

Government of West Bengal
Department of Health and Family Welfare

Bio-Medical Waste Management for Rural Health Care System



IMPLEMENTATION PLAN for DISTRICT BANKURA

**Report of the Working Group
on Health Care Waste Management
with Technical Support from GTZ and DISHA**

September 2007

CONTENTS

Acknowledgement

Introduction	6
The Team	7
List of Abbreviations	9
<i>What is to be implemented?</i>	10
A. General Plan	11
I. Basic Policy	11
II. Legal Compliance	13
A. Duty of Occupier	13
B. Authorisation	13
C. Annual Report	13
D. Accident Reporting	13
E. Segregated Collection	13
F. Storage	14
G. Transportation	14
H. Treatment and Disposal	15
I. Standards for Gravity Flow Autoclaving	15
J. Standard for Chemical Disinfection	15
K. Standards for Deep Burial	15
L. Standards for Liquid Waste	15
M. Label for Bio-Medical Waste Containers and Bags	15
N. Maintenance of Records	15
O. Central Pollution Control Board Guidelines	15
III. Important Implementation Issues	16
A. Waste Minimisation	16
B. Occupational Health Management	17
C. Spill Management	17
D. System Compatibility	17
E. Defanging Injection Syringes	18
F. Immediate Decontamination of Cut Needles	18
G. Preference for CTFs	18
H. Use of Steam Sterilisers	18
I. Cleaning of Bins	18
J. Bins to be used in 2 sets	19
K. Placement of Bins	19
IV. Plan Lay Out	20
A. Coverage	20
B. Two Broad Categories of HCUs	20
C. Categories of Waste Generated in HCUs	20

D. Quantity of Waste Generated by Category per Day in HCUs	21
E. General Instructions for collection, treatment and disposal of waste	22
F. Options and Flow Charts for collection, treatment and disposal	26
V. Equipments	32
A. Autoclave or Common Steam Steriliser	32
B. Bags and Bins	33
C. Needle Cutter with Safety Box	34
D. Bleach Solution	34
E. Container	35
F. Tool Kit	36
G. Trolley	37
H. PPEs	38
VI. Constructions	39
A. Sharp Pit	39
B. Campus Pit	40
C. Trench	41
D. Vats for infected biodegradable and recyclable waste	42
E. Store for general and decontaminated recyclables waste	43
F. Sterilisation Room	44
G. Storage and Treatment Facility for Infectious Liquid Waste	45
<i>Where it is to be implemented?</i>	46
I. Coverage	47
II. Number of HCUs	47
III. List of HCUs by Block by Category	48
<i>How it is to be implemented?</i>	60
I. Administration of Health Care Waste Management	61
A. State Level	61
B. District Level	62
C. Health Care Unit (HCU) Level	63
II. Detailed Operational Plan for HCUs by Category	64
A. Outreach Session	64
B. Sub-Centre	64
C. RH / BPHC / PHC	65
III. Requirement of Legal Compliance, Constructions and Equipments	67
A. Check List by Item and by Category of HCUs	67
B. Check List by Block	68
C. Check List by Block by HCU	69
IV. Block Wise Waste Movement from Sub-Centres	91
A. Cut Syringes and Used Vials	91
B. Cut Needles	91
C. Detailed Table of Movement of Cut Syringes and Used Vials	92

V. Training (Capacity Building)	103
A. Training Objectives	103
B. Target Group	104
C. Identifying Training Requirements	104
D. Training Needs Assessment	105
E. District Personnel Training Requirement Table	106
VI. Monitoring safe disposal of Health Care Waste	108
A. Three Level Monitoring	108
B. Responsibilities of HCWM Cell at the District Hqrs.	109
C. Responsibilities of Panchayet (Local Government), H&FW Samities	110
D. Responsibilities and Tools for three level monitoring at HCU level	110
VII. Important Implementation Steps	111
VIII. Cost of Implementation	112
A. Costs for different categories of HCU	113
B. Consolidated Costs for each category of HCU	114
C. District Cost	120
D. Cost by Block	121

ANNEXURES **143**

Annexure I	Duty of Occupier [Rule 4]	144
Annexure II	Authorisation [Rule 8]	144
Annexure III	Annual Report [Rule 10]	144
Annexure IV	Accident Reporting [Rule 12]	144
Annexure V	Schedule II: Colour Coding & Type of Container	145
Annexure VI	Schedule III: Label for Bio-Medical Waste Containers/Bags	145
Annexure VII	Segregation, Packaging, Transportation & Storage [Rule 6]	146
Annexure VIII	Schedule IV: Label for Transport of BMW containers/Bags	147
Annexure IX	Schedule I: Categories of Bio-Medical Waste	148
Annexure X	Schedule V: Standards for Treatment & Disposal of BMW	149
Annexure XI	Maintenance of Records [Rule 11]	152
Annexure XII	Form I – for Application for Authorisation	153
Annexure XIII	Form II – for Annual Report	154
Annexure XIV	Form III – for Accident Reporting	155
Annexure XV	Specimen format for Record Keeping	156
Annexure XVI	Specimen Check List for Monitoring	157
Annexure XVII	Mercury Waste Management	161
Annexure XVIII	IEC Strategy	163
Annexure XIX	A Note on Recycling	164
Annexure XX	A Note on Private Initiatives	166

Acknowledgement

Health workers in rural government health care units who are striving hard for implementation of bio-medical waste management facing many odds and occupational hazards.

Introduction

*DISHA was entrusted with the task to develop a **Strategy Design for Bio-Medical Waste Management for the Basic Health Care System** provided by the State Government in rural areas of West Bengal in rural areas comprising of 251 Block Primary Health Centres, 922 Primary Health Centres and 10356 Sub-Centres and more than 20000 Out Reach Immunisation Session sites.*

*Completion of the above task called for pilot implementation of the Strategy Design before introducing it to the whole state. The Department of Health and Family Welfare, Government of West Bengal has identified the District of Bankura for pilot implementation and DISHA has been entrusted with the task to develop an **Implementation Plan for Bio-Medical Waste Management for the Health Care System in the rural sector of the District of Bankura** comprising of Rural Hospitals, Block Primary Health Centres, Primary Health Centres, Sub-Centres and Out Reach Immunisation Session sites.*

The Implementation Plan for Bio-Medical Waste Management for the Health Care System in the rural sector of the District of Bankura has been developed through an exercise involving thorough review of available literature on BMWM, detailed consultations with responsible officers of H & FW Deptt. at the State and District levels, ground level assessment of HCU facilities, physical auditing of the waste generated at each level of HCUs and intimate discussions with Superintendents, BMOHs, MoICs, BPHNs and HA(F)s.

A base line survey of waste recycling for every block in the district of Bankura has also been undertaken to ascertain possibilities of recycling for the recyclable waste generated in the HCUs.

The present document is aimed at presenting a comprehensive implementation plan for BMWM for the rural health care sector in the District of Bankura including all its nodal areas i.e. collection, storage, transportation, treatment and disposal along with administration, training, monitoring and the necessary steps for their integrated utilization.

It is expected that the Bio-Medical Waste managers and handlers will find this document useful and will develop it further through their knowledge, practice and experience.

– Pradip Chatterjee.

Kolkata, 15 September 2007

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List of Abbreviations

BMW	Bio-Medical Waste	HCWM	Health Care Waste Management
BMWM	Bio-Medical Waste Management	H & FW	Health and Family Welfare
BMOH	Block Medical Officer of Health	MOIC	Medical Officer in Charge
BPHN	Block Primary Health Nurse	MoEF	Ministry of Environment and Forest
BPHC	Block Primary Health Centre	ORS	Out Reach Session
CMOH	Chief Medical Officer of Health	PCB	Pollution Control Board
CPCB	Central Pollution Control Board	PHC	Primary Health Centres
CTF	Central Treatment Facility	PPE	Personal Protective Equipment
CD	Chemical Disinfection	RH	Rural Hospital
GP	Gram Panchayet	SIHFW	State Institute of Health & Family Welfare
HCU	Health Care Unit	SC	Sub Centres
HA	Health Assistant	UIP	Universal Immunization Programme
HA (F)	Health Assistant (Female)	VDC	Vaccine Distribution Centre
HCW	Health Care Waste	WMI	Waste Management In-charge

What is to be implemented?

A. General Plan

I. Basic Policy for Health Care Waste Management for Health Care Waste Management in Rural Sector:

The universally accepted objective of the Health Care Waste Management is to manage the waste generated through health care practices in such a way that is harmless to the environment in general and the community in particular. This is a component of the principle of “Health Care Without Harm”.

The basic policy under this objective has been to evolve and implement a system for Health Care Waste Management (HCWM) in the rural sector which –

- ***Complies with existing rules and guidelines:*** The statutory instructions contained in the Bio-Medical Waste (Management and Handling) Rules, 1998 read with the Guidelines issued by Central Pollution Control Board (CPCB) have to be complied with.
- ***Is economic to run:*** It is important to ensure that the cost of HCWM for the huge network of HCUs is kept at the necessary minimum both for sustainability and allocation of more resources for medical service.
- ***Is simple to adopt:*** The HCWM system should be easily adaptable and user friendly for the people who are supposed to run it.
- ***Is incremental in approach:*** Primary attention is to be attached to implement the system with a view to address the most important and serious problems first and sort out the others, if needed, gradually.
- ***Is effective as a system:*** The system must ensure safe, eco-friendly and sustainable handling and management of health care waste.
- ***Based on stakeholders’ (especially the community’s) involvement:*** Successful implementation of the system depends on active involvement of stakeholders, i.e., administrators, medical workers, waste handlers, patients and the community at large.
- ***Utilises existing waste management facilities:*** To be more economic and adaptable the system should make use of the existing systems, equipments and human resources for waste management as much as possible.

- ***Utilises existing vaccine delivery route:*** Existing vaccine delivery routes and personnel should be utilised as far as possible to ensure regular collection of health care (immunisation) waste from the Sub-Centres and Out-Reach Sessions.
- ***Maximise resource recovery:*** The recyclables in health care waste should be decontaminated and recycled as far as possible to ensure sustainability, saving disposal space and value recovery.
- ***Minimise use of plastic bags:*** Use of plastic bags for HCWM should be kept at necessary minimum this ensures minimization of waste generated in the process of waste management.

II. Legal Compliance

A. *Duty of Occupier* [Annexure – I]

It shall be the duty of every occupier of an institution generating bio-medical waste to take all steps to ensure that such waste is handled without any adverse effect to human health and the environment.

["Occupier" in relation to any institution generating bio-medical waste, means a person who has control over that institution and/or its premises.]

B. *Authorisation* [Annexure – II]

According to the Bio-Medical Waste (Management and Handling) Rules, 1998 each of the RHs, BPHCs and PHCs will have to apply for authorization in Form I [Annexure – XII] from the West Bengal Pollution Control Board as they attend to more than 1000 patients in a month.

Concerned Superintendent / BMOH / Medical Officer-in-Charge is responsible to apply for authorisation.

C. *Annual Report* [Annexure – III]

Every authorised health care unit (RHs, BPHCs and PHCs authorized by WBPCB) will have to submit annual report to the prescribed authority (WBPCB) in Form II [Annexure – XIII] by 31st January every year.

Concerned Superintendent / BMOH / Medical Officer-in-Charge are responsible to submit annual report.

D. *Accident Reporting* [Annexure – IV]

Accidents will have to be reported to the WBPCB by the authorised person (Superintendent / BMOH / Medical Officer-in-Charge) in Form III [Annexure – XIV]

E. *Segregated Collection* [Annexure –VII]

(1) Bio-medical waste shall not be mixed with other wastes.

(2) Bio-medical waste shall be segregated into containers/bags at the point of generation in accordance with Schedule II [Annexure – V] prior to its storage, transportation, treatment and disposal. The containers shall be labeled according to Schedule III [Annexure – VI].

F. Storage [Annexure – VII]

No untreated bio-medical waste shall be kept stored beyond a period of 48 hours.

Provided that if for any reason it becomes necessary to store the waste beyond such period, the authorised person must take permission of the prescribed authority and take measures to ensure that the waste does not adversely affect human health and the environment.

G. Transportation [Annexure – VII]

If a container is transported from the premises where bio-medical waste is generated to any waste treatment facility outside the premises, the container shall, apart from the label prescribed in Schedule III [Annexure – VI], also carry information prescribed in Schedule IV [Annexure – VIII].

Notwithstanding anything contained in the Motor Vehicles Act, 1988, or rules there under, untreated biomedical waste shall be transported only in such vehicle as may be authorised for the purpose by the competent authority as specified by the government.

H. Treatment & Disposal

Bio-medical waste shall be treated and disposed of in accordance with Schedule I [Annexure – IX], and in compliance with the standards prescribed in Schedule V [Annexure – X].

Every occupier, where required, shall set up in accordance with the time-schedule in Schedule VI, requisite bio-medical waste treatment facilities like incinerator*, autoclave, microwave system for the treatment of waste, or, ensure requisite treatment of waste at a common waste treatment facility or any other waste treatment facility.

I. Standards for gravity flow autoclaving

Detailed standards for gravity flow autoclaving is given in Schedule V [Annexure – X]

Considering the average quantities of waste generated in RH, BPHC & PHC it is suggested that for RHs, BPHCs and PHCs Common Steam Steriliser may be opted for in place of Autoclave with digital recording system.

But this has to be approved by the State Pollution Control Board.

* **Incinerator is not an option in this plan**

J. Standard for Chemical Disinfection:

Chemicals treatment using at least 1% hypochlorite solution or any other equivalent chemical reagent.

K. Standards for Deep Burial

Detailed standards for Deep Burial are given in Schedule V [Annexure – X]

Considering maintenance problems and the need to have a more impermeable structure Campus Pits are suggested for burying Anatomical and Sharp Waste at RHs, BPHCs and Phcs. Commissioning of Campus Pits has been approved by the State Pollution Control Board for secondary level hospitals.

L. Standards for Liquid Waste

Liquid Waste coming out of the Health Care Unit shall be of standard specified in Schedule V [Annexure – X] of the BMW Rules.

M. Label for Bio-Medical Waste Containers/Bags:

All Containers / Bags containing Bio-Medical Waste shall be marked with labels bearing Bio-Hazard inscription and symbol given in Schedule III [Annexure – VI]

N. Maintenance of Records: [Annexure – XI & Annexure – XV]

- I. Every authorised person shall maintain records related to the generation, collection, reception, storage, transportation, treatment, disposal and/or any form of handling of bio-medical waste in accordance with these rules and any guidelines issued.
- II. All records shall be subject to inspection and verification by the prescribed authority at any time.

O. Central Pollution Control Board Guidelines:

- (i) CPCB Guidelines for Disposal of BMW generated during UIP suggests boiling as a treatment option where autoclave is not available. This will require approval of State Pollution Control Board.
- (ii) CPCB Guidelines on Common Treatment Facilities and Incineration suggests that no categories of bio-medical waste other than Cat.1 & Cat.2 are to be incinerated.

III. Important Implementation Issues

A. Waste Minimisation

Minimising the waste in general and bio-medical waste in particular reduces the cost and troubles of waste management on the one hand and saves environmental cost on the other.

At the heart of waste minimisation are activities that: -

- **Reduce waste generation,**
- **Reuse non-contaminated and decontaminated waste, and**
- **Recycle non-contaminated and decontaminated waste.**

Proper Purchase Policy – can reduce waste by opting for bulk purchase to minimise the packaging waste and negotiating with vendors to provide materials that can be reused and/or recycled.

Doing away with disposable items and opting for reusable items as far as possible reduces waste generation.

Proper Segregation – separate collection of general and infectious waste reduces the quantity of infectious waste that has to be treated before disposal.

Proper Treatment of infectious waste can reduce waste by destroying the pathogens but protecting the materials that can be composted or recycled.

Composting the Bio-Degradable waste from both the general and the infectious waste streams further reduces the quantity of waste to be finally disposed.

Recycling the Recyclable waste from both the general and the infectious waste streams also reduces the quantity of waste to be finally disposed.

Avoiding Hazardous Materials like mercury and PVC in hospital equipments and utilities helps prevent toxic risks of their recycling and disposal.

These principles and policies call for a whole course of action comprising of adopting policies, developing strategies, assessing possibilities, fixing targets, making action plans and getting started together with support from top management level to staff process ownership at the ground level.

B. Occupational Health Management:

Health care waste contains infectious / hazardous waste. As such management of health care waste calls for proper arrangement of health and safety measures for the health care personnel and waste handlers.

The essentials of health and safety measures to be adopted are –

- i.** Sensitization of the health care personnel and waste handlers to the risks involved and necessity for protective measures.
- ii.** Proper training for taking protective measures.
- iii.** Proper availability and use of personal protective equipments and washing facilities.
- iv.** Adoption of effective occupational health programme that includes surveillance along with health check-up and immunisation of health care personnel and waste handlers.
- v.** Commissioning an Emergency Response System to deal with accidents (first aids, reporting, health check-up with further necessary measures, spill management).

C. Spill Management:

Hazardous Material Spillage: Accidental spillage of hazardous liquids (contaminated blood, body fluid, etc.) shall be absorbed using cotton / gauge to contain the spill. The spillage area to be decontaminated by 1% hypochlorite solution or bleaching powder with about 30 minutes contact time and then cleaned taking the material for disposal (as in the case of infectious soiled waste). The spillage area shall then be cleaned with tap water.

Mercury Spillage: Sulphur powder shall be poured over spillage area to prevent mercury vaporization. Spilled mercury droplets to be collected into a glass container with water by using syringe or stiff paper. The glass container shall then be capped and sealed. Hand gloves shall be used in handling the spillage. The capped container should be kept in a safe place till proper disposal. The spillage area, after removal of mercury, shall be cleaned with mercury neutralizing solutions like 20% calcium sulphide solution, 20% sodium thiosulphate solution, etc.

[More in Annexure – XVII]

D. System Compatibility:

Management of waste in Rural Hospitals was included in the West Bengal State Health Development Project II (WBSHSDP II). The system developed under (WBSHSDP II) differs from the present system in some aspects. Inclusion of Rural Hospitals in the present implementation plan will naturally call for an exercise to upgrade their present system to make it compatible with the implementation plan.

In this regard, it is important to mention that –

- (iii) The RHs in Bankura have some idle *Autoclaves* without digital recording facility. These may be used if so allowed by WBPCB and decided by the Health Department. In that case cost towards purchasing of Autoclave / Common Steam Sterilizer for RHs may be avoided.
- (iv) The RHs in Bankura have *Campus Pits*. These campus pits may be utilised in implementation of the present plan depending on their physical condition and the availability of disposal space in those. Some of the pits have already been fully or nearly filled up due to disposal of all kinds of waste in those.

E. Defanging Injection Syringes:

Needles are to be removed from syringes immediately after administering injection using a suitable syringe / needle cutter that cuts plastic hub of syringe and not the metal part of needle.

F. Immediate Decontamination of Cut Needles:

Cut needles are to be chemically disinfected in Safety Box immediately to preclude infection from needle-stick injury.

G. Preference for CTFs:

Common Treatment Facilities (CTFs) are to be opted for wherever possible.

H. Use of Steam Sterilisers:

- B. Where Autoclave with recording facility is not available, common Steam Sterilisers may be used for treatment of infectious waste as a transitional measure. CPCB “Guidelines for Disposal of Bio-medical Waste Generated during Universal Immunisation Programme (2004)” suggests boiling in water where autoclaving is not available. This will require approval of State Pollution Control Board.

I. Cleaning of Bins:

The proposed system suggests not using plastic bags for soiled, solid and sharp waste. The bins for respective categories of waste have to be thoroughly cleaned by washing with disinfectants each time after emptying.

J. Bins to be used in 2 Sets:

Used Bins should be replaced by clean Bins when taking the former for release of collected waste and cleaning.

K. Placement of Bins:

Safety Box for sharp waste and bins for collection of other bio-medical waste should be strictly under the charge of concerned medical workers (nurses, pathologists, lab technicians etc.) and are to be placed specifically at the places of generation of such waste (nursing station, labour room, laboratory etc.) Patients and visitors should not have access to these containers.

IV. Plan Lay Out

A. Coverage –

The Health Care Waste Management implementation plan is to cover all the Rural Hospitals, Block Primary Health Centres, Primary Health Centres, Sub-Centres and Out-Reach Sessions running in the District of Bankura.

B. Two Broad Categories of HCUs –

Rural Hospitals, Block Primary Health Centres and Primary Health Centres represent a similarity in that the wastes generated in these health care units are similar in category though there are variations in kinds and quantity of waste items.

On the other hand Sub-Centres and Out-Reach Sessions generate almost similar category of waste.

Thus the categories of waste generated in RHs, BPHCs and PHCs are as in the following:

C. Categories of Waste Generated in HCUs –

Waste Category	Waste Items	RH	BPHC	PHC
General				
Recyclable	Paper, Plastic & Glass discards	√	√	√
Compostable	Food Refuse, Vegetable and Fruit peels	√	√	√
Biomedical				
Sharps	Needles, Broken Glass, Scalpel, Blade	√	√	√
Anatomical	Placenta, Human Body Tissue, Tooth*	√	√	√
Solid**	Plastic Tubing, Catheter, Blood and Urine Bag, Plastic and Glass Vial, Defanged Syringe etc.	√	√	√
Soiled***	Used Cotton, Bandage, Napkin	√	√	√

* Tooth waste is generated from the dental unit (only RHs have such facility).

** Solid Waste is mainly made of recyclables.

*** Soiled Waste is mainly made of compostables.

The categories of waste generated in SCs and ORSs are as in the following:

Waste Category	Waste Items	SC / ORS
General		
Recyclable	Paper, Plastic & Glass discards	√
Biomedical		
Sharps	Needles, Broken Glass.	√
Solid**	Plastic and Glass Vial, Defanged Syringe etc.	√
Soiled***	Used Cotton Swab.	√

** Solid Waste is mainly made of recyclables.

*** Soiled Waste is mainly made of compostables.

D. Quantities of Waste Generated by Category per day in HCUs –

HCU	CATEGORY OF WASTE (Weight in gram)					
	Bio-Medical				General	
	Anatomical	Sharps	Soiled (Compostable)	Solid (Recyclable)	Compostable	Recyclable
ORS/SC (for around 50 beneficiaries)	X	30	10	300	X	70
PHC (Non-bedded)	X*	150.	200	200	300	200
PHC (10 Bedded)	400	250	1200	700	2000	1200
BPHC (30 Bedded)	1650	750	3000	1500	6300	4200
RH (50 Bedded)	2750	1250	5000	2500	10500	7000

For bedded institutions at the basic health care facilities about 750 grams of waste is generated per bed per day of which about 60% are General Waste and about 40 % are Bio-Medical Waste.

In sub-centers and outreach sessions about 10grams of waste is generated per beneficiary and about 80% of these are infectious bio-medical waste.

* Non-bedded PHCs also provide for emergency delivery of pregnant mothers. As such, there may be occasional generation of anatomical waste (placenta).

E. General Instructions for collection, treatment and disposal of waste –

Avoiding multiple handling and facilitating composting and recycling call for segregated collection of (a) General and Bio-Medical Waste; (b) different categories of Bio-Medical Waste in accordance with the treatment and disposal options practiced; (c) Recyclable and Biodegradable (non-recyclables) waste.

RH / BPHC / PHC:

(i) *Collection of waste:* Waste shall be primarily collected at the point of generation in segregated manner in specified containers as in the following:

Biodegradable (General) Waste shall be collected in *Green Bins*.
Recyclable (General) Waste shall be collected in *Off-White Bins*.

Sharps (Biomedical) Waste shall be collected in *Blue Safety Box* with *1% bleach solution*.

Solid (Biomedical) Waste shall be collected in *Blue Bins* after *mutilation*.

Soiled (Biomedical) Waste shall be collected in Red Bins.

Anatomical (Biomedical) Waste shall be collected in *Yellow Bag* kept in *Yellow Bin*.

All bins shall be lidded.

The Bins shall be placed nearest to generation point.

Caution should be exercised to ensure that each kind of waste is collected in the specific container meant for it and there is no mixing of different kinds of waste.

Caution should be exercised to ensure that the safety box and bins meant for biomedical waste are kept and used under close supervision of concerned medical workers.

All containers of waste (Bins, Safety Boxes) shall be taken for disposal of waste and replaced with a fresh set of containers at least once a day.

All used containers of waste (Bins, Safety Boxes) shall be cleaned with bleach after taking out the waste.

The containers of waste (Bins, Safety Boxes) will be taken for disposal / treatment of waste in trolleys. General Waste containers shall be taken in *open trolley*. Biomedical Waste containers shall be taken in dedicated *covered trolley with bio-hazard symbol*.

Recyclable (Solid) and Non-Recyclable (Soiled) Biomedical Waste containers shall be kept separately in Vats before treatment for decontamination.

Recyclable General Waste shall be stored in a suitable storage facility before disposal for recycling.

(ii) Treatment of waste: Treatment of different categories of Biomedical waste shall be as in the following:

Sharps (Biomedical) Waste shall be treated with 1% Bleach Solution in *Safety Box*.

Solid (Biomedical) Waste kept in the vat shall be treated separately in Autoclave / Common Steam Steriliser*.

Soiled (Biomedical) Waste kept in the vat shall be treated separately in Autoclave / Common Steam Steriliser*.

(iii) Disposal of waste: Waste shall be disposed as in the following:

Biodegradable (General) Waste containers (Green Bins) shall be taken directly to trenching site by open trolley. The Biodegradable (General) Waste shall be buried in Trench for biodegradation.

Recyclable (General) Waste containers (Off-White Bins) shall be taken to the storage facility for recyclables by open trolley. The Recyclable (General) Waste shall be kept there before sending for recycling.

Sharps (Biomedical) Waste containing Blue Safety Box shall be taken directly to the Campus Pit. The spent bleach solution shall be drained. The sharp waste shall be put in the Campus Pit.

Solid Recyclable (Biomedical) Waste shall be taken from the Steriliser (Autoclave / Common Steam Steriliser) after treatment to the storage facility for recyclables. The decontaminated Recyclable (Biomedical) Waste shall be kept there before sending for recycling.

Soiled Biodegradable (Biomedical) Waste shall be taken from the Steriliser (Autoclave / Common Steam Steriliser) after treatment to the trenching site to be buried in Trench for biodegradation.

Anatomical (Biomedical) Waste containing Yellow Bag shall be taken directly to the Campus Pit in Covered Trolley. The Yellow Bag with Anatomical (Biomedical) Waste shall be put in the Campus Pit.

*Considering the average quantities of waste generated in RH, BPHC & PHC it is suggested that for RHs & BPHCs either Autoclave or Common Steam Steriliser and for PHCs Common Steam Steriliser should be opted for.

Sub-Centre & Out-Reach Session:

(i) Collection of waste: Waste shall be primarily collected at the point of generation in segregated manner in specified containers as in the following:

General Waste:

General Waste generated at the Sub-Centre and the Out-Reach Session is very little in quantity and mainly recyclable in nature.

At the Out-Reach Session these shall be collected in the Pouch Pocket of the Kit Bag and taken back to the concerned Sub-Centre to be disposed with the recyclable general waste generated at the Sub-Centre.

Bio-Medical Waste:

Sharps (Cut Needles, Broken Ampules) Waste shall be collected in *Blue Safety Box* with *1% bleach solution*.

Solid (Cut Syringes, Used Vials) Waste shall be collected in the *Container* with *1% bleach solution*.

Soiled (Cotton Swabs) Waste shall be collected in the *Lid Chamber* of *Container* with *1% bleach solution*. Very little quantity of used cotton swab is generated at the Sub-Centre and ORS.

After decontamination the spent bleach solution shall be drained leaving the decontaminated waste in the specified container.

Each category of waste is to be taken back from the ORS site, in specified container, to the concerned Sub-Centre for disposal.

Caution should be exercised to ensure that each kind of waste is collected in the specific container meant for it and there is no mixing of different kinds of waste.

Caution should be exercised to ensure that the safety box, container and kit bag meant for health care waste are kept and used under close supervision of concerned medical workers.

(ii) Treatment of waste: Treatment of different categories of Biomedical waste shall be as in the following:

Sharps (Cut Needles, Broken Ampules) Waste shall be treated with *1% bleach solution in Blue Safety Box*.

Solid (Cut Syringes, Used Vials) Waste shall be treated with *1% bleach solution in the Container*.

Soiled (Cotton Swabs) Waste shall be treated with *1% bleach solution in the Lid Chamber of Container*.

(iii) Disposal of waste: At the Sub-Centre the waste shall be disposed as in the following –

General Waste:

These shall be disposed in the general waste stream or stored and taken to the nearest RH / BPHC / PHC, once in a month, to be sent for recycling along with the recyclable waste generated in those HCUs.

Bio-Medical Waste (Decontaminated):

Sharps (Cut Needles, Broken Ampules) Waste collected and decontaminated by 1% bleach solution in the *Safety Box* shall be disposed in Sharp Pit (if available) or sent for disposal in the Campus Pit of the nearest RH / BPHC / PHC. The *Safety Box* may be used to carry the Sharps. Usual *Vaccine Carriers* shall be utilised to carry and deliver the Sharp Waste.

Solid (Cut Syringes, Used Vials) Waste collected and decontaminated by 1% bleach solution in the *Container* shall be sent to the nearest RH / BPHC / PHC, once in a week. Usual *Vaccine Carriers* shall be utilised to carry and deliver the Solid Waste. This waste shall be sterilized in the steam sterilization facility available at the RH / BPHC / PHC before sending for recycling along with the recyclable waste generated in those HCUs as double check precaution.

Soiled (Cotton Swabs) Waste collected in the *Lid Chamber of Container* shall be put either in a small pit dug for the purpose or disposed in the sharp pit.

