	1995
			Smt. Matti Bhadariya	RHO	Yes	2003
	Surnar	PHC	Dr. R.K. Varma	A/s	No	
	Tompal	PHC	Ku. Roopeswari Jurri	RHO	No	
			Smt. N.N.Nag	LHV	Yes	2003
	Usur	CHC	Kumari Shusilla Vibhar	RHO	Yes	2003
			Shri. D. Kista	MPS	No	
Dhamtari	Badikerali	PHC	A.K. Verma	Componder	No	
			S.k. Srivastava	Dresser	No	
	Belergaon	PHC	R.C.Menisa	Componder	Yes	2000
			S. Paveen	ANM	No	
	Dhamtari (Gujra)	CHC	H.K. Siryaj	LHV	Yes	2003
			S. Masih	ANM	Yes	2003
	DHQ Dhamtari	DHQ	B.M. Das (accountant)	accountant	Yes	No training
			Dhanker	Refrigerator Mechanic	No	
	Dugli	PHC	M.K. Nashine	Dresser	No	
			Smt. R.D. bargar	LHV	Yes	2000
	Jijamgaon	PHC	A.C. Banjadie	Supervisor	Yes	2005
			V.P. Chandrakan	NMA	No	
	Keregaon	PHC	Protima Dongre	ANM	No	
Pursotum prosad sahu			Componder	No		
Kurud	CHC	Bhartiverma	Staff Nurse	Yes	March - 2005	

District	Site	Type	HR Name	Designation	Training Attended	Last Training Attended
	Magarlod	CHC	S.M. Vishwakenma	MPW	No	
			Ku. S. Chaturvedi	S.N	No	
			Smt. Neeta Sonbar	S.N	No	
	Nagari (Sihava)	CHC	Smt. M. Tripathi	Staff Nurse	No	
			Smt. R.John	ANM	Yes	2000
Durg	Ahiwara	PHC	Smt. Chandrika baghel	ANM	No	
			Smt. Gita Tuwaru	LHV	Yes	March -2005
	Arjunda	CHC	Miss. M.Das	Staff Nurse	No	
			Smt. R.R. Das	Staff Nurse	Yes	March -2005
	Balod	CHC	P.L. dhankar	MPW	Yes	March -2005
			P.S. Lal	LHV	No	
	Bemetara	PHC	A.K. Pandey	Componder	Yes	March -2005
			R. Kavilas	Nurse	No	
	Berla	CHC	Ramswarup verma	Componder	Yes	2000
			Smt. Ultra Dilliwar	S.N.	Yes	March -2005
	Bhilai 3	PHC	S.K. Chandrakar		Yes	March -2005
			V.P.Kose	Ward boy	No	
	Bhilai sector 8	PHC	Ruby devid	Storekeeper	Yes	March -2005
	Chikhalakasa	PHC	A. Murali	LHV	Yes	March -2005
			T.P. Sahu	Componder	Yes	March -2005
	Dadhi	PHC	C.L. Soni	Dresser	Yes	March -2005
			P. Yadav	LHV	Yes	March -2005
	Dargaon	PHC	S. Kousik	ANM	Yes	1998
			Sanat Kumar Bhasdhwaj	Dresser	Yes	March -2005
	Dhamdha	CHC	Kkumudini Chourasiya	LHV	Yes	March -2005
			S. Patel	LHV	No	
	Dondi	CHC	D.P. Yadav	Componder	Yes	March -2005
			G.K. Sinha	Componder	No	
	Dondi Lohara	CHC	Madhusilata Thakur	LHV	Yes	March -2005
			S.K. Gupta	NMA	No	
	Durg OPD	PHC	D.K. Sharma	MPW	No	
			Kamla Deshmukh	LHV	No	
			Tara Borkar	ANM	No	
	Gadadih	PHC	Shri. Dushyant kurdisonwai	Dresser	No	
			Smt. Shakan Theekur	Componder	Yes	March -2005
	Gujra	PHC	Bhawna vikey	ANM	No	
			S. Druw	Staff Nurse	No	
	Gunderdehi	CHC	B.K. Dewagen	RHO	Yes	March -2005
			S. Thaur	LHV	No	
	Gundheli	PHC	Smt. S. Khatri	ANM	No	
			Smt. S.r. Thakur	LHV	Yes	March -2005
	Gurur	CHC	I.C. Mkhale	H.A	Yes	March -2005
			Smt. Motim Sahu	ANM	No	
	Hanoda	PHC	manja chendrakur	ANM	No	
			Sashi Agrawal	LHV	Yes	March -2005
	Jheet	PHC	Smt. Savita shaha	LHV	Yes	March -2005
			Smt. Sumitra sahu	ANM	No	
	Kalangpur	PHC	M.K. Tandar	Componder	No	

District	Site	Type	HR Name	Designation	Training Attended	Last Training Attended
			Smt. Saraswati Belchandan	LHV	Yes	March -2005
	Khandsara	CHC	Janak Ram Sehu	MPW	Yes	March -2005
			K.A. Skaria	LHV	No	
	Khursipar	PHC	Smt. D. Dubay	LHV	Yes	March -2005
	Litiya (Bori)	PHC	Ku. Nameshwari Deshmukh	ANM	No	
			Y.S. Panday	Supervisor	No	
	Mahud	PHC	C.K. Patle	LHV	Yes	March -2005
			P.D. Nirmohi	MPW	No	
	Mangchua	PHC	Smt. P. Chandrakar	ANM	No	
			Smt. V. Chandrakar	ANM	No	
	Maro	PHC	K. Sharma	LHV	No	
			Vishwajeet Singh	Dresser	Yes	March -2005
	Murmunda (Dhamdha)	PHC	R.L. Yadav	MPW	No	
			R.M. Shama	Supervisor	Yes	March -2005
	Nahanda	PHC	Ram sing Shahu	MPW	No	
			Smt. K. Gondane	LHV	No	
	Nandghat	PHC	Amita Shrivastav	LHV	No	
			G.K. Sahu	MPW	No	
	Nankatti	PHC	D.S. Deshmukh	Componder	Yes	March -2005
			P.R.Kurre	Dresser	No	
	Nawagarh	CHC	S.L. Banjare	MPW	Yes	March -2005
	Nikum	CHC	R.B. Yadav	LHV	No	
			Smt. Krran Koushik	LHV	Yes	March -2005
	Palari (Gurur)	PHC	Deep Rekha	ANM	Yes	March -2005
				ANM	No	
			Smt meena lokhande	LHV	No	
			Smt. Meena Lokhande	LHV	No	
	Patan	CHC	Sayced aslam	RHO	No	
			T.R. Dewangon	Componder	Yes	March -2005
	Pendrawan	PHC	G.R. Sahu	Dresser	No	
			Kirti Mirmalker	Staff Nurse	Yes	March -2005
	Perpodi	PHC	Ashok kumar yadav	Ward boy	No	
			Smt. Bindy Devnath	LHV	No	
	Purur	PHC	Mr. G.R. Sinha	MPW	No	
			Smt. Ahilya Devangan	ANM	Yes	March -2005
	Ranchirai	PHC	A. Siddiki	LHV	Yes	March -2005
			D.D. Sahu	MPW	No	
	Ranitarai	PHC	K. Rekha Rudra	LHV	Yes	March -2005
			V.P. Dillihwar	Componder	No	
	Rasmadah	PHC	Smt. Mudhulata lal	LHV	Yes	March -2005
			Thakur	Supervisor	No	
	Saja	CHC	B.R. Sahu	SW	Yes	March -2005
			J.P. Baghel	LDC	No	
	Sambelpur	PHC	Goukivah Prasad Sharma	Dresser	Yes	March -2005
			Smt. Jaswanta Ramtake	LHV	No	
	Sirsida	PHC	G.R. Sharma	Dresser	No	

District	Site	Type	HR Name	Designation	Training Attended	Last Training Attended
			Smt. M. Chandraker	LHV	Yes	March -2005
	Supela	PHC	C.L. mui try	NMA	No	
			Sanjay rawan hatte	MPW	Yes	March -2005
	Surdung	PHC	Dayadel sahu	Dresser	No	
			Rotil kuma mandie	MPW	No	
	Suregaon	PHC	D.R. Thakur	Supervisor	Yes	March -2005
			N.L. shakya	NMA	No	
	Temari	PHC	L.H. Pandey	Ward Boy	Yes	March -2005
			S. Pal	LHV	No	
	Than Khamhariya	PHC	Smt. Saraswati Yadav	AYA	No	
			Smt. Wemabai	Ward boy	No	
	UFW Centre Durg	PHC	H.L. Dhanker	H.A	Yes	March -2005
			S.L. Panday	H.A	Yes	March -2005
	Utai	CHC	Artiday	LHV	Yes	March -2005
R.K. Chovehan			Supervisor	No		
Janjgir	Baloda	CHC	Smt. Anita das	Staff Nurse	No	
	Bamhndih	CHC	Ku. Priti	Staff Nurse	Yes	2003
	Champa Civil dispensory	PHC	Shri. H.L. Chandra	MPW	No	
			Smt. Shobha das	ANM	No	
	Chandrapur	PHC	Smt. A. Kashyap	LHV	No	
	Dabhara	CHC	Smt. Radha singh	LHV	No	
	DHQ Janjgir	DHQ	Shiv Kumar Thawait	MPW	Yes	2003
	Jaijaipur	CHC	Smt. M. Toppo	LHV	No	
	Janjgir (Nawagarh)	CHC	Smt. Asha	LHV	No	
	Malkharoda	CHC	Smt. S. Charchan	LHV	Yes	2003
Pamgarh	CHC	Shri. V.N. Kashyap	Dresser	Yes	2004	
Jashupur	Bagicha	CHC	Ku. Reena Ekka	ANM	No	
			Shri. Kawaljeet Singh	BEE0	No	
			Smt. R. Tirkey	LHV	Yes	2003
	Cohan	PHC	Smt. S.K. Mangat	LHV	Yes	2003
	DHQ Jashpur	DHQ	Smt. S. Indwar	LHV	Yes	1998
			Smt. S. Kujur	LHV	Yes	1998
			Top Singh Verma	Refrigerator Mechanic	Yes	Never trained
	Duldula	CHC	Shri. G.S. Das	MPW	Yes	2003
	Kansabel	CHC	Ku. F. Lakra	ANM	Yes	2003
			Ku. Ganga Yadav	LHV	Yes	2003
	Kotaba	PHC	Shri. Hiralal	MPW	No	
	Kunkuari	CHC	Smt. F. Cakra	LHV	Yes	2003
	Manora	CHC	Smt. Asha ekka	LHV	Yes	2003
	Parsabahar	CHC	Shri. Parasram Sonwani	WB	No	
			Smt. P. Namdeo	LHV	Yes	2003
	Pathalgaon	CHC	Shri. Arjun Ram Yadav	W.M	No	
Shri. B.R. patel			Dresser	Yes	2003	
Sanna	PHC	Smt. J. Tirkey	LHV	Yes	2003	
Tapkara	PHC	r.k. Sharma	NMA	Yes	2003	
Kanker	Amoda	PHC	Shri. Mati D. Markam	LHV	Yes	May -2005
			Shri. T.D. Nareti	BEE	Yes	May -2005
	Antagarh	CHC	Shri. R.B. Ram			

Vaccine

Yes

August -

District	Site	Type	HR Name	Designation	Training Attended	Last Training Attended
				supervisor		2004
	Bande	PHC	Shri. C.S. Yadav		Yes	February - 2003
			Shri. Deelip Kumar Nimbalkar		No	
	Bhanupratapur	CHC	Smt. K.B. Das	RHO	No	
			Smt. Ratma pal	LHV	Yes	May -2005
	charama	CHC	Shri. N.P. kange	Componder	No	
			Smt. Aketnna Nainan	LHV	Yes	February - 2005
	Civil Hospital (Kanker)	PHC	Smt. P. Kumar	LHV	Yes	May -2005
	Damkasa	PHC	P. motedhase	LHV	Yes	May -2005
			Smt. Ganga dhura	RHO	No	
	DhaneliKanhar	PHC	Shri. R.K. Devangan	BE	No	
			Smt. Anju Ranichanhan	LHV	Yes	March -2005
	Durgu kondal	CHC	Shri. Geeta Thakur	RHO	Yes	May -2005
	Halba	PHC	Shri. S.K. katendra	Componder	No	
	Kapsi	PHC	Shri. N.C. mandal	JMI	Yes	October - 2005
	Korar	PHC	Smt. K. Datta	ANM	No	
			Smt. Prabha das	LHV	No	
	Koyali beda	CHC	Kumari Radh dhraw	ANM	No	
			Shri.R.L. Sahu	MPS	Yes	February - 2005
	Lakhanpuri	PHC	Shri. R. Verma	MPW	Yes	May -2005
	Pathanjoor	PHC	Smt. Milan Mitra	Staff Nurse	No	
			Smt. Shipra Devmath	MPW	No	
	Sarona	PHC	Shri. S.R. Baghel	Componder	Yes	October - 2005
	Sarona (Narharpurn)	CHC	Shri. J.R. Nagesh	NMA	No	
			Shri. N.C. Some	Pharmacist	No	
	Tadoki	PHC	Smt. Pramila Bagde	LHV	Yes	May -2005
Kavarda	Bhibori	PHC	Smt. K. Chandrakar	ANM	No	
	Bodla	CHC	C. Belone	ANM	No	
			G.C. Jaiswal	Componder	Yes	1992
	DHQ Kawardha	DHQ	Anita tiwari	FHW	Yes	Oct- 2004
			O.P patel	SO ( statistics officer)	Yes	No training
			Rasheed Khan	Refrigerator Mechanic	Yes	Oct - 004
	Kawarda	CHC	J.R. Chata Biddaini	NMA	Yes	2005
			Smt. Amita Tiwari	FHW	Yes	2005
	Kukudar	PHC	A.K. Kashyap	Compunder	No	
			P.N. Saha	ANM	No	
	Kunda	PHC	Mr. Pyare	Componder	No	
			S.J. Mahor	Componder	No	
	Pandariya	CHC	Mr. Sansad Ahmed	MPW	Yes	July -2004
			Smt. Maya Ben	ANM	No	
	Pipariya	PHC	D.K. Dhruv	Supervisor, NMA	No	
			L.K. Soni	MPW	No	
	Sahaspur lohara	CHC	Smt. S. Tiwari	ANM	No	

District	Site	Type	HR Name	Designation	Training Attended	Last Training Attended
			T.L. Nishad	Ward Boy	Yes	2004
	Taregaon	PHC	A. Damle	LHV	No	
Korba	Chiknipali	PHC	Dr. Arjun Sharma	AS	No	
	DHQ Korba	DHQ	Mr. Nelamani Nayak	accountant Manager	No	
			Mr. Pradipta Kumar Saha	Data Assistant	No	
	Farsawani	PHC	Dr. Bamod Mohajan	AS	No	
	Jataga	PHC	Dr. Smt. Shankuntala Bhagat	AS	No	
	Kartala	CHC	Shri. R.K. Negar	Componder	No	
			Smt. Kavita korte	Staff Nurse	Yes	1994
	Katghora	CHC	Shri. Govil	Componder	No	
			Smt. M.C. Rajput	ANM	Yes	2004
	Kerakchar	PHC	Dr. Vimndra singh	AS	No	
	Korba	CHC	Shri. M.K. Patel	HA	Yes	1996
			Shri. P.D. Tikee	MPW	No	
	Kothari	PHC	Dt. Parmesh verma	AS	No	
	Lafa	PHC	Dr. C.L. Ratre		No	
	Mahora	PHC	Dr. G.S. Kanwar	AS	No	
	Morga	PHC	Dr. Digija Bahadar singh	AS	No	
	Pali	CHC	a. k. Verma	Attendant	No	
			G. Kasyap	LHV	No	
	Pasan	PHC	S.R. Sones	LHV	No	
			Smt. S. Biswas	LHV	Yes	2003
	Podi Uproda	CHC	R.K. Nika	LHV	Yes	1996
			S. Bharaj	ANM	Yes	1996
	Rampur	PHC	Dr. Vivek Pradap singh	AS	No	
	Saragbudhiya	PHC	Dr. D.R. Raj	AS	No	
	Tuman	PHC	Dr. Pasplada	AS	No	
	Korea	Bachrapodi	PHC	Smt. J. Lakra	LHV	No
Bharatpur		PHC	Dr. C.K. Lal	BMO	No	
			Shri. K.N. Verma	N.S	No	
Bharatpur (Janakpur)		CHC	Shri. K.N. Verma	V.S.	Yes	1992
			Shri. S.S. parihar	BEE0	No	
Buhar		PHC	Dr. Chikanjuri	BMO	No	
Chirmiri		PHC	Shri. Parshuram	Dresser	No	
DHQ Baikunthpur		DHQ	Smt. J Kaul	ANM	No	
			Smt. Meera Dasgupta	LHV	Yes	No training yet
Kelhari		PHC	Shri. Poona Ram	Sweeper	No	
Khadgawan		CHC	Shri. R.S. Kushwaha	V.S	No	
Kuwarpur		PHC	Dr. C.K. Lal	BMO	No	
Madisarai		PHC	Dr. C.K. Lal	BMO	No	
Manendragarh		CHC	Shri. N. R. Karoliza	Componder	No	
Nagpur		PHC	Smt. Namita chatarjee	LHV	No	
Patna		PHC	Shri. S.K. Gulhane	MPW	No	
	Smt.M.Z, Minj		LHV	No		
Sonahat	CHC	Smt. S. Parihar	LHV	No		