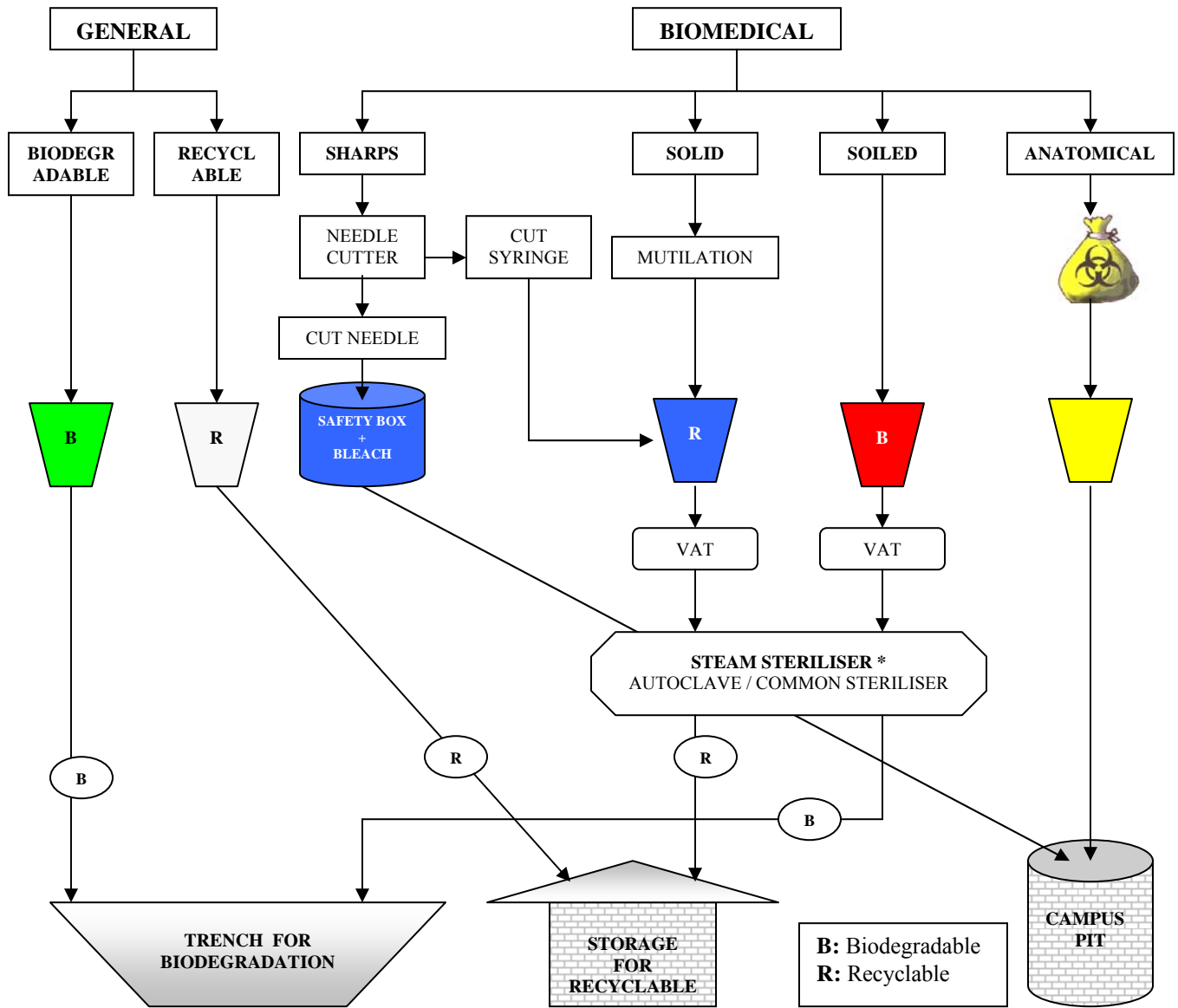
All used containers of waste (Containers, Safety Boxes) shall be cleaned with bleach after taking out the waste.

F. Options and Flow Charts for collection, treatment and disposal of waste –

OPTIONS FOR – COLLECTION, TREATMENT, DISPOSAL: RH/BPHC/PHC

WASTE CATEGORY		OPTIONS		
Bio-Medical		I	→ II	→ III
Sharps (cat 4)	Syringe & Needle	Defang >> Put Needles in chemical disinfectant kept in blue safety box	Campus Pit (Deep Burial)	
	Broken Ampule /glass	Put Broken Ampules/glass in chemical disinfectant with Needles in blue safety box		
Soiled (cat 6)	Dressings, Bandage, Linen etc.	Collect separately in red bin	Steam Sterilisation (Autoclave / Common Steriliser)	Trenching for Biodegradation
Solid (cat 7)	Plastic Tubings/Bags; Cut Syringes; Glass Accessories/Bottles etc.	Collect after <i>mutilation</i> separately in blue bin	Steam Sterilisation (Autoclave / Common Steriliser)	Store and send for Recycling
Anatomical (cat1)	Placenta, Tissue etc.	Collect separately in yellow plastic bag kept in yellow bin	Campus Pit (Deep Burial)	
General				
Glass, Plastics, Packs & Papers		Collect in off-white bin	Store and send for Recycling	
Food Residue, Fruit Peels etc.		Collect in green bin	Trenching for Biodegradation	

FLOW CHART FOR WASTE MANAGEMENT AT RH / BPHC / PHC

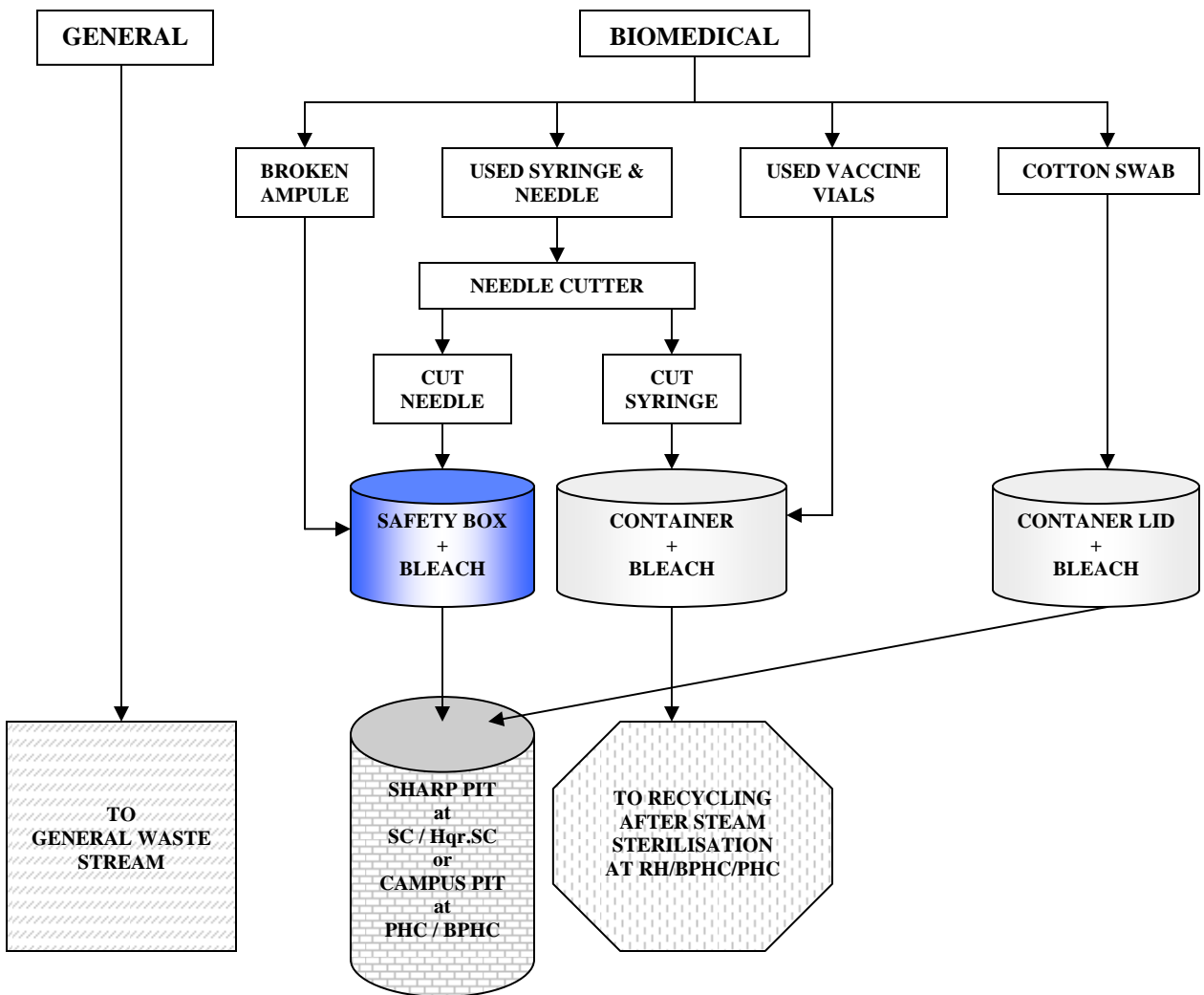


* Biodegradables and Recyclables should be separately sterilized and collected for composting and recycling respectively.

OPTIONS FOR – COLLECTION, TREATMENT, DISPOSAL: SC

WASTE CATEGORY	OPTIONS		
	I	II	III
Syringe & Needle	Defang >> Put Needles in safety box with chemical disinfectant Put Syringes in container with chemical disinfectant	Keep chemically treated – 1. Needles & Ampules in safety box 2. Syringes, Vials & Bottles in container	1. Dispose Needles & Ampules from safety box in sharp pit at Sub-Centre (in Govt. premises) / GP Hqr. Sub-Centre, OR at nearest RH / BPHC / PHC 2. Send Syringes, Vials & Bottles to nearest RH / BPHC / PHC for sterilization and recycling
Broken Ampule	Put Broken Ampules in safety box with chemical disinfectant		
Used Vaccine Vial	Put Vaccine Vials in container with chemical disinfectant		
Cotton Swabs	Put Cotton Swabs separately in container lid with chemical disinfectant	Put chemically treated Cotton Swabs in a small pit /sharp pit	
General			
Packs & Papers	General Waste Stream		

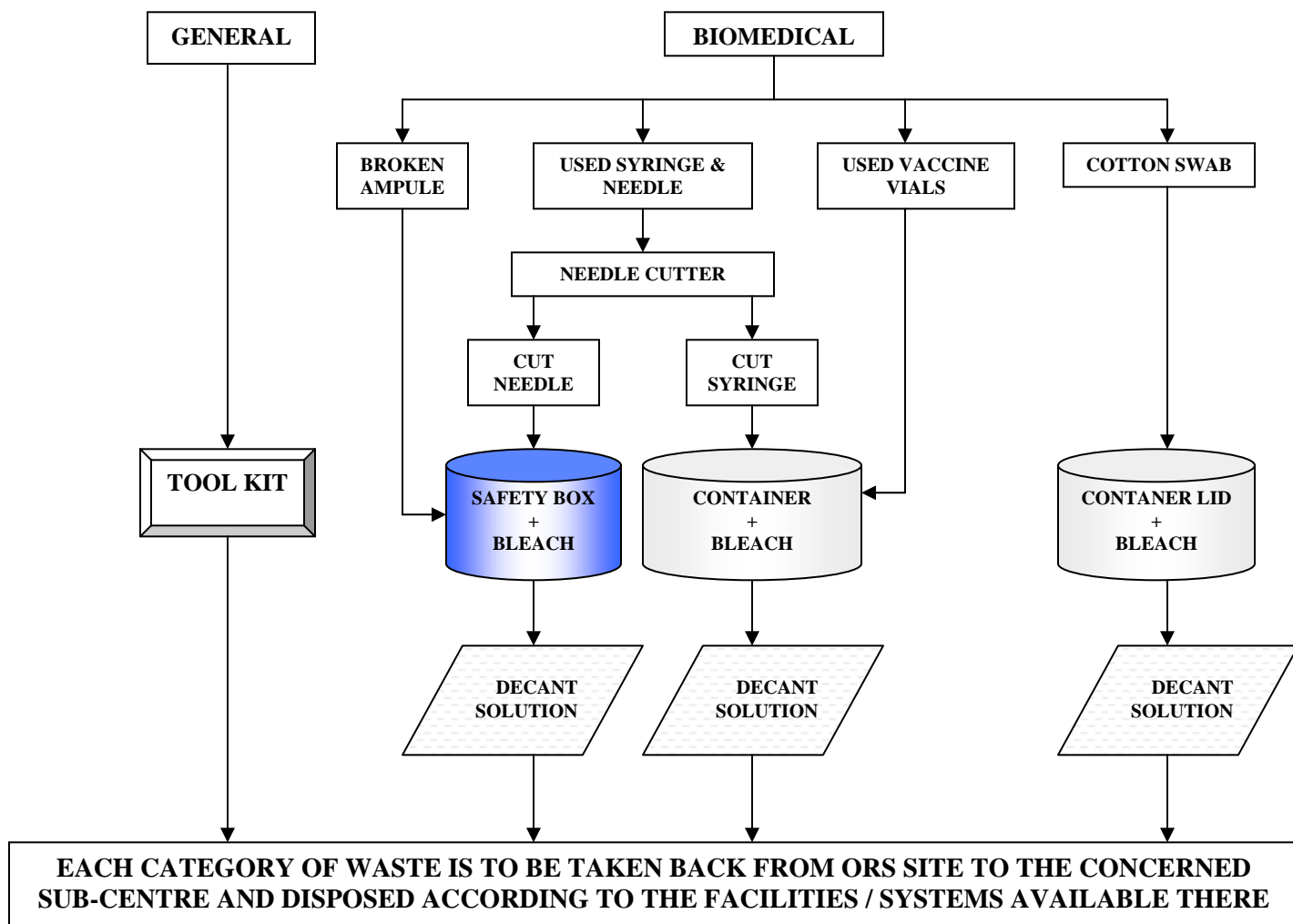
FLOW CHART FOR WASTE MANAGEMENT AT SC



OPTIONS FOR – COLLECTION, TREATMENT, DISPOSAL: OUTREACH SESSION

WASTE CATEGORY	OPTIONS			
	I	II	III	IV
Bio-Medical				
Syringe & Needle	Defang >> Put Needles & Syringes in chemical disinfectant respectively in safety box and container with chemical disinfectant in both	Keep chemically treated – 1. Needles & Ampules in safety box	Bring back to Sub-Centre 1. Safety Box with Needles & Ampules	1. Dispose Needles & Ampules from safety box in sharp pit at Sub-Centre / GP Hqr. Sub-Centre OR at nearest RH/BPHC/PHC
Broken Ampule	Put Broken Ampules in chemical disinfectant with Needles in safety box	2. Syringes, Vials & Bottles in container	2. Containers with Syringes & Vials	2. Send Syringes, Vials & Bottles to nearest RH / BPHC / PHC for sterilization and recycling
Used Vaccine Vial	Put Vaccine Vials in chemical disinfectant with Syringes in container			
Cotton Swabs	Put Cotton Swabs separately in chemical disinfectant in container lid	Keep chemically treated Cotton Swabs separately in container lid	Bring back to Sub-Centre container with cotton swabs	Put chemically treated Cotton Swabs in a small pit /sharp pit
General				
Packs & Papers	Take back in Tool Kit to concerned Sub-Centre to put in General Waste Stream			

FLOW CHART FOR WASTE MANAGEMENT AT OUTREACH SESSION



V. Equipments –

A. Autoclave or Common Steam Steriliser:



AUTOCLAVE

Small Autoclaves with recording facility:

SIZE	CHAMBER VOLUME (Lit.)	PROCESSING CAPACITY/ CHARGE	PRICE Ex-Factory
400 Dia. X 600 Lg. mm	77	7.7 Kg.	Rs.1,60,000/-
400 Dia. X 900 Lg. mm	115	11.5 Kg.	Rs.2,00,000/-

Shredder:

CAPACITY	PRICE
25 Kg./Hr.	Rs.1,30,000/-

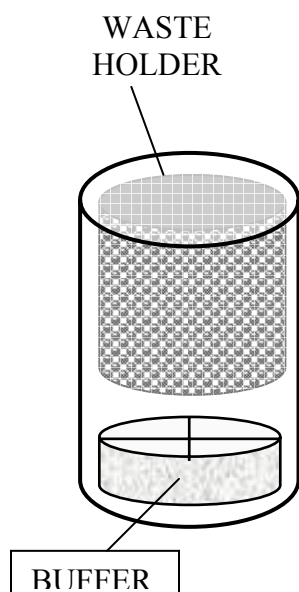


COMMON STEAM STERILISER

Common Steam Sterilizers without recording facility:

SIZE	PROCESSING CAPACITY/CHARGE	PRICE
10Litres	3 - 5 Kg.	Rs.9,000/- - Rs.12,000/-

The Time and Pressure of the cycle may be recorded manually in an operation register.



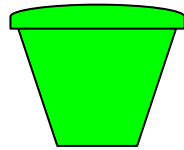
Every RH, BPHC, PHC shall have steam sterilization facility.

According to the Bio-Medical Waste (Management and Handling) Rules, 1998 steam sterilization of Bio-Medical waste has to be undertaken by Autoclave with recording facility.

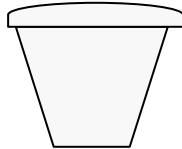
In view of the huge number of these rural HCUs and the small quantity of waste generated by them and also in view of the large quantity of resources that will be needed to get one Autoclave with recording facility for each of these HCUs, it is suggested that Common Steam Steriliser may be opted for with prior permission of the regulating authorities.

B. Bags and Bins: Bins are required to collect the waste at or near generation points.

Avoiding multiple handling and facilitating composting and recycling call for segregated collection of recyclables and bio-degradables (non-recyclables). Different coloured bins are to be commissioned to collect separately bio-degradable and recyclable wastes. The bins used to collect bio-medical waste should be marked with bio-hazard symbol as shown in the adjoining figure. Yellow and Blue bins are to be used for anatomical and sharp waste respectively.



Green Bin for biodegradable General Waste



Off-White Bin for recyclable General Waste



Red Bin for biodegradable (Soiled) Biomedical Waste



Blue Bin for recyclable (Solid) Biomedical Waste



Yellow Bin for Anatomical Biomedical Waste

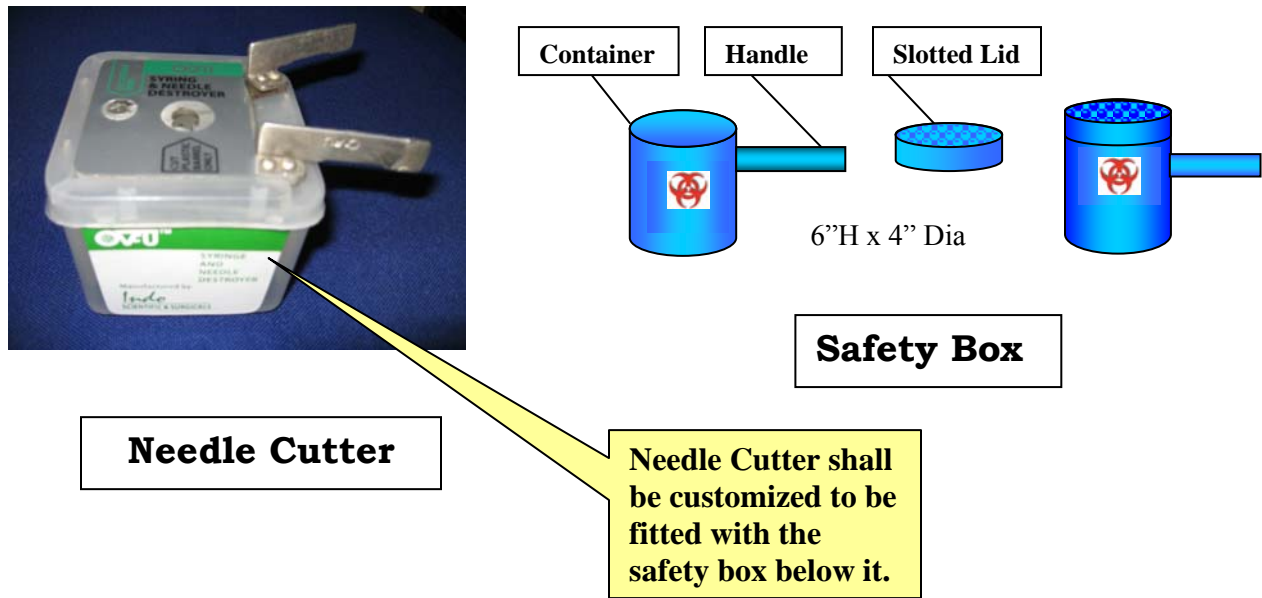


Yellow Bag for Anatomical Biomedical Waste

Suggested Material for Bins: Virgin HDPE, thickness – 2.5mm, capacity – as per requirement, may be with lid and paddle pressure arrangement.

Suggested Material for Yellow Bag: High molecular high density polyethylene (HM-HDPE) virgin, thickness: 30 micron; Size: as per requirement.

C. Needle Cutter with Safety Box:



Needle Cutter

It is important to ensure that the Needle Cutter is of good quality and the blade is not blunted after a few cuts.

The cutter should be able to cut the syringe at the hub of the needle

Safety Box

Safety Box with biohazard symbol is required to collect and treat waste sharps right after generation.

The **Safety Box** shall be attached below the needle cutter to collect the cut needles. This detachable container may be used to decontaminate the cut needles with chemical decontaminant (1% Bleach Solution).

Broken ampoules may also be collected and treated in the same container. These decontaminated sharps may be finally disposed in a sharp or campus pit.

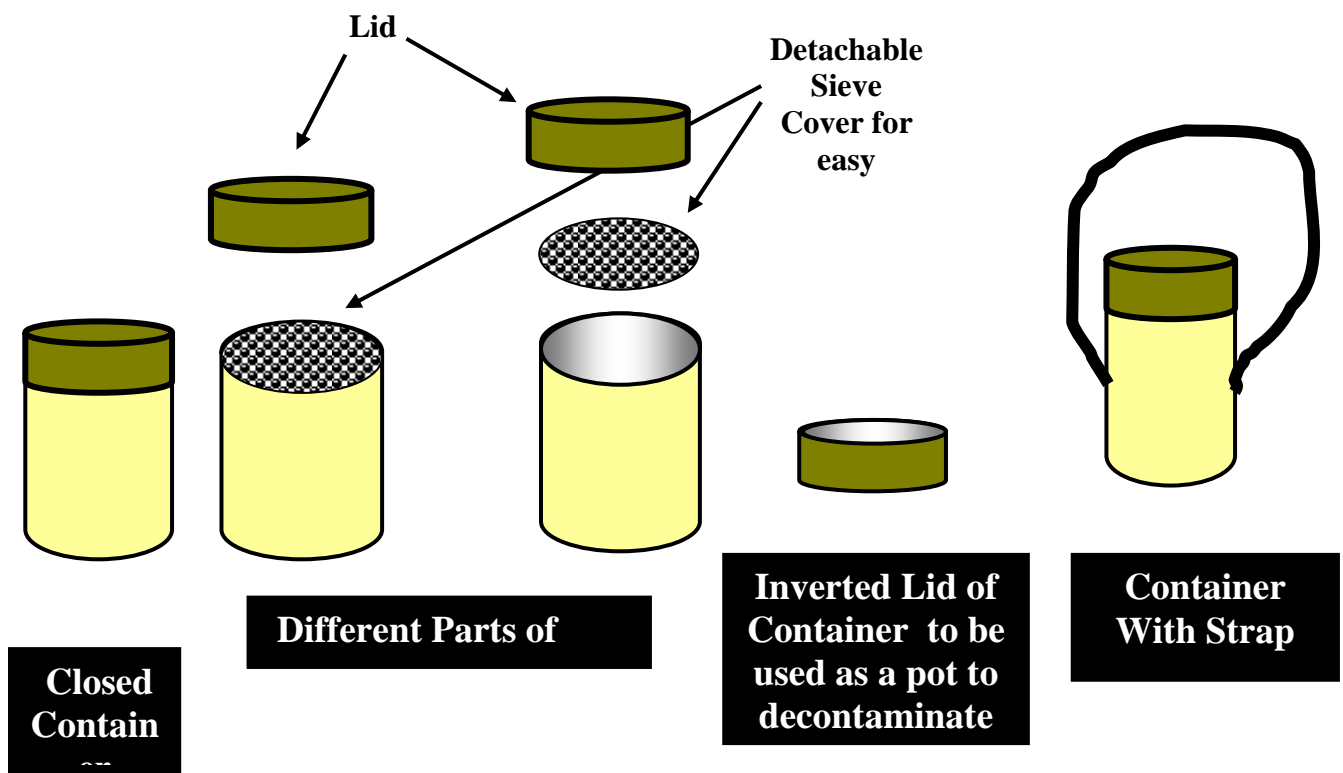
This container may have a slotted lid to help drain out the spent bleach solution after decontamination of sharp waste.

Suggested Material: Unbreakable translucent plastic.

A. Bleach Solution:

1% Hypochlorite Solution or any other equivalent reagent is to be used as chemical decontaminant. Considering cost and availability, 1% Bleach Solution [10 gms. bleaching powder in 1 litre water is recommended.

B. Container:



The Container is to serve multiple purposes.

The body of the cylindrical box may be used as a pot to decontaminate cut syringes and used vaccine vials by filling it with decontaminating solution and dipping the cut syringes and used vials into it.

The lid, when inverted, may be used as another pot to decontaminate cotton swabs by filling it with decontaminating solution and dipping the cotton swabs into it.

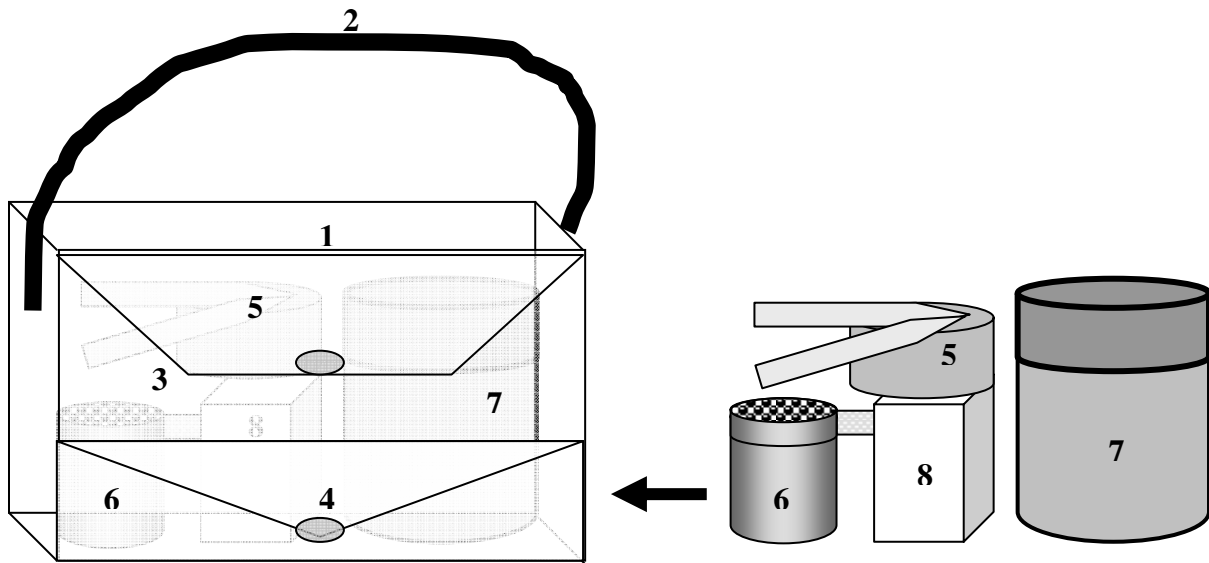
After decontamination the hypo-chlorite/bleach solution shall be drained out. A detachable sieve cover that fits in between the lid and the body of the safety box helps in pouring out the used decontaminant.

Cut syringes and used vaccine vials as well as the cotton swabs, after decontamination can be kept separately in the safety box and carried.

Suggested Material: Unbreakable Plastic.

C. Tool Kit:

Decontaminated cut syringes and used vials together with cotton swabs may be carried back in the Safety Box from Out-Reach Session Centers to respective Sub-Centres.



1. **TOOL KIT** – To hold and carry all tools and BMW for & from ORS
2. **STRAP** – Attached to TOOL KIT
3. **MAIN CHAMBER** – Of the TOOL KIT
4. **POUCH POCKET** – To hold and carry the general (packaging) waste from ORS
5. **NEEDLE CUTTER** – To defang syringes
6. **SAFETY BOX** – To disinfect, hold and carry cut needles
7. **CONTAINER** –To hold, disinfect and carry cut syringes, used vials and soiled cotton swabs
8. **BLEACHING POWDER PACK** – To provide bleaching powder for prepare bleach solution

Specification:

Made of durable synthetic cloth.

Measurement - Length: 35 cms. ; Width: 12.5 cms; Height: 20 cms.

D. Trolley:

Trolleys are required for transportation of waste from containers placed at generation point to temporary storage / treatment facility and also to disposal site (if within campus). Bio-Medical waste shall be carried in dedicated (red) trolleys marked with bio-hazard symbol. General waste shall be carried in trolleys without bio-hazard symbol.

Trolleys should be sized according to the quantity of waste they are supposed to carry. Trolleys should be easy to use, i.e. their movement, loading, unloading and cleaning should be user friendly.

Double wheel tripod type traveling trolley; fitted with cover, preferably with rubber-lined wheel for infectious waste. Maximum size 3'Lx2'Wx1.5'H.



Trolley for General Waste



Trolley for Biomedical Waste

E. PPEs:

Protection against personal injury from potentially hazardous health care waste has to be ensured to those who are at risk from it, especially the waste handlers. A comprehensive risk assessment of all the activities involved in health care waste management programme at each health care unit is helpful to identify the necessary protection measures. Based upon this the personnel shall be trained in using the protective equipments to be used by them.

However, some common personal protective equipment needs to be used by the waste handlers irrespective of the nature of the health care unit and the nature of the waste generated. These are as follows –



Gloves
Heavy Duty



Mask
Covering the Mouth
and Nostrils



Apron
Full Length



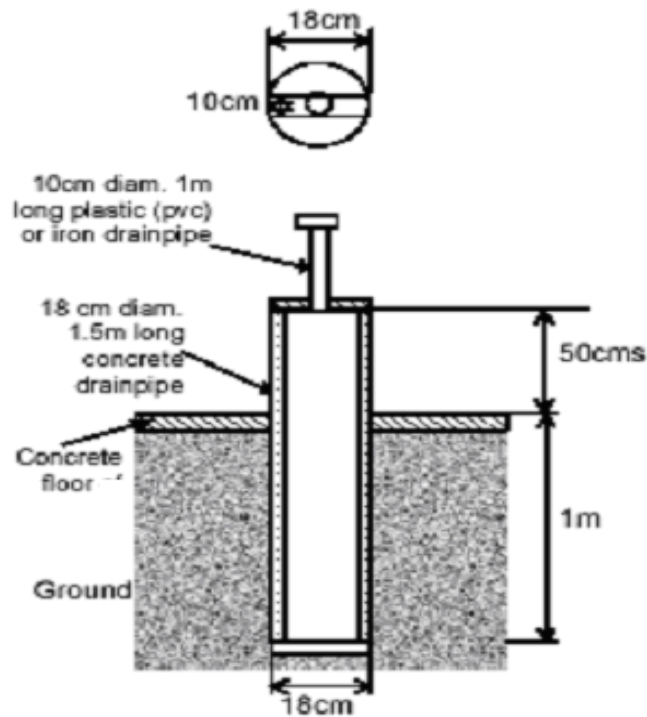
Gumboot
Good Quality

Any other type of protective equipment can be used based upon the operation and the nature of waste generated from the health care unit.

VI. Constructions

A. Sharp Pit:

Every Sub-Centre located in Government premises shall have a sharp pit for disposal of Sharp Waste.



A sharp pit may be constructed by utilizing simple concrete drainpipe as shown in the figure.

Caps to have locking facility

Capacity about 36,000 needles

(Taking 100 needles per week the pit will be sufficient for 6.5 years.)

B. Campus Pit:

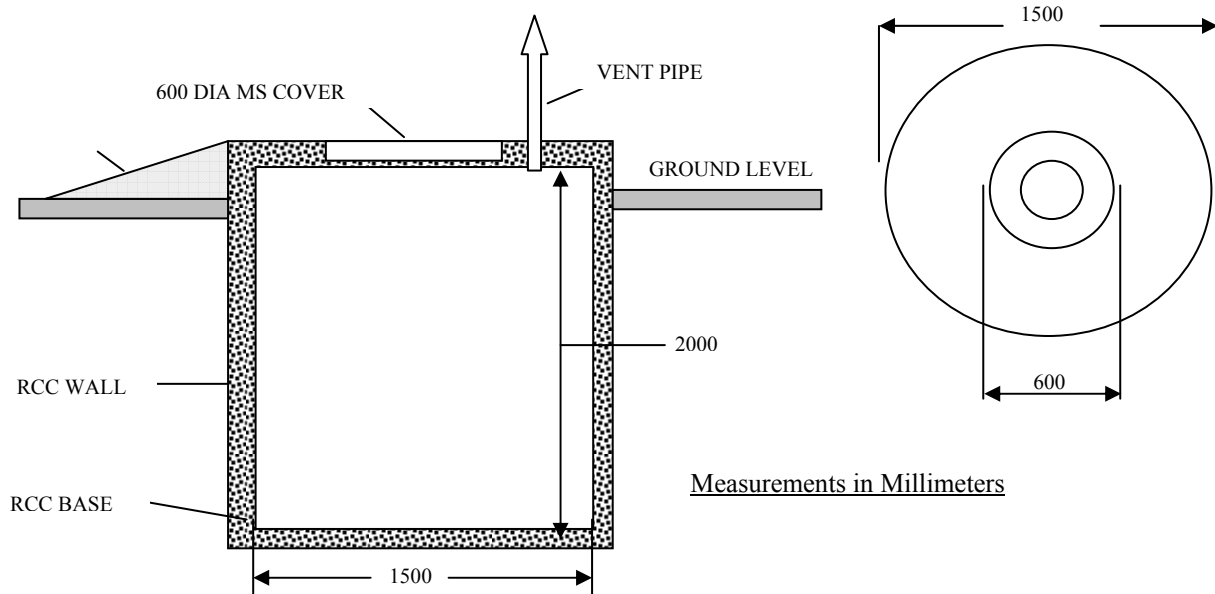
Every RH, BPHC and PHC shall have one Campus Pit.

The Campus Pit shall be used exclusively to dispose sharp and anatomical waste.

Every RH is supposed to already have Campus Pits built under “West Bengal Health Systems Development Project (WBHSDP)”.

Many of these Campus Pits have already been filled up as all categories of Bio-Medical Waste are disposed in those pits. The condition of these Campus Pits should be assessed to determine if new Campus Pits are required.

New Campus pits as and where required may be designed as in the following –



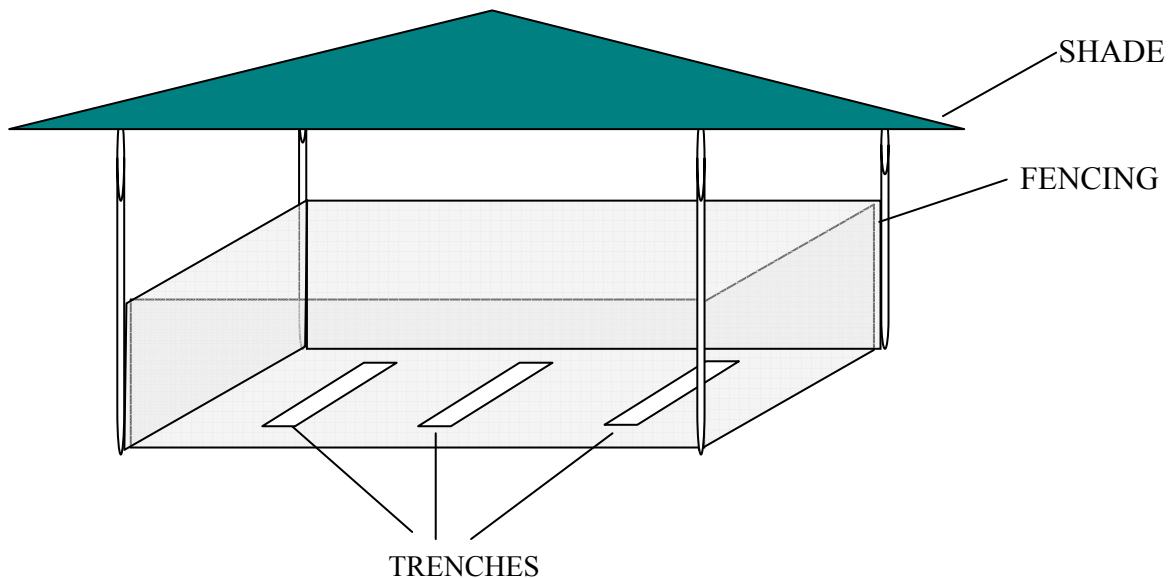
Capacity about 3.5 m³. Sufficient for at least 40 years if only sharps (100 needles and 20 ampoules per day) and anatomical waste (5 placentas per day) are disposed in it.

Suggested Points:

- Two campus pits (one stand-by) to be constructed
- Base alignment to be fixed in consideration of ground water table and seasonal inundation
- Approach: Causeway and Ramp to be built up [concrete or cement-brick] for easy maneuvering of hand-trolley
- Location: Behind and away from the hospital building, adjacent to pre and post treatment storage facility

C. Trench

Trenches are required for systematic bio-degradation of bio-degradable waste. A system of trenches secured with fencing and shade is the suggested option. The trenches are to be used on rotational basis.



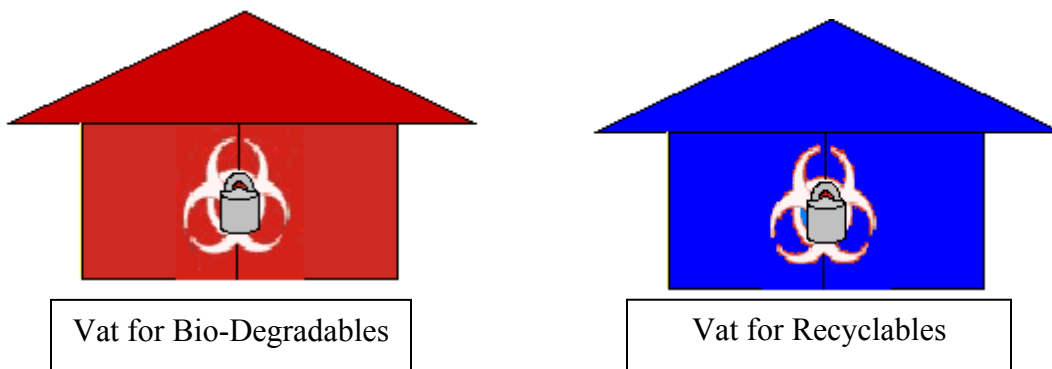
Suggested Points:

- **To be housed in covered and fenced off space**
- **Three trenches to be accommodated**
- **Size: Trench 6ft(l) x 3ft (w) x 3ft (h). Shade Covered Area 16ft (l) x 8ft (w)**
- **Approach: Built up [concrete or cement-brick] for easy manoeuvring of hand-trolley**
- **Location: Behind and away from the hospital building,**
- **Caution: Seasonal inundation to be considered in choosing the location and base height**

D. Vats for infected biodegradable and recyclable waste

Vats are necessary for temporary storage of waste before treatment. They should be well protected to debar scavengers and foraging animals, with easy approach and located near the place for waste treatment and away from the place of medical treatment. There should be arrangement for regular supply of water for washing.

There should be two vats: one each for infectious recyclable and non-recyclable waste. Another option is to have a double chamber vat.

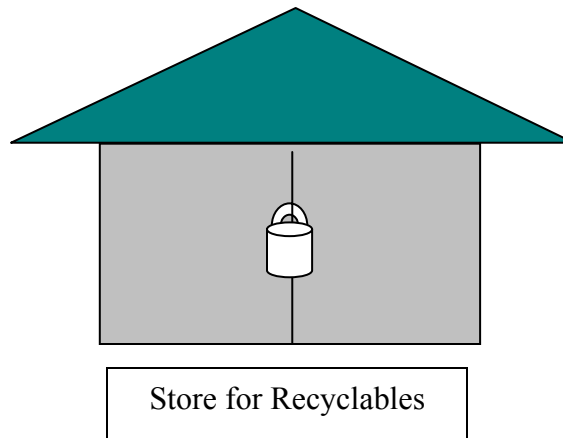


Suggested Specifications:

- **Separate Facilities for Recyclables and Non-Recyclables**
- **Different Colour for easy identification (in conformity with colour of collection bags/bins for Recyclables and Non-Recyclables)**
- **Marking with bio-hazard symbol**
- **Doors with locking facility**
- **Covered/Shaded**
- **Water and drainage facility**
- **Ventilation (wire meshing at upper side of the wall)**
- **Size: 6ft (l) x 6ft (w) x 6ft (h) [minimum]**
- **Approach: Built up [concrete or cement-brick] for easy manoeuvring of hand-trolley**
- **Construction: Concrete floor, cement-brick wall with wire meshing at upper side, fiber-plastic shade**
- **Location: Behind and away from the hospital building, adjacent to treatment and after treatment storage facility**
- **Caution: Seasonal inundation to be considered in choosing the location and base height**

E. Store for general and decontaminated recyclables waste

Storage Facility is necessary for temporary storage of treated recyclable waste and general recyclable waste before sending those for recycling. They should be well protected to debar scavengers and foraging animals, with easy approach and located near the place for waste treatment and away from the place of medical treatment. There should be arrangement for regular supply of water for washing.

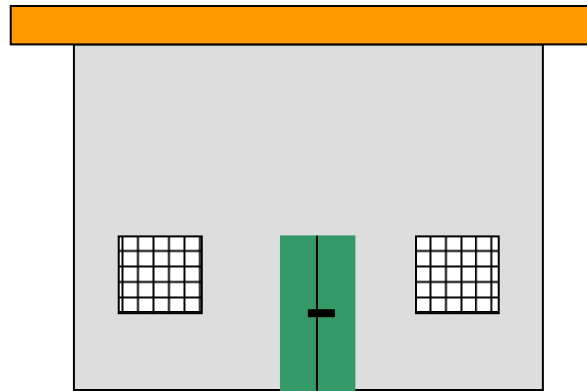


Suggested Specifications:

- Doors with locking facility
- Covered/Shaded
- Ventilation (wire meshing at upper side of the wall)
- Water and drainage facility
- Size: 10ft (l) x 10ft (w) x 6ft (h) [minimum]
- Approach: Built up [concrete or cement-brick] for easy manoeuvring of hand-trolley
- Construction: Concrete floor, cement-brick wall with wire meshing at upper side, fiber-plastic shade
- Location: Behind and away from the hospital building, adjacent to treatment facility
- Caution: Seasonal inundation to be considered in choosing the location and base height

F. Waste Sterilisation Housing:

A room for waste treatment/sterilisation will be necessary for housing and operating the Autoclave or Steriliser.



Suggested Specifications:

- Doors with locking facility
- Ventilation: Windows for cross ventilation (secured with iron grills)
- Size: Sufficient to house the autoclave and the shredder with easy manoeuvring space [12ft (l) x 10ft (w) x 10ft (h) (minimum)]
- Approach: Built up [concrete or cement-brick] for easy manoeuvring of hand-trolley
- Construction: Concrete floor, cement-brick wall with RCC roofing
- Location: Behind and away from the hospital building, adjacent to pre and post treatment storage facility
- Caution: Seasonal inundation to be considered in choosing the location and base height

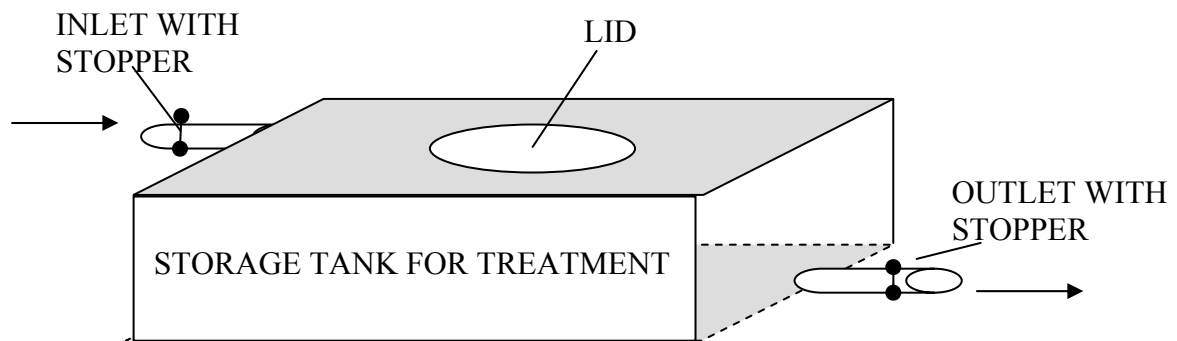
G. Storage and Treatment Facility for infectious liquid waste:

A storage cum treatment tank shall be necessary for treating the contaminated waste water with chemical decontaminant. These tanks may be made of either RCC or plastic.

The tank will be so sized as to hold all the infectious waste water coming out of specified facilities till treatment.

The outlet shall be closed till treatment is done with sufficient amount (1% of the capacity of the tank) of bleaching powder.

The inlet shall be closed during treatment.



Suggested Specifications:

The storage cum treatment tank shall be connected separately with outlets in the hospital building (For example – waste water outlets of Pathological Laboratory and/or Delivery Room/O.T.) wherefrom infectious liquid waste comes out.

The tank shall have upper inlet and lower outlet, both inlet and outlet to have stopper.

The tank shall have sufficiently large lid for letting in decontaminant and periodic cleaning.

Size: 250 Ltrs. Minimum.

Approach: Built up [concrete or cement-brick] for easy manoeuvring of hand-trolley

Construction: RCC or HDPE (Syntex Type)

Location: Adjacent to the hospital building, nearest to Pathological Laboratory and/or Delivery Room/O.T.

Caution: Seasonal inundation to be considered in choosing the location and base height

Where it is to be implemented?

I. Coverage

There are 5 Rural Hospitals (RHs), 17 Block Primary Health Centres (BPHCs), 70 Primary Health Centres (PHCs), 564 Sub-Centres (SCs) and more than 1,2000 Out-Reach Sessions (ORSs) conducted from the Sub-Centres.

The Health Care Waste Management Plan for the rural health sector of the district of Bankura has to cover all these units.

II. Number of HCUs

Rural Hospital RH	Block Primary Health Centre BPHC	Primary Health Centre PHC	Sub-Centre SC	Out Reach Session ORS* per month
5	17	69	564	1200 +

*Number of Out-Reach Sessions is not fixed, their locations and frequencies also vary. Presently more than 1200 Out-Reach immunisation sessions are conducted in the District per month.

II. List of HCUs by Block by Category

A list of all RHs, BPHCs, PHCs and Ses in the District of Bankurais is maintained at the CMOH Office Bankura. All the Blocks in the District were visited and concerned BPHNs were consulted to verify and update the names and locations of the HCUs. Some variations from the official list are observed at the ground level. An updated list is placed below:

Sl. No.	Block	RH / BPHC / PHC	Ref. No.	SC
1	Bankura I	Anchuri BPHC	1	Anchuri
		Kenjakura PHC	2	Sanabandh
		Helnasusunia PHC	3	Kapista
			4	Banshi
			5	Jagadalla
			6	Damodorpur
			7	Helnasusunia
			8	Kenjakura
			9	Tantkanali
			10	Radhakantapur
			11	Molebona*
			12	Sunukpahari
			13	Bhagabanpur
			14	Kumirdya
			15	Kankradihi
			16	Dhagaria
			17	Chingra
			18	Belia
2	Bankura II	Kanchanpur BPHC	19	Kanchanpur
		Narrah PHC	20	Tilabedia
		Mankanali PHC	21	Kheriosol
			22	Bikna*
			23	Sendra
			24	Kadmaghati
			25	Kesiakole
			26	Bhadul
			27	Shyamadaspur
			28	Sanbandha
			29	Narrha
			30	Pratappur
			31	Belboni
			32	Kostia*
	33	Maithagopinathpur		
	34	Mankanali		
	35	Lodna		
	36	Aulia		
	37	Mogra		
	38	Junbedia		
	39	Salboni		
	40	Harialgara		
	41	Bankati		

Sl. No.	Block	RH / BPHC / PHC	Ref. No.	SC		
3	Gangajal Ghati	Amarkanan RH	42	Gobindadham		
		Srichandanpur PHC	43	Biharjuriya		
		Gangajalghati PHC	44	Amarkanan		
		Ramharipur PHC	45	Kukrajore		
			46	Bhaktabandh		
			47	Ukhradihi		
			48	Gangajal Ghati		
			49	Kesiara		
			50	Desuria		
			51	Lachhmanpur		
			52	Nadiha		
			53	Rajamela		
			54	Bon Asuria		
			55	Gopinathpur		
			56	Kustholia		
			57	Pirraboni		
			58	Kantaboni		
			59	Bhattapara		
			60	Kapista		
			61	Salbedia		
			62	Ramharipur		
			63	Durlovpur		
			64	Amdanga		
			65	Latiaboni		
			66	Nityanandapur		
67	Bakadaha					
68	Sarangpur					
69	Srichandrapur					
70	Ghatakgram					
71	Barsal					
4	Barjora	Barjora BPHC	72	Barjora (E)		
		Beliatore PHC	73	Barjora (W)		
		Chhandar PHC	74	Bhairabpur		
		Pakhanna PHC	75	Paharpur		
		Godardihi PHC	76	Chhotamana		
					77	Maliara (E)
					78	Maliara (W)
					79	Madhabpur
					80	Napara
					81	Ghutgaria
					82	Pratappur
					83	Kadasole
					84	Baguli
					85	Sarali
86	Kotalpukur					
87	Hatashuria					
88	Rajprasadpur					
89	Pakhanna					
90	Baramana*					

Sl. No.	Block	RH / BPHC / PHC	Ref. No.	SC
			91	Tajpur
			92	Gardardihi
			93	Dadhimukha
			94	Jagannathpur
			95	Saharjora
			96	Shitla
			97	Jambedia
			98	Khandary
			99	Beliatore (W)
			100	Beliatore (E)
			101	Dhabani
			102	Phulberia
			103	Chandar
			104	Chandanpur
			105	Barobendiya
			106	Brindabanpur
			107	Barkura*
5	Mejhia	Mejhia BPHC	108	Mejhia
		Ramchandrapur PHC	109	Gopalganj
		Pairasole PHC	110	Dang Mejhia
			111	Ardhagram
			112	Bharakalibari
			113	Ghursra
			114	Pairasole
			115	Kansara
			116	Kendut*
			117	Ramchandrapur
			118	Nandanpur
			119	Ranipur
			120	Bharra*
			121	Jongpur
			122	Jopamali
6	Saltora	Saltora BPHC	123	Saltora
		Ituri PHC	124	Subda
		Gogra PHC	125	Shyampur
		Kastora PHC	126	Bamuntore
			127	Saburbandh
			128	Balarampur
			129	Tiluri
			130	Ituri
			131	Simladihi
			132	Kanuri
			133	Dhatala
			134	Barkona
			135	Gogra
			136	Natkamla
			137	Dekia
			138	Ranjitpur

Sl. No.	Block	RH / BPHC / PHC	Ref. No.	SC
			139	Chuaberia*
			140	Pabra
			141	Salroha
			142	Kantabaid
			143	Kastora
			144	Durlabpur
			145	Majit
7	Onda	Onda BPHC	146	Ramsagar
		Nakaijuri PHC	147	Puncha
		Santore PHC	148	Barui para
		Ramsagar PHC	149	Nischintipur
		Ratanpur PHC	150	Murakata
		Nikunjapur New PHC	151	Onda
			152	Sadista
			153	Onda Gram
			154	Kumardanga
			155	Khamarberia
			156	Suklai
			157	Nabajibanpur
			158	Majdiha
			159	Gamirdya
			160	Santore
			161	Baliara
			162	Sahapur
			163	Mankhamar
			164	Punisole (E)
			165	Punisole (W)
			166	Upardanga*
			167	Benazira
			168	Kalyani
			169	Hirapur
			170	Binodnagar
			171	Ratanpur
			172	Chotokurpa
			173	Bhulanpur
			174	Gopalpur
			175	Chowlabad
			176	Chingoni
			177	Nakaijuri
			178	Agaya
			179	Jadabnagar
			180	Purusattampur
8	Chhatna	Chhatna BPHC	181	Chhatna
	RH - 0	Salchura PHC	182	Laxinarayanpur
	BPHC - 1	Jorehira PHC	183	Kamarkuli
	PHC - 4	Jhantipahari PHC	184	Dubrajpur
	SC - 36	Bhabanpur PHC	185	Kharbona
			186	Dengakendh

Sl. No.	Block	RH / BPHC / PHC	Ref. No.	SC
			187	Ghosergam
			188	Susunia
			189	Parasibona
			190	Gidhurja
			191	Jhunjka
			192	Desora
			193	Ituri
			194	Jhantipahari
			195	Arrha
			196	Murgabari
			197	Kaminbedia
			198	Jirra
			199	Garrah
			200	Jorehira
			201	Jamtholi
			202	Dhaban
			203	Asurabad
			204	Saldiha
			205	Chamtagora
			206	Bandardiha
			207	Salchura
			208	Jamtora
			209	Kamarpur
			210	Chinabari
			211	Metaliya
			212	Budhanpur
			213	Kantapahari
			214	Banpusra
			215	Tisrakelay
			216	Gholgoria
9	Indpur	Indpur BPHC	217	Banagram
	RH - 0	Hatagram PHC	218	Dubrajpur
	BPHC - 1	Gunnah PHC	219	Ahanda
	PHC - 3	Saldiha New PHC	220	Bramhandiha
	SC - 27		221	Natherdanga
			222	Fulkusma
			223	Saldiha
			224	Raghunathpur
			225	Jorda
			226	Sonardanga
			227	Banshidih
			228	Dangarampur
			229	Puara
			230	Gobindapur
			231	Kadamdeuli
			232	Indpur
			233	Purusottompur
			234	Chakaltore
			235	Bhatra

Sl. No.	Block	RH / BPHC / PHC	Ref. No.	SC
			236	Kelaipathar
			237	Gourbazar*
			238	Khirpay
			239	Atbaichandi
			240	Brajarajpur
			241	Araldihi
			242	Nayada
			243	Gunnath
10	Khatra*	Khatra BPHC	244	Khatra
	RH - 0	Beniabandh PHC	245	Shyampur
	BPHC - 1	Simla PHC	246	Papra
	PHC - 2		247	Bantila*
	SC - 24		248	Tantulchita
	ORS - 37		249	Darsole
		* SDH at Khatra	250	Jhariakocho
			251	Gorabari
			252	Kadambra
			253	Radhamohanpur*
			254	Supur
			255	Dharamouli*
			256	Muragram
			257	Badyanathpur
			258	Nagri
			259	Kesia
			260	Simla
			261	Sindurpeti
			262	Dhanara
			263	Kashipur
			264	Dahala
			265	Dharagram
			266	Beniabandh*
			267	Sikrabandh*
11	Hirbandh	Amjhuri BPHC	268	Hirbandh
	RH - 0	Molian PHC	269	Jhantipukur
	BPHC - 1	Mosiara PHC	270	Bhuniakana
	PHC - 2		271	Musleha
	SC - 17		272	Baharamuri
	ORS -		273	Hatirampur
			274	Muhujore*
			275	Dighi
			276	Molian
			277	Ranga
			278	Bramhandanga
			279	Gopalpur
			280	Saluipahari
			281	Teilabaid
			282	Mosiara
			283	Amjuri

Sl. No.	Block	RH / BPHC / PHC	Ref. No.	SC
			284	Simlabandh
			285	Massanjhar
12	Ranibandh	Ranibandh BPHC	286	Ranibandh
	RH - 0	Jhilimili PHC	287	G-Haludkanali
	BPHC - 1	Barikul PHC	288	Mithan
	PHC - 4	Haludkanali PHC	289	Ledapakar
	SC - 26	Khejuria# PHC	290	Birkham
	ORS - 52		291	Akkhuta
		#No Doctor, Under Panchayat Samity	292	Deuli
			293	Haludkanali
			294	Tungcharo
			295	Puranpani
			296	Ambikanagar
			297	Ladda
			298	Dabri
			299	Dhanara
			300	Bonpukuria
			301	Rudra
			302	Komo
			303	Bethuala
			304	Barikul
			305	Dhankura
			306	Chandapathar
			307	Majgeria
			308	Jhilimili
			309	Khejuria
			310	Muchikata*
			311	Madhabpur (Shyamadi)*
13	Taldangra	Taldangra RH	312	Taldangra
	RH - 1	Amdangra PHC	313	Pakurdiha
	BPHC - 0	Harmasra PHC	314	Dalangora
	PHC - 4	Bibarda PHC	315	Bibarda
	SC - 26	Joypur PHC	316	Jugda
	ORS - 40		317	Bhutama
			318	Bhedua
			319	Porardanga*
			320	Kelati
			321	Beldangra
			322	Harmasra
			323	Jarka
			324	Khichka
			325	Fulmoti
			326	Chakshyampur
			327	Joypur
			328	Panchmura
			329	Sidabad/Radhanagar*
			330	Methana
			331	Dhodanga Village

Sl. No.	Block	RH / BPHC / PHC	Ref. No.	SC
			332	Dhodanga/Paridhi
			333	Saltora
			334	Koniari
			335	Amdangra
			336	Giridharipur
			337	Kharkhari*
14	Simlapal	Simlapal BPHC	338	Simlapal
	RH - 0	Lakshmisagar PHC	339	Krishnapur
	BPHC - 1	Hatibari PHC	340	Mukundapur
	PHC - 3	Arrah PHC	341	Machatora
	SC - 21		342	Parilia
	ORS - 40		343	Bhutsahar
			344	Arrha
			345	Boricha
			346	Lakshmisagar*
			347	Harinayaguri
			348	Bonkata
			349	Parshala
			350	Pukhuria
			351	Mamra
			352	Hatibari
			353	Putiadaha*
			354	Paipal
			355	Bikrampur
			356	Hetagara
			357	Kalabati
			358	Jorisha
15	Raipur	Raipur RH	359	Raipur
	RH - 1	Fulkushma PHC	360	Raipur Bazar
	BPHC - 0	Motgoda PHC	361	Dubnala
	PHC - 2	Dumurtore PHC	362	Asurgaria*
	SC - 33		363	Raipur Sabujbazar
	ORS - 50		364	Motgoda Village
			365	Jamsole
			366	Motgoda GP
			367	Anara
			368	Shyamsundarpur
			369	Jarka
			370	Dudhya
			371	Mondalkuli
			372	Dangrasai
			373	Demusnia
			374	Dhangaam
			375	Sonagara*
			376	Fulkusma
			377	Hatkata
			378	Raspal*
			379	Melara

Sl. No.	Block	RH / BPHC / PHC	Ref. No.	SC
			380	Moulasole/Sirsa
			381	Gosda
			382	Lurka
			383	Pairaguri
			384	Birudi
			385	Keshya
			386	Posda
			387	Dheko
			388	Boxi
			389	Dumurtore
			390	Lowpara
			391	Panchakola
16	Sarenga	Sarenga BPHC	392	Krishnapur
	RH - 0	Krishnapur PHC	393	Jamboni
	BPHC - 1		394	Moukura*
	PHC - 1		395	Chiltore
	SC - 17		396	Dandi
	ORS - 36		397	Banpur
			398	Sarenga
			399	Fulbera
			400	Sarulia
			401	Telejat
			402	Sukhadali
			403	Chingra
			404	Baragadra*
			405	Bikrampur
			406	Taldiha
			407	Baispathra
			408	P-Deuli
17	Kotulpur	Kotulpur RH	409	Kotulpur BPHC
	RH - 1	Lowgram PHC	410	Siromonipur
	BPHC - 0	Mirjapur PHC	411	North Kotulpur
	PHC - 6	Sihar PHC	412	Khiri
	SC - 31	Deshra PHC	413	Mirzapur
	ORS -	Lego PHC	414	Raibaghini
		Gopinathpur PHC	415	Jhenia
			416	Madanmohanpur
			417	Khundanga
			418	Baidanga
			419	Madhuban
			420	Lowgram
			421	Deshere
			422	Lowgram Village
			423	Sihas
			424	Deshra PHC
			425	Deshra Village
			426	Tajpur
			427	Banmukha