District	Site	Type	HR Name	Designation	Training Attended	Last Training Attended
	Sonhari	PHC	Shri. N. R. Karolia	Componder	No	
Mahasamund	Bagbahara	CHC	Smt. N. Mardeen	LHV	Yes	2003
			Smt. N.N. Sarpal	NMA	No	
	Baloda (Saraipali)	PHC	Shri. K.L. Dedsena	Dresser	Yes	2004
	Baroli	PHC	Smt. N. Jwel	ANM	No	
	Basna	CHC	Ku. Omkar Thayat	ANM	No	
	Bhitideah	PHC	Smt. Manna	ANM	No	
	Bhurkoni	PHC	Ku. K. Dewagan	ANM	No	
			Shri. C.R. Sahu	Dresser	No	
	Birkoni	PHC	Ku. Radha Nayak	LHW	No	
	CS office	PHC	Smt. Chandrakar	LHV	Yes	2004
			Smt. S. Yadaw	ANM	Yes	2004
	DHQ Mahasamund	DHQ	M. Goswami	LHV	Yes	March- 2004
	Jhalap	PHC	Shri. Deepak Tiwari	MPW	No	
			Smt. P. Kushwaha	LHV	Yes	2003
	Jhara	PHC	Smt. Meena Chandrakar	ANM	No	
	Khallari	PHC	Smt. Meena Chandrakar	LHV	No	
	Khatti	PHC	Shri. S.L. Kanoje	MPW	No	
	Komakhan	PHC	Smt. E. Guha	LHV	Yes	2003
	Pathsendari	PHC	Smt. Deewan	ANM	No	
	Pirda	PHC	Shri. Y.K. Dube	Componder	No	
			Smt. S. Sant	LHV	Yes	2004
	Pithora	CHC	Smt. N. Tandi	LHV	No	
			Smt. R. Nand	Staff Nurse	Yes	2003
	Sankara	PHC	Shri. Rajesh sinh	H/S	No	
			Smt. K. Banswal	LHV	Yes	2004
	Saraipali	CHC	Syed Asif	Dresser	Yes	2004
	Tumgaon	PHC	Ku. M. Varma	ANM	Yes	2003
smt. Janvant			LHV	Yes	2003	
Raigarh	Baramkela	PHC	Shri. R.K. Panigrahi	MPW	No	
				MPW	No	
	Chapla	CHC	Shri. G.L. Jangde	B.E.T.O	No	
				Smt. P.Khs	LHV	Yes
	Dharamjaigarh	CHC	Dr. Arjun Singh	M.O	No	
				Smt. Kushul Singh	Staff Nurse	Yes
	Gharghoda	CHC	Smt. A. Sharma	LHV	Yes	2003
	Jobi	PHC	Shri. P. Rathi	MPW	No	
	Kharsia	CHC	Mr. P.D. Mahant	Supervisor, NMA	Yes	2003
	Kodatarai	PHC	Smt. Gulsan Chauhan	ANM	Yes	2003
	Kosir	PHC	Shri. R.D. Sahu	R.H.S	No	
	Lailunga	CHC	Smt. S. Ohdar	LHV	No	
				LHV	Yes	2003
	Loing	PHC	Shri. J.K. Chauhan	MPS	Yes	2003
	Mugdega	PHC	Smt. Siba Ohdar	LHV	Yes	2003
	Nandeli	PHC	S.K. Sarvanshi	Staff Nurse	Yes	2003
				Shri. L.d. Patel	Dresser	Yes
Pussor	CHC	Dr. V.S. Rathia	BMO	No		
			Shir. N. Deoda	Supervisor, N.M.A	No	

District	Site	Type	HR Name	Designation	Training Attended	Last Training Attended
	Saranggarh	PHC	Shri. M.R. Kathoutiya	Compunder	Yes	2003
			Shri. P. Thowath	Staff Nurse	Yes	2004
	Sariya lengha	PHC	Smt. Govindum	LHV	No	
	Tamnar	CHC	Kh. J. Jacob	LHV	No	
	UFWC (HQ) Raigarh	PHC	Smt. P. Gupta	S/N	No	
				S/N	No	
	Vijayanagar	PHC	Shri. Asha Balaji	LHV	Yes	2003
Vijayanagar (Kapu)	CHC	Smt. P. Ming	LHV	Yes	2003	
Raipur	Abhanpur	CHC	Shri. S.S.sahu	Supervisor	Yes	2003
			Smt. B. Gupta	LHV	Yes	2003
	Amlimandar	PHC	Smt. K.K. Verma	BEE	Yes	2003
	Arang	CHC	smt. U. Viswas	ANM	No	
	Baloudabajar (Lavan)	CHC	Ku. Andress	LHV	Yes	2003
	Bhatapara	CHC	Shri. K. chelak	LHV	Yes	2003
	Bhatgaon (Bhilaigarh)	PHC	Smt. Kanti duba	LHV	Yes	2003
	Bilaigarh	CHC	Smt. J.R. Jhurwe	JMI	No	
			Smt. Sheela Jaguddle	LHV	No	
	Champaran	PHC	Smt. S.K. Sahema	LHV	Yes	2004
	Chandkhuri farm	PHC	Smt. P.L. Yadav	LHV	Yes	2001
	Chhura	CHC	Smt. S. Sarkar	LHV	Yes	2003
				LHV	No	
	Deobhog	CHC	Smt. J. Sonwani	LHV	Yes	2003
	Dharsiwa	CHC	Ku. Shikha barlo	Staff Nurse	No	
			SmtPurnima sahu	LHV	Yes	2002
	Dr. Ambedkar Hospital	PHC	Smt. R. Joshi	Staff Nurse	No	
	Gariyaband	CHC	Smt. S. Sarkar	LHV	Yes	2003
	Hathband	PHC	Smt. S. Sahu	ANM	Yes	2003
	Jhakarpara	PHC	Smt. Sonwani	LHV	Yes	2003
	Kasdol	CHC	Smt. Malakar	LHV	Yes	2003
	Khilora	PHC	Shri. Y.S. Bhatt	Compunder	Yes	2004
			Smt. Kushum Ghosh	ANM	Yes	2004
	Kopra	PHC	Shri. G.R. Namange	Compunder	No	
	Lavan	PHC	Smt. S. Mainikpoy	ANM	Yes	2003
	Mainpur	CHC	Shri. A.Ray	Staff Nurse	Yes	2003
	Mandhar	PHC	Shri. S. Khan	LHV	Yes	2003
	Mandir Hasid	PHC	Smt. S. Karim	LHV	Yes	2003
	Nawapara	PHC	Smt. Lal	Staff Nurse	Yes	2003
			Smt. Permar	Staff Nurse	No	
			Smt. S. David	Staff Nurse	No	
	Nipniya	PHC	Ku, P. Das	LHV	Yes	2003
			Smt. Seema dhirhi	Staff Nurse	Yes	2003
	Palari	CHC	Shri. R.R. Sinha	NMA	No	
	Panduka	PHC	Smt. M. Dhruhu	LHV	Yes	2003
	Pharphoud	PHC	Smt. Anjali Majumdar	LHV	Yes	2003
	Phingeshwar	CHC	Shri. B. S. Gantam	JMI	Yes	2003
			Smt. S. Chowbey	LHV	Yes	2003
	Piprachedi	PHC	Smt. B.S. Thakur	Dresser	No	
	Rajim	PHC	shri. S.K. yadu	Compunder	Yes	2003
Risda	PHC	Shri. J.M. Karketta	LHV	No		



District	Site	Type	HR Name	Designation	Training Attended	Last Training Attended
			Smt. Santi shrishie	ANM	No	
	Rohansi	PHC	Smt. H.M. Kasyap	LHV	No	
	Sarsiwa	PHC	Shri. K Verma	LHV	Yes	2003
	Simga	CHC	Smt. Mangu verma	Staff Nurse	No	
			Smt. Vandama Giduda	Staff Nurse	Yes	October - 2003
	Tilda	CHC	Smt. M. Cerma	LHV	Yes	2005
			Smt. M.R. Yadav	Supervisor	Yes	2005
	UFWC Kalibadi	PHC	Shri. H.C. Agrawal	Vaccinator	Yes	2003
Urmal	PHC	Shri. K. K. verma	ICBEE	Yes	2003	
Rajnandgaon	Aasara	PHC	Shri. D.D.chandrawanshi	MPW	No	
			Smt. Hemkant Chandrawanshi	ANM	Yes	March -2005
	Ambagarh Chowki	CHC	Shri. N. Jureshiya	LHV	Yes	March -2005
			Shri. R.N. Singh	H.A	Yes	March -2005
	Badgaon (Dongargaon)	PHC	Shri. N.S. Malgramr	RHO	No	
			Smt. I. Choukan	ANM	No	
	Basadi	PHC	Shri. D.P. mankev	RHO	Yes	March -2005
			Shri. T.R. Nilmalker	Componder	No	
	Bharitola	PHC	Shri. Suresh Sahu	RHO	Yes	March -2005
			Smt. R. Baise	Staff Nurse	No	
	Chilhati	PHC	Shri. R.M. Sharma	RHO	No	
			Smt. S.B. Chandraker	LHV	Yes	March -2005
	Chuikhadan	CHC	B. Shrivastav	ANM	No	
			I. Verma	ANM	Yes	April- 2005
	Churiya	CHC	Shri. B.L. sagaray	NMA	No	
			Shri. P.R. Ranat	NMA	Yes	March -2005
	Dangarh	PHC	D.S. Yadav	Componder	Yes	March -2005
			Rohit Kumar Sahu	RHO	No	
	DHQ Rajnandgaon	DHQ	Shri. R.C. Jaiswal	Store Keeper	Yes	March -2005
			Shri. R.K. Jha	Peon	No	
	Dongargaon	CHC	Ku.V. Takshenday	LHV	No	
			Smt. A. Salame	LHV	Yes	March -2005
	Dongargarh	CHC	Shri. R.L. Sahu	NMS	No	
			Shri. S.R. Mahanadi	Ward boy	No	
	Dugrideahkala	PHC	Shri. K.K. Sharma	RHO	No	
			Smt. S.M. Singh	ANM	No	
	Ganadhatola	PHC	Shri. K.K. Sinha	Health worker	No	
			Smt. S.K. Jacob	ANM	Yes	March -2005
	Gandai	PHC	Smt. A. Thomas	LHV	Yes	March -2005
			Smt. R. Veshnov	ANM	No	
	Ghumka	CHC	Shri. S.R. Karethe	H.A	No	
			Shri. T.R. Devangan	H.A	Yes	May -2005
	Gotatola	PHC	Shri. Virsingh Verma	Dresser	Yes	March -2005
			Smt. D. Sahu	ANM	Yes	March -2005
	Jalabandha	PHC	J. patel	NMA	No	
			Kn. K. Vaiday	LHV	Yes	April- 2005
Khadgaon	PHC	Shri. B.L. Sahu	NMA	No		
		Smt. L. Corner	LHV	Yes	March -2005	

District	Site	Type	HR Name	Designation	Training Attended	Last Training Attended
	Khairagarh	CHC	Ka. K. Dongaray	LHV	Yes	April- 2005
			Shri. S. Lal	Dresser	No	
	Kodikasan	PHC	Shri. V.C. Gupta	Componder	No	
			Smt. H.B. Siddhgue	LHV	No	
	Kumardha	PHC	Shri. Manohar thakur	Supervisor	No	
			Smt. Amrita Jain	ANM	No	
	Lalbahadurnagar	PHC	Shri. M.L. Sahu	ANM	No	
			Shri. Y.K. Sahu	Dresser	No	
	Manpur	CHC	Ku. S. Nishad	LHV	Yes	March -2005
			Shri. R.K. Mandavi	RHO	No	
	Mohla	CHC	Smt. A. Lal	Pharmacist	Yes	March -2005
			Smt. S. Agrawal	Staff Nurse	No	
			Smt. S.S. Sanger	B.E	No	
	Mohra	PHC	Purnima sahu	ANM	No	
			Smt. J. Dam	LHV	No	
	Murmunda	PHC	H.S. Bhardwaj	Dresser	No	
			Smt. Veshakha Vaiday	Staff Nurse	Yes	March -2005
	Ondhi	PHC	Ku. A. Barkar	LHV	No	
			Smt. Chandrakala Dhurmay	ANM	Yes	March -2005
	Ramatola	PHC	Ku. R. Sahu	ANM	No	
			L.N. Verma	Ward boy	No	
			Smt. A. Ganver	LHV	No	
	Rangkatara	PHC	Smt. L. Jaswani	ANM	No	
	Salehvara	PHC	Shri. S. Nag	Pharmacist	No	
			Smt. R. Sharma	LHV	No	
	Somni	PHC	N. Vahane	LHV	Yes	April -2005
			Shri Laxmi Chand Gokhe	Ward boy	No	
	Surgi	PHC	Smt. V. Humanay	LHV	No	
	Tappa	PHC	Shri. G. Khan	Dresser	Yes	March -2005
			Smt. I. Yadav	ANM (RCH)	No	
Udaipur	PHC	Smt. Sema Thakur	ANM	No		
UFHS	PHC	Ku.L. Rajat	ALV	Yes	March -2005	
		Smt. L. Thakuv	LHV	No		
Umarwahi	PHC	Shri. S.K. mandloi	peon	No		
		Shri. Sureshpuri Goswami	RHO	Yes	March -2005	
Sarguja	Aara (Rajpur)	PHC	Smt. B. Dewangan	LHV	No	
	Ajabnagar	PHC	Smt. S. Samuel	LHV	No	
	Bafoli	PHC	Shri. Santosh Singh	RHO	No	
			Smt. R. Paswan	LHV	Yes	2003
	Balrampur	CHC	Dr. R.S. Markam	BMO	No	
			Shri.B.R. Shandil	V/S	Yes	2003
			Smt. S. Sen	LHV	Yes	2003
	Bandana	PHC	Shri. Ajay Kr. Ravi	RHO	Yes	2003
			Smt. Anima kerketta	LHV	No	
	Bargideh	PHC	Shri. M.L. Khare	S.I	No	
Bariyo	PHC	Shir. Chain sai Bisen	Supervisor	No		
		Smt. L. Minj	LHV	No		

District	Site	Type	HR Name	Designation	Training Attended	Last Training Attended
	Barkela	PHC	Shri. Santosh Singh	RHO	No	
	Bartikalán	PHC	Shri. P.R. Parihar	Componder	No	
			Smt. P. Minj	LHV	Yes	2003
	Basdei	PHC	Shir. D.K. Mahant	Componder	No	
	Bataikela (Batoli)	PHC	Smt. J. Sharjahan	LHV	No	
			Smt. S. Thomas	LHV	No	
	Batoli	CHC	Smt. S. Thomas	LHV	Yes	2003
	Batra	PHC	Dr. J.B. Singh	M.O	No	
	Bhatgaon (Bhayadhan)	PHC	Smt. Ranjan	LHV	Yes	2003
	Bhayadhan	CHC	Smt. B.S. Markam	LHV	Yes	2003
	Biharpur Chandni	PHC	Smt. Sushila Ekka	ANM	Yes	2003
	Bishrampur (Surajpur)	PHC	Shri. N.R. Gupta	componder	Yes	2003
	Chalgali	PHC	Shri. B.N. Gupta	RHO	Yes	1993
	Chandrameda	PHC	Dr. Paikra	BMO	No	
	Darima	PHC	Smt. B. Gosnami	ANM	No	
			Smt. E. Bakhla	LHV	Yes	1995
	Depadeah	PHC	Shri. Jainath Lakra	RHO	Yes	2003
			Smt. J. Chakraborty	ANM	No	
	Devnagar	PHC	Smt. A. Kujur	LHV	Yes	2003
	Dharampur	PHC	Smt. L. Kori	LHV	No	
	Dhodhagaon	PHC	Smt. K. Yadav	ANM	No	
	Dhourpur	CHC	Shri. M.L. Kharey	S.I.	Yes	2003
	DHQ Sarguja	DHQ	N. Majumdar	Refrigerator Mechanic	No	
			R.P. Tripathi	LDC	No	
			Shivnath	Peon	No	
	Dumardeh	PHC	Shri. M.L.Kharey	S.I	No	
	Dumarkhola	PHC	Smt. C. Tekam	LHV	Yes	2003
	Ganeshpur	PHC	Shri. S. S. Singh	RHO	Yes	2003
	Ghutarapara	PHC	Smt. B. Ekka	LHV	No	
			Smt. S. Thomas	LHV	No	
	Gopalpur	PHC	Smt. B. Dewangan	LHV	No	
	Gorpani	PHC	Dr. Paikra	BMO	No	
	Gumgara	PHC	Shri. M.R. Sarthi	Componder	No	
			Smt. Pushpa Xalxo	ANM	No	
	Guruma	PHC	Smt. K. Yadav	ANM	No	
	Jamwantpur (aaragahi)	PHC	Smt. S. Joshi	LHV	No	
	Jawaharnagar	PHC	Dr. T. Sai	BMO	No	
	Kamalpur	PHC	Smt. G. halder	LHV	No	
	Kamari	PHC	Dr. Smt. Kujur	BMO	No	
	Kamleshwarpur	PHC	Shri. R. Majhi	LHV	No	
			Shri. U. Tenjina	RHO	No	
	Kandarai	PHC	Shri. D.K. Pradhan	Componder	No	
	Karsi	PHC	Shri. C.K. Sinha		No	
			Smt. P.Toppo	LHV	No	
	Kedma	PHC	Smt. Sumitra prajapati	LHV	No	
	Ketaka	PHC	Shri. D.K. Pradhan	Componder	No	
	Kusmi	CHC	Smt. Jagni Lakra	ANM	Yes	2003
	Lakhanpur	CHC	Shri. Jitesh Kr. Mishra	RHO	Yes	2003
	Lanjit	PHC	No anybody trained			

No

District	Site	Type	HR Name	Designation	Training Attended	Last Training Attended
			person for maintain c.c.			
	Lehpatra	PHC	Shri. Sitaram	Componder	No	
			Smt. S. Toppa	LHV	No	
	Lundra	PHC	Shri. R.S. Maravi	Componder	No	
			Smt. L. Xalxo	LHV	Yes	2003
	Maharajganj	PHC	Smt. Anita Neelam	LHV	Yes	2003
	Narbadapur	PHC	Shri. Hariprasad	Componder	Yes	2003
			Smt. J. Barla	LHV	Yes	2003
	Odgi	CHC	Smt. M. Thomas	LHV	Yes	2003
			Smt. S. Ekka	LHV	Yes	2003
	Pasta	PHC	Dr. G.S. Paikra	M.O	No	
			Shri. S.K. Mahant	Componder	No	
			Smt. Saroj Kacchaj	LHV	No	
	Pratapur	CHC	Shri. M.K. Sidar	Dresser	Yes	2003
			Smt. M.M. Sidar	LHV	Yes	2003
	Premnagar	CHC	Shri. I.S. Maravi	BEEO	Yes	2003
	Raghunathpur	PHC	Shri. R.K. mishra	Supervisor	No	
			Smt. S. Yohan	LHV	No	
	Rajpur	CHC	Smt. B. Dewangan	LHV	Yes	2004
	Ramanujganj	CHC	Shri. C.K. Rathiya	BEEO	Yes	2003
			Shri. Y.J. Lakra	LDC	Yes	2003
	Ramanujnagar	CHC	Shri. A.S. uchhariya	L.T	Yes	2003
			Smt. Rajani Toppo	Staff Nurse	Yes	2003
	Ramchandrapur	PHC	Shri. C.K. Rathiya	B.E.E.O	No	
			Shri. R.R. Sahu	NMA	No	
	Ramkola	PHC	Shri. C.K. Sinha	Componder	No	
			Smt. K. Maravi	LHV	Yes	2003
	Revati	PHC	C.K. Sinha	Componder	No	
			Smt. S. Yadav	LHV	No	
	Revatpur	PHC	Smt. B. Dewangan	LHV	No	
	Salka (Aghina)	PHC	Smt. N.Toppo	LHV	Yes	2003
	Samri	PHC	Dr. T.Sai		No	
	Sanawal	PHC	Shrimati Shivani Xalxo	ANM	No	
	Shankargarh	CHC	Smt. J. Chakraborty	ANM	Yes	2003
			Smt. P. Toppo	LHV	Yes	2003
	Sitapur	CHC	Smt. Kalpana Yadav	ANM	Yes	2003
	Sonpur	PHC	Smt.F.M. Ekka	LHV	Yes	2003
	Sukheri	PHC	Shri. U.K. Mukherjee	Dresser	Yes	2003
	Surajpur	CHC	Shri. S.K. pradhan	Componder	Yes	2003
	Udaypur	CHC	Shri. R.D. Yadav	RHO	No	
			Shri. S.P. Verma	componder	Yes	2003
	Umreshravpur	PHC	Shri. S.D. Sahu	S.I	Yes	2003
	Wadarfarnagar	CHC	Shri. P.S. Chauhan	V.S	Yes	2003

**APPENDIX R**

**STAFF EVALUATION CRITERIA**

## STAFF EVALUATION CRITERIA

Description	Positive response	Negative response	No response
<b>Knowledge of cold chain</b>			
Awareness of non-exposure of equipment to sunlight.	10%	0%	0%
Change thermostat setting of equipment according to ambient temperature and need.	20%	0%	0%
Defrost equipment at regular intervals.	20%	0%	0%
Site is adequately ventilated and maintained	10%	0%	0%
Equipment has been mounted and is above floor level	10%	0%	0%
Equipment has been secured and locked	10%	0%	0%
Equipment well-maintained and cleaned	20%	0%	0%
<b>Handling of vaccine</b>			
Maintains vaccine stock register	20%	0%	0%
Maintains vaccine indent challans	5%	0%	0%
Damaged vaccine recorded and reported	15%	0%	0%
Ice-packs conditioned	15%	0%	0%
Early expiry date and open vials are kept separately to 'use first'	15%	0%	0%
Know the maximum time for using reconstituted vaccine (BCG and Measles)	15%	0%	0%
Take adequate action in case of failure of CC systems	15%, 5%	0%	0%
<b>Awareness of vaccine and temperature norms</b>			
Placacement of T- Series vaccine in refrigerator	20%	-20%	0%
Vaccine was found to be correctly placed in refrigeration unit	20%	0%	0%
Air circulation was adequate around stored vaccine vials	5%	0%	0%
Knowledge of ILR hold-over time without electricity	15%, 5%	0%	0%
Knows what to do if ILR/DF temperature rises above 10°C (check)	20%	0%	0%
Knows what to do if ILR temperature falls below 2°C	20%	0%	0%
<b>Maintenance of equipment</b>			
Changes thermostat setting of equipment according to ambient temperature.	10%	0%	0%

<b>Description</b>	<b>Positive response</b>	<b>Negative response</b>	<b>No response</b>
Equipment defrosted at required intervals.	20%	0%	0%
Equipment not exposed to direct sunlight	10%	0%	0%
Equipment maintained and cleaned	10%	0%	0%
Equipment has been mounted at the correct level	20%	0%	0%
Vaccine tray is available inside ILR	20%	0%	0%
<b>Maintenance of store</b>			
Site has been adequately ventilated and maintained	20%	0%	0%
Equipment has been secured and locked	20%	0%	0%
Equipment not exposed to direct sunlight	20%	0%	0%
Foam cover available in Vaccine Carrier	20%	0%	0%
Vaccine tray is available inside ILR	20%	0%	0%
<b>Maintenance of records</b>			
Maintains vaccine stock register	70%	0%	0%
Maintains vaccine indent challans	30%	0%	0%
<b>Knows how to read the thermometer</b>			
Attendant can read the thermometer	20%	0%	0%
Staff knows the correct vaccine storage norms for ILR and DF	80%, 30%	0%	0%
<b>Temperature recording</b>			
Attendant can read the thermometer	20%	0%	0%
Temperature booklet is available	20%	0%	0%
Temperature booklet is maintained	60%	0%	0%
<b>Follows immunisation plans</b>			
Size of U 5 population is known	20%	0%	0%
Maternal population is known	20%	0%	0%
No. of sub centres covered by PHC is known	20%	0%	0%
Vaccine is fetched on a scheduled day	20%	0%	0%
Immunisation is undertaken on a scheduled day	20%	0%	0%
<b>Staff has been supervised</b>			
Failure of CC equipment has been reported to designated authorities	50%	0%	0%
An individual has been designated to supervise the cold chain	25%	0%	0%
Failure of generator has been reported to designated	25%	0%	0%

<b>Description</b>	<b>Positive response</b>	<b>Negative response</b>	<b>No response</b>
authorities			
<b>Disposal of damages vaccine and medical waste</b>			
Damaged vaccine is recorded and reported	25%	0%	0%
Damaged vaccine is safely disposed or returned to district store	50%	0%	0%
Sharp disposal method exists (safety box or hub cutter)	10%	0%	0%
Sharp disposed of safely (buried/burnt)	15%	0%	0%
<b>Staff Can interpret VVM</b>			
Staff is aware of VVM	25%	0%	0%
Checks VVM status on arrival of vaccine (only if answer to question 1 is yes)	25%	0%	0%
Checks VVM status before vaccination (only if staff is aware of VVM)	25%	0%	0%
VVM training provided to vaccinators (only if staff is aware of VVM)	25%	0%	0%
<b>Performance of duties</b>			
Damaged vaccine disposed of safely or returned to district store	10%	-10%	0%
Staff cuts the needle after vaccination	0%	-5%	0%
Sharp disposed of safely (buried/burnt)	5%	-5%	0%
Damaged vaccine for any reason recorded and reported	5%	-5%	0%
Equipment has been secured and locked	10%	0%	0%
Equipment maintained and cleaned	10%	-10%	0%
Adequate action taken in case of failure of CC systems	10%	-10%	0%
Temperature booklet maintained	10%	-10%	0%
Maintains vaccine stock register	10%	-10%	0%
Vaccine placed correctly in the refrigeration unit	5%	-5%	0%
Air circulation adequate around stored vaccine	5%	0%	0%
Early expiry date and open vials are kept separately to 'use first'	10%	0%	0%
Knows how to do shake test	10%	0%	0%
<b>Knows Shake test</b>			
Knows how to do shake test	100%	0%	0%



**APPENDIX S**  
**DETAILED EVALUATION OF STAFF**

## DETAILED EVALUATION OF STAFF

District	Site	Knowledge of Cold Chain	Handling of Vaccine	Awareness of vaccine temperature Norms	Maintenance of Equipment	Maintenance of Store	Maintenance of Records	Knows how to interpret Thermometer	Temperature Recording	Follow Immunization Plans	Staff has been supervised	Waste Disposal	Aware Shake test	Performance of duties	Can Interpret VVM
Bastar	Aadawal	100	70	90	80	60	100	50	80	100	75	25	100	90	25
	Abujhamand (Orchha)	100	70	90	100	80	100	50	100	60	75	65	100	95	100
	Anantpur	60	55	75	30	60	70		60	80	75		100	60	
	Badedongar	80	70	70	50	40	100	20	20	100	50	25	100	65	100
	Badekilepal	90	25		80	40	100		80			65		40	100
	Baderajpur	100	75	100	80	60	100	50	100	100	75	75	100	100	100
	Bahigaon	100	55	100	100	80	70	50	100	100	75	75	100	100	100
	Bakawand	90	85	25	80	80	100	20	100	100	75	15	100	90	100
	Banoon		45	50	20	20		30		100	75		100	45	
	Banskot	70	75	100	80	60	100	50	20	100	75	75	100	75	100
	Bastar	100	70	85	100	80	100	50	100	60	75	75	100	95	100
	Benur	80	25		70	60	100		80			65		50	100
	Bhanpuri		70	70	20	40	100	50	20	60	75	65	100	60	100
	Bishrampuri	70	50	100	90	60	30	20	100	80	75	75	100	80	50
	Chandragiri	20	15	20	10	40				100	75		100	-55	100
	Chaparbhanpuri	70	45	100	80	60		50	20	100	75	25	100	60	100
	Chipawand	60	50	100	80	40	30	50	20	100	75	50	100	45	100
	Chotedongar	100	85	90	100	80	100	50	100	60	75	90	100	105	100
	Darbha	30	85	50	50	60	100	50	100	100	75	40	100	70	100
	Dhanora (Keskal)	60	55	70	70	80	100	30	20	80	75	15		30	100
	Dhanora (Narayanpur)									60	25	25		5	100
	DHQ Jagdalpur														
	Gundagaon	100	70	100	100	100	100	50	20	100	50	75	100	80	100
	Kachnar	30	55	45	50	40	100	50	40	100	75		100	35	100
	Kalepal		45	100	20	20		50	20	100	75		100	45	
	Kesarpal	50	85	20	70	60	100	30		80	75	65	100	40	100
	Keshkal	80	85	70	80	60	100	20	100	100	100	25	100	75	100
	Kohkameta	90	55	30	80	40	100	100	100	40		15		35	100
	Kondagaon		45	45	20	20		50	100	60	75		100	30	75
	Kumrahwand	10	45	100	10	20		30		100	50		100	25	100
	Lohandiguda	100	55	100	100	100	100	20	100	100	75	15	100	90	100
	Makdi	100	85	100	100	100	100	50	100	80	75	90	100	105	100
	Mardapal	60	15		70	80				80	75	90		20	
	Mardoom	100	70	100	80	80	100	20	20	60	75	65	100	75	100
	Nagarnar	60	30	25	50	60		50	20	100	50	25		5	75
	Nangur	70	70	95	80	80	100	50	100	100	75		100	55	100
	Narainpur	100	85	90	100	80	100	50	100	100	75	90	100	105	100
	Neganar	50	45	25	50	40		50	20	60	75	65	100	40	100
	Pharasgaon	100	70	100	100	80	100	50	80	100	75	75	100	100	100
	Sampur	50	60	15	50	20	100			100	75	25		25	
	Siganpur	100	60	100	100	100	100	50	20	100	75	75	100	75	100

District	Site	Knowledge of Cold Chain	Handling of Vaccine	Awareness of vaccine temperature Norms	Maintenance of Equipment	Maintenance of Store	Maintenance of Records	Knows how to interpret Thermometer	Temperature Recording	Follow Immunization Plans	Staff has been supervised	Waste Disposal	Aware Shake test	Performance of duties	Can Interpret VVM
	Titargaon	10	30	65	30	60		50	20	100	25	75	100	35	100
	Tokapal	80	85	100	70	80	100	50	100	100	75	100	100	95	100
Bilaspur	Bilha	100	55	90	100	100	100	20	100	80				65	75
	Chakarbhata		55	90	20	40	100		80	40	75		100	65	100
	CIMS Medical college	70	80	70	80	80	70	20	100	20	75	25	100	90	100
	Civil Hospital (Bilha)	100	85	90	100	100	100	20	100	40	75	100	100	105	100
	Dashrangpur		15							60		10		-15	
	DHQ Bilaspur	100	25		80	60	100		80					40	100
	Ganiyari	100	55	45	80	60	100	20	100	40				65	100
	Gorella (1)	80	25	85	60	60	100	20	100	40				55	100
	Kota	100	40	85	80	60	100	20	100	40			100	75	100
	Loremi	90	40	25	100	80	100	20	100	60			100	65	100
	Marwahi	80	40	45	60	60	100	20	100	80			100	75	100
	Mastori	100	40	90	80	60	100	20	100	40	50	25	100	80	100
	Mungeli	100	85	50	100	80	100	20	100	80		100	100	105	100
	Pathria	90	25	45	60	60	100	20	100	40			100	65	100
	Pendra	90	40	85	80	40	100	20	100	40			100	65	100
	Ratanpur	90	55	25	100	80	100	20	100	40			100	65	100
	Sakari	80	40	25	70	60	100	20	100	40			100	75	100
	Salhegori														
	Saragaon	100	70	90	100	80	100	20	100	100	75		100	80	100
	Sepat	100	55	85	80	60	100	20	100				100	85	100
Takhatpur	60	55	20	80	40	100		80		75	100		60	100	
Dante-wada	Arahanpur									100	25	50		10	75
	Badebacheli	100	85	100	100	80	100	50	100	60	75	75	100	100	100
	Badegudra		40	40	20	20	30	20	20	100	75	65	100	45	100
	Badetumnar	100	65	100	100	80	70	50	80	40	75	75	100	100	100
	Barsur	80	70	100	80	80	100	50	100	100	75	75	100	100	100
	Basagunda		45	100				50	40	100	75	65	100	30	100
	Bhairamgarh	90	50	100	90	60	30	50	100	100	75	75	100	90	100
	Bhopalpatnam	100	5		80	60	30		20	40	25	75		5	100
	Bhusaras		30	60				50	20	100	25	15	100	40	100
	Bijapur	80	45	60	80	80		50	40	100	75		100	10	100
	Burdi									80	25	65		-5	100
	Chhindgarh	100	70	100	100	100	100	30	80	100	75	75	100	100	100
	Dantewada		70	100	20	20	100	50	100	100	75	60	100	75	100
	DHQ Dantewada														
	Dornapal	60	65	100	60	80	70	50	20	100	75	75	100	60	100
	Gadiras	100	70	100	100	80	100	50	100	100	75	65	100	100	100
	Geedam	100	70	100	100	100	100	50	20	100	50	65	100	80	100
	Goreli		50	60				30	80			90	100	30	100
Ilmidi		50	60				30	50	40	40	75		100	25	

District	Site	Knowledge of Cold Chain	Handling of Vaccine	Awareness of vaccine temperature Norms	Maintenance of Equipment	Maintenance of Store	Maintenance of Records	Knows how to interpret Thermometer	Temperature Recording	Follow Immunization Plans	Staff has been supervised	Waste Disposal	Aware Shake test	Performance of duties	Can Interpret VVM
	Jagargunda	30	35	60	30	80		50	20	100	75	15	100	40	
	Katekalyan	100	70	100	100	100	100	50	100	100	75	75	100	95	100
	Kerlapal	90	70	100	80	80	100	50	100	100	75	75	100	100	100
	Kirandul	90	70	100	90	60	100	50	40	100	25	60	100	70	100
	Konta	90	55	60	90	60	100	50	20	80	25	75	100	65	100
	Kuwakonda	80	50	100	90	40	30	50	100	100	75	60	100	75	100
	Madderh	100	5		80	60	30		20			65		5	75
	Metapal									40		65		10	50
	Palanar	70	60	60	80	60		20	20	40	75	65	100	50	100
	Pamed		50	60			30	100	20	100	75		100	25	100
	Pharaspal	10	70		30	40	100			100		40	100	15	100
	Podung									80					
	Potali									100	25	50		5	75
	Pusgudi		30	60				50	20	100	50		100	25	75
	Puspal	100	65	100	100	100	70	50	100	100	75	75	100	100	100
	Sameli	100	50	100	80	60	30	50	20	80	75	65	100	60	100
	Sukma	90			80	40				80	25			10	
	Surnar		35	45		20	30	30		80	25	65	100	45	100
	Tarlagunda											65		10	100
	Tompal	70	60	60	70	80		50	40	80	75	100	100	85	100
	Usur		70	60	20	20	100	50	40	100	75	65	100	50	100
Dhamtari	Badikerali	60	55	65	70	80	100			100	75		100	20	100
	Belergaon	100	70	85	80	60	100	50	80	100	50	15		80	
	Bhatgaon (Dhamtari)		15							100			100	-10	100
	Dhamtari (Gujra)	70	70	70	70	40	100	30	60	100	50	50		60	75
	DHQ Dhamtari	50	25		40	40	100		60			25		10	
	Dugli	60	70	45	70	80	100	50	20	100	50	65		70	100
	Gattasilli									80		15		5	
	Jijamgaon	30	65	50	50	60	70	30	60	100	50	15		60	100
	Kandel		15							100		15		5	100
	Keregaon	60	50	5	50	60	70	20	80	100		15		25	100
	Kurud	80	70	45	90	80	100	20	80	100	50	15	100	90	100
	Magarlod		70	80	20	20	100	50	100	80	75		100	50	100
	Nagari (Sihava)	50	70	60	50	80	100	50	80	100	50	65		60	100
	Sihava									100		15		5	100
	Sirri									100				-5	100
Durg	Ahiwara	100	70	85	80	60	100	50	100	100	50	65	100	95	100
	Amadula									100		50		5	100
	Arjunda	80	70	80	70	60	100	50	80	100	50	65	100	75	100
	Balod	90	70	90	100	60	100	50	80	100	75	15	100	60	100
	Bemetara	70	20		70	40	70		60	100		50		45	75
	Berla	100	70	85	80	60	100	50	80	100	50	65	100	95	100
	Bhilai 3	100	35	60	100	80	70	50	80	100		15		55	100
	Bhilai sector 8		25		20	20	100	20	20	40		50		-5	100