Sl. No.	Block	RH / BPHC / PHC	Ref. No.	SC
			428	Sihar
			429	Jibtha
			430	Lalbazar
			431	Seromonipur
			432	Gopinathpur
			433	Aswinkota
			434	Sanaraghunathpur
			435	Bolerpur
			436	Lego
			437	Balitha
			438	Darapur
			439	Chatra
18	Joypur	Joypur BPHC	440	Joypur
	RH - 0	Hijaldiha PHC	441	Salda
	BPHC - 1	Uttarbar PHC	442	Rajagram
	PHC - 4	Jagannathpur PHC	443	Routkhanda
	SC - 25	Hetia PHC	444	Ruisahar
	ORS -		445	Jujur*
			446	Prasadpur Pry.Sch
			447	Shyamnagar
			448	Belia
			449	Hatia
			450	Madhavpur
			451	Bhagaldiha
			452	Gelia
			453	Lokepur
			454	Ramchandrapur
			455	Kuchiakole*
			456	Moynapur
			457	Asurali
			458	Hijaldiha
			459	Uttarbar PHC
			460	Uttarbar
			461	Bankati
			462	Jagannathpur
			463	Angaria
			464	Kharikasuli
19	Bishnupur	Radhanagar BPHC	465	Radhanagar
		Kankila PHC	466	Kankila
		Ajodhya PHC	467	Rokhesole
		Bhora PHC	468	Layekbandh GP
			469	Arjunpur
			470	Bhora
			471	Bendare
			472	Ajodhya
			473	Amral
			474	Uliara
			475	Beliaara

Sl. No.	Block	RH / BPHC / PHC	Ref. No.	SC
			476	Bishra
			477	Dwarika
			478	Gopalpur
			479	Morar
			480	Majuria
			481	Dalaldanga
			482	Bankadaha
			483	Peardoba
			484	Fulboni*
			485	Kharkata
			486	Belsulia
20	Sonamukhi	Sonamukhi RH	487	Rangamati
	RH - 1	Dhulai PHC	488	Dhipara
	BPHC - 0	Kundapuskarini PHC	489	Dhulai
	PHC - 4	Panchal PHC	490	Bidyadharpur*
	SC - 26	Sitoljore New PHC	491	Ruppal
	ORS - 78		492	Radhamohanpur
			493	Bondalhati
			494	Jagmohanpur
			495	Amritpara
			496	Nabason
			497	Ranpur
			498	Kundupuskurini
			499	N-Baracha
			500	Dhansimla
			501	Besia
			502	Manikbazar
			503	Natun Balarampur*
			504	Panchal
			505	Icharia
			506	Kochdihi
			507	Kalyanpur
			508	Rampur
			509	Rapatganj
			510	Pearberia*
			511	Majirdanga
			512	Simla
21	Patrasayer	Patrasayer BPHC	513	Patrasayer (U)
	RH - 0	Noldanga PHC	514	Patrasayer (D)
	BPHC - 1	Kushdwip PHC	515	Hatkrishnagar
	PHC - 3	Balsi PHC	516	Kankardanga*
	SC - 27		517	Narayanpur
	ORS - 54		518	Ghoradanga
			519	Deulpara*
			520	Hamirpur
			521	Khosaipur
			522	Nahala
			523	Belut

Sl. No.	Block	RH / BPHC / PHC	Ref. No.	SC
			524	Bijpur
			525	Kantadighi
			526	Betur
			527	Beiur
			528	Naldanga
			529	Bamira
			530	Balsi Purbapara
			531	Balsi
			532	Kabirchak
			533	Habpukur
			534	Jamkiri
			535	Baraban
			536	Kusadwip
			537	Sahapur
			538	Kakatia
			539	Birsingna
22	Indus	Indus BPHC	540	Indus
	RH - 0	Akui I	541	Dibakarbati
	BPHC - 1	Kenety	542	Khosbag
	PHC - 3	Dighalgram	543	Ausnara
	SC - 25		544	Roll
	ORS - 60		545	Somsar
			546	Birasimul
			547	Kenety
			548	Amrul
			549	Karisunda
			550	Gobindapur
			551	Behar
			552	Mongalpur
			553	Kushmuri
			554	Saspur
			555	Palasi
			556	Charigram
			557	Khatra
			558	Bahalalpur*
			559	Dighalgram
			560	Kunjapur*
			561	Akui
			562	Mandra
			563	Kharshi
			564	Salikona

* The name of the Sub-Centre have been found to be at variance with the list provided by the CMOH Office at Bankura according to the information provided by the concerned BPHN. The name of the Sub-Centre has been updated accordingly.

How it is to be implemented?

I. Administration of Health Care Waste Management:

Administration of Health Care Waste Management for Basic Health Care System in rural area of the district of Bankura involves four levels with specific functions / responsibilities at each of the four levels – State, District, Block and Institution (Health Care Unit) as in the following:

A. State Level:

	Functions / Responsibilities	Officer Responsible
1.	Adoption and communication of policy guidelines: <ul style="list-style-type: none"> o Adoption of Strategy Design with System Outline o Communication of Policy Guidelines to State and District Level Nodal Officers 	State Level Designated Authorities [Jt. Director - Public Health]
2	Construction: <ul style="list-style-type: none"> o Guidelines on construction o Standard setting o Identification of construction agencies o Procedure for handing over (quality management, warranty etc.) o Fund allocation 	State Level Designated Authorities [Jt. Director - Public Health & Deputy Director – SPSRC]
3.	Procurement: <ul style="list-style-type: none"> o Guidelines on procurement o Standard setting o Empanelment o Procedure for procurement (contract, quality management etc.) o Fund allocation o Guidelines on Service Providers 	State Level Designated Authorities [Jt. Director - Public Health & Deputy Director – SPSRC]
4.	Out-Sourcing: <ul style="list-style-type: none"> o Guidelines on Out-Sourcing o Standard setting o Empanelment o Procedure for Out-Sourcing o Fund allocation o Guidelines on Service Providers(contract, payment, supervision etc.) 	State Level Designated Authorities [Jt. Director - Public Health & Deputy Director – SPSRC]
5.	Financial: <ul style="list-style-type: none"> o Allocation and transfer of funds 	State Level Designated Authorities [Jt. Director - Public Health]
6.	Monitoring: <ul style="list-style-type: none"> o Allotment and utilisation funds o District Reports on HCWM 	State Level Designated Authorities [Jt. Director - Public Health]
7.	Facilitating Authorisation by State PCB: <ul style="list-style-type: none"> o System Approval o Procedural matters o Follow-up 	State Level Designated Authorities [Jt. Director - Public Health]
8	Sensitization and training <ul style="list-style-type: none"> o Adoption of a Training Module o Adoption of a Training Schedule 	State Level Designated Authorities [Jt. Director - Public Health and Director - State Level Training Institute (SIHFW)]
9	Any other issue requiring state level intervention	State Level Designated Authorities [Jt. Director - Public Health]

B. District Level:

	Functions / Responsibilities	Officer Responsible
1	Overall Charge:	CMOH
2	Communication of policy: <ul style="list-style-type: none"> ○ All related administrative offices and health care units shall be well informed regarding the Health Care Waste Management implementation plan. 	One Nodal Officer (ACMOH) in charge of HCWM will be identified for all the district level activities.
3	Sensitization and training: <ul style="list-style-type: none"> ○ All related administrative officials and nodal staff of health care units shall be sensitized and trained to discharge their respective duties and responsibilities regarding the Health Care Waste Management implementation plan. ○ Periodic follow-ups 	CMOH & Nodal Officer (ACMOH)
4	Construction: <ul style="list-style-type: none"> ○ Issuance of work order with specification. ○ Acceptance of Completion and Handing Over reports. 	CMOH & Nodal Officer (ACMOH) in collaboration with PRI / PWD
5	Procurement and supply: <ul style="list-style-type: none"> ○ Identification of agencies with ToR. ○ Ensuring regularity and quality of supply. 	ACMOH (M&A)
6	Out-Sourcing: <ul style="list-style-type: none"> ○ Approving Service Providers ○ Contracting district level Service Providers ○ Examining performance Report and Evaluation 	ACMOH (M&A)
7	Financial: <ul style="list-style-type: none"> ○ Fund allocation to purchasing officials. ○ Fund allocation for payment to Service Providers ○ Fund allocation for miscellaneous expenditure 	CMOH, Nodal Officer (ACMOH) in charge of HCWM, ACMOH (M&A)
8	Monitoring: <ul style="list-style-type: none"> ○ Formation and functioning of District level Monitoring Committee for HCWM ○ Fund allocation to purchasing officials ○ Legal compliance ○ Supervisory visits ○ Compilation of reports/feed back and reporting to state level. 	District Monitoring Committee - to include <ul style="list-style-type: none"> ○ Nodal Officer (ACMOH) in charge of HCWM ○ Representative of state PCB ○ Representative of H&FW Samity ○ Representative of DM's office

C. Health Care Unit (HCU) Level:

	Functions / Responsibilities	Officer Responsible
1	Overall Charge:	Concerned - Superintendent (for RH) BMOH (for BPHC) MOIC (for PHC) BPHN (for Block Public Health and Immunisation) HA(F) (for Sub-Centre and Out-Reach Session)
2	Communication of policy: o All staff of health care units shall be well informed regarding the Health Care Waste Management implementation plan.	Concerned Superintendent / BMOH / MOIC / BPHN / HA(F)
3	Sensitization and training: o Concerned Block, PHC and Sub-Centre Level BMW Managers & Handlers shall be sensitized and trained to discharge their respective duties and responsibilities regarding the Health Care Waste Management implementation plan. o Periodic follow-ups	Concerned Superintendent / BMOH / MOIC / BPHN / HA(F)
4	Construction: o Verifying Compliance to Specification o Acceptance of Completion Report and Taking over	Concerned Superintendent / BMOH / MOIC
5	Procurement and supply: o Requisition and purchase. o Quality management. o Payment for miscellaneous services.	Concerned WMI for RH / BPHC / PHC & BPHN for Sub-Centres
6	Approval of expenditure:	Concerned H&FW Samity
7	Financial: o Allocation, transfer and utilisation of funds	Block H&FW Samity / Facility In-charge
8	PPP Contract and Services (if any) supervision: o Service Supervision o Performance Reporting and Evaluation	Block H&FW Samity / Facility In-charge / Concerned WMI
9	Record Keeping: Daily generation, treatment and disposal of BMW Stock maintenance Requisition and purchase. Quality management.	Concerned WMI for RH / BPHC / PHC
10	Monitoring: Constructions Procurement Management & Handling	Concerned Superintendent / BMOH / MOIC / BPHN / HA(F) / WMI / H&FW Samity

Monitoring will also be done by the WBPCB [legal compliance monitoring] at the RH, BPHC and PHC level and by the concerned Health & Family Welfare Samity [social monitoring].

II. Detailed operational plan for HCU by category

A.. Outreach Session

Functions	Executed by	Equipment / Facility	Monitored by	Construction
Defanging of syringes, segregated collection and treatment of BMW by bleach solution as per plan	HA(F)	Tool kit containing needle cutter, safety box, bleaching Powder/ halogen tablet and container for treated cotton swabs, cut syringes and used vials.	HS	None
Transport of Tool kit with its contents from Sub-Centre to Outreach Session Site and back to the Sub-Centre along with treated and general waste.	Vaccine carrier / Link person.	Tool Kit containing needle cutter, safety box, container and bleaching powder / sodium hypochlorite solution.	HS	
Disposal (Swab cotton) / sharps / used vials / cut syringes and general waste as per plan at the Sub-Centre.	HA(F) with the help of Vaccine Carrier / Link Person	Sharp Pit for treated sharps. Storage for recycling. Campus Pit at remote centres for all BMW.	HS	
Record keeping	No separate record keeping is necessary as the concerned Health Assistant In-Charge of SC is to keep records			

B. Sub-Centre

Functions	Executed by	Equipment / Facility	Monitored by	Construction
Defanging of syringes, segregated collection and treatment of BMW by bleach solution as per plan.	HA(F)	Tool kit containing needle cutter, safety box, bleaching Powder/ halogen tablet and container for treated cotton swabs, cut syringes and used vials.	HS	Sharp Pit At Sub-Centres In Govt. premises.
Construction of sharp pit.	Panchayat		BMOH, HS and Pradhan GP	
Disposal - of treated sharps in sharp pit. - of treated cotton swabs (small quantity) in sharp pit.	HA(F)	Sharp Pit Campus Pit (at remote SCs)	HS	
Transportation - of treated and cut syringes and vials to the nearest PHC / BPHC /RH for storage and recycling.	Vaccine carrier / link person to nearest RH / BPHC / PHC	Container/Tool Kit	HS	
Receiving supplies of needle cutter, safety box, container, bleaching powder along with the tool kit.	HA(F)	Storage Space	HS	
Record keeping: Keeping records of supplies and utilization of consumables	HA(F)	Stock Register	HS	

C. RH/BPHC/PHC (to be modified as per requirement)

Functions	Executed by	Equipment / Facility	Departmental Monitoring by	Construction
<p>Segregated collection of waste as per plan: <i>General waste</i> as Recyclables and Bio-degradables <i>Bio-medical waste</i> as Anatomical, Sharps, Recyclables (Solid) and Bio-degradables (Soiled)</p> <p>Collection of all waste is to be done twice in a day or as per necessity and stored or disposed of as per the nature of the waste.</p>	Doctor / Nurse / Pharmacist / Lab. Technician / Patients / Attendants	<p>Different coloured Bins:</p> <ol style="list-style-type: none"> Green for general bio-degradables White/off-white for general recyclables Red for infectious bio-degradables Blue for infectious recyclables Yellow for anatomical waste Yellow Bag (for lining yellow bin for anatomical waste); Safety Box for sharps 	WMI* [Ward Master / Pharmacist / BPHN / any other staff identified by the BMOH / MOIC]	None
Defanging of Syringes and chemical treatment of sharps	Nurse / Lab. Technician	Needle cutter, Safety Box, Bleach Solution / Bleaching Powder	WMI	None
General Waste in Kitchen (where applicable)	Kitchen in charge (Private)	Green Bin for bio-degradables	WMI	None
Disposal of placenta / tissue	Cleaning Staff	Yellow coloured bin and plastic bags, red trolley with biohazard symbol, campus pit.	WMI	Campus pit
Disposal of sharps	Cleaning Staff	Safety Box, campus pit	WMI	Campus pit
Disposal of biodegradable general waste	Cleaning Staff	Bin, Black Trolley and Trench	WMI	Trench
Disposal of recyclable general waste	Cleaning Staff	Bin, Black Trolley and Store Room / Space for storing before recycling	WMI	Store room/space in the sterilizer room for storing recyclables.
Carrying and storage of non-recyclable infectious waste before treatment	Cleaning Staff	Bin, Covered Red Trolley and vat for infectious non-recyclable waste	WMI	Vat (1) for Infectious biodegradables non-recyclables
Carrying and storage of recyclable infectious waste before treatment	Cleaning Staff	Bin, Covered Red Trolley and Vat for infectious recyclable waste	WMI	Vat (2) for infectious recyclable waste
Treatment of Bio-medical waste through sterilizer. 3-4 days/week	Group-D Staff / Outsourced agency	Autoclave / Common Steam Steriliser	WMI	Room for sterilizer.
Storing general and treated recyclables before recycling	Cleaning Staff	Store room for recyclables.	WMI	Store room for recyclables.
Delivery of stored recyclables for recycling. Once in a month	WMI & Cleaning Staff / Outsourced agency	Weighing Scale	WMI	None
Treatment of liquid waste by bleaching powder in waste water treatment tank Once or twice a day	Cleaning Staff	Bleaching Powder, Waste Water Treatment Tank, Soak Pit	WMI	Treatment Tank (May be prefabricated plastic tank).

Procurement and storing logistics and issuing on requisition.	BMOH, WMI with the help of Cleaning Staff	Storing Facility, Stock Register and Issue Register.	WMI	Part of the general store may be used for storing logistics related to BMWM
Record keeping of types and quantities of BMW generated.	WMI / Engagement of private staff	Register with prescribed format.	WMI	None
Accounting for sale proceeds of recyclables (if sold directly to recyclable waste traders)	WMI	Account Book.		
Application for authorization (Form-I) and submission of annual reports (Form-II) to PCB	BMOH / MOIC	Form-I & II of BMW Rules, Registration fees	CMOH	None
Accident reporting	BMOH	Form-III of BMW Rules	CMOH	None

* For conduction and supervision of day to day waste management activities one Waste Management in Charge (WMI) is essential for every RH, BPHC, PHC. Ward Master or Pharmacist (In absence of Ward Master) is the suggested option for entrusting the responsibility of WMI.

Monitoring will also be done by the WBPCB [legal compliance] and the Health & Family Welfare Samity [social monitoring] of the concerned level.

All constructions at RH, BPHC, PHC and SC may be done by the concerned panchayat.

III. Requirement of Legal Compliance, Constructions and Equipments

A. Total requirement by item detailed by category of HCU

ITEMS REQUIRED		RHs 5		BPHC 17		PHC 70		SC 564		For Total No. of HCUs	Total	
		Per Unit	Total	Per Unit	Total	Per Unit	Total	Per Unit	Total			
Legal Compliance	Authorisation	1	5	1	17	1	70	X	X	92	92	
	Annual Report	1	5	1	17	1	70	X	X	92	92	
Constructions	Campus Pit	2	10	1	17	1	70	X	X	92	97	
	Sharp Pit	X	X	X	X	X	X	1	320*	320	320	
	Vat for infectious Non-Recyclables	1	5	1	17	1	70	X	X	92	92	
	Vat for infectious Recyclables	1	5	1	17	1	70	X	X	92	92	
	Store for Recyclables	1	5	1	17	1	70	X	X	92	92	
	Autoclave Room	1	5	1	17	1	70	X	X	92	92	
	Decontamination Tank	1	5	1	17	1	70	X	X	92	92	
	Trenches (Set of 3)	1	5	1	17	1	70	X	X	92	92	
Equipments	Autoclave / Steriliser	1	5	1	17	1	70	X	X	92	92	
	Trolleys (Set of 2: 1 biomedical, 1 general)	4	20	2	34	2	140	X	X	92	194	
	Needle Cutter & Safety Box	8	40	4	68	2	140	2	1128	656	1376	
	Container	X	X	X	X	X	X	2	1128	564	1128	
	Bins (Green, Off-White, Red and Blue) **	20	100	10	170	6	420	X	X	92	690	
	Bin (Yellow)	6	30	2	34	2	140	X	X	92	204	
	Yellow Bag per year	1460	7300	730	12410	365	25550	X	X	92	45260	
	Bleaching Powder for Bleach Solution (kg per year)**	30	150	20	340	15	1050	4	2256	656	3796	
	Tool Kit	X	X	X	X	X	X	2	1128	564	1128	
	Personal Protective Equipments** (PPE)	Gloves	400	2000	150	2550	60	4200	60	33840	656	42590
		Mask	150	750	75	1275	30	2100	30	16920	656	21045
Apron		10	50	6	102	2	140	2	1128	656	1420	
Gum Boot		20	100	10	170	4	280	X	X	92	550	

* Sharp Pits shall be constructed only at Sub-Centres in Government premises except in RHs, BPHCs and PHCs.

** Requirements of Bins, Bleaching Powder and PPEs may vary depending on the actual situation (number of facilities, waste handlers etc.) at HCUs.

B. Checklist for Requirement of Legal Compliance, Constructions and Equipments by Block

Sl. No.	Block	LEGAL COMPLIANCE		CONSTRUCTIONS								EQUIPMENTS				B I N S					Yellow Bag	Bleaching Powder for Bleach Solution	Tool Kit	Personal Protective Equipments (PPE)
		Authorisation	Annual Report	Campus Pit	Sharp Pit	Vat for infectious Non-Recyclables	Vat for infectious Recyclables	Store for Recyclables	Autoclave Room	Decontamination Tank	Trench	Autoclave / Steriliser	Trolley	Needle Cutter & Safety Box	Container	Green	Off-White	Red	Blue	Yellow				
1	Bankura I	3	3	3	11	3	3	3	3	3	3	3	3	21	18	3	3	3	3	3	3	21	18	21
2	Bankura II	3	3	3	13	3	3	3	3	3	3	3	3	26	23	3	3	3	3	3	3	26	23	26
3	Gangajalghati	4	4	4	23	4	4	4	4	4	4	4	4	34	30	4	4	4	4	4	4	34	30	34
4	Barjora	5	5	5	12	5	5	5	5	5	5	5	5	41	36	5	5	5	5	5	5	41	36	41
5	Mejhia	3	3	3	11	3	3	3	3	3	3	3	3	18	15	3	3	3	3	3	3	18	15	18
6	Saltora	4	4	4	16	4	4	4	4	4	4	4	4	27	23	4	4	4	4	4	4	27	23	27
7	Onda	6	6	6	30	6	6	6	6	6	6	6	6	41	35	6	6	6	6	6	6	41	35	41
8	Chhatna	5	5	5	20	5	5	5	5	5	5	5	5	41	36	5	5	5	5	5	5	41	36	41
9	Indpur	4	4	4	12	4	4	4	4	4	4	4	4	31	27	4	4	4	4	4	4	31	27	31
10	Khatra	3	3	3	10	3	3	3	3	3	3	3	3	27	24	3	3	3	3	3	3	27	24	27
11	Hirbandh	3	3	3	8	3	3	3	3	3	3	3	3	21	18	3	3	3	3	3	3	21	18	21
12	Ranibandh	5	5	5	11	5	5	5	5	5	5	5	5	31	26	5	5	5	5	5	5	31	26	31
13	Taldangra	5	5	5	16	5	5	5	5	5	5	5	5	31	26	5	5	5	5	5	5	31	26	31
14	Simlapal	4	4	4	16	4	4	4	4	4	4	4	4	25	21	4	4	4	4	4	4	25	21	25
15	Raipur	4	4	4	15	4	4	4	4	4	4	4	4	37	33	4	4	4	4	4	4	37	33	37
16	Sarenga	2	2	2	9	2	2	2	2	2	2	2	2	19	17	2	2	2	2	2	2	19	17	19
17	Kotulpur	7	7	7	11	7	7	7	7	7	7	7	7	38	31	7	7	7	7	7	7	38	31	38
18	Joypur	5	5	5	20	5	5	5	5	5	5	5	5	30	25	5	5	5	5	5	5	30	25	30
19	Bishnupur	4	4	4	16	4	4	4	4	4	4	4	4	26	22	4	4	4	4	4	4	26	22	26
20	Sonamukhi	5	5	5	15	5	5	5	5	5	5	5	5	31	26	5	5	5	5	5	5	31	26	31
21	Patrasayer	4	4	4	10	4	4	4	4	4	4	4	4	31	27	4	4	4	4	4	4	31	27	31
22	Indus	4	4	4	15	4	4	4	4	4	4	4	4	29	25	4	4	4	4	4	4	29	25	29
Total Requirement		92	92	92	320	92	92	92	92	92	92	92	92	656	564	92	92	92	92	92	92	656	564	656

C. Checklist for Requirement of Legal Compliance, Constructions and Equipments by Block by HCU

Bankura I	HCU Location	HCU Status	SC Ref. No.	SC Govt. Housing	LEGAL COMPLIANCE		CONSTRUCTIONS							EQUIPMENTS			B I N S					Yellow Bag	Bleaching Powder for Bleach Solution	Tool Kit	Personal Protective Equipments (PPE)				
					Authorisation	Annual Report	Campus Pit	Sharp Pit	Vat for infectious Non-Recyclables	Vat for infectious Recyclables	Store for Recyclables	Autoclave Room	Decontamination Tank	Trench	Autoclave / Steriliser	Trolley	Needle Cutter & Safety Box	Container	Green	Off-White	Red					Blue	Yellow		
RH - 0	Anchuri	BPHC			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	
BPHC - 1	Kenjakura	PHC			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	
PHC - 2	Helnasusunia	PHC			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	
SC - 18	Anchuri	SC	1	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y	
Y : Yes	Sanabandh	SC	2	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y	
N : No	Kapista	SC	3	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y	
	Banshi	SC	4	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
N	Jagadalla	SC	5	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y	
	Damodorpur	SC	6	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y	
	Helnasusunia	SC	7	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y	
No Sharp Pit - SC is at RH / BPHC / PHC	Kenjakura	SC	8	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y	
	Tantkanali	SC	9	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y	
	Radhakantapur	SC	10	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y	
	Molebona	SC	11	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y	
	Sunukpahari	SC	12	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y	
	Bhagabanpur	SC	13	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y	
	Kumirdya	SC	14	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y	
	Kankradihi	SC	15	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y	
	Dhagaria	SC	16	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y	
	Chingra	SC	17	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y	
	Belia	SC	18	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y	
	Total			13	3	3	3	11	3	3	3	3	3	3	3	3	21	18	3	3	3	3	3	3	3	21	18	21	

Bankura II	HCU Location	HCU Status	SC Ref. No.	SC Govt. Housing	LEGAL COMPLIANCE		CONSTRUCTIONS							EQUIPMENTS				B I N S					Bleaching Powder for Bleach Solution	Tool Kit	Personal Protective Equipments (PPE)			
					Authorisation	Annual Report	Campus Pit	Sharp Pit	Vat for infectious Non-Recyclables	Vat for infectious Recyclables	Store for Recyclables	Autoclave Room	Decontamination Tank	Trench	Autoclave / Steriliser	Trolley	Needle Cutter & Safety Box	Container	Green	Off-White	Red	Blue				Yellow	Yellow Bag	
RH - 0	Kanchanpur	BPHC			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y	
BPHC - 1	Narrah	PHC			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y	
PHC - 2	Mankanali	PHC			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y	
SC - 23	Kanchanpur	SC	19	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
Y : Yes	Tilabedia	SC	20	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
N : No	Kheriosol	SC	21	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Bikna	SC	22	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Sendra	SC	23	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Kadmaghati	SC	24	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Kesiakole	SC	25	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
No Sharp Pit - SC is at RH / BPHC / PHC	Bhadul	SC	26	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Shyamadaspur	SC	27	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Sanbandha	SC	28	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Narrha	SC	29	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Pratappur	SC	30	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Belboni	SC	31	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Kostia	SC	32	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Maithagopinathpur	SC	33	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Mankanali	SC	34	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Lodna	SC	35	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Aulia	SC	36	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Mogra	SC	37	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Junbedia	SC	38	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Salboni	SC	39	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Harialgara	SC	40	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Bankati	SC	41	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Total			16	3	3	3	13	3	3	3	3	3	3	3	3	26	23	3	3	3	3	3	3	26	23	26	

Gangajal Ghati	HCU Location	HCU Status	SC Ref. No.	SC Govt. Housing	LEGAL COMPLIANCE		CONSTRUCTIONS							EQUIPMENTS			B I N S					Yellow Bag	Bleaching Powder for Bleach Solution	Tool Kit	Personal Protective Equipments (PPE)			
					Authorisation	Annual Report	Campus Pit	Sharp Pit	Vat for infectious Non-Recyclables	Vat for infectious Recyclables	Store for Recyclables	Autoclave Room	Decontamination Tank	Trench	Autoclave / Steriliser	Trolley	Needle Cutter & Safety Box	Container	Green	Off-White	Red					Blue	Yellow	
RH - 1	Amarkanan	RH			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	
BPHC - 0	Srichandanpur	PHC			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	
PHC - 3	Gangajalghati	PHC			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	
SC - 30	Ramharipur	PHC			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	
Y : Yes	Gobindadham	SC	42	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
N : No	Biharjuriya	SC	43	Y	N	N	N	Y	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	Y	Y	Y
	Amarkanan	SC	44	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	Y	Y	Y
	Kukrajore	SC	45	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
N	Bhaktabandh	SC	46	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Ukhradihi	SC	47	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
No Sharp Pit - SC is at RH / BPHC / PHC	Gangajal Ghati	SC	48	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Kesiara	SC	49	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Desuria	SC	50	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Lachhmanpur	SC	51	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Nadiha	SC	52	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Rajamela	SC	53	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Bon Asuria	SC	54	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Gopinathpur	SC	55	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Kustholia	SC	56	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Pirraboni	SC	57	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Kantaboni	SC	58	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Bhattapara	SC	59	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Kapista	SC	60	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Salbedia	SC	61	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Ramharipur	SC	62	Y	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Durlovpur	SC	63	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Amdanga	SC	64	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Latiaboni	SC	65	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Nityanandapur	SC	66	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Bakadaha	SC	67	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Sarangpur	SC	68	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Srichandrapur	SC	69	Y	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Ghatakgram	SC	70	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Barsal	SC	71	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Total			27	4	4	4	23	4	4	4	4	4	4	4	4	34	30	4	4	4	4	4	4	4	34	30	34