District	Site	Knowledge of Cold Chain	Handling of Vaccine	Awareness of vaccine temperature Norms	Maintenance of Equipment	Maintenance of Store	Maintenance of Records	Knows how to interpret Thermometer	Temperature Recording	Follow Immunization Plans	Staff has been supervised	Waste Disposal	Aware Shake test	Performance of duties	Can Interpret VVM
	Chandanu									100					100
	Chhirha									100	25				100
	Chikhalakasa	100	45	100	80	60		50	20	100	50	65	100	75	100
	Dadhi	60	65	100	60	80	70	50	100	100	50	65	100	95	100
	Dargaon	70	55	45	70	40	100	20	80	100		65		85	100
	Dhamdha	60	65	45	40	60	70	20	100	100	50	65	100	80	100
	DHQ Durg		35	100	20	20		50	20	40			100	45	
	Dondi	50	65	100	30	60	70	50	100	100	50		100	70	100
	Dondi Lohara	100	70	85	80	60	100	50	100	100	50	65	100	95	100
	Durg OPD	60			50	60						65		10	100
	Gadadih	70	70	85	80	60	100		60	100	50	65	100	95	100
	Ghotiya									100					100
	Gujra		65				70			100		90		25	50
	Gunderdehi	60	70	65	70	80	100	100	100	100	75	15	100	45	100
	Gundheli	80	45	60	90	80		50	20	100	50	65	100	75	100
	Gurur	30	30	45	60	20		20	20	100	50	65	100	55	100
	Hanoda	80	65	100	80	80	70	50	100	100		65	100	85	100
	Jheet	70	70	100	90	60	100	50	80	100	50	75	100	85	100
	J-Sankara									100					75
	Kalangpur	80	65	60	70	80	70	50	100	100		65	100	95	100
	Khandsara	90	70	100	80	60	100	20	100	80	50	65	100	85	100
	Khursipar	30	45	60	50	40		50	20	100		50	100	45	100
	Khursul									100		15		5	100
	Litiya (Bori)	80	45	60	70	60		50	40	100	50	65		45	100
	Mahud	90	50	85	80	40	70	30	80	100	50	65	100	85	100
	Mangchua	80	45	60	70	60		50	80	100	50	65	100	75	100
	Maro	40	50	60	30	40	70	50	80	100	50	65	100	65	100
	Murmunda (Dhamdha)	100	70	85	100	80	100	50	80	100	50	15	100	90	100
	Nagpura									100		15		5	100
	Nahanda	30	45	25	30	20		50	100	100		65		25	100
	Nandghat	70			70	40						65		10	100
	Nankatti	100	50	85	80	60	70	50	100	100	50	65	100	95	100
	Nawagarh	70	70	45	90	80	100	50	100	100	50	50	100	80	100
	Nikum	70	65	85	80	60	70	20	100	100	50	65	100	75	100
	Palari (Gurur)	80	55	90	90	80	100	50	80	80	50	50	100	75	100
	Patan	80	70	85	80	20	100	50	80	100	50	15	100	80	100
	Pendrawan	80	65	45	70	60	70	20	80	100	50	65	100	95	100
	Perpodi	50	65	85	70	60	70	50	100	100	50	65	100	85	100
	Pipechedi									100					100
	Purur	80	55	85	90	40	100	20	80	100	75	50	100	70	100
	Ranchirai	70	15	45	70	40		20	20	100		50		40	100
	Ranitarai	40	65	45	30	40	70	50	100	100	50	50	100	80	100
	Rasmadah	60	65	60	50	60	70	20	100	100	50	65	100	85	100

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	Saja	90	70	85	100	80	100	50	100	100	50	65	100	95	100
	Sambelpur	80	70	45	70	60	100	20	100	100	50	15	100	85	100
	Sanjari									100		65		10	100
	Sirsida	70	65	60	70	40	70	100	100	100	50	15	100	65	100
	Supela	60	60	45	90	40	100	50	100	100	50		100	65	100
	Surdongar									100			100	10	
	Surdung	60	45	40	70	80		50	80	60	50	65	100	65	100
	Suregaon	60	65	85	50	60	70	50	80	100	50	50	100	80	100
	Temari	100	35	45	80	80	70	50	100	60		50		60	100
	Than Khamhariya			45	20	20		50	100	100		65		25	100
	UFW Centre Durg	100	65	85	100	80	70	50	100	80	50	65	100	95	100
Utai	80	45	40	90	80		50	100	100	50	65	100	65	100	
Janjgir	Akaltara	60	25		40	40	100		80	80				40	75
	Baloda	100	25	40	80	60	100	20	100	40	25			50	100
	Bamhnidih	10	25	20		20	100		80	60				20	75
	Champa Civil dispensory		20				70		80					20	25
	Chandrapur	100	20		80	60	70		60					40	100
	Dabhara								80	40				10	
	DHQ Janjgir	40			40	20			20					-15	100
	Jaijaipur									20					
	Janjgir (Nawagarh)	80	25		60	60	100		80					40	75
	Malkharoda		25					100	80					20	
	Pamgarh		40	40				100	80	40			100	40	100
Shivrinarayan															
Jashpur	Aara (Jashpunagar)									100				-20	100
	Aasta									100	25	50		-10	100
	Baghbahra									100				-20	
	Bagicha	100	60	90	80	60	100	20	100	100	50	65	100	100	100
	Bataikela									100					
	Bhagora									100		75		-5	100
	Champa									100		50		-10	100
	Chichli									100		75		-5	100
	Cohan		60	90			100	20	100	100	75	75	100	80	100
	DHQ Jashpur	80	25		70	60	100		20					-5	100
	Dokada									100		75		-5	
	Duldula		55	90			70	20	100	100	50	75	100	80	100
	Goriya									100					
	Kalega									100		75		-5	
	Kansabel		60	90			100		80	100	50	75	100	80	100
	Kastura									100		50		-10	
	Keradih									100		65		15	
	Kerarai									100		75		15	
Kilkila									100		75		15		

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	Kotaba		60	70			100	20	100	100	50	50	100	75	100
	Kukargaon									100					
	Kunkuari		55	90			70	20	100	100	50	75	100	80	100
	Kurog									100					
	Laudang									100		75		15	
	Manora		65	85	20	20	70	20	20	100	75	75	100	55	100
	Menhi									100		75		-5	100
	Narayanpur									100					
	Palidih									100					
	Parsabahar		60	90			100	20	100	100	75	75	100	80	100
	Pathalgaon		60	70	20	20	100	20	100	80	50	75	100	80	100
	Peku									100					100
	Pendrapath									100		60		-10	100
	Ranpur									60					
	Sanna		60	90			100	20	100	100	50	75	100	80	100
	Shekharpur									100					
	Son Bayari									100	25	50		-10	100
	Tamta									100				-20	
	Tapkara		60	90			100	20	100	100	50	75	100	80	100
Kanker	Amoda	100	70	70	100	80	100	100	100	100	75	15	100	55	100
	Antagarh	100	55	70	100	80	100	100	100	100	75	25		35	100
	Badgaon (Koyelobeda)		45	30	20	20		100	20	60	50	15	100	40	100
	Bande	70	70	70	90	60	100	100	100	100	75	15		45	100
	Bhanbeda														
	Bhanupratapur	90	55	85	80	40	100	50	100	100	75	15	100	60	100
	charama	100	70	70	100	80	100	100	100	60	75	15		45	100
	Civil Hospital (Kanker)	90	40		80	40	100		80			90		60	100
	Damkasa	70	70	70	80	60	100	20	100	60	25	65	100	75	100
	DhaneliKanhar	80	55	70	90	80	100	100	100	100	75			25	100
	DHQ Kanker		35	65				50	20	100	75		100	30	
	Durgu kondal	100	55	70	100	80	100	100	100	60	75			25	100
	Halba	70	70	70	80	60	100	100	100	20	75	15	100	45	100
	Haradula														25
	Kapsi	90	70	70	100	60	100	100	100	80	75	15		45	100
	Korar	80	20		70	60	70					15		10	100
	kottara														25
	Koyali beda	100	70	90	100	80	100	100	100	100	75	15		65	100
	Lakhanpuri	100	85	90	80	60	100	20	100	40	50	90	100	105	100
	Pathanjoor	90	55	70	100	60	100	100	100	40	75	15		35	100
	Pedapal	80	70	70	100	40	100	100	100	40	75		100	40	100
	Sarona	70	70	70	80	60	100	100	100	60	25	15	100	55	100
	Sarona (Narharpurn)	90	70	70	100	60	100	100	100	60	75	15		45	100

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	Tadoki	70	40		70	40	100		80			90		60	100
Kavarda	Bhibori									60		65		10	100
	Bodla	100	55	40	80	60	100	50	100	40	75		100	30	100
	Chirpani									100		50	100	10	100
	Damapur									100	25	50			
	DHQ Kawardha	100	20		80	60	70		80			10		20	100
	Kawarda	100	70	60	100	100	100	100	100	100	50	65		85	100
	Kishangarh									100		65	100	20	
	Kukudar	90	15	25	100	60		20	20	100	25		100	55	100
	Kunda	60	45	45	90	40		20	40	100	75	15			100
	Panda tarai									100		65	100	20	
	Pandariya	70	85	85	80	60	100	20	100	100	75	15	100	75	100
	Pipariya	60	40	50	70	80	100	50	100	100	75		100	30	100
	Rengakhar											50		-10	100
	Sahaspur lohara	80	25		70	60	100		60	80		65		50	100
Taregaon	20	15		10	40				20	75	15	100	-35	100	
Korba	Ajar Bahar									100					
	Bhaisma									80					
	Chiknipali														
	DHQ Korba	30	20		20	40	70							10	
	Farsawani														
	Hardibazar		45	100				100	20	60	50		100	45	
	Jataga														
	Kartala		55	80			70	50	100	60	50	25	100	45	75
	Katghora	80	50	80	70	60	70	30	60	100	50		100	85	100
	Kerakchar														
	Korba	20	45	95	10			20	20	100	50	15	100	45	75
	Korgoma									100					
	Kothari														
	Kudumura									100					
	Lafa														
	Lemaru									100					
	Mahora														
	Mongra		30	80				80		40	50		100	25	
	Morga														
	Pali	80	40	80	90	80	70	50	80	60	50			70	75
	Pasan	10	50	60	30	40	70	50	20	100	50			35	100
	Podi Uproda	40	40	100	30	60	70	20	20	100	50	75	100	75	50
Rampur															
Saragbudhiya															
Shayang									100						
Tilkeja									80						
Tuman															
Korea	Bachrapodi	80	55	90	80	80	70	20	100	100	75	75	100	100	100



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	Badesalhi		35	5						100	75	75	100	25	100
	Belbehra		35	45						100	75	75	100	25	100
	Bharatpur		35	45						60	75	75	100	25	100
	Bharatpur (Janakpur)	100	60	90	100	80	100	20	100	100	75	60	100	95	100
	Buhar		35	45						100	75	75	100	25	100
	Chirmiri	80	60	90	90	80	100	20	100	100	75	75	100	100	100
	DHQ Baikunthpur	40			40	20			20					-30	75
	Katgodi		60				100			100	75	75	100	50	75
	Kelhari	50	35	90	70	60		20	20	40	75	75	100	60	75
	Khadgawan	100	60	90	100	80	100		80	100	75	75	100	95	100
	Kotadol		35	45						100	75	75	100	25	100
	Kuwarpur		35	45						100	75	75	100	20	100
	Madisarai		35	5						100	50	75	100	25	100
	Manendragarh	100	70	90	80	60	100	50	80	80	75	75	100	100	100
	Mansukh		35	5						100	75	75	100	25	100
	Nagpur	80	55	90	60	60	70	20	100	100	75	75	100	100	100
	Patna	20	35	70	30	60				100	75	15			100
	Ramgarh		35							100	75	50	100	10	100
	Salka(Khadgawan)	50	20	65	50	40				100	75	75	100	10	100
	Sonahat	60	55	90	70	80	70	20	100	100	50	75	100	100	100
	Sonhari		35	45						100	75	75	100	25	100
	Tegni		35	5						100	75	50	100	10	100
Mahasamund	Bagbahara	50	65	70	40	100	70	100	100	100	75	10	100	70	100
	Baloda (Saraipali)	100	40	70	100	100	100	80	80	100	50		100	65	100
	Baroli									100			100	10	100
	Basna	60	65	70	80	60	70	30	80	100	75	10	100	65	100
	Bhitideah									80			100	5	100
	Bhurkoni	60	65	70	60	80	70	100	100	100	75	10	100	70	100
	Birkoni									100			100	5	100
	Chanat									100			100	10	100
	CS office	60	65	70	60	80	70	100	100	60	75	10	100	70	100
	DHQ Mahasamund	80	25		80	20	100		80			25		20	75
	Jhalap		70	70	20	20	100	100	80	100	75		100	65	100
	Jhara									80			100	5	100
	Khallari									100			100	10	100
	Khatti									100			100	5	100
	Komakhan	90	65	70	100	60	70	80	80	40	75	25	100	90	100
	Pathsendari									100			100	10	100
	Pirda	90	50	70	100	60	70	50	100	100	75		100	60	100
	Pithora	80	70	25	80	100	100	80	80	60	75	10	100	50	100
	Sankara	100	65	70	100	80	70	50	100	100	75		100	85	100
	Saraipali	100	50	50	80	60	70	80	80	100	75	15	100	70	100
	Tumgaon	80	65	70	80	80	70	50	100	100	75	25	100	80	100

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Raigarh	Badebhandar									60					
	Bangursiya									60					
	Baramkela	70	50	50	80	60	70	100	100	100	75		100	75	100
	Barra									60					
	Bhedban									80					
	Bijkot									60					
	Chal									80					
	Chalha									80					
	Chapla	90	70	90	80	40	100	80	80	100	75		100	85	100
	Dharamjaigarh	100	65	90	100	80	70	100	100	80	75		100	85	100
	DHQ Raigarh														
	Dongarpali									80					
	Dumarpali									60					
	Gharghoda	100	65	70	100	80	70	100	100	100	75		100	85	100
	Godam									60					
	Hati									80					
	Hirri									60					
	Jobi	100	65	50	100	80	70	100	100	100	75		100	85	100
	Kankaya									80					
	Keya									60					
	Khamar														
	Kharsia		55	70	20	20	100	100	100	40	75		100	65	100
	Kodatarai	80	45	50	80	80		100	20	100	75		100	55	100
	Kosir	90	65	70	100	60	70	50	100	80	75		100	85	100
	Kudamkela									60					
	Kumarta									80					
	Lailunga	100	50	70	100	80	70	50	40	100	75		100	65	100
	Lamdad									60					
	Laripani									60					
	Libra									60					
	Loing	100	70	50	100	80	100	100	100	80	75		100	85	100
	Midmida									60					
	Mugdega	90	65	70	100	60	70	80	80	100	75		100	75	100
	Nandeli	100	55	70	100	100	100	100	20	40	75		100	65	100
	Navrangpur									60					
	Nukdega									60					
	Pussor	80	65	70	80	80	70	50	100	80	75		100	85	100
	Putkapuri														
	Rajpur (Lailunga)									60					
	Saranggarh		65	70	20	20	70	30	80	100	75		100	65	100
Sariya									60						
Sariya lengha	100	65	70	100	80	70	100	20	100	75		100	65	100	
Sarwani									60						
Sisinga									80						

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Raipur	Tamnar	100	45	90	100	80		100	40	100	75		100	65	100
	Tendanawapara									60					
	Turekela									60					
	UFWC (HQ) Raigarh	80	65	50	80	100	70	50	100	80	75		100	75	100
	Urba									60					
	Vijayanagar	90	65	70	100	60	70	50	100	100	75		100	85	100
	Vijayanagar (Kapu)	100	25		80	60	100		80					40	100
	Abhanpur	70	25		60	40	100		80					20	100
	Amasini									80					75
	Amlimandar	100	65	50	100	80	70	100	40	100	75		100	55	100
	Arang	100	65	70	100	80	70	100	100	100	75	60	100	95	100
	Baloudabajar (Lavan)	60	25		60	20	100		80	20				15	100
	Barpali									60					100
	Bhansoj									100					100
	Bhatagaon									80					
	Bhatapara	100	70	50	100	80	100	100	100	80	75		100	85	100
	Bhatgaon (Bhilaigarh)	100	20		100	100	70		80	40				40	100
	Bilaigarh	100	20	25	100	80	70	100	100	100	25			55	100
	Boriyakalan									80					
	Champaran	70	65	70	70	80	70	100	100	80	75	10	100	85	100
	Chandkhuri farm	70	65	70	70	60	70	100	100	100	75	25	100	80	100
	Chhura	100	65	90	100	80	70	100	100	100	75		100	85	100
	CS Raipur														
	Deobhog	100	50	25	100	100	70	100	100	100			100	60	100
	Dharsiwa	90	65	50	70	40	70	100	100	100	75	75	100	90	100
	Dr. Ambedkar Hospital	100	55	30	100	80	100	100	100	20	50		100	65	100
	Gariyaband		65	90	20	20	70	100	100	100	75		100	65	100
	Gidhpuri									60					
	Hathband		65	70	20	20	70	100	100	80	50		100	65	100
	Jhakarpara	60	25		60	20	100		80					10	100
	Jhangaon									100					
	Kasdol	80	70	50	60	60	100	100	100	100	50		100	75	100
	Katangi									100					75
	Kharora	100	65	50	100	80	70	80	80	100	75		100	75	100
	Khilora	80	45	50	80	80		50	20	80	75		100	15	100
	Kondkera							80		80	25				100
	Kopra	100	65	70	80	60	70	100	100	60	75		100	75	100
	Kosmandi									60					
	Kurud Kutela								30	60					100
	Lakhanpur (Palari)									100					
Lavan	70	20		50	40	70		80	60				40	100	
Mainpur	80	65	90	80	100	70	50	100	100	25		100	85	75	

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	Mandhar	100	35	50	80	60	70	100	100	100	25			65	100
	Mandir Hasid	70	65	70	80	80	70	100	100	100	75		100	65	100
	Mopar		30	50				100	20	60	75		100	35	75
	Nawapara	90	40		80	40	100		80			25		25	100
	Nipniya	70	65	70	60	40	70	100	100	80	75		100	65	
	Palari	80	35	10	80	100	70	50	100	100	75		100	65	100
	Panduka	100	50	25	100	80	70	100	100	100	75		100	60	100
	Patsivni									80					100
	Pharphoud	60	65	70	60	60	70	50	100	100	75	10	100	70	100
	Phingeshwar	100	65	90	100	80	70	100	100	100	75	10	100	85	100
	Piprachedi	100	65	30	100	80	70	100	100	100	75		100	75	75
	Raja devri									100					
	Rajim	100	45	50	80	60		100	20	60	25		100	45	100
	Rasla				20	20				100					100
	Risda									60	25				
	Rohansi		65	50	20	20	70	100	100	100	75		100	55	
	Sarsiwa	100	70	50	100	80	100	50	100	100	75		100	85	100
	Silyari	100	35	50	100	80	70	100	100	80	75			55	100
	Simga	100	70	50	100	80	100	50	100	100	75	25	100	85	100
	Sonakhan									100					
	Suhela		45	50	20	20		100	20	80	75		100	45	
	Tilda	90	55	85	80	40	70	30	80	100	75	25	100	75	100
	Torla									80					100
	Udan		45	30	20	20		80		100	50		100	35	
	UFWC Kalibadi	100			80	60								20	100
	Urmal	90	65	70	80	80	70	100	100	100	75		100	85	100
Rajnandgaon	Aasara	100	70	90	100	80	100	50	20	100	75	25	100	80	100
	Ambagarh Chowki	100	50	90	100	80	30	50	100	100	75	25	100	75	75
	Badgaon (Dongargaon)	100	70	90	80	60	100	30		100	75	25	100	65	75
	Basadi	100	85	90	100	80	100	50	100	100	75	100	100	105	100
	Bharitola	100	70	90	80	60	100	50	100	100	75	25	100	90	75
	Chilhathi	100	65	90	100	80	70	50	100	100	75	25	100	90	75
	Chuikhadan	100	70	100	100	80	100	50	100	100	75	25	100	85	100
	Churiya	100	85	90	100	80	100	50	100	100	75	100	100	105	75
	Dangarh	100	70	90	80	60	100	50	100	100	75	25	100	90	75
	DHQ Rajnandgaon	100	70	90	80	60	100	20	100		75	50	100	90	75
	Dongargaon	100	70	90	100	80	100	50	100	100	75	10	100	85	75
	Dongargarh	100	70	90	100	80	100	50	100	100	75	25	100	90	100
	Dugrideahkala	90	70	90	80	40	100	50	20	100	75	15	100	70	75
	Ganadhatola	100	70	90	100	80	100	50	20	100	75	25	100	70	100
	Gandai	100	70	90	100	80	100	50	100	100	75	25	100	85	75
	Ghumka	100	70	90	100	80	100	50	100	100	75	25	100	85	75

District	Site	Knowledge of Cold Chain	Handling of Vaccine	Awareness of vaccine temperature Norms	Maintenance of Equipment	Maintenance of Store	Maintenance of Records	Knows how to interpret Thermometer	Temperature Recording	Follow Immunization Plans	Staff has been supervised	Waste Disposal	Aware Shake test	Performance of duties	Can Interpret VVM
	Gotatola	100	70	90	80	60	100	50	100	60	75	25	100	90	75
	Jalabandha	100	70	70	100	80	100	50	100	100	75	75	100	95	100
	Khadgaon	100	70	90	80	60	100	50	100	100	75	75	100	100	75
	Khairagarh	80	70	90	90	100	100	50	100	100	75	25	100	85	100
	Kodikasan	50	55	45	40	20	100	30		100	25	25	100	35	75
	Kumardha	100	70	90	100	80	100	50	100	100	75	25	100	85	100
	Lalbahadurnagar		70	90	20	20	100	50	100	100	75	25	100	65	100
	Manpur	100	70	90	80	60	100	100	100	100	75	75	100	100	75
	Mohla	100	70	90	100	80	100	50	100	100	75	25	100	90	100
	Mohra	100	70	90	100	80	100	50	100	100	75	25	100	85	100
	Murmunda	100	70	90	100	80	100	50	100	100	75	25	100	85	100
	Ondhi	90	70	90	60	60	100	50	100	100	75	25	100	80	75
	Ramatola	100	70	90	100	80	100	50	100	100	75	25	100	90	75
	Rangkatera	100	55	90	80	60	100			60	75	65	100	65	75
	Salehvara	100	70	90	80	60	100	50	20	100	75	25	100	65	75
	Somni	80	70	90	60	60	100	50	100	100	75	75	100	90	100
	Surgi	90	45	90	70	40		30		100	75	75	100	75	100
	Tappa	100	45	90	100	80		50	20	100	75	25	100	50	100
	Udaipur		25				100			60	25			-10	100
	UFHS	100	55	90	80	60	100	20	100	100	75	60	100	80	75
	Umarwahi	100	70	90	100	80	100	50	100	40	75	75	100	100	75
Sarguja	Aara (Rajpur)		35	5						100	75	75	100	25	100
	Ajabnagar	50	55	65	50	40	70	20	20	100	75	75	100	55	100
	Bafoli	80	55	90	80	80	70	50	100	80	75	75	100	90	100
	Balrampur	60	55	90	70	80	70	20	100	100	50	65	100	100	100
	Bandana	100	50	90	100	80	70	20	100	60	75	75	100	90	100
	Bargideh		35	5						100	75	75	100	25	100
	Bariyo	80	35	85	80	60			80	100	75	25	100	65	100
	Barkela		20	45						100	75	75		5	100
	Bartikalan		20							100	75	75	100	20	100
	Basdei		35	45						100	50	75	100	20	100
	Bataikela (Batoli)		35	5						100	75	75	100	15	
	Batoli	100	60	70	100	80	100	20	100	40	75	75	100	100	100
	Batra	100	55	90	100	80	70	20	100	80	75	75	100	100	75
	Bhatgaon (Bhayadhan)	100	55	90	100	80	70	20	100	100	75	75	100	100	100
	Bhayadhan	80	60	90	90	80	100	20	100	100	75	75	100	100	100
	Biharpur Chandni		35	5						100	75	75	100	25	100
	Bishrampur (Surajpur)	40	55	90	50	80	70	20	100	100	75	75	100	90	100
	Chalgali		45	90			100	20	100	100	75	75	100	80	100
	Chandarpur		20	65						100	75	75	100	25	100
	Chando		35	90						60	75	75	100	40	100
	Chandrameda		35	5						100	75	75	100	25	100

District	Site	Knowledge of Cold Chain	Handling of Vaccine	Awareness of vaccine temperature Norms	Maintenance of Equipment	Maintenance of Store	Maintenance of Records	Knows how to interpret Thermometer	Temperature Recording	Follow Immunization Plans	Staff has been supervised	Waste Disposal	Aware Shake test	Performance of duties	Can Interpret VVM
	Darima	90	55	70	80	40	70	20	100	100	50	50	100	75	100
	Depadeah		35							100	50	75	100	25	100
	Devnagar	100	55	90	100	80	70	20	100	60	50	75	100	100	100
	Dharampur		35	65						100	75	75	100	25	100
	Dhodhagaon		35	5						100	75	75	100	25	100
	Dhourpur	100	55	90	100	80	70	20	100	100	75	75	100	100	100
	DHQ Sarguja	80	25		80	20	100		80					25	50
	Dumardeh		35							100	75	75	100	25	100
	Dumarkhola	100	35	5	80	60				100	75	75	100	45	100
	Ganeshpur	60	35	25	50	60			20	100	75	75	100	35	100
	Ghutarapara		35							100	75	75	100	15	100
	Gopalpur		35	5						100	75	75	100	25	100
	Gorpani		35	5						100	75	75	100	25	100
	Gumgara	100	55	70	80	60	70		80	100	75	25		75	100
	Guturma		35	50						100	75	75	100	40	100
	Jamwantpur (aaragahi)		40	50			70			100	75	75	100	60	100
	Jawaharnagar		35							100	75	75	100	25	100
	Kamalpur		35	25						100	75	65	100	15	100
	Kamari		35	65				20	20	100	75	75	100	15	75
	Kamleshwarpur	90	50	10	80	60		20	20	100	25	90		30	100
	Kandarai		35	45						100	75	75	100	25	100
	Karsi											75		-5	100
	Kedma		35	90	20	20		20	20	100	75	65	100	35	100
	Ketaka		35	5						100	75	75	100	25	100
	Kusmi	40	60	85	50	80	100	20	100	100	75	75	100	85	100
	Lakhanpur	100	60	70	100	80	100	20	100	100	75	65	100	90	100
	Lanjit		35							60	75	75	100	15	100
	Lehpatra	80	50	65	90	80	70	20	40	100	75	15	100	25	100
	Lundra	80	55	90	70	60	70	20	20	100	75	75	100	80	100
	Maharajganj	50	55	5	50	40	70	20	20	80	75	75	100	65	100
	Narbadapur	100	60	90	100	80	100	20	100	80	75	65	100	100	100
	Nawanagar		35	5						100	75	75	100	25	100
	Odgi	50	60	90	70	60	100	20	100	80	75	75	100	100	100
	Pampapur		35							100	75	75	100	25	100
	Pasta	80	20	90	60	60		20	20	100	75	75	100	60	100
	Patora		35	70				30		100	75	65	100	40	100
	Pratapur	100	60	50	100	80	100	20	100	100	75	75	100	100	100
	Premnagar	40	55	70	30	60	70	20	100	60	75		100	75	100
	Raghunath nagar		35	90						100	75	75	100	40	100
	Raghunathpur	60	35	70	50	60				100	75	75	100	60	75
	Rajpur	100	70	90	100	80	100	20	100	100	75	75	100	100	100
	Ramanujganj	80	60	90	90	80	100	20	100	100	75	75	100	100	100
	Ramanujnagar	60	60	90	70	80	100	20	100	100	75	75	100	90	100

District	Site	Knowledge of Cold Chain	Handling of Vaccine	Awareness of vaccine temperature Norms	Maintenance of Equipment	Maintenance of Store	Maintenance of Records	Knows how to interpret Thermometer	Temperature Recording	Follow Immunization Plans	Staff has been supervised	Waste Disposal	Aware Shake test	Performance of duties	Can Interpret VVM
	Ramchandrapur		35	65						80	75	75	100	25	100
	Ramkola		30							100	75	75	100	15	100
	Revati		20	5						100	75	75	100	25	100
	Revatpur		35	65						100	75	75	100	25	100
	Salka (Aghina)	40	35	70	30	40		20	20	60	75	75	100	60	100
	Salka(Udaypur)		20	5						100	50	65	100	45	100
	Samri		45							100	75	75	100	25	100
	Sanawal		35	65						100	75	75	100	25	100
	Shankargarh	100	60	65	80	60	100	20	100	100	75	75	100	85	100
	Silota		35	5						100	75	75	100	15	100
	Sitapur	100	50	90	100	100	70	20	100	80	75	75	100	90	100
	Sonagara											75		-5	100
	Sonpur	50	35	90	70	60		20	20	100	75	75	100	60	100
	Sukheri	100	55	90	100	80	70	20	100	80	75	75	100	100	100
	Surajpur	100	60	90	100	80	100	20	100	100	75	75	100	100	100
	Tatijhariya		35							100	75		100	30	
	Udaypur		60	90	20	20	100	20	100	60	50	75	100	80	100
	Umreshravpur		35	25						100	75	75	100	25	100
	Wadarfarnagar	60	60	65	70	80	100		80	100	75	75	100	85	100
<b>Grand Total</b>		<b>46</b>	<b>39</b>	<b>45</b>	<b>46</b>	<b>39</b>	<b>48</b>	<b>28</b>	<b>48</b>	<b>79</b>	<b>43</b>	<b>34</b>	<b>63</b>	<b>45</b>	<b>77</b>

**APPENDIX T**

**COLD CHAIN REQUIREMENT OF THE STATE**



District	Site name	Type	Block	Appropriate size of cold chain				Present status				Net requirement			
				Large ILR	Small ILR	Large DF	Small DF	Large ILR	Small ILR	Large DF	Small DF	Large ILR	Small ILR	Large DF	Small DF
Bastar	DHQ Jagdalpur	DHQ	Jagdalpur	4		4		5	2	6	3				
Bastar	Abujhamand (Orchha)	CHC	Abujhamand (Orcha)	1		1			1		1	1		1	
Bastar	Badekilepal	CHC	Badekilepal	1		1			1		2	1		1	
Bastar	Bakawand	CHC	Bakaband	1		1			1		2	1		1	
Bastar	Bastar	CHC	Bastar	1		1			4		2			1	
Bastar	Bishrampuri	CHC	Bishrampur	1		1		1	1		2			1	
Bastar	Darbha	CHC	Darbha	1		1			2	1	2	1			
Bastar	Keshkal	CHC	Keskal	1		1			4		2			1	
Bastar	Kondagaon	CHC	Kondagaon	1		1		1	4	1	1				
Bastar	Lohandiguda	CHC	Lohandigunda	1		1			2		2	1		1	
Bastar	Makdi	CHC	Makadi	1		1			2		2	1		1	
Bastar	Narainpur	CHC	Narayanpur	1		1			2	1		1			
Bastar	Pharasgaon	CHC	Farsagaon	1		1			3		2			1	
Bastar	Tokapal	CHC	Tokapal	1		1			4		1			1	
Bastar	Aadawal	PHC	Jagdalpur		1		1		1	1					
Bastar	Anantpur	PHC	Makadi		1		1		1						1
Bastar	Badedongar	PHC	Farsagaon		1		1		1		1				
Bastar	Baderajpur	PHC	Bishrampur		1		1		1						1
Bastar	Bahigaon	PHC	Keskal		1		1		1		1				
Bastar	Banoon	PHC			1		1						1		1
Bastar	Banskot	PHC	Makadi		1		1		1						1
Bastar	Benur	PHC	Narayanpur		1		1		1						1
Bastar	Bhanpuri	PHC	Bastar		1		1		1		1				
Bastar	Chandragiri	PHC	Darbha		1		1		1						1

District	Site name	Type	Block	Appropriate size of cold chain				Present status				Net requirement			
				Large ILR	Small ILR	Large DF	Small DF	Large ILR	Small ILR	Large DF	Small DF	Large ILR	Small ILR	Large DF	Small DF
Bastar	Chaparbhanpuri	PHC	Tokapal		1		1		1		2				
Bastar	Chipawand	PHC	Kondagaon		1		1		2		1				
Bastar	Chotedongar	PHC	Narayanpur		1		1		1		1				
Bastar	Dhanora (Keskal)	PHC	Keskal		1		1		1		1				
Bastar	Dhanora (Narayanpur)	PHC	Narayanpur		1		1						1		1
Bastar	Gundagaon	PHC	Bastar		1		1		1		1				
Bastar	Kachnar	PHC	Bakaband		1		1		1		1				
Bastar	Kalepal	PHC	Tokapal		1		1						1		1
Bastar	Kesarpal	PHC	Bastar		1		1		1		1				
Bastar	Kohkameta	PHC	Abujhamand (Orcha)		1		1		1		1				
Bastar	Kumrahwand	PHC	Jagdalpur		1		1						1		1
Bastar	Mardapal	PHC	Kondagaon		1		1		2		1				
Bastar	Mardoom	PHC	Lohandigunda		1		1		2						1
Bastar	Nagarnar	PHC	Jagdalpur		1		1		1						1
Bastar	Nangur	PHC	Jagdalpur		1		1		4		3				
Bastar	Neganar	PHC	Darbha		1		1		1		1				
Bastar	Sampur	PHC	Makadi		1		1		1						1
Bastar	Siganpur	PHC	Tokapal		1		1		1						1
Bastar	Titargaon	PHC	Jagdalpur		1		1						1		1
<b>Bastar</b>				17	29	17	29	7	63	10	41	7	5	10	14
Bilaspur	DHQ Bilaspur	DHQ		5		5		3	4	6	1	1			
Bilaspur	Bilha	CHC	Bilha	1		1			1	1	1	1			
Bilaspur	CIMS Medical college	CHC		1		1			2			1		1	

District	Site name	Type	Block	Appropriate size of cold chain				Present status				Net requirement			
				Large ILR	Small ILR	Large DF	Small DF	Large ILR	Small ILR	Large DF	Small DF	Large ILR	Small ILR	Large DF	Small DF
Bilaspur	Civil Hospital (Bilha)	CHC	Bilha	1		1			1	1	1	1			
Bilaspur	Gorella (1)	CHC	Gorella (1)	1		1			2		2	1		1	
Bilaspur	Kota	CHC	Kota	1		1			2		1	1		1	
Bilaspur	Loremi	CHC	Loremi	1		1			1	1	2	1			
Bilaspur	Marwahi	CHC	Marwahi	1		1			2		3	1			
Bilaspur	Mastori	CHC	Mastori	1		1			2		2	1		1	
Bilaspur	Mungeli	CHC	Mungeli	1		1			2	1	2	1			
Bilaspur	Takhatpur	CHC	Takhatpur	1		1			1		1	1		1	
Bilaspur	Chakarbhata	PHC	Bilha		1		1		1		1				
Bilaspur	Dashrangpur	PHC	Mungeli		1		1						1		1
Bilaspur	Ganiyari	PHC	Takhatpur		1		1		1		1				
Bilaspur	Pathria	PHC	Pathria		1		1		1		1				
Bilaspur	Pendra	PHC	Pendra		1		1		3		1				
Bilaspur	Ratanpur	PHC	Kota		1		1		1		1				
Bilaspur	Sakari	PHC	Takhatpur		1		1		1		1				
Bilaspur	Salhegori	PHC	Loremi		1		1						1		1
Bilaspur	Saragaon	PHC	Pathria		1		1	1	1						1
Bilaspur	Separ	PHC	Mastori		1		1		1		1				
<b>Bilaspur</b>				15	10	15	10	4	30	10	23	11	2	5	3
Dantewada	DHQ Dantewada	DHQ		2		2		4	23	2	4				
Dantewada	Bhairamgarh	CHC	Bhairmgarh	1		1			3		1			1	
Dantewada	Bhopalpatnam	CHC	Bhopalpatanam	1		1		1	2		2			1	
Dantewada	Bijapur	CHC	Bijapur	1		1			3		4				
Dantewada	Chhindgarh	CHC	Chhindgarh	1		1		1			2			1	

District	Site name	Type	Block	Appropriate size of cold chain				Present status				Net requirement			
				Large ILR	Small ILR	Large DF	Small DF	Large ILR	Small ILR	Large DF	Small DF	Large ILR	Small ILR	Large DF	Small DF
Dantewada	Dantewada	CHC	Dantewada	1		1			3		2			1	
Dantewada	Geedam	CHC	Geedam	1		1			2		1	1		1	
Dantewada	Katekalyan	CHC	Katekalayan	1		1		1	1		2			1	
Dantewada	Konta	CHC	Konta	1		1			3		1			1	
Dantewada	Kuwakonda	CHC	Kuankonda	1		1		1			1			1	
Dantewada	Sukma	CHC	Sukma	1		1			4		2			1	
Dantewada	Usur	CHC	Usoor	1		1			2		2	1		1	
Dantewada	Arahanpur	PHC	Kuankonda		1		1						1		1
Dantewada	Badebacheli	PHC	Dantewada		1		1		2		1				
Dantewada	Badegudra	PHC	Katekalayan		1		1		1		1				
Dantewada	Badetumnar	PHC	Geedam		1		1		1		1				
Dantewada	Barsur	PHC	Geedam		1		1		1						1
Dantewada	Basagunda	PHC	Usoor		1		1		1		1				
Dantewada	Bhusaras	PHC	Katekalayan		1		1						1		1
Dantewada	Burdi	PHC	Sukma		1		1						1		1
Dantewada	Dornapal	PHC	Konta		1		1		1		1				
Dantewada	Gadiras	PHC	Sukma		1		1		1		1				
Dantewada	Goreli	PHC	Chhindgarh		1		1						1		1
Dantewada	Ilmidi	PHC	Usoor		1		1		1		1				
Dantewada	Jagargunda	PHC	Konta		1		1		2		3				
Dantewada	Kerlapal	PHC	Sukma		1		1		1		1				
Dantewada	Kirandul	PHC	Kuankonda		1		1		1		1				
Dantewada	Madderh	PHC	Bhopalpatanam		1		1		1		1				
Dantewada	Metapal	PHC	Dantewada		1		1						1		1