Barjora	HCU Location	HCU Status	SC Ref. No.	SC Govt. Housing	LEGAL COMPLIANCE		CONSTRUCTIONS							EQUIPMENTS				B I N S					Yellow Bag	Bleaching Powder for Bleach Solution	Tool Kit	Personal Protective Equipments (PPE)			
					Authorisation	Annual Report	Campus Pit	Sharp Pit	Vat for infectious Non-Recyclables	Vat for infectious Recyclables	Store for Recyclables	Autoclave Room	Decontamination Tank	Trench	Autoclave / Steriliser	Trolley	Needle Cutter & Safety Box	Container	Green	Off-White	Red	Blue					Yellow		
RH - 0	Barjora	BPHC			Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	N	Y		
BPHC - 1	Beliatore	PHC			Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	
PHC - 4	Chhandar	PHC			Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	
SC - 36	Pakhanna	PHC			Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	
Y : Yes	Godardihi	PHC			Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	
N : No	Barjora (E)	SC	72	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	
	Barjora (W)	SC	73	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	
	Bhairabpur	SC	74	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	
N	Paharpur	SC	75	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	Y	Y	
	Chhotamana	SC	76	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	
No Sharp Pit - SC is at RH / BPHC / PHC	Maliara (E)	SC	77	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	
	Maliara (W)	SC	78	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	
	Madhabpur	SC	79	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	
	Napara	SC	80	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	
	Ghutgaria	SC	81	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	
	Pratappur	SC	82	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	
	Kadasole	SC	83	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	
	Baguli	SC	84	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	Y	Y
	Sarali	SC	85	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	
	Kotalpukur	SC	86	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	
	Hatashuria	SC	87	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	
	Rajprasadpur	SC	88	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	
	Pakhanna	SC	89	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	
	Baramana	SC	90	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	
	Tajpur	SC	91	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	
	Gardardihi	SC	92	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	
	Dadhimukha	SC	93	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	
	Jagannathpur	SC	94	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	
	Saharjora	SC	95	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	
	Shitla	SC	96	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	
	Jambedia	SC	97	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	
	Khandary	SC	98	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	
	Beliatore (W)	SC	99	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	
	Beliatore (E)	SC	100	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	
	Dhabani	SC	101	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	
	Phulberia	SC	102	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	
	Chandar	SC	103	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	
	Chandanpur	SC	104	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	
	Barobendiya	SC	105	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	
	Brindabanpur	SC	106	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	
	Barkura	SC	107	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	
	Total			17	5	5	5	12	5	5	5	5	5	5	5	5	41	36	5	5	5	5	5	5	5	41	36	41	

Saltora	HCU Location	HCU Status	SC Ref. No.	SC Govt. Housing	LEGAL COMPLIANCE		CONSTRUCTIONS							EQUIPMENTS				B I N S					Yellow Bag	Bleaching Powder for Bleach Solution	Tool Kit	Personal Protective Equipments (PPE)		
					Authorisation	Annual Report	Campus Pit	Sharp Pit	Vat for infectious Non-Recyclables	Vat for infectious Recyclables	Store for Recyclables	Autoclave Room	Decontamination Tank	Trench	Autoclave / Steriliser	Trolley	Needle Cutter & Safety Box	Container	Green	Off-White	Red	Blue					Yellow	
RH - 0	Saltora	BPHC			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y	
BPHC - 1	Ituri	PHC			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y	
PHC - 3	Gogra	PHC			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y	
SC - 23	Kastora	PHC			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y	
Y : Yes	Saltora	SC	123	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y
N : No	Subda	SC	124	Y	N	N	N	Y	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y
	Shyampur	SC	125	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y
	Bamuntore	SC	126	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y
N	Saburbandh	SC	127	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y
	Balarampur	SC	128	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y
No Sharp Pit - SC is at RH / BPHC / PHC	Tiluri	SC	129	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y
	Ituri	SC	130	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y
	Simladihi	SC	131	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y
	Kanuri	SC	132	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y
	Dhatala	SC	133	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y
	Barkona	SC	134	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y
	Gogra	SC	135	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y
	Natkamla	SC	136	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y
	Dekia	SC	137	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y
	Ranjitpur	SC	138	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y
	Chuaberia	SC	139	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y
	Pabra	SC	140	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y
	Salroha	SC	141	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y
	Kantabaid	SC	142	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y
	Kastora	SC	143	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y
	Durlabpur	SC	144	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y
	Majit	SC	145	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y
	Total			19	4	4	4	16	4	4	4	4	4	4	4	4	27	23	4	4	4	4	4	4	4	27	23	27

Mejhia	HCU Location	HCU Status	SC Ref. No.	SC Govt. Housing	LEGAL COMPLIANCE		CONSTRUCTIONS							EQUIPMENTS				B I N S					Yellow Bag	Bleaching Powder for Bleach Solution	Tool Kit	Personal Protective Equipments (PPE)		
					Authorisation	Annual Report	Campus Pit	Sharp Pit	Vat for infectious Non-Recyclables	Vat for infectious Recyclables	Store for Recyclables	Autoclave Room	Decontamination Tank	Trench	Autoclave / Steriliser	Trolley	Needle Cutter & Safety Box	Container	Green	Off-White	Red	Blue					Yellow	
RH - 0	Mejhia	BPHC			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	
BPHC - 1	Ramchandrapur	PHC			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	
PHC - 2	Pairasole	PHC			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	
SC - 15	Mejhia	SC	108	Y	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y	
Y : Yes	Gopalganj	SC	109	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
N : No	Dang Mejhia	SC	110	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Ardhagram	SC	111	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Bharakalibari	SC	112	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Ghursra	SC	113	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Pairasole	SC	114	Y	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
No Sharp Pit - SC is at RH / BPHC / PHC	Kansara	SC	115	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Kendut	SC	116	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Ramchandrapur	SC	117	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Nandanpur	SC	118	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Ranipur	SC	119	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Bharra	SC	120	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Jongpur	SC	121	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Jopamali	SC	122	Y	N	N	N	Y	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	Y	Y	Y
	Total			13	3	3	3	11	3	3	3	3	3	3	3	18	15	3	3	3	3	3	3	3	18	15	18	

Saltora	HCU Location	HCU Status	SC Ref. No.	SC Govt. Housing	LEGAL COMPLIANCE		CONSTRUCTIONS							EQUIPMENTS				B I N S					Yellow Bag	Bleaching Powder for Bleach Solution	Tool Kit	Personal Protective Equipments (PPE)		
					Authorisation	Annual Report	Campus Pit	Sharp Pit	Vat for infectious Non-Recyclables	Vat for infectious Recyclables	Store for Recyclables	Autoclave Room	Decontamination Tank	Trench	Autoclave / Steriliser	Trolley	Needle Cutter & Safety Box	Container	Green	Off-White	Red	Blue					Yellow	
RH - 0	Saltora	BPHC			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y	
BPHC - 1	Ituri	PHC			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y	
PHC - 3	Gogra	PHC			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y	
SC - 23	Kastora	PHC			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y	
Y : Yes	Saltora	SC	123	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y
N : No	Subda	SC	124	Y	N	N	N	Y	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y
	Shyampur	SC	125	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y
	Bamuntore	SC	126	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y
N	Saburbandh	SC	127	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y
	Balarampur	SC	128	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y
No Sharp Pit - SC is at RH / BPHC / PHC	Tiluri	SC	129	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y
	Ituri	SC	130	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y
	Simladihi	SC	131	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y
	Kanuri	SC	132	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y
	Dhatala	SC	133	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y
	Barkona	SC	134	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y
	Gogra	SC	135	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y
	Natkamla	SC	136	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y
	Dekia	SC	137	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y
	Ranjitpur	SC	138	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y
	Chuaberia	SC	139	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y
	Pabra	SC	140	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y
	Salroha	SC	141	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y
	Kantabaid	SC	142	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y
	Kastora	SC	143	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y
	Durlabpur	SC	144	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y
	Majit	SC	145	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y
	Total			19	4	4	4	16	4	4	4	4	4	4	4	4	27	23	4	4	4	4	4	4	4	27	23	27

Onda	HCU Location	HCU Status	SC Ref. No.	SC Govt. Housing	LEGAL COMPLIANCE		CONSTRUCTIONS							EQUIPMENTS				B I N S					Yellow Bag	Bleaching Powder for Bleach Solution	Tool Kit	Personal Protective Equipments (PPE)			
					Authorisation	Annual Report	Campus Pit	Sharp Pit	Vat for infectious Non-Recyclables	Vat for infectious Recyclables	Store for Recyclables	Autoclave Room	Decontamination Tank	Trench	Autoclave / Steriliser	Trolley	Needle Cutter & Safety Box	Container	Green	Off-White	Red	Blue					Yellow		
RH - 0	Onda	BPHC			Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	
BPHC - 1	Nakaijuri	PHC			Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	
PHC - 5	Santore	PHC			Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	
SC - 35	Ramsagar	PHC			Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	
Y : Yes	Ratanpur	PHC			Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	
N : No	Nikunjapur New	PHC			Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	
	Ramsagar	SC	146	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Puncha	SC	147	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
N	Barui para	SC	148	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Nischintipur	SC	149	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
No Sharp Pit - SC is at RH / BPHC / PHC	Murakata	SC	150	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Onda	SC	151	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Sadista	SC	152	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Onda Gram	SC	153	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Kumardanga	SC	154	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Khamarberia	SC	155	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Suklai	SC	156	Y	N	N	N	Y	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Nabajibanpur	SC	157	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Majdiha	SC	158	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Gamirdya	SC	159	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Santore	SC	160	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Baliara	SC	161	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Sahapur	SC	162	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Mankhamar	SC	163	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Punisole (E)	SC	164	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Punisole (W)	SC	165	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Upardanga	SC	166	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Benazira	SC	167	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Kalyani	SC	168	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Hirapur	SC	169	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Binodnagar	SC	170	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Ratanpur	SC	171	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Chotokurpa	SC	172	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Bhulanpur	SC	173	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Gopalpur	SC	174	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Chowlabad	SC	175	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Chingoni	SC	176	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Nakaijuri	SC	177	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Agaya	SC	178	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Jadabnagar	SC	179	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Purusattampur	SC	180	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Total			35	6	6	6	30	6	6	6	6	6	6	6	41	35	6	6	6	6	6	6	6	6	41	35	41	

Chhatna	HCU Location	HCU Status	SC Ref. No.	SC Govt. Housing	LEGAL COMPLIANCE		CONSTRUCTIONS							EQUIPMENTS				B I N S					Yellow Bag	Bleaching Powder for Bleach Solution	Tool Kit	Personal Protective Equipments (PPE)				
					Authorisation	Annual Report	Campus Pit	Sharp Pit	Vat for infectious Non-Recyclables	Vat for infectious Recyclables	Store for Recyclables	Autoclave Room	Decontamination Tank	Trench	Autoclave / Steriliser	Trolley	Needle Cutter & Safety Box	Container	Green	Off-White	Red	Blue					Yellow			
RH - 0	Chhatna	BPHC			Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y		
BPHC - 1	Salchura	PHC			Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y		
PHC - 4	Jorehira	PHC			Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y		
SC - 36	Jhantipahari	PHC			Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y		
Y : Yes	Bhabanpur	PHC			Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y		
N : No	Chhatna	SC	181	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	Y	
	Laxinarayanpur	SC	182	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y	
	Kamarkuli	SC	183	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y	
N	Dubrajpur	SC	184	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y	
	Kharbona	SC	185	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y	
No Sharp Pit - SC is at RH / BPHC / PHC	Dengakendh	SC	186	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y	
	Ghosergram	SC	187	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y	
	Susunia	SC	188	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y	
	Parasibona	SC	189	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y	
	Gidhurja	SC	190	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y	
	Jhunjka	SC	191	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y	
	Desora	SC	192	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y	
	Ituri	SC	193	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y	
		Jhantipahari	SC	194	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
		Arrha	SC	195	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Murgabari	SC	196	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y	
	Kaminbedia	SC	197	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y	
	Jirra	SC	198	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y	
	Garrah	SC	199	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y	
	Jorehira	SC	200	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y	
	Jamtholi	SC	201	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y	
	Dhaban	SC	202	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y	
	Asurabad	SC	203	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y	
	Saldiha	SC	204	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y	
	Chamtagara	SC	205	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y	
	Bandardiha	SC	206	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y	
	Salchura	SC	207	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y	
	Jamtora	SC	208	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y	
	Kamarpur	SC	209	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y	
	Chinabari	SC	210	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y	
	Metaliya	SC	211	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y	
	Budhanpur	SC	212	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y	
	Kantapahari	SC	213	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y	
	Banpusra	SC	214	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y	
	Tisrakelay	SC	215	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y	
	Gholgoria	SC	216	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y	
	Total			24	5	5	5	20	5	5	5	5	5	5	5	5	41	36	5	5	5	5	5	5	5	5	41	36	41	

Indpur	HCU Location	HCU Status	SC Ref. No.	SC Govt. Housing	LEGAL COMPLIANCE		CONSTRUCTIONS							EQUIPMENTS				B I N S					Yellow Bag	Bleaching Powder for Bleach Solution	Tool Kit	Personal Protective Equipments (PPE)	
					Authorisation	Annual Report	Campus Pit	Sharp Pit	Vat for infectious Non-Recyclables	Vat for infectious Recyclables	Store for Recyclables	Autoclave Room	Decontamination Tank	Trench	Autoclave / Steriliser	Trolley	Needle Cutter & Safety Box	Container	Green	Off-White	Red	Blue					Yellow
RH - 0	Indpur	BPHC			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y		
BPHC - 1	Hatagram	PHC			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y	
PHC - 3	Gunnah	PHC			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y	
SC - 27	Saldiha New	PHC			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y	
Y : Yes	Banagram	SC	217	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	Y	Y	Y	
N : No	Dubrajpur	SC	218	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	Y	Y	Y	
	Ahanda	SC	219	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	Y	Y	Y	
N	Bramhandiha	SC	220	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	Y	Y	Y	
	Natherdanga	SC	221	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	Y	Y	Y	
	Fulkusma	SC	222	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	Y	Y	Y	
No Sharp Pit - SC is at RH / BPHC / PHC	Saldiha	SC	223	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	Y	Y	Y	
	Raghunathpur	SC	224	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	Y	Y	Y	
	Jorda	SC	225	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	Y	Y	Y	
	Sonardanga	SC	226	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	Y	Y	Y	
	Banshidihi	SC	227	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	Y	Y	Y	
	Dangarampur	SC	228	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	Y	Y	Y	
	Puara	SC	229	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	Y	Y	Y	
	Gobindapur	SC	230	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	Y	Y	Y	
	Kadamdeuli	SC	231	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	Y	Y	Y
	Indpur	SC	232	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	Y	Y	Y
	Purusottampur	SC	233	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	Y	Y	Y	
	Chakaltore	SC	234	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	Y	Y	Y	
	Bhatra	SC	235	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	Y	Y	Y	
	Kelaipathar	SC	236	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	Y	Y	Y	
	Gourbazar	SC	237	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	Y	Y	Y	
	Khirpay	SC	238	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	Y	Y	Y	
	Atbaichandi	SC	239	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	Y	Y	Y	
	Brajarajpur	SC	240	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	Y	Y	Y	
	Araldihi	SC	241	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	Y	Y	Y	
	Nayada	SC	242	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	Y	Y	Y	
	Gunnath	SC	243	Y	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	Y	Y	Y	
	Total			14	4	4	4	12	4	4	4	4	4	4	4	31	27	4	4	4	4	4	4	31	27	31	

Khatra	HCU Location	HCU Status	SC Ref. No.	SC Govt. Housing	LEGAL COMPLIANCE		CONSTRUCTIONS							EQUIPMENTS				B I N S					Yellow Bag	Bleaching Powder for Bleach Solution	Tool Kit	Personal Protective Equipments (PPE)	
					Authorisation	Annual Report	Campus Pit	Sharp Pit	Vat for infectious Non-Recyclables	Vat for infectious Recyclables	Store for Recyclables	Autoclave Room	Decontamination Tank	Trench	Autoclave / Steriliser	Trolley	Needle Cutter & Safety Box	Container	Green	Off-White	Red	Blue					Yellow
RH - 0	Khatra	BPHC			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y	
BPHC - 1	Beniabandh	PHC			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y	
PHC - 2	Simla	PHC			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y	
SC - 24	Khatra	SC	244	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y
Y : Yes	Shyampur	SC	245	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y
N : No	Papra	SC	246	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y
	Bantila	SC	247	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y
	Tantulchita	SC	248	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y
N	Darsole	SC	249	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y
	Jhariakocha	SC	250	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y
No Sharp Pit - SC is at RH / BPHC / PHC	Gorabari	SC	251	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y
	Kadambara	SC	252	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y
	Radhamohanpur	SC	253	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y
	Supur	SC	254	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y
	Dharamouli	SC	255	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y
	Muragram	SC	256	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y
	Baidyanathpur	SC	257	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y
	Nagri	SC	258	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y
	Kesia	SC	259	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y
	Simla	SC	260	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y
	Sindurpeti	SC	261	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y
	Dhanara	SC	262	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y
	Kashipur	SC	263	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y
	Dahala	SC	264	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y
	Dharagram	SC	265	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y
	Beniabandh	SC	266	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y
	Sikrabandh	SC	267	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y
	Total			11	3	3	3	10	3	3	3	3	3	3	3	27	24	3	3	3	3	3	3	3	27	24	27

Hirbandh	HCU Location	HCU Status	SC Ref. No.	SC Govt. Housing	LEGAL COMPLIANCE		CONSTRUCTIONS							EQUIPMENTS				B I N S					Yellow Bag	Bleaching Powder for Bleach Solution	Tool Kit	Personal Protective Equipments (PPE)			
					Authorisation	Annual Report	Campus Pit	Sharp Pit	Vat for infectious Non-Recyclables	Vat for infectious Recyclables	Store for Recyclables	Autoclave Room	Decontamination Tank	Trench	Autoclave / Steriliser	Trolley	Needle Cutter & Safety Box	Container	Green	Off-White	Red	Blue					Yellow		
RH - 0	Amjhuri	BPHC			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	N	Y		
BPHC - 1	Molian	PHC			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	
PHC - 2	Mosiara	PHC			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	
SC - 18	Hirbandh	SC	268	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y	Y	
Y : Yes	Jhantipukuria	SC	269	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y	Y
N : No	Bhuniakana	SC	270	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y	Y
	Musleha	SC	271	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y	Y
	Baharamuri	SC	272	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y	Y
N	Hatirampur	SC	273	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y	Y
	Nada	SC	274	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y	Y
No Sharp Pit - SC is at RH / BPHC / PHC	Dighi	SC	275	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y	Y
	Molian	SC	276	Y	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y	Y
	Ranga	SC	277	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y	Y
	Bramhandanga	SC	278	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y	Y
	Gopalpur	SC	279	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y	Y
	Saluipahari	SC	280	N	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y	Y
	Teilabaid	SC	281	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y	Y
	Mosiara	SC	282	Y	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y	Y
	Amjuri	SC	283	Y	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y	Y
	Simlabandh	SC	284	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y	Y
	Massanjhar	SC	285	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y	Y
	Total			10	3	3	3	8	3	3	3	3	3	3	3	21	18	3	3	3	3	3	3	3	3	21	18	21	21

Ranibandh	HCU Location	HCU Status	SC Ref. No.	SC Govt. Housing	LEGAL COMPLIANCE		CONSTRUCTIONS							EQUIPMENTS				B I N S					Yellow Bag	Bleaching Powder for Bleach Solution	Tool Kit	Personal Protective Equipments (PPE)			
					Authorisation	Annual Report	Campus Pit	Sharp Pit	Vat for infectious Non-Recyclables	Vat for infectious Recyclables	Store for Recyclables	Autoclave Room	Decontamination Tank	Trench	Autoclave / Steriliser	Trolley	Needle Cutter & Safety Box	Container	Green	Off-White	Red	Blue					Yellow		
RH - 0	Ranibandh	BPHC			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y			
BPHC - 1	Jhilimili	PHC			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y		
PHC - 4	Barikul	PHC			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y		
SC - 26	Haludkanali	PHC			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y		
Y : Yes	Khejuria	PHC			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y		
N : No	Ranibandh	SC	286	Y	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y	
	G-Haludkanali	SC	287	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	Y	Y	Y
	Mithan	SC	288	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	Y	Y	Y
N	Ledapakar	SC	289	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	Y	Y	Y
	Birkham	SC	290	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	Y	Y	Y
No Sharp Pit - SC is at RH / BPHC / PHC	Akkhuta	SC	291	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	Y	Y	Y
	Deuli	SC	292	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	Y	Y	Y
	Haludkanali	SC	293	Y	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	Y	Y	Y
	Tungcharo	SC	294	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	Y	Y	Y
	Puranpani	SC	295	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	Y	Y	Y
	Ambikanagar	SC	296	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	Y	Y	Y
	Ladda	SC	297	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	Y	Y	Y
	Dabri (new)	SC	298	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	Y	Y	Y
	Dhanara	SC	299	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	Y	Y	Y
	Bonpukuria	SC	300	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	Y	Y	Y
	Rudra	SC	301	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	Y	Y	Y
	Komo (new)	SC	302	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	Y	Y	Y
	Bethuala	SC	303	Y	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	Y	Y	Y
	Barikul	SC	304	Y	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	Y	Y	Y
	Dhankura	SC	305	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	Y	Y	Y
	Chandapathar	SC	306	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	Y	Y	Y
	Majgeria	SC	307	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	Y	Y	Y
	Jhilimili	SC	308	Y	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	Y	Y	Y
	Khejuria	SC	309	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	Y	Y	Y
	Muchikata	SC	310	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	Y	Y	Y
	Madhabpur (Shyamadi)	SC	311	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	Y	Y	Y
	Total			16	5	5	5	11	5	5	5	5	5	5	5	31	26	5	5	5	5	5	5	5	5	31	26	31	

Taldangra	HCU Location	HCU Status	SC Ref. No.	SC Govt. Housing	LEGAL COMPLIANCE		CONSTRUCTIONS							EQUIPMENTS				B I N S					Yellow Bag	Bleaching Powder for Bleach Solution	Tool Kit	Personal Protective Equipments (PPE)			
					Authorisation	Annual Report	Campus Pit	Sharp Pit	Vat for infectious Non-Recyclables	Vat for infectious Recyclables	Store for Recyclables	Autoclave Room	Decontamination Tank	Trench	Autoclave / Steriliser	Trolley	Needle Cutter & Safety Box	Container	Green	Off-White	Red	Blue					Yellow		
RH - 1	Taldangra	RH			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y		
BPHC - 0	Amdangra	PHC			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	
PHC - 4	Harmasra	PHC			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	
SC - 26	Bibarda	PHC			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	
Y : Yes	Joypur	PHC			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	
N : No	Taldangra	SC	312	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Pakurdiha	SC	313	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Dalangora	SC	314	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
N	Bibarda	SC	315	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Jugda	SC	316	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
No Sharp Pit - SC is at RH / BPHC / PHC	Bhutama	SC	317	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Bhedua	SC	318	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Porardanga	SC	319	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Kelati	SC	320	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Beldangra	SC	321	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Harmasra	SC	322	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Jarka	SC	323	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Khichka	SC	324	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Fulmoti	SC	325	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Chakshyampur	SC	326	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Joypur	SC	327	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Panchmura	SC	328	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Sidabad/Radhanagar	SC	329	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Methana	SC	330	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Dhodanga Village	SC	331	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Dhodanga/Paridhi	SC	332	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Saltora	SC	333	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Koniari	SC	334	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Amdangra	SC	335	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Giridharipur	SC	336	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Kharkhari	SC	337	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Total			21	5	5	5	16	5	5	5	5	5	5	5	5	31	26	5	5	5	5	5	5	5	31	26	31	

Simlupal	HCU Location	HCU Status	SC Ref. No.	SC Govt. Housing	LEGAL COMPLIANCE		CONSTRUCTIONS							EQUIPMENTS				B I N S					Yellow Bag	Bleaching Powder for Bleach Solution	Tool Kit	Personal Protective Equipments (PPE)		
					Authorisation	Annual Report	Campus Pit	Sharp Pit	Vat for infectious Non-Recyclables	Vat for infectious Recyclables	Store for Recyclables	Autoclave Room	Decontamination Tank	Trench	Autoclave / Steriliser	Trolley	Needle Cutter & Safety Box	Container	Green	Off-White	Red	Blue					Yellow	
RH - 0	Simlupal	BPHC			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y	
BPHC - 1	Lakshmisagar	PHC			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y	
PHC - 3	Hatibari	PHC			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y	
SC - 21	Arrah	PHC			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y	
Y : Yes	Simlupal	SC	338	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
N : No	Krishnapur	SC	339	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Mukundapur	SC	340	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Machatora	SC	341	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Parilia	SC	342	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Bhutsahar	SC	343	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
No Sharp Pit - SC is at RH / BPHC / PHC	Arrha	SC	344	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Boricha	SC	345	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Lakshmisagar	SC	346	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Harinayaguri	SC	347	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Bonkata	SC	348	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Parshala	SC	349	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Pukhuria	SC	350	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Mamra	SC	351	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Hatibari	SC	352	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Putiadaha	SC	353	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Paipal	SC	354	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Bikrampur	SC	355	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Hetagara	SC	356	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Kalabati	SC	357	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Jorisha	SC	358	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Total			20	4	4	4	16	4	4	4	4	4	4	4	4	25	21	4	4	4	4	4	4	4	25	21	25

Sarenga	HCU Location	HCU Status	SC Ref. No.	SC Govt. Housing	LEGAL COMPLIANCE		CONSTRUCTIONS							EQUIPMENTS			B I N S					Yellow Bag	Bleaching Powder for Bleach Solution	Tool Kit	Personal Protective Equipments (PPE)			
					Authorisation	Annual Report	Campus Pit	Sharp Pit	Vat for infectious Non-Recyclables	Vat for infectious Recyclables	Store for Recyclables	Autoclave Room	Decontamination Tank	Trench	Autoclave / Steriliser	Trolley	Needle Cutter & Safety Box	Container	Green	Off-White	Red					Blue	Yellow	
RH - 0	Sarenga	BPHC			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y	
BPHC - 1	Krishnapur	PHC			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y	
PHC - 1	Krishnapur	SC	392	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
SC - 17	Jamboni	SC	393	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
Y : Yes	Moukura	SC	394	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
N : No	Chiltore	SC	395	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Dandi	SC	396	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Banpur	SC	397	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
N	Sarenga	SC	398	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Fulbera	SC	399	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
No Sharp Pit - SC is at	Sarulia	SC	400	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
RH / BPHC / PHC	Telejat	SC	401	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Sukhadali	SC	402	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Chingra	SC	403	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Baragadra	SC	404	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Bikrampur	SC	405	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Taldiha	SC	406	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Baispathra	SC	407	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	P-Deuli	SC	408	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Total			14	2	2	2	9	2	2	2	2	2	2	2	2	19	17	2	2	2	2	2	2	2	19	17	19

Joypur	HCU Location	HCU Status	SC Ref. No.	SC Govt. Housing	LEGAL COMPLIANCE		CONSTRUCTIONS							EQUIPMENTS			B I N S					Yellow Bag	Bleaching Powder for Bleach Solution	Tool Kit	Personal Protective Equipments (PPE)				
					Authorisation	Annual Report	Campus Pit	Sharp Pit	Vat for infectious Non-Recyclables	Vat for infectious Recyclables	Store for Recyclables	Autoclave Room	Decontamination Tank	Trench	Autoclave / Steriliser	Trolley	Needle Cutter & Safety Box	Container	Green	Off-White	Red					Blue	Yellow		
RH - 0	Joypur	BPHC			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y		
BPHC - 1	Hijaldiha	PHC			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y		
PHC - 4	Uttarbar	PHC			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y		
SC - 25	Jagannathpur	PHC			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y		
Y : Yes	Hetia	PHC			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y		
N : No	Joypur	SC	440	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Salda	SC	441	Y	N	N	N	Y	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Rajagram	SC	442	Y	N	N	N	Y	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
N	Routkhanda	SC	443	Y	N	N	N	Y	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Ruisahar	SC	444	Y	N	N	N	Y	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
No Sharp Pit - SC is at RH / BPHC / PHC	Jujur	SC	445	Y	N	N	N	Y	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Prasadpur Pry.Sch	SC	446	Y	N	N	N	Y	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Shyamnagar	SC	447	Y	N	N	N	Y	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Belia	SC	448	Y	N	N	N	Y	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Hatia	SC	449	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Madhavpur	SC	450	Y	N	N	N	Y	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Bhagaldiha	SC	451	Y	N	N	N	Y	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Gelia	SC	452	Y	N	N	N	Y	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Lokepur	SC	453	Y	N	N	N	Y	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Ramchandrapur	SC	454	Y	N	N	N	Y	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Kuchikole	SC	455	Y	N	N	N	Y	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Moynapur	SC	456	Y	N	N	N	Y	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Asurali	SC	457	Y	N	N	N	Y	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Hijaldiha	SC	458	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Uttarbar PHC	SC	459	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Uttarbar	SC	460	Y	N	N	N	Y	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Bankati	SC	461	Y	N	N	N	Y	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Jagannathpur	SC	462	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Angaria	SC	463	Y	N	N	N	Y	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Kharikasuli	SC	464	Y	N	N	N	Y	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Total			25	5	5	5	20	5	5	5	5	5	5	5	5	30	25	5	5	5	5	5	5	5	30	25	30	

Bishnupur	HCU Location	HCU Status	SC Ref. No.	SC Govt. Housing	LEGAL COMPLIANCE		CONSTRUCTIONS							EQUIPMENTS				B I N S					Yellow Bag	Bleaching Powder for Bleach Solution	Tool Kit	Personal Protective Equipments (PPE)		
					Authorisation	Annual Report	Campus Pit	Sharp Pit	Vat for infectious Non-Recyclables	Vat for infectious Recyclables	Store for Recyclables	Autoclave Room	Decontamination Tank	Trench	Autoclave / Steriliser	Trolley	Needle Cutter & Safety Box	Container	Green	Off-White	Red	Blue					Yellow	
RH - 0	Radhanagar	BPHC			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y		
BPHC - 1	Kankila	PHC			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	
PHC - 3	Ajodhya	PHC			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	
SC - 22	Bhora	PHC			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	
Y : Yes	Radhanagar	SC	465	Y	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y	
N : No	Kankila	SC	466	Y	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y	
	Rokhesole	SC	467	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y	
	Layekbandh	SC	468	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y	
N	Arjunpur	SC	469	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y	
	Bhora	SC	470	Y	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y	
No Sharp Pit - SC is at RH / BPHC / PHC	Bendare	SC	471	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y	
	Ajodhya	SC	472	Y	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y	
	Amral	SC	473	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y	
	Uliara	SC	474	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y	
	Beliara	SC	475	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y	
	Bishra	SC	476	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y	
	Dwarika	SC	477	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y	
	Gopalpur	SC	478	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y	
	Morar	SC	479	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y	
	Majuria	SC	480	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y	
	Dalaldanga	SC	481	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y	
	Bankadaha	SC	482	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y	
	Peardoba	SC	483	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y	
	Fulmoni	SC	484	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y	
	Kharkata	SC	485	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y	
	Belsulia	SC	486	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y	
	Total			20	4	4	4	16	4	4	4	4	4	4	4	4	26	22	4	4	4	4	4	4	4	26	22	26