District	Site name	Type	Block	Appropriate size of cold chain				Present status				Net requirement			
				Large ILR	Small ILR	Large DF	Small DF	Large ILR	Small ILR	Large DF	Small DF	Large ILR	Small ILR	Large DF	Small DF
Dantewada	Palanar	PHC	Kuankonda		1		1		1						1
Dantewada	Pamed	PHC	Usoor		1		1						1		1
Dantewada	Pharaspal	PHC	Geedam		1		1		1						1
Dantewada	Podung	PHC	Dantewada		1		1						1		1
Dantewada	Potali	PHC	Kuankonda		1		1						1		1
Dantewada	Pusgudi	PHC	Usoor		1		1						1		1
Dantewada	Puspal	PHC	Chhindgarh		1		1		1		1				
Dantewada	Sameli	PHC	Kuankonda		1		1				1		1		
Dantewada	Surnar	PHC	Katekalayan		1		1						1		1
Dantewada	Tarlagunda	PHC	Bhopalpatanam		1		1						1		1
Dantewada	Tompal	PHC	Chhindgarh		1		1		1		1				
<b>Dantewada</b>				13	28	13	28	8	64	2	40	2	12	10	14
Dhamtari	DHQ Dhamtari	DHQ		2		2		2	4	2	3				
Dhamtari	Dhamtari (Gujra)	CHC	Dhamtari	1		1			1	1		1			
Dhamtari	Kurud	CHC	Kurud	1		1			2		1	1		1	
Dhamtari	Magarlod	CHC	Magarlod	1		1			3		2			1	
Dhamtari	Nagari (Sihava)	CHC	Nagri (Sihava)	1		1			2		1	1		1	
Dhamtari	Badikerali	PHC	Magarlod		1		1		2		1				
Dhamtari	Belergaon	PHC	Nagri (Sihava)		1		1		1		1				
Dhamtari	Bhatgaon (Dhamtari)	PHC	Dhamtari		1		1						1		1
Dhamtari	Dugli	PHC	Nagri (Sihava)		1		1		1		1				
Dhamtari	Gattasilli	PHC	Nagri (Sihava)		1		1						1		1
Dhamtari	Jijamgaon	PHC	Kurud		1		1		1		1				
Dhamtari	Kandel	PHC	Dhamtari		1		1		1						1

District	Site name	Type	Block	Appropriate size of cold chain				Present status				Net requirement			
				Large ILR	Small ILR	Large DF	Small DF	Large ILR	Small ILR	Large DF	Small DF	Large ILR	Small ILR	Large DF	Small DF
Dhamtari	Keregaon	PHC	Nagri (Sihava)		1		1		1		1				
Dhamtari	Sihava	PHC	Nagri (Sihava)		1		1		1						1
Dhamtari	Sirri	PHC	Kurud		1		1						1		1
<b>Dhamtari</b>				6	10	6	10	2	20	3	12	3	3	3	5
Durg	DHQ Durg	DHQ	Durg	7		7		5	4	4		1		3	
Durg	Arjunda	CHC	Gunderdehi	1		1			1		1	1		1	
Durg	Balod	CHC	Balod	1		1			2	2		1			
Durg	Berla	CHC	Berla	1		1			2		2	1		1	
Durg	Dhamdha	CHC	Dhamdha	1		1			1		2	1		1	
Durg	Dondi	CHC	Dondi	1		1			2		1	1		1	
Durg	Dondi Lohara	CHC	Dondi Lohara	1		1			1		2	1		1	
Durg	Gunderdehi	CHC	Gunderdehi	1		1			1	1		1			
Durg	Gurur	CHC	Gurur	1		1			1	1		1			
Durg	Khandsara	CHC	Khandsara	1		1			2		1	1		1	
Durg	Nawagarh	CHC	Nawagarh	1		1			1	1	1	1			
Durg	Nikum	CHC	Nikum	1		1			1		1	1		1	
Durg	Patan	CHC	Patan	1		1			1	1		1			
Durg	Saja	CHC	Saja	1		1			1		2	1		1	
Durg	Utai	CHC	Nikum	1		1			1		1	1		1	
Durg	Ahiwara	PHC	Dhamdha		1		1		1		1				
Durg	Amadula	PHC	Dondi		1		1						1		1
Durg	Bemetara	PHC	Khandsara		1		1	1	1	2	1				
Durg	Bhilai 3	PHC	Patan		1		1		1		1				
Durg	Bhilai sector 8	PHC	Nikum		1		1		1		1				

District	Site name	Type	Block	Appropriate size of cold chain				Present status				Net requirement			
				Large ILR	Small ILR	Large DF	Small DF	Large ILR	Small ILR	Large DF	Small DF	Large ILR	Small ILR	Large DF	Small DF
Durg	Chandanu	PHC	Khandsara		1		1						1		1
Durg	Chhirha	PHC	Khandsara		1		1						1		1
Durg	Chikhalakasa	PHC	Dondi		1		1	1		2					
Durg	Dadhi	PHC	Khandsara		1		1	1		1					
Durg	Dargaon	PHC	Dhamdha		1		1	1		1					
Durg	Durg OPD	PHC			1		1	1							1
Durg	Gadadih	PHC	Patan		1		1	2							1
Durg	Ghotiya	PHC	Dondi		1		1	1							1
Durg	Gujra	PHC	Durg		1		1	2		2					
Durg	Gundheli	PHC	Berla		1		1	1		1					
Durg	Hanoda	PHC	Nikum		1		1	1		1					
Durg	Jheet	PHC	Patan		1		1	1		1					
Durg	J-Sankara	PHC	Balod		1		1	1							1
Durg	Kalangpur	PHC	Gunderdehi		1		1	1		1					
Durg	Khursipar	PHC	Nikum		1		1	1		1					
Durg	Khursul	PHC	Nikum		1		1	1							1
Durg	Litiya (Bori)	PHC	Dhamdha		1		1	1		1					
Durg	Mahud	PHC	Gunderdehi		1		1	1		1					
Durg	Mangchua	PHC	Dondi Lohara		1		1	1		1					
Durg	Maro	PHC	Nawagarh		1		1	1		1					
Durg	Murmunda (Dhamdha)	PHC	Dhamdha		1		1	1		1					
Durg	Nagpura	PHC	Nikum		1		1						1		1
Durg	Nahanda	PHC	Dondi Lohara		1		1	2		1					
Durg	Nandghat	PHC	Nawagarh		1		1	1							1

District	Site name	Type	Block	Appropriate size of cold chain				Present status				Net requirement			
				Large ILR	Small ILR	Large DF	Small DF	Large ILR	Small ILR	Large DF	Small DF	Large ILR	Small ILR	Large DF	Small DF
Durg	Nankatti	PHC	Nikum		1		1		1		1				
Durg	Palari (Gurur)	PHC	Gurur		1		1		1		1				
Durg	Pendrawan	PHC	Dhamdha		1		1		1		1				
Durg	Perpodi	PHC	Saja		1		1		1		1				
Durg	Pipechedi	PHC	Balod		1		1		1						1
Durg	Purur	PHC	Gurur		1		1		1		1				
Durg	Ranchirai	PHC	Gunderdehi		1		1		1		1				
Durg	Ranitarai	PHC	Patan		1		1		1		1				
Durg	Rasmadah	PHC	Nikum		1		1		1		1				
Durg	Sambelpur	PHC	Nawagarh		1		1		1		1				
Durg	Sanjari	PHC	Dondi Lohara		1		1					1			1
Durg	Sirsida	PHC	Gunderdehi		1		1		1		1				
Durg	Supela	PHC	Nikum		1		1		1	1					
Durg	Surdongar	PHC	Dondi		1		1					1			1
Durg	Surdung	PHC	Dhamdha		1		1		1		1				
Durg	Suregaon	PHC	Dondi Lohara		1		1		1		1				
Durg	Temari	PHC	Nawagarh		1		1		1		1				
Durg	Than Khamhariya	PHC	Saja		1		1		1		2				
Durg	UFW Centre Durg	PHC	Durg		1		1		2	1	1				
<b>Durg</b>				21	48	21	48	6	68	14	51	15	6	12	13
Janjgir	DHQ Janjgir	DHQ		4		4		1	1	2		3		2	
Janjgir	Akaltara	CHC	Akaltara	1		1			2		2	1		1	
Janjgir	Baloda	CHC	Baloda	1		1			2		2	1		1	
Janjgir	Bamhnidih	CHC	Bamhani Deh	1		1			2		2	1		1	



District	Site name	Type	Block	Appropriate size of cold chain				Present status				Net requirement			
				Large ILR	Small ILR	Large DF	Small DF	Large ILR	Small ILR	Large DF	Small DF	Large ILR	Small ILR	Large DF	Small DF
Janjgir	Dabhara	CHC	Dabra	1		1			2	1	1	1			
Janjgir	Jaijaipur	CHC	Jaijpur	1		1			2		2	1		1	
Janjgir	Janjgir (Nawagarh)	CHC	Akaltara	1		1			1	1	1	1			
Janjgir	Malkharoda	CHC	Malkharoda	1		1			2		1	1		1	
Janjgir	Pamgarh	CHC	Pamgarh	1		1			3		1			1	
Janjgir	Champa Civil dispensory	PHC	Akaltara		3		3		1		1		2		2
Janjgir	Chandrapur	PHC	Dabra		3		3		1		1		2		2
Janjgir	Shivrinarayan	PHC	Nawagarh		3		3						3		3
<b>Janjgir</b>				12	9	12	9	1	19	4	14	10	7	8	7
Jashupur	DHQ Jashpur	DHQ		2		2		1	4	3					
Jashupur	Bagicha	CHC		1		1			2		2	1		1	
Jashupur	Duldula	CHC	Duldula	1		1			2		1	1		1	
Jashupur	Kansabel	CHC	Karabel	1		1			2		1	1		1	
Jashupur	Kunkuari	CHC	Kunkuri	1		1			2		2	1		1	
Jashupur	Manora	CHC	Manora	1		1			2		2	1		1	
Jashupur	Parsabahar	CHC		1		1			1		2	1		1	
Jashupur	Pathalgaon	CHC	Pathalgaon	1		1			2	1	2	1			
Jashupur	Aara (Jashpunagar)	PHC	Jashpunagar		1		1						1		1
Jashupur	Aasta	PHC	Manora		1		1						1		1
Jashupur	Baghbahra	PHC	Pathalgaon		1		1						1		1
Jashupur	Bataikela	PHC			1		1						1		1
Jashupur	Bhagora	PHC	Tapkara		1		1						1		1
Jashupur	Champa	PHC	Bagicha		1		1						1		1
Jashupur	Chichli	PHC	Bagicha		1		1						1		1

District	Site name	Type	Block	Appropriate size of cold chain				Present status				Net requirement			
				Large ILR	Small ILR	Large DF	Small DF	Large ILR	Small ILR	Large DF	Small DF	Large ILR	Small ILR	Large DF	Small DF
Jashupur	Cohan	PHC			1		1		1		2				
Jashupur	Dokada	PHC	Karabel		1		1						1		1
Jashupur	Goriya	PHC			1		1						1		1
Jashupur	Kalega	PHC	Bagicha		1		1						1		1
Jashupur	Kastura	PHC	Duldula		1		1						1		1
Jashupur	Keradih	PHC			1		1						1		1
Jashupur	Kerarai	PHC	Tapkara		1		1						1		1
Jashupur	Kilkila	PHC	Pathalgaon		1		1						1		1
Jashupur	Kotaba	PHC	Pathalgaon		1		1				1		1		
Jashupur	Kukargaon	PHC	Pathalgaon		1		1						1		1
Jashupur	Kurog	PHC	Bagicha		1		1						1		1
Jashupur	Laudang	PHC	Jashpunagar		1		1						1		1
Jashupur	Menhi	PHC	Bagicha		1		1						1		1
Jashupur	Narayanpur	PHC			1		1						1		1
Jashupur	Palidih	PHC			1		1						1		1
Jashupur	Peku	PHC	Jashpunagar		1		1						1		1
Jashupur	Pendrapath	PHC	Bagicha		1		1						1		1
Jashupur	Ranpur	PHC			1		1						1		1
Jashupur	Sanna	PHC	Bagicha		1		1		1		1				
Jashupur	Shekharpur	PHC	Pathalgaon		1		1						1		1
Jashupur	Son Bayari	PHC	Manora		1		1						1		1
Jashupur	Tamta	PHC	Pathalgaon		1		1						1		1
Jashupur	Tapkara	PHC	Tapkara		1		1		2						1
<b>Jashupur</b>				9	30	9	30	1	21	4	16	7	27	6	27

District	Site name	Type	Block	Appropriate size of cold chain				Present status				Net requirement			
				Large ILR	Small ILR	Large DF	Small DF	Large ILR	Small ILR	Large DF	Small DF	Large ILR	Small ILR	Large DF	Small DF
Kanker	DHQ Kanker	DHQ	Kanker	2		2		2	2	1	2			1	
Kanker	Antagarh	CHC	Aantagarh	1		1			1		2	1		1	
Kanker	Bhanupratapur	CHC	Bhanupratapur	1		1			2	1	1	1			
Kanker	charama	CHC	Charama	1		1			2		2	1		1	
Kanker	Durgu kondal	CHC	Durgkondal	1		1			1		1	1		1	
Kanker	Koyali beda	CHC	Koyelobeda	1		1			1		1	1		1	
Kanker	Sarona (Narharpurn)	CHC	Sarona (Naharpur)	1		1			1		1	1		1	
Kanker	Amoda	PHC	Sarona (Naharpur)		1		1		2		1				
Kanker	Badgaon (Koyelobeda)	PHC	Koyelobeda		1		1						1		1
Kanker	Bande	PHC	Koyelobeda		1		1		1		1				
Kanker	Bhanbeda	PHC	Bhanupratapur		1		1						1		1
Kanker	Civil Hospital (Kanker)	PHC	Kanker		1		1	1	3						1
Kanker	Damkasa	PHC	Durgkondal		1		1		1		1				
Kanker	DhaneliKanhar	PHC	Kanker		1		1		2		1				
Kanker	Halba	PHC	Charama		1		1		1		1				
Kanker	Haradula	PHC	Charama		1		1						1		1
Kanker	Kapsi	PHC	Koyelobeda		1		1		2		1				
Kanker	Korar	PHC	Bhanupratapur		1		1		1		1				
Kanker	kottara	PHC	Charama		1		1						1		1
Kanker	Lakhanpuri	PHC	Charama		1		1		1						1
Kanker	Pathanjoor	PHC	Koyelobeda		1		1		1		1				
Kanker	Pedapal	PHC	Kanker		1		1		1						1
Kanker	Sarona	PHC	Sarona (Naharpur)		1		1		1		2				

District	Site name	Type	Block	Appropriate size of cold chain				Present status				Net requirement			
				Large ILR	Small ILR	Large DF	Small DF	Large ILR	Small ILR	Large DF	Small DF	Large ILR	Small ILR	Large DF	Small DF
Kanker	Tadoki	PHC	Aantagarh		1		1		1						1
<b>Kanker</b>				8	17	8	17	3	28	2	20	6	4	6	8
Kavarda	DHQ Kawardha	DHQ		2		2		1	1	2		1			
Kavarda	Bodla	CHC	Bodla	1		1			3		2			1	
Kavarda	Kawarda	CHC	Kavarda	1		1			3		3				
Kavarda	Pandariya	CHC	Pandariya	1		1			4		3				
Kavarda	Sahaspur lohara	CHC	Sahaspur lohar	1		1			4		4				
Kavarda	Bhibori	PHC	Sahaspur lohar		1		1						1		1
Kavarda	Chirpani	PHC	Pandariya		1		1						1		1
Kavarda	Damapur	PHC	Pandariya		1		1						1		1
Kavarda	Kishangarh	PHC	Pandariya		1		1						1		1
Kavarda	Kukudar	PHC	Pandariya		1		1		1		1				
Kavarda	Kunda	PHC	Pandariya		1		1		1		1				
Kavarda	Panda tarai	PHC	Pandariya		1		1						1		1
Kavarda	Pipariya	PHC	Kavarda		1		1		1		1				
Kavarda	Rengakhar	PHC	Bodla		1		1		1		1				
Kavarda	Taregaon	PHC	Bodla		1		1		1						1
<b>Kavarda</b>				6	10	6	10	1	20	2	16	1	5	1	6
Korba	DHQ Korba	DHQ		3		3		1	4	2	1	1		1	
Korba	Kartala	CHC	Kartala	1		1			2		2	1		1	
Korba	Katghora	CHC	Katghoda	1		1			1		2	1		1	
Korba	Korba	CHC	Korba	1		1			1	1	1	1			
Korba	Pali	CHC	Pali	1		1			1		1	1		1	
Korba	Podi Uproda	CHC	Pondi Uprera	1		1			3		2			1	

District	Site name	Type	Block	Appropriate size of cold chain				Present status				Net requirement			
				Large ILR	Small ILR	Large DF	Small DF	Large ILR	Small ILR	Large DF	Small DF	Large ILR	Small ILR	Large DF	Small DF
Korba	Ajgar Bahar	PHC	Korba		1		1						1		1
Korba	Bhaisma	PHC	Korba		1		1						1		1
Korba	Chiknipali	PHC	Kartala		1		1						1		1
Korba	Farsawani	PHC	Kartala		1		1						1		1
Korba	Hardibazar	PHC	Pali		1		1		1		1				
Korba	Jataga	PHC	Pondi Uprera		1		1						1		1
Korba	Kerakchar	PHC	Kartala		1		1						1		1
Korba	Korgoma	PHC	Korba		1		1						1		1
Korba	Kothari	PHC	Kartala		1		1						1		1
Korba	Kudumura	PHC	Korba		1		1						1		1
Korba	Lafa	PHC	Pali		1		1						1		1
Korba	Lemaru	PHC	Korba		1		1						1		1
Korba	Mahora	PHC	Pondi Uprera		1		1						1		1
Korba	Mongra	PHC	Katghoda		1		1		1						1
Korba	Morga	PHC	Pondi Uprera		1		1						1		1
Korba	Pasan	PHC	Pondi Uprera		1		1		1		1				
Korba	Rampur	PHC	Kartala		1		1						1		1
Korba	Saragbudhiya	PHC	Kartala		1		1						1		1
Korba	Shayang	PHC	Korba		1		1						1		1
Korba	Tilkeja	PHC	Korba		1		1						1		1
Korba	Tuman	PHC	Pondi Uprera		1		1						1		1
<b>Korba</b>				8	21	8	21	1	15	3	11	5	18	5	19
Korea	DHQ Baikunthpur	DHQ		2		2			4	1	4	1			
Korea	Bharatpur (Janakpur)	CHC	Bharatpur	1		1		1	2		2			1	

District	Site name	Type	Block	Appropriate size of cold chain				Present status				Net requirement			
				Large ILR	Small ILR	Large DF	Small DF	Large ILR	Small ILR	Large DF	Small DF	Large ILR	Small ILR	Large DF	Small DF
Korea	Khadgawan	CHC	Khadgawan	1		1		1	1	1	1				
Korea	Manendragarh	CHC	Manendragarh	1		1		1	1		2			1	
Korea	Sonahat	CHC	Sonahat	1		1			3		1			1	
Korea	Bachrapodi	PHC	Khadgawan		1		1		1		1				
Korea	Badesalhi	PHC	Khadgawan		1		1						1		1
Korea	Belbehra	PHC	Manendragarh		1		1						1		1
Korea	Bharatpur	PHC	Bharatpur		1		1						1		1
Korea	Buhar	PHC	Bakunthpur		1		1						1		1
Korea	Chirmiri	PHC	Khadgawan		1		1		1		1				
Korea	Katgodi	PHC	Sonahat		1		1						1		1
Korea	Kelhari	PHC	Manendragarh		1		1		1		1				
Korea	Kotadol	PHC	Bharatpur		1		1						1		1
Korea	Kuwarpur	PHC	Bharatpur		1		1						1		1
Korea	Madisarai	PHC	Bharatpur		1		1						1		1
Korea	Mansukh	PHC	Bakunthpur		1		1						1		1
Korea	Nagpur	PHC	Manendragarh		1		1		1						1
Korea	Patna	PHC	Bakunthpur		1		1		1		1				
Korea	Ramgarh	PHC	Sonahat		1		1						1		1
Korea	Salka(Khadgawan)	PHC	Khadgawan		1		1				1		1		
Korea	Sonhari	PHC	Manendragarh		1		1						1		1
Korea	Tegni	PHC	Bakunthpur		1		1						1		1
<b>Korea</b>				6	18	6	18	3	16	2	15	1	13	3	13
Mahasamund	DHQ Mahasamund	DHQ		3		3			1			3		3	
Mahasamund	Bagbahara	CHC	Bagbahara	1		1			3	1	2				

District	Site name	Type	Block	Appropriate size of cold chain				Present status				Net requirement			
				Large ILR	Small ILR	Large DF	Small DF	Large ILR	Small ILR	Large DF	Small DF	Large ILR	Small ILR	Large DF	Small DF
Mahasamund	Basna	CHC	Basna	1		1			3		2			1	
Mahasamund	Pithora	CHC	Pithora	1		1			1		1	1		1	
Mahasamund	Saraipali	CHC	Saraipali	1		1			3	1	1				
Mahasamund	Baloda (Saraipali)	PHC	Saraipali		1		1		1		1				
Mahasamund	Baroli	PHC	Basna		1		1						1		1
Mahasamund	Bhitideah	PHC	Pithora		1		1						1		1
Mahasamund	Bhurkoni	PHC	Pithora		1		1		1		1				
Mahasamund	Birkoni	PHC	Mahasamund		1		1						1		1
Mahasamund	Chanat	PHC	Basna		1		1						1		1
Mahasamund	CS office	PHC	Mahasamund		1		1		1		1				
Mahasamund	Jhalap	PHC	Mahasamund		1		1		1		1				
Mahasamund	Jhara	PHC	Mahasamund		1		1						1		1
Mahasamund	Khallari	PHC	Bagbahara		1		1						1		1
Mahasamund	Khatti	PHC	Mahasamund		1		1						1		1
Mahasamund	Komakhan	PHC	Bagbahara		1		1		1		1				
Mahasamund	Pathsendari	PHC	Saraipali		1		1						1		1
Mahasamund	Pirda	PHC	Pithora		1		1		1		1				
Mahasamund	Sankara	PHC	Pithora		1		1		1		1				
Mahasamund	Tumgaon	PHC	Mahasamund		1		1		1		1				
<b>Mahasamund</b>				7	16	7	16		19	2	14	4	8	5	8
Raigarh	DHQ Raigarh	DHQ	Raigarh	4		4		2	8	4	4				
Raigarh	Chapla	CHC	Kharsia	1		1			2		2	1		1	
Raigarh	Dharamjaigarh	CHC	Dharamjaigarh	1		1			1		1	1		1	
Raigarh	Gharghoda	CHC	Gharghoda	1		1			2		1	1		1	

District	Site name	Type	Block	Appropriate size of cold chain				Present status				Net requirement			
				Large ILR	Small ILR	Large DF	Small DF	Large ILR	Small ILR	Large DF	Small DF	Large ILR	Small ILR	Large DF	Small DF
Raigarh	Kharsia	CHC	Kharsia	1		1			2		2	1		1	
Raigarh	Lailunga	CHC	Lailunga	1		1			2	1	1	1			
Raigarh	Pussor	CHC	Pussor	1		1			2		1	1		1	
Raigarh	Tamnar	CHC	Tamnar	1		1			2		2	1		1	
Raigarh	Vijayanagar (Kapu)	CHC	Dharamjaigarh	1		1			1		1	1		1	
Raigarh	Badebhandar	PHC	Pussor		1		1						1		1
Raigarh	Bangursiya	PHC	Raigarh		1		1						1		1
Raigarh	Baramkela	PHC	Sariya lengha		1		1		3		1				
Raigarh	Barra	PHC	Kharsia		1		1						1		1
Raigarh	Bhedban	PHC	Saranggarh		1		1						1		1
Raigarh	Bijkot	PHC	Kharsia		1		1						1		1
Raigarh	Chal	PHC	Dharamjaigarh		1		1						1		1
Raigarh	Chalha	PHC	Dharamjaigarh		1		1						1		1
Raigarh	Dongarpali	PHC	Sariya lengha		1		1						1		1
Raigarh	Dumarpali	PHC	Raigarh		1		1						1		1
Raigarh	Godam	PHC	Saranggarh		1		1						1		1
Raigarh	Hati	PHC	Dharamjaigarh		1		1						1		1
Raigarh	Hirri	PHC	Saranggarh		1		1						1		1
Raigarh	Jobi	PHC	Kharsia		1		1		1		1				
Raigarh	Kankaya	PHC	Gharghoda		1		1						1		1
Raigarh	Keya	PHC	Gharghoda		1		1						1		1
Raigarh	Khamar	PHC	Dharamjaigarh		1		1						1		1
Raigarh	Kodatarai	PHC	Pussor		1		1		1		1				
Raigarh	Kosir	PHC	Saranggarh		1		1		1		1				



District	Site name	Type	Block	Appropriate size of cold chain				Present status				Net requirement			
				Large ILR	Small ILR	Large DF	Small DF	Large ILR	Small ILR	Large DF	Small DF	Large ILR	Small ILR	Large DF	Small DF
Raigarh	Kudamkela	PHC	Gharghoda		1		1						1		1
Raigarh	Kumarta	PHC	Dharamjaigarh		1		1						1		1
Raigarh	Lamdad	PHC	Lailunga		1		1						1		1
Raigarh	Laripani	PHC	Lailunga		1		1						1		1
Raigarh	Libra	PHC	Tamnar		1		1						1		1
Raigarh	Loing	PHC	Raigarh		1		1	2		1					
Raigarh	Midmida	PHC	Pussor		1		1						1		1
Raigarh	Mugdega	PHC	Lailunga		1		1	1		1					
Raigarh	Nandeli	PHC	Raigarh		1		1	1		1					
Raigarh	Navrangpur	PHC	Raigarh		1		1						1		1
Raigarh	Nukdega	PHC	Lailunga		1		1						1		1
Raigarh	Putkapuri	PHC	Pussor		1		1						1		1
Raigarh	Rajpur (Lailunga)	PHC	Lailunga		1		1						1		1
Raigarh	Saranggarh	PHC	Saranggarh		1		1	1	1	3					
Raigarh	Sariya	PHC	Sariya lengha		1		1						1		1
Raigarh	Sariya lengha	PHC	Sariya lengha		1		1	1		1					
Raigarh	Sarwani	PHC	Kharsia		1		1						1		1
Raigarh	Siringa	PHC	Dharamjaigarh		1		1						1		1
Raigarh	Tendanawapara	PHC	Gharghoda		1		1						1		1
Raigarh	Turekela	PHC	Kharsia		1		1						1		1
Raigarh	UFWC (HQ) Raigarh	PHC	Raigarh		1		1	2		1					
Raigarh	Urba	PHC	Tamnar		1		1						1		1
Raigarh	Vijayanagar	PHC	Dharamjaigarh		1		1	2		1					
<b>Raigarh</b>				12	42	12	42	2	38	6	28	8	31	7	31

District	Site name	Type	Block	Appropriate size of cold chain				Present status				Net requirement			
				Large ILR	Small ILR	Large DF	Small DF	Large ILR	Small ILR	Large DF	Small DF	Large ILR	Small ILR	Large DF	Small DF
Raipur	CS Raipur	CS						6	2	7	3				
Raipur	Abhanpur	CHC	Abhnupur	1		1			2		1	1		1	
Raipur	Arang	CHC	Arang	1		1			2		1	1		1	
Raipur	Baloudabajar (Lavan)	CHC	Baloda bazar	1		1			2	1	1	1			
Raipur	Bhatapara	CHC	Bhatapara	1		1			2		1	1		1	
Raipur	Bhilaigarh	CHC	Bhilaigarh	1		1			2	1		1			
Raipur	Chhura	CHC	Chura	1		1			2		1	1		1	
Raipur	Deobhog	CHC	Devbhog	1		1			2		2	1		1	
Raipur	Dharsiwa	CHC	Dharsiva	1		1			1		1	1		1	
Raipur	Gariyaband	CHC	Gariyaband	1		1			4		1			1	
Raipur	Kasdol	CHC	Kasdol	1		1			2	1		1			
Raipur	Mainpur	CHC	Menpur	1		1			1	1		1			
Raipur	Palari	CHC	Palari	1		1			1	1	1	1			
Raipur	Phingeshwar	CHC	Fingeshwar	1		1			2		1	1		1	
Raipur	Simga	CHC	Simga	1		1		1	1		1			1	
Raipur	Tilda	CHC	Tilda	1		1			3		3				
Raipur	Amasini	PHC	Dharsiva		1		1						1		1
Raipur	Amlimandar	PHC	Menpur		1		1		1		1				
Raipur	Barpali	PHC	Kasdol		1		1						1		1
Raipur	Bhansoj	PHC	Arang		1		1						1		1
Raipur	Bhatagaon	PHC	Dharsiva		1		1						1		1
Raipur	Bhatgaon (Bhilaigarh)	PHC	Bhilaigarh		1		1		1	2					
Raipur	Boriyakalan	PHC	Dharsiva		1		1						1		1
Raipur	Champaran	PHC	Abhnupur		1		1		1		1				

District	Site name	Type	Block	Appropriate size of cold chain				Present status				Net requirement			
				Large ILR	Small ILR	Large DF	Small DF	Large ILR	Small ILR	Large DF	Small DF	Large ILR	Small ILR	Large DF	Small DF
Raipur	Chandkhuri farm	PHC	Arang		1		1		1						1
Raipur	Dr. Ambedkar Hospital	PHC	Raipur		1		1		1		1				
Raipur	Gidhpuri	PHC	Palari		1		1						1		1
Raipur	Hathband	PHC	Simga		1		1		1	1					
Raipur	Jhakarpara	PHC	Devbhog		1		1		1		1				
Raipur	Jhangaon	PHC	Menpur		1		1						1		1
Raipur	Katangi	PHC	Kasdol		1		1						1		1
Raipur	Kharora	PHC	Tilda		1		1		1		1				
Raipur	Khilora	PHC	Abhnupur		1		1		1						1
Raipur	Kondkera	PHC	Fingeshwar		1		1						1		1
Raipur	Kopra	PHC	Fingeshwar		1		1		1		1				
Raipur	Kosmandi	PHC	Palari		1		1						1		1
Raipur	Kurud Kutela	PHC	Arang		1		1						1		1
Raipur	Lakhanpur (Palari)	PHC	Palari		1		1						1		1
Raipur	Lavan	PHC	Baloda bazar		1		1		2		1				
Raipur	Mandhar	PHC	Dharsiva		1		1		1		1				
Raipur	Mandir Hasid	PHC	Arang		1		1		1		1				
Raipur	Mopar	PHC	Bhatapara		1		1						1		1
Raipur	Nawapara	PHC	Abhnupur		1		1		1		1				
Raipur	Nipniya	PHC	Bhatapara		1		1		1	1					
Raipur	Panduka	PHC	Chura		1		1		1		1				
Raipur	Patsivni	PHC	Chura		1		1						1		1
Raipur	Pharphoud	PHC	Arang		1		1		1		1				
Raipur	Piprachedi	PHC	Gariyaband		1		1		1		1				

District	Site name	Type	Block	Appropriate size of cold chain				Present status				Net requirement			
				Large ILR	Small ILR	Large DF	Small DF	Large ILR	Small ILR	Large DF	Small DF	Large ILR	Small ILR	Large DF	Small DF
Raipur	Raja devri	PHC	Kasdol		1		1						1		1
Raipur	Rajim	PHC	Fingeshwar		1		1		1		1				
Raipur	Rasla	PHC	Chura		1		1						1		1
Raipur	Risda	PHC	Baloda bazar		1		1						1		1
Raipur	Rohansi	PHC	Palari		1		1		1		1				
Raipur	Sarsiwa	PHC	Bhilaigarh		1		1		1		1				
Raipur	Silyari	PHC	Dharsiva		1		1		1		1				
Raipur	Sonakhan	PHC	Kasdol		1		1						1		1
Raipur	Suhela	PHC	Simga		1		1		1		1				
Raipur	Torla	PHC	Abhnupur		1		1						1		1
Raipur	Udan	PHC	Palari		1		1						1		1
Raipur	UFWC Kalibadi	PHC	Raipur		1		1		1		1				
Raipur	Urmal	PHC	Menpur		1		1		1		1				
<b>Raipur</b>				15	45	15	45	7	57	16	38	12	20	9	22
Rajnandgaon	DHQ Rajnandgaon	DHQ	Rajnandgaon	4		4		2	2	2	2	2		2	
Rajnandgaon	Ambagarh Chowki	CHC	Ambagarh Chowki	1		1			3		2			1	
Rajnandgaon	Chuikhadan	CHC	Chuikhadan	1		1		1	1	1	1				
Rajnandgaon	Churiya	CHC	Churiya	1		1			3		1			1	
Rajnandgaon	Dongargaon	CHC	Dongargaon	1		1			3		2			1	
Rajnandgaon	Dongargarh	CHC	Dongargarh	1		1			7		2			1	
Rajnandgaon	Ghumka	CHC	Ghumka	1		1			2	1	1	1			
Rajnandgaon	Khairagarh	CHC	Khairagarh	1		1			3	1	1				
Rajnandgaon	Manpur	CHC	Manpur	1		1			4		1			1	
Rajnandgaon	Mohla	CHC	Mohla	1		1		1	2	1					

District	Site name	Type	Block	Appropriate size of cold chain				Present status				Net requirement			
				Large ILR	Small ILR	Large DF	Small DF	Large ILR	Small ILR	Large DF	Small DF	Large ILR	Small ILR	Large DF	Small DF
Rajnandgaon	Aasara	PHC	Dongargaon		1		1		2						1
Rajnandgaon	Badgaon (Dongargaon)	PHC	Dongargaon		1		1						1		1
Rajnandgaon	Basadi	PHC	Mohla		1		1		1		1				
Rajnandgaon	Bharitola	PHC	Manpur		1		1		1		1				
Rajnandgaon	Chilhati	PHC	Ambagarh Chowki		1		1		1		1				
Rajnandgaon	Dangarh	PHC	Mohla		1		1		1		1				
Rajnandgaon	Dugrideahkala	PHC	Rajnandgaon		1		1						1		1
Rajnandgaon	Ganadhatola	PHC	Churiya		1		1		1						1
Rajnandgaon	Gandai	PHC	Chuikhadan		1		1		1		1				
Rajnandgaon	Gotatola	PHC	Mohla		1		1		1	1					
Rajnandgaon	Jalabandha	PHC	Khairagarh		1		1		1		1				
Rajnandgaon	Khadgaon	PHC	Manpur		1		1		1		1				
Rajnandgaon	Kodikasan	PHC	Ambagarh Chowki		1		1		1						1
Rajnandgaon	Kumardha	PHC	Churiya		1		1		1		1				
Rajnandgaon	Lalbahadurnagar	PHC	Dongargarh		1		1		1		1				
Rajnandgaon	Mohra	PHC	Dongargarh		1		1		1		1				
Rajnandgaon	Murmunda	PHC	Dongargarh		1		1		1		1				
Rajnandgaon	Ondhi	PHC	Manpur		1		1		1		1				
Rajnandgaon	Ramatola	PHC	Dongargarh		1		1		1		1				
Rajnandgaon	Rangkatara	PHC	Ghumka		1		1						1		1
Rajnandgaon	Salehvara	PHC	Chuikhadan		1		1		1		1				
Rajnandgaon	Somni	PHC	Ghumka		1		1		1		1				
Rajnandgaon	Surgi	PHC	Ghumka		1		1						1		1
Rajnandgaon	Tappa	PHC	Dongargaon		1		1		2						1