Sonamukhi	HCU Location	HCU Status	SC Ref. No.	SC Govt. Housing	LEGAL COMPLIANCE		CONSTRUCTIONS								EQUIPMENTS				B I N S					Yellow Bag	Bleaching Powder for Bleach Solution	Tool Kit	Personal Protective Equipments (PPE)	
					Authorisation	Annual Report	Campus Pit	Sharp Pit	Vat for infectious Non-Recyclables	Vat for infectious Recyclables	Store for Recyclables	Autoclave Room	Decontamination Tank	Trench	Autoclave / Steriliser	Trolley	Needle Cutter & Safety Box	Container	Green	Off-White	Red	Blue	Yellow					
RH - 1	Sonamukhi	RH			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	
BPHC - 0	Dhulai	PHC			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	N	Y
PHC - 4	Kundapuskarini	PHC			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	N	Y
SC - 26	Panchal	PHC			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	N	Y
Y : Yes	Sitoljore New	PHC			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	N	Y
N : No	Rangamati	SC	487	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Dhipara	SC	488	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
N	Dhulai	SC	489	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Bidyadharpur	SC	490	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Ruppal	SC	491	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
No Sharp Pit - SC is at RH / BPHC / PHC	Radhamohanpur	SC	492	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Bondalhati	SC	493	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Jagmohanpur	SC	494	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Amritpara	SC	495	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Nabason	SC	496	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Ranpur	SC	497	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Kundupuskurini	SC	498	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	N-Barachar	SC	499	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Dhansimla	SC	500	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Besia	SC	501	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Manikbazar	SC	502	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Natun Balarampur	SC	503	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Panchal	SC	504	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Icharia	SC	505	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Kochdihi	SC	506	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Kalyanpur	SC	507	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Rampur	SC	508	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Rapatganj	SC	509	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Pearberia	SC	510	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Majirdanga	SC	511	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Simla	SC	512	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	Y
	Total			18	5	5	5	15	5	5	5	5	5	5	5	31	26	5	5	5	5	5	5	5	31	26	31	

Patrasayer	HCU Location	HCU Status	SC Ref. No.	SC Govt. Housing	LEGAL COMPLIANCE		CONSTRUCTIONS							EQUIPMENTS				B I N S					Bleaching Powder for Bleach Solution	Tool Kit	Personal Protective Equipments (PPE)				
					Authorisation	Annual Report	Campus Pit	Sharp Pit	Vat for infectious Non-Recyclables	Vat for infectious Recyclables	Store for Recyclables	Autoclave Room	Decontamination Tank	Trench	Autoclave / Steriliser	Trolley	Needle Cutter & Safety Box	Container	Green	Off-White	Red	Blue				Yellow	Yellow Bag		
RH - 0	Patrasayer	BPHC			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	
BPHC - 1	Noldanga	PHC			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	
PHC - 3	Kushadwip	PHC			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	
SC - 27	Balsi	PHC			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	
Y : Yes	Patrasayer (U)	SC	513	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
N : No	Patrasayer (D)	SC	514	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Hatkrishnagar	SC	515	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Kankardanga	SC	516	N	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
N	Narayanpur	SC	517	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Ghoradanga	SC	518	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
No Sharp Pit - SC is at RH / BPHC / PHC	Deulpara	SC	519	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Hamirpur	SC	520	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Khosaipur	SC	521	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Nahala	SC	522	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Belut	SC	523	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Bijpur	SC	524	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Kantadighi	SC	525	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Betur	SC	526	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Beiur	SC	527	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Naldanga	SC	528	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Bamira	SC	529	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Balsi Purbapara	SC	530	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Balsi	SC	531	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Kabirchak	SC	532	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Habpukur	SC	533	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Jamkuri	SC	534	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Baraban	SC	535	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Kusadwip	SC	536	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Sahapur	SC	537	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Kakatia	SC	538	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Birsingna	SC	539	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y
	Total			14	4	4	4	10	4	4	4	4	4	4	4	4	31	27	4	4	4	4	4	4	4	31	27	31	

Indus	HCU Location	HCU Status	SC Ref. No.	SC Govt. Housing	LEGAL COMPLIANCE		CONSTRUCTIONS							EQUIPMENTS				B I N S					Bleaching Powder for Bleach Solution	Tool Kit	Personal Protective Equipments (PPE)				
					Authorisation	Annual Report	Campus Pit	Sharp Pit	Vat for infectious Non-Recyclables	Vat for infectious Recyclables	Store for Recyclables	Autoclave Room	Decontamination Tank	Trench	Autoclave / Steriliser	Trolley	Needle Cutter & Safety Box	Container	Green	Off-White	Red	Blue				Yellow	Yellow Bag		
RH - 0	Indus	BPHC			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	N	Y		
BPHC - 1	Akui I	PHC			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	
PHC - 3	Kenety	PHC			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	
SC - 25	Dighalgram	PHC			Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	
Y : Yes	Indus	SC	540	Y	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	Y	Y	Y	
N : No	Dibakarpati	SC	541	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	Y	Y	Y
	Khosbag	SC	542	N	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	Y	Y	Y
	Ausnara	SC	543	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	Y	Y	Y
N	Roll	SC	544	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	Y	Y	Y
	Somsar	SC	545	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	Y	Y	Y
No Sharp Pit - SC is at RH / BPHC / PHC	Birasimul	SC	546	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	Y	Y	Y
	Kenety	SC	547	Y	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	Y	Y	Y
	Amrul	SC	548	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	Y	Y	Y
	Karisunda	SC	549	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	Y	Y	Y
	Gobindapur	SC	550	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	Y	Y	Y
	Behar	SC	551	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	Y	Y	Y
	Mongalpur	SC	552	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	Y	Y	Y
	Kushmuri	SC	553	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	Y	Y	Y
	Saspur	SC	554	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	Y	Y	Y
	Palasi	SC	555	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	Y	Y	Y
	Charigram	SC	556	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	Y	Y	Y
	Khatra	SC	557	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	Y	Y	Y
	Bahalapur	SC	558	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	Y	Y	Y
	Dighalgram	SC	559	Y	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	Y	Y	Y
	Kunjapur	SC	560	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	Y	Y	Y
	Akui	SC	561	Y	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	Y	Y	Y
	Mandra	SC	562	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	Y	Y	Y
	Kharshi	SC	563	Y	N	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	Y	Y	Y
	Salikona	SC	564	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	Y	Y	Y
	Total			18	4	4	4	15	4	4	4	4	4	4	4	29	25	4	4	4	4	4	4	4	4	29	25	29	

IV. Block Wise Waste Movement from Sub-Centres to RH/BPHC/PHC

A. Cut Syringes and Used Vials

Cut Syringes and Used Vials shall be taken (after decontamination with bleach solution) from the Sub-Centre to the concerned Vaccine Distribution Centre (VDC), where the VDC is situated at RH / BPHC / PHC, to be subjected to further sterilisation through autoclave / steriliser before sending for recycling.

Where the Sub-Centre operates at a Non-VDC PHC the Cut Syringes and Used Vials (after decontamination with bleach solution) shall be subjected to further sterilisation through autoclave / steriliser available at the respective PHC before sending for recycling.

Where the VDC is not situated at any RH / BPHC / PHC and the Sub-Centre does not operate at a Non-VDC PHC the Cut Syringes and Used Vials (after decontamination with bleach solution) shall be taken to the RH / BPHC / PHC most accessible from the Sub-Centre from time to time.

B. Cut Needles

Cut Needles from Sub-Centre (after decontamination with bleach solution) shall be disposed in the sharp pit at the Sub-Centre.

Where sharp pit is not available at the Sub-Centre the Cut Needles shall be disposed in the campus pit or sharp pit at the RH / BPHC / PHC / SC most accessible from the Sub-Centre.

C. Movement of cut syringes and used vials from Sub-Centres

Block	Sub-Centre Ref. No.	From Sub-Centre	To RH/BPHC/PHC	
Bankura I	1	Anchuri	Anchuri BPHC	
	2	Sanabandh	Anchuri BPHC	
	3	Kapista	Anchuri BPHC	
	4	Banshi	Helnasusunia PHC	
	5	Jagadalla	Helnasusunia PHC	
	6	Damodorpur	Helnasusunia PHC	
	7	Helnasusunia	Helnasusunia PHC	
	8	Kenjakura	Kenjakura PHC #	
	9	Tantkanali	Anchuri BPHC	
	10	Radhakantapur	Anchuri BPHC	
	11	Molebona	Anchuri BPHC	
	12	Sunukpahari	Helnasusunia PHC	
	13	Bhagabanpur	Helnasusunia PHC	
	14	Kumirdya	Helnasusunia PHC	
	15	Kankradihi	Helnasusunia PHC	
	16	Dhagaria	Helnasusunia PHC	
	# Non-VDC PHC	17	Chingra	Helnasusunia PHC
		18	Belia	Helnasusunia PHC
Bankura II	19	Kanchanpur	Kanchanpur BPHC	
	20	Tilabedia	Kanchanpur BPHC	
	21	Kheriosol	Kanchanpur BPHC	
	22	Bikna	Kanchanpur BPHC	
	23	Sendra	Kanchanpur BPHC	
	24	Kadmaghati	Kanchanpur BPHC	
	25	Kesiakole	Kanchanpur BPHC	
	26	Bhadul	Kanchanpur BPHC	
	27	Shyamadaspur	Kanchanpur BPHC	
	28	Sanbandha	Kanchanpur BPHC	
	29	Narrha	Narrah PHC	
	30	Pratappur	Narrah PHC	
	31	Belboni	Narrah PHC	
	32	Kostia	Narrah PHC	
	33	Maithagopinathpur	Narrah PHC	
	34	Mankanali	Mankanali PHC	
	35	Lodna	Mankanali PHC	
	36	Aulia	Mankanali PHC	
	37	Mogra	Mankanali PHC	
	38	Junbedia	Mankanali PHC	
	39	Salboni	Mankanali PHC	
	40	Harialgara	Mankanali PHC	
	41	Bankati	Mankanali PHC	
	Gangajal Ghati	42	Gobindadham	Amarkanan RH
43		Biharjuriya	Amarkanan RH	
44		Amarkanan	Amarkanan RH	
45		Kukrajore	Amarkanan RH	
46		Bhaktabandh	Amarkanan RH	
47		Ukhradihi	Amarkanan RH	
48		Gangajal Ghati	Gangajalghati PHC	
49		Kesiara	Amarkanan RH	

	50	Desuria	Gangajalghati PHC
	51	Lachhmanpur	Gangajalghati PHC
	52	Nadiha	Gangajalghati PHC
	53	Rajamela	Gangajalghati PHC
	54	Bon Asuria	Gangajalghati PHC
	55	Gopinathpur	Gangajalghati PHC
	56	Kustholia	Gangajalghati PHC
	57	Pirraboni	Ramharipur PHC
	58	Kantaboni	Ramharipur PHC
	59	Bhattapara	Ramharipur PHC
	60	Kapista	Amarkanana RH
	61	Salbedia	Ramharipur PHC
	62	Ramharipur	Ramharipur PHC
	63	Durlovpur	Srichandanpur PHC
	64	Amdanga	Srichandanpur PHC
	65	Latiaboni	Srichandanpur PHC
	66	Nityanandapur	Srichandanpur PHC
	67	Bakadaha	Srichandanpur PHC
	68	Sarangpur	Srichandanpur PHC
	69	Srichandrapur	Srichandanpur PHC
	70	Ghatakgram	Srichandanpur PHC
	71	Barsal	Srichandanpur PHC
Barjora	72	Barjora (E)	Barjora BPHC
	73	Barjora (W)	Barjora BPHC
	74	Bhairabpur	Barjora BPHC
	75	Paharpur	Barjora BPHC
	76	Chhotamana	Barjora BPHC
	77	Maliara (E)	Barjora BPHC
	78	Maliara (W)	Barjora BPHC
	79	Madhabpur	Barjora BPHC
	80	Napara	Barjora BPHC
	81	Ghutgaria	Barjora BPHC
	82	Pratappur	Barjora BPHC
	83	Kadasole	Barjora BPHC
	84	Baguli	Barjora BPHC
	85	Sarali	Barjora BPHC
	86	Kotalpukur	Barjora BPHC
	87	Hatashuria	Barjora BPHC
	88	Rajprasadpur	Pakhanna PHC
	89	Pakhanna	Pakhanna PHC
	90	Baramana	Barjora BPHC
	91	Tajpur	Pakhanna PHC
	92	Gardardihi	Godardihi PHC
	93	Dadhimukha	Godardihi PHC
	94	Jagannathpur	Godardihi PHC
	95	Saharjora	Barjora BPHC
	96	Shitla	Barjora BPHC
	97	Jambedia	Barjora BPHC
	98	Khandary	Barjora BPHC
	99	Beliatore (W)	Beliatore PHC
	100	Beliatore (E)	Beliatore PHC
	101	Dhabani	Beliatore PHC
	102	Phulberia	Beliatore PHC

	103	Chandar	Chhandar PHC
	104	Chandanpur	Chhandar PHC
	105	Barobendiya	Chhandar PHC
	106	Brindabanpur	Chhandar PHC
	107	Barkura	Chhandar PHC
Mejhia	108	Mejhia	Mejhia BPHC
	109	Gopalganj	Mejhia BPHC
	110	Dang Mejhia	Mejhia BPHC
	111	Ardhagram	Mejhia BPHC
	112	Bharakalibari	Mejhia BPHC
	113	Ghursra	Mejhia BPHC
	114	Pairasole	Pairasole PHC #
	115	Kansara	Mejhia BPHC
	116	Kendut	Mejhia BPHC
	117	Ramchandrapur	Ramchandrapur PHC #
	118	Nandanpur	Mejhia BPHC
	119	Ranipur	Mejhia BPHC
	120	Bharra	Mejhia BPHC
# Non-VDC PHC	121	Jongpur	Mejhia BPHC
	122	Jopamali	Mejhia BPHC
Saltora	123	Saltora	Saltora BPHC
	124	Subda	Saltora BPHC
	125	Shyampur	Saltora BPHC
	126	Bamuntore	Saltora BPHC
	127	Saburbandh	Saltora BPHC
	128	Balarampur	Saltora BPHC
	129	Tiluri	Saltora BPHC
	130	Ituri	Ituri PHC #
	131	Simladihi	Saltora BPHC
	132	Kanuri	Saltora BPHC
	133	Dhatala	Saltora BPHC
	134	Barkona	Saltora BPHC
	135	Gogra	Gogra PHC
	136	Natkamla	Gogra PHC
	137	Dekia	Saltora BPHC
	138	Ranjitpur	Saltora BPHC
	139	Chuaberia	Saltora BPHC
	140	Pabra	Saltora BPHC
	141	Salroha	Saltora BPHC
	142	Kantabaid	Saltora BPHC
	143	Kastora	Kastora PHC #
# Non-VDC PHC	144	Durlabpur	Saltora BPHC
	145	Majit	Saltora BPHC
Onda	146	Ramsagar	Ramsagar PHC
	147	Puncha	Ramsagar PHC
	148	Barui para	Ramsagar PHC
	149	Nischintipur	Ramsagar PHC
	150	Murakata	Santore PHC
	151	Onda	Onda BPHC
	152	Sadista	Onda BPHC
	153	Onda Gram	Onda BPHC

	154	Kumardanga	Onda BPHC
	155	Khamarberia	Ramsagar PHC
	156	Suklai	Ramsagar PHC
	157	Nabajibanpur	Ramsagar PHC
	158	Majdiha	Nikunjapur PHC
	159	Gamirdya	Nikunjapur PHC
	160	Santore	Santore PHC
	161	Baliara	Santore PHC
	162	Sahapur	Nikunjapur PHC
	163	Mankhamar	Santore PHC
	164	Punisole (E)	Ratanpur PHC
	165	Punisole (W)	Ratanpur PHC
	166	Upardanga	Ratanpur PHC
	167	Benazira	Ratanpur PHC
	168	Kalyani	Ratanpur PHC
	169	Hirapur	Ratanpur PHC
	170	Binodnagar	Ratanpur PHC
	171	Ratanpur	Ratanpur PHC
	172	Chotokurpa	Ratanpur PHC
	173	Bhulanpur	Ratanpur PHC
	174	Gopalpur	Ratanpur PHC
	175	Chowlabad	Onda BPHC
	176	Chingoni	Onda BPHC
	177	Nakaijuri	Nakaijuri PHC #
	178	Agaya	Onda BPHC
# Non-VDC PHC	179	Jadabnagar	Ramsagar PHC
	180	Purusattampur	Onda BPHC
Chhatna	181	Chhatna	Chhatna BPHC
	182	Laxinarayanpur	Chhatna BPHC
	183	Kamarkuli	Chhatna BPHC
	184	Dubrajpur	Chhatna BPHC
	185	Kharbona	Chhatna BPHC
	186	Dengakendh	Chhatna BPHC
	187	Ghosergram	Chhatna BPHC
	188	Susunia	Chhatna BPHC
	189	Parasibona	Chhatna BPHC
	190	Gidhurja	Chhatna BPHC
	191	Jhunjka	Jhantipahari PHC
	192	Desora	Jhantipahari PHC
	193	Ituri	Jhantipahari PHC
	194	Jhantipahari	Jhantipahari PHC
	195	Arrha	Jhantipahari PHC
	196	Murgabari	Jhantipahari PHC
	197	Kaminbedia	Jhantipahari PHC
	198	Jirra	Jorehira PHC
	199	Garrah	Jorehira PHC
	200	Jorehira	Jorehira PHC
	201	Jamtholi	Jorehira PHC
	202	Dhaban	Jorehira PHC
	203	Asurabad	Jorehira PHC
	204	Saldiha	Salchura PHC
	205	Chamtagora	Salchura PHC
	206	Bandardiha	Salchura PHC

	207	Salchura	Salchura PHC
	208	Jamtora	Salchura PHC
	209	Kamarpur	Salchura PHC
	210	Chinabari	Salchura PHC
	211	Metaliya	Bhaganpur PHC
	212	Budhanpur	Salchura PHC
	213	Kantapahari	Bhaganpur PHC
	214	Banpusra	Bhaganpur PHC
	215	Tisrakelay	Bhaganpur PHC
	216	Gholgoria	Bhaganpur PHC
Indpur	217	Banagram	Indpur BPHC
	218	Dubrajpur	Indpur BPHC
	219	Ahanda	Indpur BPHC
	220	Bramhandiha	Saldiha New PHC
	221	Natherdanga	Saldiha New PHC
	222	Fulkusma	Saldiha New PHC
	223	Saldiha	Saldiha New PHC
	224	Raghunathpur	Indpur BPHC
	225	Jorda	Indpur BPHC
	226	Sonardanga	Indpur BPHC
	227	Banshidihi	Indpur BPHC
	228	Dangarampur	Indpur BPHC
	229	Puara	Indpur BPHC
	230	Gobindapur	Indpur BPHC
	231	Kadamdeuli	Indpur BPHC
	232	Indpur	Indpur BPHC
	233	Purusottompur	Indpur BPHC
	234	Chakaltore	Indpur BPHC
	235	Bhatra	Indpur BPHC
	236	Kelaipathar	Indpur BPHC
	237	Gourbazar	Gunnath PHC
	238	Khirpay	Gunnath PHC
	239	Atbaichandi	Gunnath PHC
	240	Brajarajpur	Gunnath PHC
	241	Araldihi	Gunnath PHC
	242	Nayada	Gunnath PHC
	243	Gunnath	Gunnath PHC
Khatra*	244	Khatra	Khatra BPHC
	245	Shyampur	Khatra BPHC
	246	Papra	Khatra BPHC
	247	Bantila	Khatra BPHC
	248	Tantulchita	Khatra BPHC
	249	Darsole	Khatra BPHC
	250	Jhariakocha	Khatra BPHC
	251	Gorabari	Khatra BPHC
	252	Kadambera	Khatra BPHC
	253	Radhamohanpur	Khatra BPHC
	254	Supur	Khatra BPHC
	255	Dharamouli	Khatra BPHC
	256	Muragram	Khatra BPHC
	257	Badyanathpur	Khatra BPHC
	258	Nagri	Khatra BPHC

# Non-VDC PHC	259	Kesia	Khatra BPHC	
	260	Simla	Simla PHC #	
	261	Sindurpeti	Khatra BPHC	
	262	Dhanara	Khatra BPHC	
	263	Kashipur	Khatra BPHC	
	264	Dahala	Khatra BPHC	
	265	Dharagram	Khatra BPHC	
	266	Beniabandh	Beniabandh PHC #	
	267	Sikrabandh	Khatra BPHC	
# Non-VDC PHC	Hirbandh	268	Hirbandh	Amjhuri BPHC
		269	Jhantipukur	Amjhuri BPHC
		270	Bhuniakana	Amjhuri BPHC
		271	Musleha	Amjhuri BPHC
		272	Baharamuri	Amjhuri BPHC
		273	Hatirampur	Amjhuri BPHC
		274	Muhujore	Amjhuri BPHC
		275	Dighi	Amjhuri BPHC
		276	Molian	Molian PHC #
		277	Ranga	Amjhuri BPHC
		278	Bramhandanga	Amjhuri BPHC
		279	Gopalpur	Amjhuri BPHC
		280	Saluipahari	Amjhuri BPHC
		281	Teilabaid	Amjhuri BPHC
		282	Mosiara	Mosiara PHC #
			283	Amjuri
	284	Simlabandh	Amjhuri BPHC	
	285	Massanjhar	Amjhuri BPHC	
# Non-VDC PHC	Ranibandh	286	Ranibandh	Ranibandh BPHC
		287	G-Haludkanali	Ranibandh BPHC
		288	Mithan	Ranibandh BPHC
		289	Ledapakar	Ranibandh BPHC
		290	Birkham	Ranibandh BPHC
		291	Akkhuta	Ranibandh BPHC
		292	Deuli	Ranibandh BPHC
		293	Haludkanali	Haludkanali PHC
		294	Tungcharo	Haludkanali PHC/Ranibandh BPHC
		295	Puranpani	Ranibandh BPHC
		296	Ambikanagar	Ranibandh BPHC
		297	Ladda	Ranibandh BPHC
		298	Dabri (new)	Ranibandh BPHC
		299	Dhanara	Ranibandh BPHC
		300	Bonpukuria	Ranibandh BPHC
		301	Rudra	Ranibandh BPHC
		302	Komo (new)	Ranibandh BPHC
		303	Bethuala	Ranibandh BPHC
		304	Barikul	Barikul PHC #
		305	Dhankura	Ranibandh BPHC
		306	Chandapathar	Ranibandh BPHC
		307	Majgeria	Ranibandh BPHC
		308	Jhilimili	Ranibandh BPHC
309	Khejuria	Ranibandh BPHC		
	310	Muchikata	Ranibandh BPHC	

	311	Madhabpur (Shyamadi)	Ranibandh BPHC
Taldangra	312	Taldangra	Taldangra RH
	313	Pakurdiha	Taldangra RH
	314	Dalangora	Taldangra RH
	315	Bibarda	Bibarda PHC
	316	Jugda	Harmasra PHC
	317	Bhutama	Bibarda PHC
	318	Bhedua	Taldangra RH
	319	Porardanga	Harmasra PHC
	320	Kelati	Bibarda PHC
	321	Beldangra	Bibarda PHC
	322	Harmasra	Harmasra PHC
	323	Jarka	Harmasra PHC
	324	Khichka	Harmasra PHC
	325	Fulmoti	Taldangra RH
	326	Chakshyampur	Taldangra RH
	327	Joypur	Joypur PHC
	328	Panchmura	Joypur PHC
	329	Sidabad/Radhanagar	Joypur PHC
	330	Methana	Amdangra PHC
	331	Dhodanga Village	Amdangra PHC
	332	Dhodanga/Paridhi	Amdangra PHC
	333	Saltora	Amdangra PHC
	334	Koniari	Amdangra PHC
	335	Amdangra	Amdangra PHC
	336	Giridharipur	Amdangra PHC
	337	Kharkhari	Amdangra PHC
Simlapal	338	Simlapal	Simlapal BPHC
	339	Krishnapur	Simlapal BPHC
	340	Mukundapur	Simlapal BPHC
	341	Machatora	Simlapal BPHC
	342	Parilia	Simlapal BPHC
	343	Bhutsahar	Simlapal BPHC
	344	Arrha	Arrha PHC #
	345	Boricha	Simlapal BPHC
	346	Lakshmisagar	Lakshmisagar PHC
	347	Harinayaguri	Simlapal BPHC
	348	Bonkata	Simlapal BPHC
	349	Parshala	Lakshmisagar PHC
	350	Pukhuria	Lakshmisagar PHC
	351	Mamra	Lakshmisagar PHC
	352	Hatibari	Hatibari PHC
	353	Putiadaha	Hatibari PHC
	354	Paipal	Simlapal BPHC
	355	Bikrampur	Simlapal BPHC
	356	Hetagara	Simlapal BPHC
# Non-VDC PHC	357	Kalabati	Hatibari PHC
	358	Jorisha	Simlapal BPHC
Raipur	359	Raipur	Raipur RH
	360	Raipur Bazar	Raipur RH
	361	Dubnala	Raipur RH

	362	Asurgaria (U)	Raipur RH
	363	Raipur Sabujbazar	Raipur RH
	364	Motgoda Village	Motgoda PHC
	365	Jamsole	Raipur RH
	366	Motgoda GP	Motgoda PHC
	367	Anara	Raipur RH
	368	Shyamsundarpur	Motgoda PHC
	369	Jarka	Motgoda PHC
	370	Dudhya	Motgoda PHC
	371	Mondalkuli	Motgoda PHC
	372	Dangrasai	Motgoda PHC
	373	Demusnia	Motgoda PHC
	374	Dhangaam	Motgoda PHC
	375	Sonagara	Raipur RH
	376	Fulkusma	Fulkushma PHC
	377	Hatkata	Fulkushma PHC
	378	Raspal	Fulkushma PHC
	379	Melara	Fulkushma PHC
	380	Moulasole/Sirsa	Fulkushma PHC
	381	Gosda	Fulkushma PHC
	382	Lurka	Fulkushma PHC
	383	Pairaguri	Raipur RH
	384	Birudi	Raipur RH
	385	Keshya	Raipur RH
	386	Posda	Fulkushma PHC
	387	Dheko	Fulkushma PHC
	388	Boxi	Fulkushma PHC
	389	Dumurtore	Dumurtore PHC
	390	Lowpara	Raipur RH
	391	Panchakola	Raipur RH
Sarenga	392	Krishnapur	Sarenga BPHC
	393	Jamboni	Sarenga BPHC
	394	Moukura	Sarenga BPHC
	395	Chiltore	Sarenga BPHC
	396	Dandi	Sarenga BPHC
	397	Banpur	Sarenga BPHC
	398	Sarenga	Sarenga BPHC
	399	Fulbera	Sarenga BPHC
	400	Sarulia	Sarenga BPHC
	401	Telejat	Sarenga BPHC
	402	Sukhadali	Sarenga BPHC
	403	Chingra	Sarenga BPHC
	404	Baragadra	Sarenga BPHC
	405	Bikrampur	Sarenga BPHC
	406	Taldiha	Sarenga BPHC
	407	Baispathra	Sarenga BPHC
	408	P-Deuli	Sarenga BPHC
Kotulpur	409	Kotulpur SC	Kotulpur BPHC
	410	Siromonipur	Kotulpur BPHC
	411	North Kotulpur	Kotulpur BPHC
	412	Khiri	Kotulpur BPHC
	413	Mirzapur	Mirzapur PHC #

# Non-VDC PHC	414	Raibaghini	Kotulpur BPHC
	415	Jhenia	Kotulpur BPHC
	416	Madanmohanpur	Kotulpur BPHC
	417	Khundanga	Kotulpur BPHC
	418	Baidanga	Kotulpur BPHC
	419	Madhuban	Kotulpur BPHC
	420	Lowgram	Lowgram PHC #
	421	Dashere	Kotulpur BPHC
	422	Lowgram Village	Kotulpur BPHC
	423	Sihās	Kotulpur BPHC
	424	Deshra	Deshra PHC #
	425	Deshra Village	Kotulpur BPHC
	426	Tajpur	Kotulpur BPHC
	427	Banmukha	Kotulpur BPHC
	428	Sihar	Sihar PHC
	429	Jibtha	Sihar PHC
	430	Lalbazar	Sihar PHC
	431	Seromonipur	Sihar PHC
	432	Gopinathpur	Gopinathpur PHC #
	433	Aswinkota	Kotulpur BPHC
434	Saniaraghunathpur	Kotulpur BPHC	
435	Boliarpur	Kotulpur BPHC	
436	Lego	Lego PHC #	
437	Balitha	Kotulpur BPHC	
438	Darapur	Kotulpur BPHC	
439	Chatra	Kotulpur BPHC	
Joypur	440	Joypur	Joypur BPHC
	441	Salda	Joypur BPHC
	442	Rajagram	Joypur BPHC
	443	Routkhanda	Joypur BPHC
	444	Ruisahar	Joypur BPHC
	445	Jujur	Joypur BPHC
	446	Prasadpur Pry.Sch	Joypur BPHC
	447	Shyamnagar	Joypur BPHC
	448	Belia	Joypur BPHC
	449	Hatia	Hatia PHC #
	450	Madhurpur	Joypur BPHC
	451	Bhagaldighi	Joypur BPHC
	452	Gelia	Joypur BPHC
	453	Lokepur	Joypur BPHC
	454	Ramchandrapur	Joypur BPHC
	455	Kuchiakole	Joypur BPHC
	456	Moynapur	Hijaldiha PHC #
	457	Asurali	Hijaldiha PHC #
	458	Hijaldiha	Hijaldiha PHC #
	459	Uttarbar PHC	Uttarbar PHC
460	Uttarbar	Uttarbar PHC	
461	Bankati	Uttarbar PHC	
462	Jagannathpur	Jagannathpur PHC #	
463	Angaria	Uttarbar PHC	
464	Kharikasuli	Uttarbar PHC	
Bishnupur	465	Radhanagar	Radhanagar BPHC

*To Nearest PHC	466	Kankila	Kankila PHC #
	467	Rokhesole	Radhanagar BPHC
	468	LayekbandhGP	Radhanagar BPHC
	469	Arjunpur	Radhanagar BPHC
	470	Bhora	Bhora PHC #
	471	Bendare	Radhanagar BPHC
	472	Ajodhya	Ajodhya PHC #
	473	Amral	Radhanagar BPHC
	474	Uliara	Radhanagar BPHC
	475	Beliara	Radhanagar BPHC
	476	Bishra	ACMOH Office Bisnupur*
	477	Dwarika	ACMOH Office Bisnupur*
	478	Gopalpur	ACMOH Office Bisnupur*
	479	Morar	ACMOH Office Bisnupur*
	480	Majuria	ACMOH Office Bisnupur*
	481	Dalaldanga	ACMOH Office Bisnupur*
	482	Bankadaha	ACMOH Office Bisnupur*
483	Peardoba	ACMOH Office Bisnupur*	
484	Fulboni	ACMOH Office Bisnupur*	
# Non-VDC PHC	485	Kharkata	ACMOH Office Bisnupur*
	486	Belsulia	ACMOH Office Bisnupur*
Sonamukhi	487	Rangamati	Dhulai PHC/Sonamukhi RH
	488	Dhipara	Dhulai PHC/Sonamukhi RH
	489	Dhulai	Dhulai PHC
	490	Bidyadharpur	Dhulai PHC
	491	Ruppal	Sonamukhi RH
	492	Radhamohanpur	Sonamukhi RH
	493	Bondalhati	Sonamukhi RH
	494	Jagmohanpur	Dhulai PHC/Sonamukhi RH
	495	Amritpara	Dhulai PHC
	496	Nabason	Sonamukhi RH
	497	Ranpur	Sonamukhi RH
	498	Kundupuskurini	Kundupuskurini PHC #
	499	N-Baracha	Sonamukhi RH
	500	Dhansimla	Sonamukhi RH
	501	Besia	Sonamukhi RH
	502	Manikbazar	Sonamukhi RH
	503	Natun Balarampur	Sonamukhi RH
	504	Panchal	Panchal PHC
	505	Icharia	Panchal PHC
	506	Kochdihi	Sonamukhi RH
507	Kalyanpur	Sonamukhi RH	
508	Rampur	Sonamukhi RH	
509	Rapatganj	Sonamukhi RH	
510	Pearberia	Sonamukhi RH	
# Non-VDC PHC	511	Majirdanga	Sonamukhi RH
	512	Simla	Sonamukhi RH
Patrasayer	513	Patrasayer (U)	Patrasayer (U) BPHC
	514	Patrasayer (D)	Patrasayer (U) BPHC
	515	Hatkrishnagar	Patrasayer (U) BPHC
	516	Kankardanga	Patrasayer (U) BPHC
	517	Narayanpur	Patrasayer (U) BPHC

	518	Ghoradanga	Patrasayer (U) BPHC
	519	Deulpara	Patrasayer (U) BPHC
	520	Hamirpur	Patrasayer (U) BPHC
	521	Khosaipur	Patrasayer (U) BPHC
	522	Nahala	Patrasayer (U) BPHC
	523	Belut	Patrasayer (U) BPHC
	524	Bijpur	Patrasayer (U) BPHC
	525	Kantadighi	Patrasayer (U) BPHC
	526	Betur	Patrasayer (U) BPHC
	527	Beiur	Patrasayer (U) BPHC
	528	Naldanga	Naldanga PHC #
	529	Bamira	Patrasayer (U) BPHC
	530	Balsi Purbapara	Balsi PHC
	531	Balsi	Balsi PHC
	532	Kabirchak	Balsi PHC
	533	Habpukur	Balsi PHC
	534	Jamkiri	Balsi PHC
	535	Baraban	Patrasayer (U) BPHC
	536	Kusadwip	Kushdwip PHC
	537	Sahapur	Kushdwip PHC
# Non-VDC PHC	538	Kakatia	Patrasayer (U) BPHC
	539	Birsingna	Patrasayer (U) BPHC
Indus	540	Indus	Indus BPHC
	541	Dibakarwati	Indus BPHC
	542	Khosbag	Indus BPHC
	543	Ausnara	Indus BPHC
	544	Roll	Indus BPHC
	545	Somsar	Indus BPHC
	546	Birasimul	Indus BPHC
	547	Kenety	Kenety PHC
	548	Amrul	Kenety PHC / Indus BPHC
	549	Karisunda	Indus BPHC
	550	Gobindapur	Indus BPHC
	551	Behar	Indus BPHC
	552	Mongalpur	Dighalgram PHC
	553	Kushmuri	Indus BPHC
	554	Saspur	Indus BPHC
	555	Palasi	Indus BPHC
	556	Charigram	Indus BPHC
	557	Khatra	Indus BPHC
	558	Bahalalpur	Dighalgram PHC
	559	Dighalgram	Dighalgram PHC
	560	Kunjapur	Dighalgram PHC
	561	Akui	Akui I PHC
	562	Mandra	Akui I PHC
	563	Kharshi	Akui I PHC
	564	Salikona	Dighalgram PHC

V. Training (Capacity Building)

A. Training objectives:

Successful implementation of the strategy action plan on health care waste management for basic health care system in rural West Bengal calls for empowering various target groups directly or indirectly associated with the implementation activities with appropriate knowledge, skill and attitude on health care waste management. The course structure and focus of training could vary depending on the background and function of each target group.

On completion of the course, participants will be in a position to:-

◆ *Knowledge*

Describe the sources, composition and characteristics of hospital wastes and the likely health hazards from improper management of hospital wastes.

Explain the techniques and practices for effective management of hospital waste, covering collection, segregation, minimisation, storage and handling, transportation, treatment and disposal of hospital waste.

Explain the socio-economic dimensions and legal requirements in the context of hospital waste.

◆ *Skill*

Initiate action for facilitating safe collection, treatment, transportation and disposal of hospital waste.

Evaluate and streamline hospital waste management practices and procedures.

Identify factors relevant for planning and implementing hospital waste management systems for a region.

◆ *Attitude*

Consistently promote safe practices and systematic approaches for the collection, storage and handling, segregation, transportation, treatment and disposal of hospital wastes.

B. Target Groups for Training on HCWM

The target groups for training on HCWM can be identified as follows:

Decision makers and Authorities involved with developing policies and look after implementation at the State level

Decision makers and Authorities involved with developing policies and look after implementation at the State level

Hospital administrators and other administrators at institutional level

Representatives and officials of Local Self Government agencies

Representatives and officials of Public Works and Public Health Engineering Departments

Medical Officers, Nursing Staff, Pharmacists, Lab Technicians, Health Assistants in charge of Sub-Centres

Workers associated with handling health care waste

Environmental Health professionals, NGOs

Manufacturers and vendors of health care waste management equipments, consumables and chemicals

C. Identifying Training Requirements:

- 1. Training should be construed as a part and enhancement of a continuous learning environment that makes it possible to muster necessary knowledge and put it into practice.**
- 2. Training (knowledge and skill) requirements for different kinds (levels) of jobs and the personnel assigned to respective jobs have to be ascertained [Training Need Assessment (TNA) Exercise].**
- 3. While ascertaining the training requirements future developmental needs are to be accounted for.**
- 4. Training lay out should include training delivery methods, facilitators, courseware (manual, games, slide presentation, film, IEC materials etc.).**
- 5. Training initiative should ensure alignment of HCU level activities with the overall objectives and requirements of the basic health care system-wide BMWM requirements.**
- 6. Training should identify areas for self-development: develop and implement tools for continuous self-improvement.**

D. Training Needs Assessment (TNA)

Training Needs Assessment Objectives

The reasons for doing training needs assessment is: -

- To determine whether any training is needed
- To determine the areas in which training is needed
- To determine the gap to be bridged
- To determine desired training outcomes
- To provide a basis of monitoring and evaluation

Training Need Assessment Methodology

1. Consultation with Deptt. of H&FW and officials in HCU on deficiency - in the BMW services and gap in their capabilities to take corrective measures.
2. Training Need Assessment Survey among HCU Officials
3. Experts Opinion on BMW Training Needs
4. Analyzing Target Group Specific Training Needs
5. Assessment of Institutional Capabilities to provide Training
6. Validation of Training Needs

Existing Training Delivery Framework and its use

1. What it is and how does it deliver?
2. Assessment of its capability to meet the training needs?
3. Identifying the initiatives necessary to institutionalise necessary training delivery
4. Planning training of trainers

E. District Personnel Training Requirement Table

Generic Job Categories → Training Items	Waste Manager [Level 1]	Waste Manager [Level 2]	HCWM Monitors (extnl)	Record Keeper [Level 1]	Record Keeper [Level 2]	Record Keeper [Level 3]	Waste Handler [Level 1]	Waste Handler [Level 2]	Waste Handler [Level 3]	Waste Handler [Level 4]	Waste Carrier [Level 1]	Waste Carrier [Level 2]
	1	2	3	4	5	6	7	8	9	10	11	12
BMW: What it is; Why & How to be managed	√	√	√	√	√	√	√	√	√	√	√	√
Regulations	√	√	√									
Categories of BMW	√	√	√	√	√	√	√	√	√	√		
Collection of BMW at BPHC & PHC	√	√	√				√	√	√		√	
Collection of BMW at SC & ORS	√	√	√							√		√
Use of PPE	√	√	√						√	√		
Display of IEC	√	√	√									
Communication with patients and patient parties	√	√	√				√	√	√	√		
Use of Needle Cutter and Safety Box for Sharps	√	√	√				√	√		√		
Use of Safety Container for Cut Syringes & Used Vials	√	√	√							√		
Transport from PHC to BPHC / CTF (optional)	√	√	√				√	√	√		√	
Transport from ORS to SC	√	√	√							√		√
Transport from SC to BPHC / CTF (optional)	√	√	√							√		√
Storage of infectious recyclables and compostables	√	√	√						√			
Storage of decontaminated and general recyclables	√	√	√						√			
Treatment with Autoclave / Common Steriliser	√	√	√						√			
Treatment with Chemical Disinfectant	√	√	√				√		√	√		
Treatment of liquid waste	√	√	√						√			
Procurement	√	√	√									
Monitoring & Evaluation	√	√	√									
Capacity Building Follow-up	√	√	√									

- Training Requirements of Bio-Medical Waste Management System for Rural Health Care in the District of Bankura comprising of RHs, BPHCs, PHCs, SCs and ORS Centres. This table has been developed to be representative of an average system. Job categories and associated training requirements in a particular area may be specified with reference to this lay out and may not be fully identical with those presented in this table.

Officials and Staff included in respective Generic Job Categories

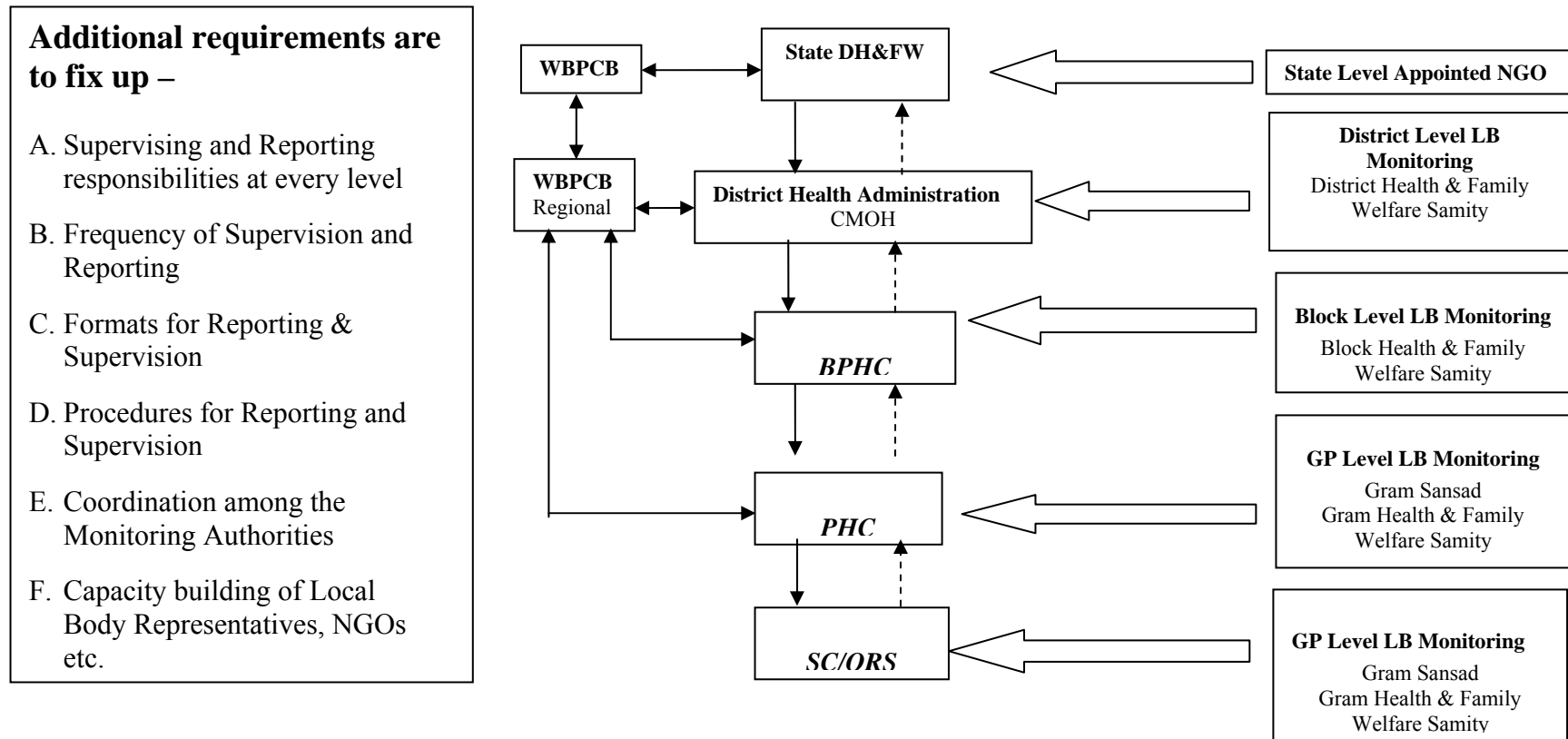
1. **Waste Manager [Level 1]:** Responsible for the overall Basic Health Care waste management at the State and District level.
[State level officials; CMOH and/or ACMOH in the District]
2. **Waste Manager [Level 2]:** Responsible for the overall Basic Health Care waste management at the HCU level.
[BMOH, MO in Charge and WMI, HA in Charge at SC]
3. **HCWM Monitors [External]:** Health and Family Welfare Society Members, Rogi Kalyan Samity Members, WBPCB
4. **Record Keeper [Level 1]:** Responsible for Record Keeping for BMWM at the District level.
[Responsible Clerk at CMOH Office]
5. **Record Keeper [Level 2]:** Responsible for Record Keeping for BMWM at the District level.
[Responsible Clerk at BMOH Office, WMI at RH, BPHC and PHC]
6. **Record Keeper [Level 3]:** Responsible for Record Keeping for BMWM at the SC level. [HA in Charge]
7. **Waste Handler [Level 1]:** Responsible for Primary Collection (treatment). [Doctors and Nurses attached to RHs, BPHCs and PHCs]
8. **Waste Handler [Level 2]:** Responsible for Primary Collection (Investigation & Medicine Distribution) [Lab Technicians and Pharmacists attached to BPHCs and PHCs]
9. **Waste Handler [Level 3]:** Responsible for Secondary Collection, Treatment and Disposal.
[Cleaning Staff and General Duty Attendants attached to BPHCs and PHCs, Autoclave or Common Steam Sterilizer Operator (Hospital staff or private operator)]
10. **Waste Handler [Level 4]:** Responsible for Primary Collection, Treatment and Disposal. [HA (female) in Charge of SCs and associated staff/volunteers - HA (male), Health Guide/Volunteer, Health Supervisor]
11. **Waste Carrier [Level 1]:** Transporter of waste from PHC to BPHC / CTF (optional) [Hospital staff or private operator]
12. **Waste Carrier [Level 2]:** Transporter of waste from ORS to SC and from SC to Hqr. SC and / or BPHC. [HA in Charge of SCs, other carriers like Linkman, Health Volunteer etc.]

VI. Monitoring safe disposal of Health Care Waste

A three-level monitoring system is suggested to ensure legal compliance, administrative surveillance and social watchdog action.

The principal monitors involved in the process are West Bengal Pollution Control Board (State & Regional Offices), Department of Health & Family Welfare West Bengal (State, District & Block level Health Administration) and the Joint Committees with Local Bodies (District Health & Family Welfare Samity, Block Health & Family Welfare Samity and Gram Health & Family Welfare Samity). NGOs to be engaged at various levels by the principal monitors.

Monitoring entails supervision and reporting – A system of supervision and reporting is to be developed with different tiers and monitoring authorities. The adjoining figure represents a suggested flow chart:



An appropriate system of monitoring has to be adopted involving all HCUs and CTFs in the service area with clear instructions regarding formats and frequencies of monitoring and reporting, responsibilities and authorities of concerned levels of the H&FW Department, Local Government and Regulating Bodies, etc.

A. Three Level Monitoring

WBPCB	<i>Statutory Authority to authorize and monitor bio-medical waste management</i>
H & FW Deptt.	Owner of HCUs. The onus of application for Authorisation and Reporting rests on HCU in-charge
Local Body with NGO	Major stakeholders. Panchayet as local government. Rogi Kalyan Samity as beneficiary body. NGO as civil society representative. H & FW Samity may function as a joint body of HCU, Local Govt. and NGO representatives.

B. Responsibilities of Health Care Waste Management Cell at the District Hqrs.

I. Review of Documents to be submitted by all RH, BPHC, PHC In-Charge:

1. Copy of Application for Authorisation
2. Copy of Annual Report
3. Monthly Report
4. Observations and recommendations of Task Force on BMWM
5. Observations and recommendations on BMWM of H & FW Samity

II. Regular Inspection: It is suggested that BMWM be made a part of the regular inspection of the HCU by District H&FW Departmental Authorities. While inspecting they should take up the following:

1. Nodal areas of BMWM noted in a prescribed format of inspection report
2. Issues detected through review of submitted documents and site visits

III. Special instructions and administrative steps as and when required:

1. Filling up vacancies
2. Sorting out bottlenecks
3. Ensuring compliance

C. Responsibilities of Panchayet (Local Government) and H&FW Samities*

1. At each level the Panchayet Bodies and H&FW Samities should make BMWM in the HCU's under their jurisdiction a regular agenda
2. They should function as Social Monitors
3. Bottlenecks, if any, should be reported to responsible higher authorities as and when necessary.

D. Responsibilities and Tools related to three level monitoring of BMWM at HCU level.

In-House Monitoring				Legal Monitoring		Civil Society Monitoring			
Super/BMOH/MOIC		BMWM In-Charge (WMI)		Task Force		WBPCB		H&FW Samity, NGO etc.	
Responsibility	Tools	Responsibility	Tools	Responsibility	Tools	Responsibility	Tools	Responsibility	Tools
Overall Charge / Apply for Authorisation / Annual Return Submission / Coordination among monitoring authorities and implementers	Administrative Steps / Occasional physical inspection / Inspection of registers & records	Daily Running / Trouble Shooting / Coordination / Maintain Stock Register & Records/ Necessary Reporting / Monthly Report	Daily inspection / Stock Register / BMWM Record Keeping	Policy Decisions / Supervision / Leading role in BMWM	Inspection / Monthly Meetings	Monitor Rules Compliance / Issue Authorisation / Accept Annual Returns / Issue Instructions / Report to CPCB	Inspection / Scrutinise authorization application & annual returns / Legal actions	Take stock of BMWM / Identify focal areas / Give directions / Help mobilize public awareness and participation	Monthly meeting / Inspection of BMWM including stock and records / Public Meetings & Campaign

*** Special attention is to be given to ensure Panchayet, H&FW Samity and NGO participation. This will call for Capacity Building of these participants. Adopting a suitable programme for capacity building is cardinal.**

Formats for Reporting & Supervision: Specimen formats for reporting and supervision are given in Annexure XV & Annexure XVI.

VII. Important Implementation Steps

5 important steps ensure success of system implementation

1. Sensitisation of district and block level administration:

To create proper implementation environment the key players of the Administration both at the District and Block levels shall have to be first sensitized through organized interaction (meetings) on the plan before implementation starts. The key players must be reasonably well aware of the necessity and objective of the plan and sufficiently motivated to implement it

2. Putting the system in place:

To create proper implementation environment the next necessary task is to ensure full placement of the system requirements at each of the identified institutions (RHs, BPHCs, PHCs and SCs). This means that before operationalising the system all its material (constructions, equipments, consumables) and human (waste managers, handlers, monitors and administrators) components shall have to be at the assigned place ready for operation.

3. Training of all related personnel:

To create proper implementation environment a capacity building exercise shall have to be undertaken. This exercise shall include various target groups directly or indirectly associated with the implementation activities and shall aim at building up their capacity with appropriate knowledge, skill and attitude necessary for health care waste management.

4. Activating the monitors:

Monitors play a key role to system implementation. They help detect weaknesses in both the system as such and its operation. Monitors (Heads of the institutions, Waste Management In-charges, BPHNs, Health Supervisors, Health and Family Welfare Samity Members – all have to be briefed regarding their respective monitoring assignment and the modes to accomplish that.

5. Test Running and adjustments:

The test of a system is in its running. Before full scale implementation it is advisable to test the system the system by running it in a smaller area, identify needs to upgrade and make necessary adjustments.

VIII. Cost of Implementation

A. Unit Costs for different categories of HCU

Cost of HCWM at different categories of HCUs at Basic Health Care Level

[With Autoclave at RH and BPHC and PHC]

(In Rupees)

One time cost with Annual expenses (for 1st year)

Facility	Civil Works	Equipment with running cost	Consumables	Training & Others	Total
RH	91000	229200	52940	20000	393140
BPHC	76000	229200	26045	17500	348545
PHC	71000	229200	16405	3000	319605
Sub-centers (a)	2500		6050	1500	10050
Sub-centers (b)			6050	1500	7550

Annual recurring expenses

Facility	Maintenance of Civil Works (5%)	Maintenance of Equipment with electricity	Consumables	Refresher Training & Others	Total
RH	4550	31200	35390	10000	81140
BPHC	3800	31200	17345	8750	61095
PHC	3550	31200	10145		44895
Sub-centers (a)	125		3700		3825
Sub-centers (b)			3700		3700

Sub-centers (a): with sharp pit; Sub-centers (b): without any scope for construction.

Cost of HCWM at different categories of HCUs at Basic Health Care Level

[With Steam Sterilizer at RH, BPHC and PHC]

(In Rupees)

One time cost with Annual expenses (for 1st year)

Facility	Civil Works	Equipment with running cost	Consumables	Training & Others	Total
RH	91000	23000	52940	20000	186940
BPHC	76000	23000	26045	17500	142545
PHC	71000	13500	16405	3000	103905
Sub-centers (a)	2500		6050	1500	10050
Sub-centers (b)			6050	1500	7550

Annual recurring expenses

Facility	Maintenance of Civil Works (5%)	Maintenance of Equipment with electricity	Consumables	Refresher Training & Others	Total
RH	4550	3000	35390	10000	52940
BPHC	3800	3000	17345	8750	32895
PHC	3550	1500	10145		15195
Sub-centers (a)	125		3700		3825
Sub-centers (b)			3700		3700

Sub-centers (a): with sharp pit; **Sub-centers (b):** without any scope for construction.

B. Consolidated Costs for each category of HCU

1. SPECIMEN CONSOLIDATED COSTS FOR IMPLEMENTATION – Cost Estimates for Implementation of HCWM with Steam Steriliser for RH of 50 Bedded Facility

(In Rupees)

Consumable Items (yearly)	Unit Cost	Number / Quantity	Total Cost
Yellow bag (22" X 12 ")	4.00	1460	5840.00
Syringe & Needle cutter**	2000.00	8	16000.00
Safety Box**	100.00	8	800.00
Yellow Bin with lid**(18"x 12")	150.00	6	900.00
Other Bins with lids**(20"x 14")	170.00	20	3400.00
Gloves	10.00	400	4000.00
Mask	15.00	150	2250.00
Gumboot	200.00	20	4000.00
Apron	100.00	10	1000.00
Trolley for internal transport**	3500.00	4	14000.00
Bleaching powder in kg	25.00	30	750.00
A. Total Consumables			52940.00

Construction	Total Cost
Trench* x 1	5000.00
Campus Pit* x 2	30000.00
Vat* x 2	14000.00
Storage x 1	7000.00
Waste Treatment Room	30000.00
Liquid Treatment Tank	5000.00
B. Total Construction	91000.00
Equipment	
Steam Sterilizer (Rs. 20000) & Electricity	23000.00
C. Total Equipment	23000.00
Training and Others	
Training Rs. 250 X 60	15000.00
Compliance Cost (BCC)	5000.00
D. Total Trg & Others***	20000.00

* Cost of Campus Pit and Trench may be excluded if already constructed in RH.

** 50 % replacement cost for following years *** 50% for refresher training and others on following years

2. SPECIMEN CONSOLIDATED COSTS FOR IMPLEMENTATION –
Cost Estimates for Implementation of HCWM with Steam Steriliser
for BPHC of 30 Bedded Facility
(In Rupees)

Consumable Items (yearly)	Unit Cost	Number / Quantity	Total Cost
Yellow bag (22" X 12 ")	4.00	730	2920.00
Syringe & Needle cutter*	2000.00	4	8000.00
Safety Box*	100.00	4	400.00
Yellow Bin with lid*(18" x 12")	150.00	2	300.00
Other Bins with lids*(20"x 14")	170.00	10	1700.00
Gloves	10.00	150	1500.00
Mask	15.00	75	1125.00
Gumboot	200.00	10	2000.00
Apron	100.00	6	600.00
Trolley for internal transport*	3500.00	2	7000.00
Bleaching powder in kg	25.00	20	500.00
A. Total Consumables			26045.00

Construction	Total Cost
Trench x 1	5000.00
Campus Pit x 1	15000.00
Vat x 2	14000.00
Storage x 1	7000.00
Waste Treatment Room	30000.00
Liquid Treatment Tank	5000.00
B. Total Construction	76000.00
Equipment	
Steam Sterilizer (Rs. 20000) & Electricity	23000.00
C. Total Equipment	23000.00
Training and Others	
Training Rs. 250 X 50	12500.00
Compliance Cost (BCC)	5000.00
C. Total Trg. & Others**	17500.00

* 50 % replacement cost for following years ** 50% for refresher training and others on following years

3. SPECIMEN CONSOLIDATED COSTS FOR IMPLEMENTATION –
Cost Estimates for Implementation of HCWM with Steam Steriliser
for PHC of 10 Bedded Facility
(In Rupees)

Consumable Items (yearly)	Unit Cost	Number / Quantity	Total Cost
Yellow bag (22" X 12 ")	4.00	365	1460.00
Syringe & Needle cutter*	2000.00	2	4000.00
Safety Box*	100.00	2	200.00
Yellow Bin with lid*(18'' x 12'')	150.00	2	300.00
Other Bins with lids*(20''x 14'')	170.00	6	1020.00
Gloves	10.00	60	600.00
Mask	15.00	30	450.00
Gumboot	200.00	4	800.00
Apron	100.00	2	200.00
Trolley for internal transport*	3500.00	2	7000.00
Bleaching powder in kg	25.00	15	375.00
A. Total Consumables			16405.00

Construction	Total Cost
Trench x 1	5000.00
Campus Pit x 1	15000.00
Vat x 2	14000.00
Storage x 1	7000.00
Waste Treatment Room	25000.00
Liquid Treatment Tank	5000.00
B. Total Construction	71000.00
Equipment	
Steam Sterilizer (Rs. 12000) & Electricity	13500.00
C. Total Equipment	13500.00
Others	
Compliance Cost (BCC)	3000.00
D. Total Others	3000.00

50 % replacement cost for following years

**If Autoclave is installed at RHs, BPHCs and PHCs
Sterilizer Cost to be replaced by the following Cost**

(In Rupees)

One time cost with Annual expenses (for 1st year)

Items with Autoclave	Unit cost	Number / Quantity	Total Cost
Autoclave	200000.00	1	200000
Autoclavable Bag Yearly	6.00	800	4800
Jute Bag for Autoclave	5.00	400	2000
Electricity 730 Units	5.00		3650
Grease for autoclave in kgs	125.00	6	750
D. Total Autoclave			229200

Annual recurring expenses for following years

AMC for Autoclave	20000.00	1	20000.00
Autoclavable Bag Yearly	6.00	800	4800.00
Jute Bag for Autoclave	5.00	400	2000.00
Electricity 730 Units	5.00		3650.00
Grease for autoclave in kgs	125.00	6	750.00
D. Total Recurring			31200

* 50 % replacement cost for following years

4(a). SPECIMEN CONSOLIDATED COSTS FOR IMPLEMENTATION –
Cost Estimates for Implementation of HCWM
at a Sub-Centre (including ORS)
where sharp pit can be constructed and recyclables can be transported to
Vaccine Distribution Centres
(In Rupees)

Consumable Items (yearly)	Unit Cost	Number / Quantity	Total Cost
Syringe & Needle cutter*	2000.00	2	4000.00
Container*	150.00	2	300.00
Safety Box*	100.00	2	200.00
Kit Bag*	100.00	2	200.00
Glove	10.00	60	600.00
Mask	15.00	30	450.00
Apron	100.00	2	200.00
Bleaching powder in kgs	25.00	4	100.00
A. Total Consumables			6050.00

Construction	Total Cost
Sharp Pit	2500.00
B. Total Construction	2500.00

Others	
Compliance Cost (BCC)	1500.00
C. Total others	1500.00

* 50 % replacement cost for following years

4(b). SPECIMEN CONSOLIDATED COSTS FOR IMPLEMENTATION –

Cost Estimates for Implementation of HCWM

at a Sub-Centre (including ORS)

where any construction cannot be done and all waste have to be transported to

Vaccine Distribution Centres

(In Rupees)

Consumable Items (yearly)	Unit Cost	Number / Quantity	Total Cost
Syringe & Needle cutter*	2000.00	2	4000.00
Container*	150.00	2	300.00
Safety Box*	100.00	2	200.00
Kit Bag*	100.00	2	200.00
Glove	10.00	60	600.00
Mask	15.00	30	450.00
Apron	100.00	2	200.00
Bleaching powder in kgs	25.00	4	100.00
A. Total Consumables			6050.00

Others	
Compliance Cost (BCC)	1500.00
C. Total others	1500.00

50 % replacement cost for following years

C. District Cost

Estimated Cost (in Rs) of HCWM in different categories of HCUs in Bankura District with Autoclave Facility in RHs, BPHCs and PHCs					
Categories of HCUs	No of HCUs	Unit cost for Installation with Annual Expense for 1st year	Total cost for Installation with Annual Expense for 1st year	Unit cost for Annual Recurring Expense	Total cost for Annual Recurring Expense
RHs*	5	393140	1965700	81140	405700
BPHCs	17	348545	5925265	61095	1038615
PHCs	70	319605	22372350	44895	3142650
Sub Centres with Sharp Pit	320	10050	3216000	3825	1224000
Sub Centres without Sharp Pit	244	7550	1842200	3700	902800
			35321515		6713765
Estimated Cost (in Rs) of HCWM in different categories of HCUs in Bankura District with Steam Sterilizer Facility in RH, BPHC and PHC					
Categories of HCUs	No of HCUs	Unit cost for Installation with Annual Expense for 1st year	Total cost for Installation with Annual Expense for 1st year	Unit cost for Annual Recurring Expense	Total cost for Annual Recurring Expense
RHs*	5	186940	934700	52940	264700
BPHCs	17	142545	2423265	32895	559215
PHCs	70	103905	7273350	15195	1063650
Sub Centres with Sharp Pit	320	10050	3216000	3825	1224000
Sub Centres without Sharp Pit	244	7550	1842200	3700	902800
			15689515		4014365

* Average bed strength of Rural Hospitals has been taken as 50. These RHs have some idle autoclaves without digital recording facility. These may be used if so allowed by PCB and decided by the Health Department. In that case cost towards purchasing of steam sterilizer for RHs may be avoided.