District	Site name	Type	Block	Appropriate size of cold chain				Present status				Net requirement			
				Large ILR	Small ILR	Large DF	Small DF	Large ILR	Small ILR	Large DF	Small DF	Large ILR	Small ILR	Large DF	Small DF
Rajnandgaon	Udaipur	PHC	Chuikhadan		1		1						1		1
Rajnandgaon	UFHS	PHC	Rajnandgaon		1		1		2	2					
Rajnandgaon	Umarwahi	PHC	Churiya		1		1		1		1				
<b>Rajnandgaon</b>				13	27	13	27	4	55	9	29	3	5	7	9
Sarguja	DHQ Sarguja	DHQ		5		5		3	4	2	3	1		2	
Sarguja	Balrampur	CHC	Balrampur	1		1		2	1		2			1	
Sarguja	Batoli	CHC	Batoli	1		1			2		1	1		1	
Sarguja	Bhayadhan	CHC	Bhayadhan	1		1		1	3		1			1	
Sarguja	Dhourpur	CHC	Dhourpur	1		1			5		1			1	
Sarguja	Kusmi	CHC	Kusmi	1		1		1	1		3				
Sarguja	Lakhanpur	CHC	Lakhanpur	1		1		1	3		1			1	
Sarguja	Odgi	CHC	Odgi	1		1		1	3		2			1	
Sarguja	Pratapur	CHC	Pratapur	1		1			2		2	1		1	
Sarguja	Premnagar	CHC	Premnagar	1		1			2		2	1		1	
Sarguja	Rajpur	CHC	Rajpur	1		1		1	2		1			1	
Sarguja	Ramanujganj	CHC	Ramchandrapur	1		1			4		3				
Sarguja	Ramanujnagar	CHC	Ramanujnagar	1		1			3		1			1	
Sarguja	Shankargarh	CHC	Shankargarh	1		1			2		2	1		1	
Sarguja	Sitapur	CHC	Sitapur	1		1			2		1	1		1	
Sarguja	Surajpur	CHC	Surajpur	1		1		1	1		1			1	
Sarguja	Udaypur	CHC	Udaypur	1		1			1		3	1			
Sarguja	Wadarfarnagar	CHC	Wadarfarnagar	1		1		1	3		2			1	
Sarguja	Aara (Rajpur)	PHC	Rajpur		1		1						1		1
Sarguja	Ajabnagar	PHC	Surajpur		1		1		2						1

District	Site name	Type	Block	Appropriate size of cold chain				Present status				Net requirement			
				Large ILR	Small ILR	Large DF	Small DF	Large ILR	Small ILR	Large DF	Small DF	Large ILR	Small ILR	Large DF	Small DF
Sarguja	Bafoli	PHC	Ambikapur		1		1		2						1
Sarguja	Bandana	PHC	Menpat		1		1		1						1
Sarguja	Bargideh	PHC	Dhourpur		1		1						1		1
Sarguja	Bariyo	PHC	Rajpur		1		1		1		1				
Sarguja	Barkela	PHC	Ambikapur		1		1						1		1
Sarguja	Bartikalan	PHC	Wadarfarnagar		1		1						1		1
Sarguja	Basdei	PHC	Surajpur		1		1						1		1
Sarguja	Bataikela (Batoli)	PHC	Batoli		1		1						1		1
Sarguja	Batra	PHC	Bhayadhan		1		1		1						1
Sarguja	Bhatgaon (Bhayadhan)	PHC	Bhayadhan		1		1		1		1				
Sarguja	Biharpur Chandni	PHC	Odgi		1		1						1		1
Sarguja	Bishrampur (Surajpur)	PHC	Surajpur		1		1		1		1				
Sarguja	Chalgali	PHC	Wadarfarnagar		1		1		1		1				
Sarguja	Chandarpur	PHC	Ramanujnagar		1		1						1		1
Sarguja	Chando	PHC	Kusmi		1		1						1		1
Sarguja	Chandrameda	PHC	Bhaiyathan		1		1						1		1
Sarguja	Darima	PHC	Ambikapur		1		1	1			1				
Sarguja	Depadeah	PHC	Shankargarh		1		1						1		1
Sarguja	Devnagar	PHC	Ramanujnagar		1		1		1		1				
Sarguja	Dharampur	PHC	Pratapur		1		1		1						1
Sarguja	Dhodhagaon	PHC	Sitapur		1		1						1		1
Sarguja	Dumardeh	PHC	Dhourpur		1		1						1		1
Sarguja	Dumarkhola	PHC	Balrampur		1		1		1						1

District	Site name	Type	Block	Appropriate size of cold chain				Present status				Net requirement			
				Large ILR	Small ILR	Large DF	Small DF	Large ILR	Small ILR	Large DF	Small DF	Large ILR	Small ILR	Large DF	Small DF
Sarguja	Ganeshpur	PHC	Ramanujnagar		1		1		1						1
Sarguja	Ghutarapara	PHC	Batoli		1		1						1		1
Sarguja	Gopalpur	PHC	Rajpur		1		1						1		1
Sarguja	Gorpani	PHC	Bhayadhan		1		1						1		1
Sarguja	Gumgara	PHC	Lakhanpur		1		1		1						1
Sarguja	Guturma	PHC	Sitapur		1		1						1		1
Sarguja	Jamwantpur (aaragahi)	PHC	Ramchandrapur		1		1						1		1
Sarguja	Jawaharnagar	PHC	Kusmi		1		1						1		1
Sarguja	Kamalpur	PHC	Surajpur		1		1						1		1
Sarguja	Kamari	PHC	Shankargarh		1		1						1		1
Sarguja	Kamleshwarpur	PHC	Menpat		1		1	1	1						1
Sarguja	Kandarai	PHC	Surajpur		1		1						1		1
Sarguja	Karsi	PHC	Pratapur		1		1						1		1
Sarguja	Kedma	PHC	Udaypur		1		1		1		1				
Sarguja	Ketaka	PHC	Surajpur		1		1						1		1
Sarguja	Lanjit	PHC	Odgi		1		1						1		1
Sarguja	Lehpatra	PHC	Lakhanpur		1		1		1		1				
Sarguja	Lundra	PHC	Dhourpur		1		1		1						1
Sarguja	Maharajganj	PHC	Balrampur		1		1		1						1
Sarguja	Narbadapur	PHC			1		1	1	4		2				
Sarguja	Nawanagar	PHC	Ambikapur		1		1						1		1
Sarguja	Pampapur	PHC	Pratapur		1		1						1		1
Sarguja	Pasta	PHC	Balrampur		1		1		1						1
Sarguja	Patora	PHC	Dhourpur		1		1						1		1



District	Site name	Type	Block	Appropriate size of cold chain				Present status				Net requirement			
				Large ILR	Small ILR	Large DF	Small DF	Large ILR	Small ILR	Large DF	Small DF	Large ILR	Small ILR	Large DF	Small DF
Sarguja	Raghunath nagar	PHC	Wadarfarnagar		1		1						1		1
Sarguja	Raghunathpur	PHC	Dhourpur		1		1		1						1
Sarguja	Ramchandrapur	PHC	Ramchandrapur		1		1						1		1
Sarguja	Ramkola	PHC	Pratapur		1		1						1		1
Sarguja	Revati	PHC	Pratapur		1		1						1		1
Sarguja	Revatpur	PHC	Rajpur		1		1						1		1
Sarguja	Salka (Aghina)	PHC	Bhayadhan		1		1		1						1
Sarguja	Salka(Udaypur)	PHC	Udaypur		1		1						1		1
Sarguja	Samri	PHC	Kusmi		1		1						1		1
Sarguja	Sanawal	PHC	Ramchandrapur		1		1						1		1
Sarguja	Silota	PHC	Pratapur		1		1						1		1
Sarguja	Sonagara	PHC	Pratapur		1		1						1		1
Sarguja	Sonpur	PHC	Bhayadhan		1		1		1						1
Sarguja	Sukheri	PHC	Ambikapur		1		1		1		1				
Sarguja	Tatijhariya	PHC			1		1						1		1
Sarguja	Umreshrapur	PHC	Premnagar		1		1						1		1
<b>Sarguja</b>				22	65	22	65	15	73	2	43	7	40	16	55
<b>Grand total</b>				<b>190</b>	<b>425</b>	<b>190</b>	<b>425</b>	<b>65</b>	<b>606</b>	<b>91</b>	<b>411</b>	<b>102</b>	<b>206</b>	<b>113</b>	<b>254</b>



**APPENDIX U**

**LIST OF SITES WHERE COLD CHAIN EQUIPMENT IS NOT  
AVAILABLE**

## LIST OF SITES WHERE COLD CHAIN EQUIPMENT IS NOT AVAILABLE

District	Name of site	Site type
Dantewada	Tarlagunda	PHC
Sarguja	Barkela	PHC
Sarguja	Nawanagar	PHC
Sarguja	Aara (Rajpur)	PHC
Sarguja	Revatpur	PHC
Sarguja	Gopalpur	PHC
Sarguja	Dhodhagaon	PHC
Sarguja	Guturma	PHC
Dantewada	Goreli	PHC
Sarguja	Kandarai	PHC
Sarguja	Basdei	PHC
Sarguja	Ketaka	PHC
Jashupur	Shekharapur	PHC
Jashupur	Kerarai	PHC
Jashupur	Kastura	PHC
Jashupur	Champa	PHC
Sarguja	Bataikela (Batoli)	PHC
Sarguja	Ghutarapara	PHC
Sarguja	Chandrameda	PHC
Sarguja	Gorpani	PHC
Sarguja	Revati	PHC
Sarguja	Karsi	PHC
Sarguja	Ramkola	PHC
Sarguja	Silota	PHC
Sarguja	Sonagara	PHC
Sarguja	Pampapur	PHC
Sarguja	Dumardeh	PHC
Sarguja	Bargideh	PHC
Sarguja	Ramchandrapur	PHC
Sarguja	Sanawal	PHC

<b>District</b>	<b>Name of site</b>	<b>Site type</b>
Sarguja	Jamwantpur (aaragahi)	PHC
Sarguja	Raghunath nagar	PHC
Sarguja	Bartikalan	PHC
Sarguja	Samri	PHC
Sarguja	Chando	PHC
Sarguja	Jawaharnagar	PHC
Sarguja	Depadeah	PHC
Sarguja	Kamari	PHC
Korea	Mansukh	PHC
Korea	Buhar	PHC
Korea	Belbehra	PHC
Korea	Sonhari	PHC
Korea	Badesalhi	PHC
Korea	Kuwarpur	PHC
Korea	Bharatpur	PHC
Korea	Madisarai	PHC
Korea	Kotadol	PHC
Jashupur	Bataikela	PHC
Jashupur	Narayanpur	PHC
Dantewada	Pusgudi	PHC
Dantewada	Surnar	PHC
Kavarda	Damapur	PHC
Kavarda	Kishangarh	PHC
Jashupur	Ranpur	PHC
Durg	Chhirha	PHC
Durg	Chandanu	PHC
Dantewada	Arahanpur	PHC
Dantewada	Potali	PHC
Dantewada	Burdi	PHC
Durg	Amadula	PHC
Rajnandgaon	Badgaon (Dongargaon)	PHC
Bastar	Kalepal	PHC
Korba	Bhaisma	PHC

<b>District</b>	<b>Name of site</b>	<b>Site type</b>
Korba	Tilkeja	PHC
Korba	Korgoma	PHC
Korba	Kudumura	PHC
Korba	Shayang	PHC
Korba	Lemaru	PHC
Korba	Ajgar Bahar	PHC
Raigarh	Bangursiya	PHC
Raigarh	Dumarpali	PHC
Raigarh	Navrangpur	PHC
Raigarh	Midmida	PHC
Raigarh	Badebhandar	PHC
Raigarh	Barra	PHC
Raigarh	Bijkot	PHC
Raigarh	Turekela	PHC
Rajnandgaon	Dugrideahkala	PHC
Rajnandgaon	Surgi	PHC
Rajnandgaon	Rangkatera	PHC
Sarguja	Salka(Udaypur)	PHC
Korea	Katgodi	PHC
Korea	Ramgarh	PHC
Korea	Tegni	PHC
Sarguja	Patora	PHC
Sarguja	Umreshrapur	PHC
Sarguja	Chandarpur	PHC
Sarguja	Biharpur Chandni	PHC
Sarguja	Lanjit	PHC
Sarguja	Kamalpur	PHC
Bastar	Titargaon	PHC
Bastar	Kumrahwand	PHC
Dhamtari	Bhatgaon (Dhamtari)	PHC
Dhamtari	Sirri	PHC
Durg	Nagpura	PHC
Dhamtari	Gattasilli	PHC

<b>District</b>	<b>Name of site</b>	<b>Site type</b>
Rajnandgaon	Udaipur	PHC
Durg	Sanjari	PHC
Kanker	Bhanbeda	PHC
Kanker	Badgaon (Koyelobeda)	PHC
Kanker	Haradula	PHC
Kanker	kottara	PHC
Bastar	Dhanora (Narayanpur)	PHC
Raipur	Amasini	PHC
Raipur	Boriyakalan	PHC
Raipur	Bhatagaon	PHC
Raipur	Torla	PHC
Raipur	Rasla	PHC
Raipur	Patsivni	PHC
Raipur	Udan	PHC
Raipur	Lakhanpur (Palari)	PHC
Raipur	Kosmandi	PHC
Raipur	Gidhpuri	PHC
Raipur	Risda	PHC
Raipur	Raja devri	PHC
Raipur	Sonakhan	PHC
Raipur	Barpali	PHC
Raipur	Katangi	PHC
Raipur	Mopar	PHC
Raipur	Kondkera	PHC
Raipur	Jhangaon	PHC
Raipur	Bhansoj	PHC
Raipur	Kurud Kutela	PHC
Korba	Lafa	PHC
Korba	Mahora	PHC
Janjgir	Shivrinarayan	PHC
Korba	Kerakchar	PHC
Korba	Chiknipali	PHC
Korba	Kothari	PHC

<b>District</b>	<b>Name of site</b>	<b>Site type</b>
Korba	Saragbudhiya	PHC
Korba	Rampur	PHC
Korba	Farsawani	PHC
Korba	Jataga	PHC
Korba	Tuman	PHC
Korba	Morga	PHC
Mahasamund	Birkoni	PHC
Mahasamund	Khatti	PHC
Mahasamund	Jhara	PHC
Mahasamund	Khallari	PHC
Mahasamund	Bhitideah	PHC
Mahasamund	Baroli	PHC
Mahasamund	Pathsendari	PHC
Mahasamund	Chanat	PHC
Bilaspur	Dashrangpur	PHC
Bilaspur	Salhegori	PHC
Jashupur	Bhagora	PHC
Jashupur	Tamta	PHC
Jashupur	Baghbahra	PHC
Jashupur	Kukargaon	PHC
Jashupur	Laudang	PHC
Jashupur	Dokada	PHC
Jashupur	Kilkila	PHC
Jashupur	Chichli	PHC
Jashupur	Kurog	PHC
Jashupur	Menhi	PHC
Jashupur	Son Bayari	PHC
Jashupur	Aasta	PHC
Jashupur	Peku	PHC
Jashupur	Aara (Jashpunagar)	PHC
Jashupur	Pendrapath	PHC
Raigarh	Sarwani	PHC
Jashupur	Kalega	PHC



<b>District</b>	<b>Name of site</b>	<b>Site type</b>
Jashupur	Keradih	PHC
Jashupur	Palidih	PHC
Jashupur	Goriya	PHC
Durg	Surdongar	PHC
Dantewada	Bhusaras	PHC
Kavarda	Bhibori	PHC
Kavarda	Panda tarai	PHC
Kavarda	Chirpani	PHC
Dantewada	Metapal	PHC
Dantewada	Podung	PHC
Dantewada	Pamed	PHC
Raigarh	Keya	PHC
Raigarh	Tendanawapara	PHC
Raigarh	Kudamkela	PHC
Raigarh	Lamdad	PHC
Raigarh	Rajpur (Lailunga)	PHC
Raigarh	Laripani	PHC
Raigarh	Nukdega	PHC
Raigarh	Libra	PHC
Raigarh	Urba	PHC
Raigarh	Hirri	PHC
Raigarh	Bhedban	PHC
Raigarh	Godam	PHC
Raigarh	Sariya	PHC
Raigarh	Dongarpali	PHC
Raigarh	Chalha	PHC
Raigarh	Kumarta	PHC
Raigarh	Chal	PHC
Raigarh	Sisringa	PHC
Raigarh	Kankaya	PHC
Raigarh	Hati	PHC
Raigarh	Putkapuri	PHC
Raigarh	Khamar	PHC

District	Name of site	Site type
Sarguja	Tatijhariya	PHC
Bastar	Banoon	PHC

## ENDNOTES

<sup>i</sup> Beyond repair: extensive damage to the body and rusted, damaged CFC-based compressors.

<sup>ii</sup> Source: Ministry of Health, Chhattisgarh

<sup>iii</sup> One operational PHC and 6 CHCs were not accessed by technicians.

<sup>iv</sup> Source: Ministry of Health, Chhattisgarh

<sup>v</sup> Figures obtained from office of State Immunization officer. OPV and DPT figures appears to be unrealistic

<sup>vi</sup> 1991 Census, source: <http://raipur.nic.in/stat.htm#Bk3>

<sup>vii</sup> Source: <http://mahasamund.nic.in/>

<sup>viii</sup> 2001 Census, source : <http://dhamtari.nic.in/prof.htm>

<sup>ix</sup> 1991 Census, source : <http://durg.nic.in/sta.htm>

<sup>x</sup> Source: <http://rajnandgaon.nic.in/ataglance.htm>

<sup>xi</sup> 1991 Census, source : <http://kawardha.nic.in/>

<sup>xii</sup> 2001 Census, source: <http://bastar.nic.in/>

<sup>xiii</sup> Source: <http://kanker.nic.in/profile.htm>

<sup>xiv</sup> 2001 Census, source: <http://dantewada.gov.in/vital.htm>

<sup>xv</sup> 2001 Census, source: <http://bilaspur.nic.in/infn.htm>

<sup>xvi</sup> 2001 Census, source: [http://janjgir-champa.nic.in/census\\_2001.htm](http://janjgir-champa.nic.in/census_2001.htm)

<sup>xvii</sup> 2001 Census, source: [http://korba.nic.in/Pop\\_Kor.pdf](http://korba.nic.in/Pop_Kor.pdf)

<sup>xviii</sup> Source: <http://raigarh.nic.in/profile.htm>

<sup>xix</sup> 2001 Census, source: <http://jashpur.nic.in/>

<sup>xx</sup> 2001 Census, source: <http://surguja.nic.in/Areaprofile.htm>

<sup>xxi</sup> Source : <http://korea.nic.in/>

<sup>xxii</sup> List of PHCs in the state was provided by State immunization Officer, Dr. Subhash Pandey, Raipur

<sup>xxiii</sup> Mr. Sandeep Tiwari could not attend the training programme due to illness. Mr. Kale, who is assistant to Mr. Tiwari, attended the programme instead.

<sup>xxiv</sup> Jagdalpur being a large district has been divided between two teams.