** For ORS no extra cost will be required except little amount of Bleaching Powder to prepare bleach solution

D. Cost by Block

Block Bankura I

Estimated Cost (in Rs) of HCWM in different categories of HCUs with Autoclave Facility in RH, BPHC and PHC					
Categories of HCUs	No of HCUs	Unit cost for Installation with Annual Expense for 1st year	Total cost for Installation with Annual Expense for 1st year	Unit cost for Annual Recurring Expense	Total cost for Annual Recurring Expense
RHs*		393140	0	81140	0
BPHCs	1	348545	348545	61095	61095
PHCs	2	319605	639210	44895	89790
Sub Centres with Sharp Pit	11	10050	110550	3825	42075
Sub Centres without Sharp Pit	7	7550	52850	3700	25900
			1151155		218860
Estimated Cost (in Rs) of HCWM in different categories of HCUs with Steam Sterilizer Facility in RH, BPHC and PHC					
Categories of HCUs	No of HCUs	Unit cost for Installation with Annual Expense for 1st year	Total cost for Installation with Annual Expense for 1st year	Unit cost for Annual Recurring Expense	Total cost for Annual Recurring Expense
RHs*		186940	0	52940	0
BPHCs	1	142545	142545	32895	32895
PHCs	2	103905	207810	15195	30390
Sub Centres with Sharp Pit	11	10050	110550	3825	42075
Sub Centres without Sharp Pit	7	7550	52850	3700	25900
			513755		131260

* Average bed strength of Rural Hospitals has been taken as 50. These RHs have some idle autoclaves without digital recording facility. These may be used if so allowed by PCB and decided by the Health Department. In that case cost towards purchasing of steam sterilizer for RHs may be avoided.

** For ORS no extra cost will be required except little amount of Bleaching Powder to prepare bleach solution

**Block
Bankura II**

Estimated Cost (in Rs) of HCWM in different categories of HCUs with Autoclave Facility in RH, BPHC and PHC					
Categories of HCUs	No of HCUs	Unit cost for Installation with Annual Expense for 1st year	Total cost for Installation with Annual Expense for 1st year	Unit cost for Annual Recurring Expense	Total cost for Annual Recurring Expense
RHs*		393140	0	81140	0
BPHCs	1	348545	348545	61095	61095
PHCs	2	319605	639210	44895	89790
Sub Centres with Sharp Pit	13	10050	130650	3825	49725
Sub Centres without Sharp Pit	10	7550	75500	3700	37000
			1193905		237610
Estimated Cost (in Rs) of HCWM in different categories of HCUs with Steam Sterilizer Facility in RH, BPHC and PHC					
Categories of HCUs	No of HCUs	Unit cost for Installation with Annual Expense for 1st year	Total cost for Installation with Annual Expense for 1st year	Unit cost for Annual Recurring Expense	Total cost for Annual Recurring Expense
RHs*		186940	0	52940	0
BPHCs	1	142545	142545	32895	32895
PHCs	2	103905	207810	15195	30390
Sub Centres with Sharp Pit	13	10050	130650	3825	49725
Sub Centres without Sharp Pit	10	7550	75500	3700	37000
			556505		150010

* Average bed strength of Rural Hospitals has been taken as 50. These RHs have some idle autoclaves without digital recording facility. These may be used if so allowed by PCB and decided by the Health Department. In that case cost towards purchasing of steam sterilizer for RHs may be avoided.

** For ORS no extra cost will be required except little amount of Bleaching Powder to prepare bleach solution

**Block
Gangajal Ghati**

**Estimated Cost (in Rs) of HCWM in different categories of HCUs
with Autoclave Facility in
RH, BPHC and PHC**

Categories of HCUs	No of HCUs	Unit cost for Installation with Annual Expense for 1st year	Total cost for Installation with Annual Expense for 1st year	Unit cost for Annual Recurring Expense	Total cost for Annual Recurring Expense
RHs*	1	393140	393140	81140	81140
BPHCs		348545	0	61095	0
PHCs	3	319605	958815	44895	134685
Sub Centres with Sharp Pit	23	10050	231150	3825	87975
Sub Centres without Sharp Pit	7	7550	52850	3700	25900
			1635955		329700

**Estimated Cost (in Rs) of HCWM in different categories of HCUs
with Steam Sterilizer Facility in
RH, BPHC and PHC**

Categories of HCUs	No of HCUs	Unit cost for Installation with Annual Expense for 1st year	Total cost for Installation with Annual Expense for 1st year	Unit cost for Annual Recurring Expense	Total cost for Annual Recurring Expense
RHs*	1	186940	186940	52940	52940
BPHCs		142545	0	32895	0
PHCs	3	103905	311715	15195	45585
Sub Centres with Sharp Pit	23	10050	231150	3825	87975
Sub Centres without Sharp Pit	7	7550	52850	3700	25900
			782655		212400

* Average bed strength of Rural Hospitals has been taken as 50. These RHs have some idle autoclaves without digital recording facility. These may be used if so allowed by PCB and decided by the Health Department. In that case cost towards purchasing of steam sterilizer for RHs may be avoided.

** For ORS no extra cost will be required except little amount of Bleaching Powder to prepare bleach solution

**Block
Barjora**

**Estimated Cost (in Rs) of HCWM in different categories of HCUs
with Autoclave Facility in
RH, BPHC and PHC**

Categories of HCUs	No of HCUs	Unit cost for Installation with Annual Expense for 1st year	Total cost for Installation with Annual Expense for 1st year	Unit cost for Annual Recurring Expense	Total cost for Annual Recurring Expense
RHs*		393140	0	81140	0
BPHCs	1	348545	348545	61095	61095
PHCs	4	319605	1278420	44895	179580
Sub Centres with Sharp Pit	12	10050	120600	3825	45900
Sub Centres without Sharp Pit	24	7550	181200	3700	88800
			1928765		375375

**Estimated Cost (in Rs) of HCWM in different categories of HCUs
with Steam Sterilizer Facility in
RH, BPHC and PHC**

Categories of HCUs	No of HCUs	Unit cost for Installation with Annual Expense for 1st year	Total cost for Installation with Annual Expense for 1st year	Unit cost for Annual Recurring Expense	Total cost for Annual Recurring Expense
RHs*		186940	0	52940	0
BPHCs	1	142545	142545	32895	32895
PHCs	4	103905	415620	15195	60780
Sub Centres with Sharp Pit	12	10050	120600	3825	45900
Sub Centres without Sharp Pit	24	7550	181200	3700	88800
			859965		228375

* Average bed strength of Rural Hospitals has been taken as 50. These RHs have some idle autoclaves without digital recording facility. These may be used if so allowed by PCB and decided by the Health Department. In that case cost towards purchasing of steam sterilizer for RHs may be avoided.

** For ORS no extra cost will be required except little amount of Bleaching Powder to prepare bleach solution

**Block
Mejhia**

**Estimated Cost (in Rs) of HCWM in different categories of HCUs
with Autoclave Facility in
RH, BPHC and PHC**

Categories of HCUs	No of HCUs	Unit cost for Installation with Annual Expense for 1st year	Total cost for Installation with Annual Expense for 1st year	Unit cost for Annual Recurring Expense	Total cost for Annual Recurring Expense
RHs*		393140	0	81140	0
BPHCs	1	348545	348545	61095	61095
PHCs	2	319605	639210	44895	89790
Sub Centres with Sharp Pit	11	10050	110550	3825	42075
Sub Centres without Sharp Pit	4	7550	30200	3700	14800
			1128505		207760

**Estimated Cost (in Rs) of HCWM in different categories of HCUs
with Steam Sterilizer Facility in
RH, BPHC and PHC**

Categories of HCUs	No of HCUs	Unit cost for Installation with Annual Expense for 1st year	Total cost for Installation with Annual Expense for 1st year	Unit cost for Annual Recurring Expense	Total cost for Annual Recurring Expense
RHs*		186940	0	52940	0
BPHCs	1	142545	142545	32895	32895
PHCs	2	103905	207810	15195	30390
Sub Centres with Sharp Pit	11	10050	110550	3825	42075
Sub Centres without Sharp Pit	4	7550	30200	3700	14800
			491105		120160

* Average bed strength of Rural Hospitals has been taken as 50. These RHs have some idle autoclaves without digital recording facility. These may be used if so allowed by PCB and decided by the Health Department. In that case cost towards purchasing of steam sterilizer for RHs may be avoided.

** For ORS no extra cost will be required except little amount of Bleaching Powder to prepare bleach solution

**Block
Saltora**

**Estimated Cost (in Rs) of HCWM in different categories of HCUs
with Autoclave Facility in
RH, BPHC and PHC**

Categories of HCUs	No of HCUs	Unit cost for Installation with Annual Expense for 1st year	Total cost for Installation with Annual Expense for 1st year	Unit cost for Annual Recurring Expense	Total cost for Annual Recurring Expense
RHs*		393140	0	81140	0
BPHCs	1	348545	348545	61095	61095
PHCs	3	319605	958815	44895	134685
Sub Centres with Sharp Pit	16	10050	160800	3825	61200
Sub Centres without Sharp Pit	7	7550	52850	3700	25900
			1521010		282880

**Estimated Cost (in Rs) of HCWM in different categories of HCUs
with Steam Sterilizer Facility in
RH, BPHC and PHC**

Categories of HCUs	No of HCUs	Unit cost for Installation with Annual Expense for 1st year	Total cost for Installation with Annual Expense for 1st year	Unit cost for Annual Recurring Expense	Total cost for Annual Recurring Expense
RHs*		186940	0	52940	0
BPHCs	1	142545	142545	32895	32895
PHCs	3	103905	311715	15195	45585
Sub Centres with Sharp Pit	16	10050	160800	3825	61200
Sub Centres without Sharp Pit	7	7550	52850	3700	25900
			667910		165580

* Average bed strength of Rural Hospitals has been taken as 50. These RHs have some idle autoclaves without digital recording facility. These may be used if so allowed by PCB and decided by the Health Department. In that case cost towards purchasing of steam sterilizer for RHs may be avoided.

** For ORS no extra cost will be required except little amount of Bleaching Powder to prepare bleach solution

**Block
Onda**

**Estimated Cost (in Rs) of HCWM in different categories of HCUs
with Autoclave Facility in
RH, BPHC and PHC**

Categories of HCUs	No of HCUs	Unit cost for Installation with Annual Expense for 1st year	Total cost for Installation with Annual Expense for 1st year	Unit cost for Annual Recurring Expense	Total cost for Annual Recurring Expense
RHs*		393140	0	81140	0
BPHCs	1	348545	348545	61095	61095
PHCs	5	319605	1598025	44895	224475
Sub Centres with Sharp Pit	30	10050	301500	3825	114750
Sub Centres without Sharp Pit	5	7550	37750	3700	18500
			2285820		418820

**Estimated Cost (in Rs) of HCWM in different categories of HCUs
with Steam Sterilizer Facility in
RH, BPHC and PHC**

Categories of HCUs	No of HCUs	Unit cost for Installation with Annual Expense for 1st year	Total cost for Installation with Annual Expense for 1st year	Unit cost for Annual Recurring Expense	Total cost for Annual Recurring Expense
RHs*		186940	0	52940	0
BPHCs	1	142545	142545	32895	32895
PHCs	5	103905	519525	15195	75975
Sub Centres with Sharp Pit	30	10050	301500	3825	114750
Sub Centres without Sharp Pit	5	7550	37750	3700	18500
			1001320		242120

* Average bed strength of Rural Hospitals has been taken as 50. These RHs have some idle autoclaves without digital recording facility. These may be used if so allowed by PCB and decided by the Health Department. In that case cost towards purchasing of steam sterilizer for RHs may be avoided.

** For ORS no extra cost will be required except little amount of Bleaching Powder to prepare bleach solution

**Block
Chhatna**

Estimated Cost (in Rs) of HCWM in different categories of HCUs with Autoclave Facility in RH, BPHC and PHC					
Categories of HCUs	No of HCUs	Unit cost for Installation with Annual Expense for 1st year	Total cost for Installation with Annual Expense for 1st year	Unit cost for Annual Recurring Expense	Total cost for Annual Recurring Expense
RHs*		393140	0	81140	0
BPHCs	1	348545	348545	61095	61095
PHCs	4	319605	1278420	44895	179580
Sub Centres with Sharp Pit	20	10050	201000	3825	76500
Sub Centres without Sharp Pit	16	7550	120800	3700	59200
			1948765		376375
Estimated Cost (in Rs) of HCWM in different categories of HCUs with Steam Sterilizer Facility in RH, BPHC and PHC					
Categories of HCUs	No of HCUs	Unit cost for Installation with Annual Expense for 1st year	Total cost for Installation with Annual Expense for 1st year	Unit cost for Annual Recurring Expense	Total cost for Annual Recurring Expense
RHs*		186940	0	52940	0
BPHCs	1	142545	142545	32895	32895
PHCs	4	103905	415620	15195	60780
Sub Centres with Sharp Pit	20	10050	201000	3825	76500
Sub Centres without Sharp Pit	16	7550	120800	3700	59200
			879965		229375

* Average bed strength of Rural Hospitals has been taken as 50. These RHs have some idle autoclaves without digital recording facility. These may be used if so allowed by PCB and decided by the Health Department. In that case cost towards purchasing of steam sterilizer for RHs may be avoided.

** For ORS no extra cost will be required except little amount of Bleaching Powder to prepare bleach solution

**Block
Indpur**

**Estimated Cost (in Rs) of HCWM in different categories of HCUs
with Autoclave Facility in
RH, BPHC and PHC**

Categories of HCUs	No of HCUs	Unit cost for Installation with Annual Expense for 1st year	Total cost for Installation with Annual Expense for 1st year	Unit cost for Annual Recurring Expense	Total cost for Annual Recurring Expense
RHs*		393140	0	81140	0
BPHCs	1	348545	348545	61095	61095
PHCs	3	319605	958815	44895	134685
Sub Centres with Sharp Pit	12	10050	120600	3825	45900
Sub Centres without Sharp Pit	15	7550	113250	3700	55500
			1541210		297180

**Estimated Cost (in Rs) of HCWM in different categories of HCUs
with Steam Sterilizer Facility in
RH, BPHC and PHC**

Categories of HCUs	No of HCUs	Unit cost for Installation with Annual Expense for 1st year	Total cost for Installation with Annual Expense for 1st year	Unit cost for Annual Recurring Expense	Total cost for Annual Recurring Expense
RHs*		186940	0	52940	0
BPHCs	1	142545	142545	32895	32895
PHCs	3	103905	311715	15195	45585
Sub Centres with Sharp Pit	12	10050	120600	3825	45900
Sub Centres without Sharp Pit	15	7550	113250	3700	55500
			688110		179880

* Average bed strength of Rural Hospitals has been taken as 50. These RHs have some idle autoclaves without digital recording facility. These may be used if so allowed by PCB and decided by the Health Department. In that case cost towards purchasing of steam sterilizer for RHs may be avoided.

** For ORS no extra cost will be required except little amount of Bleaching Powder to prepare bleach solution

**Block
Khatra**

Estimated Cost (in Rs) of HCWM in different categories of HCUs with Autoclave Facility in RH, BPHC and PHC					
Categories of HCUs	No of HCUs	Unit cost for Installation with Annual Expense for 1st year	Total cost for Installation with Annual Expense for 1st year	Unit cost for Annual Recurring Expense	Total cost for Annual Recurring Expense
RHs*		393140	0	81140	0
BPHCs	1	348545	348545	61095	61095
PHCs	2	319605	639210	44895	89790
Sub Centres with Sharp Pit	10	10050	100500	3825	38250
Sub Centres without Sharp Pit	14	7550	105700	3700	51800
			1193955		240935
Estimated Cost (in Rs) of HCWM in different categories of HCUs with Steam Sterilizer Facility in RH, BPHC and PHC					
Categories of HCUs	No of HCUs	Unit cost for Installation with Annual Expense for 1st year	Total cost for Installation with Annual Expense for 1st year	Unit cost for Annual Recurring Expense	Total cost for Annual Recurring Expense
RHs*		186940	0	52940	0
BPHCs	1	142545	142545	32895	32895
PHCs	2	103905	207810	15195	30390
Sub Centres with Sharp Pit	10	10050	100500	3825	38250
Sub Centres without Sharp Pit	14	7550	105700	3700	51800
			556555		153335

* Average bed strength of Rural Hospitals has been taken as 50. These RHs have some idle autoclaves without digital recording facility. These may be used if so allowed by PCB and decided by the Health Department. In that case cost towards purchasing of steam sterilizer for RHs may be avoided.

** For ORS no extra cost will be required except little amount of Bleaching Powder to prepare bleach solution

**Block
Hirbandh**

Estimated Cost (in Rs) of HCWM in different categories of HCUs with Autoclave Facility in RH, BPHC and PHC					
Categories of HCUs	No of HCUs	Unit cost for Installation with Annual Expense for 1st year	Total cost for Installation with Annual Expense for 1st year	Unit cost for Annual Recurring Expense	Total cost for Annual Recurring Expense
RHs*		393140	0	81140	0
BPHCs	1	348545	348545	61095	61095
PHCs	2	319605	639210	44895	89790
Sub Centres with Sharp Pit	8	10050	80400	3825	30600
Sub Centres without Sharp Pit	10	7550	75500	3700	37000
			1143655		218485
Estimated Cost (in Rs) of HCWM in different categories of HCUs with Steam Sterilizer Facility in RH, BPHC and PHC					
Categories of HCUs	No of HCUs	Unit cost for Installation with Annual Expense for 1st year	Total cost for Installation with Annual Expense for 1st year	Unit cost for Annual Recurring Expense	Total cost for Annual Recurring Expense
RHs*		186940	0	52940	0
BPHCs	1	142545	142545	32895	32895
PHCs	2	103905	207810	15195	30390
Sub Centres with Sharp Pit	8	10050	80400	3825	30600
Sub Centres without Sharp Pit	10	7550	75500	3700	37000
			506255		130885

* Average bed strength of Rural Hospitals has been taken as 50. These RHs have some idle autoclaves without digital recording facility. These may be used if so allowed by PCB and decided by the Health Department. In that case cost towards purchasing of steam sterilizer for RHs may be avoided.

** For ORS no extra cost will be required except little amount of Bleaching Powder to prepare bleach solution

**Block
Ranibandh**

Estimated Cost (in Rs) of HCWM in different categories of HCUs with Autoclave Facility in RH, BPHC and PHC					
Categories of HCUs	No of HCUs	Unit cost for Installation with Annual Expense for 1st year	Total cost for Installation with Annual Expense for 1st year	Unit cost for Annual Recurring Expense	Total cost for Annual Recurring Expense
RHs*		393140	0	81140	0
BPHCs	1	348545	348545	61095	61095
PHCs	4	319605	1278420	44895	179580
Sub Centres with Sharp Pit	11	10050	110550	3825	42075
Sub Centres without Sharp Pit	15	7550	113250	3700	55500
			1850765		338250
Estimated Cost (in Rs) of HCWM in different categories of HCUs with Steam Sterilizer Facility in RH, BPHC and PHC					
Categories of HCUs	No of HCUs	Unit cost for Installation with Annual Expense for 1st year	Total cost for Installation with Annual Expense for 1st year	Unit cost for Annual Recurring Expense	Total cost for Annual Recurring Expense
RHs*		186940	0	52940	0
BPHCs	1	142545	142545	32895	32895
PHCs	4	103905	415620	15195	60780
Sub Centres with Sharp Pit	11	10050	110550	3825	42075
Sub Centres without Sharp Pit	15	7550	113250	3700	55500
			781965		191250

* Average bed strength of Rural Hospitals has been taken as 50. These RHs have some idle autoclaves without digital recording facility. These may be used if so allowed by PCB and decided by the Health Department. In that case cost towards purchasing of steam sterilizer for RHs may be avoided.

** For ORS no extra cost will be required except little amount of Bleaching Powder to prepare bleach solution

**Block
Taldangra**

Estimated Cost (in Rs) of HCWM in different categories of HCUs with Autoclave Facility in RH, BPHC and PHC					
Categories of HCUs	No of HCUs	Unit cost for Installation with Annual Expense for 1st year	Total cost for Installation with Annual Expense for 1st year	Unit cost for Annual Recurring Expense	Total cost for Annual Recurring Expense
RHs*	1	393140	393140	81140	81140
BPHCs		348545	0	61095	0
PHCs	4	319605	1278420	44895	179580
Sub Centres with Sharp Pit	16	10050	160800	3825	61200
Sub Centres without Sharp Pit	10	7550	75500	3700	37000
			1907860		358920
Estimated Cost (in Rs) of HCWM in different categories of HCUs with Steam Sterilizer Facility in RH, BPHC and PHC					
Categories of HCUs	No of HCUs	Unit cost for Installation with Annual Expense for 1st year	Total cost for Installation with Annual Expense for 1st year	Unit cost for Annual Recurring Expense	Total cost for Annual Recurring Expense
RHs*	1	186940	186940	52940	52940
BPHCs		142545	0	32895	0
PHCs	4	103905	415620	15195	60780
Sub Centres with Sharp Pit	16	10050	160800	3825	61200
Sub Centres without Sharp Pit	10	7550	75500	3700	37000
			838860		211920

* Average bed strength of Rural Hospitals has been taken as 50. These RHs have some idle autoclaves without digital recording facility. These may be used if so allowed by PCB and decided by the Health Department. In that case cost towards purchasing of steam sterilizer for RHs may be avoided.

** For ORS no extra cost will be required except little amount of Bleaching Powder to prepare bleach solution

**Block
Simlapal**

Estimated Cost (in Rs) of HCWM in different categories of HCUs with Autoclave Facility in RH, BPHC and PHC					
Categories of HCUs	No of HCUs	Unit cost for Installation with Annual Expense for 1st year	Total cost for Installation with Annual Expense for 1st year	Unit cost for Annual Recurring Expense	Total cost for Annual Recurring Expense
RHs*		393140	0	81140	0
BPHCs	1	348545	348545	61095	61095
PHCs	3	319605	958815	44895	134685
Sub Centres with Sharp Pit	16	10050	160800	3825	61200
Sub Centres without Sharp Pit	5	7550	37750	3700	18500
			1505910		275480
Estimated Cost (in Rs) of HCWM in different categories of HCUs with Steam Sterilizer Facility in RH, BPHC and PHC					
Categories of HCUs	No of HCUs	Unit cost for Installation with Annual Expense for 1st year	Total cost for Installation with Annual Expense for 1st year	Unit cost for Annual Recurring Expense	Total cost for Annual Recurring Expense
RHs*		186940	0	52940	0
BPHCs	1	142545	142545	32895	32895
PHCs	3	103905	311715	15195	45585
Sub Centres with Sharp Pit	16	10050	160800	3825	61200
Sub Centres without Sharp Pit	5	7550	37750	3700	18500
			652810		158180

* Average bed strength of Rural Hospitals has been taken as 50. These RHs have some idle autoclaves without digital recording facility. These may be used if so allowed by PCB and decided by the Health Department. In that case cost towards purchasing of steam sterilizer for RHs may be avoided.

** For ORS no extra cost will be required except little amount of Bleaching Powder to prepare bleach solution

**Block
Raipur**

Estimated Cost (in Rs) of HCWM in different categories of HCUs with Autoclave Facility in RH, BPHC and PHC					
Categories of HCUs	No of HCUs	Unit cost for Installation with Annual Expense for 1st year	Total cost for Installation with Annual Expense for 1st year	Unit cost for Annual Recurring Expense	Total cost for Annual Recurring Expense
RHs*	1	393140	393140	81140	81140
BPHCs		348545	0	61095	0
PHCs	3	319605	958815	44895	134685
Sub Centres with Sharp Pit	15	10050	150750	3825	57375
Sub Centres without Sharp Pit	18	7550	135900	3700	66600
			1638605		339800
Estimated Cost (in Rs) of HCWM in different categories of HCUs with Steam Sterilizer Facility in RH, BPHC and PHC					
Categories of HCUs	No of HCUs	Unit cost for Installation with Annual Expense for 1st year	Total cost for Installation with Annual Expense for 1st year	Unit cost for Annual Recurring Expense	Total cost for Annual Recurring Expense
RHs*	1	186940	186940	52940	52940
BPHCs		142545	0	32895	0
PHCs	3	103905	311715	15195	45585
Sub Centres with Sharp Pit	15	10050	150750	3825	57375
Sub Centres without Sharp Pit	18	7550	135900	3700	66600
			785305		222500

* Average bed strength of Rural Hospitals has been taken as 50. These RHs have some idle autoclaves without digital recording facility. These may be used if so allowed by PCB and decided by the Health Department. In that case cost towards purchasing of steam sterilizer for RHs may be avoided.

** For ORS no extra cost will be required except little amount of Bleaching Powder to prepare bleach solution

**Block
Sarenga**

Estimated Cost (in Rs) of HCWM in different categories of HCUs with Autoclave Facility in RH, BPHC and PHC					
Categories of HCUs	No of HCUs	Unit cost for Installation with Annual Expense for 1st year	Total cost for Installation with Annual Expense for 1st year	Unit cost for Annual Recurring Expense	Total cost for Annual Recurring Expense
RHs*		393140	0	81140	0
BPHCs	1	348545	348545	61095	61095
PHCs	1	319605	319605	44895	44895
Sub Centres with Sharp Pit	9	10050	90450	3825	34425
Sub Centres without Sharp Pit	8	7550	60400	3700	29600
			819000		170015
Estimated Cost (in Rs) of HCWM in different categories of HCUs with Steam Sterilizer Facility in RH, BPHC and PHC					
Categories of HCUs	No of HCUs	Unit cost for Installation with Annual Expense for 1st year	Total cost for Installation with Annual Expense for 1st year	Unit cost for Annual Recurring Expense	Total cost for Annual Recurring Expense
RHs*		186940	0	52940	0
BPHCs	1	142545	142545	32895	32895
PHCs	1	103905	103905	15195	15195
Sub Centres with Sharp Pit	9	10050	90450	3825	34425
Sub Centres without Sharp Pit	8	7550	60400	3700	29600
			397300		112115

* Average bed strength of Rural Hospitals has been taken as 50. These RHs have some idle autoclaves without digital recording facility. These may be used if so allowed by PCB and decided by the Health Department. In that case cost towards purchasing of steam sterilizer for RHs may be avoided.

** For ORS no extra cost will be required except little amount of Bleaching Powder to prepare bleach solution

**Block
Kotulpur**

Estimated Cost (in Rs) of HCWM in different categories of HCUs with Autoclave Facility in RH, BPHC and PHC					
Categories of HCUs	No of HCUs	Unit cost for Installation with Annual Expense for 1st year	Total cost for Installation with Annual Expense for 1st year	Unit cost for Annual Recurring Expense	Total cost for Annual Recurring Expense
RHs*	1	393140	393140	81140	81140
BPHCs		348545	0	61095	0
PHCs	6	319605	1917630	44895	269370
Sub Centres with Sharp Pit	11	10050	110550	3825	42075
Sub Centres without Sharp Pit	20	7550	151000	3700	74000
			2572320		466585
Estimated Cost (in Rs) of HCWM in different categories of HCUs with Steam Sterilizer Facility in RH, BPHC and PHC					
Categories of HCUs	No of HCUs	Unit cost for Installation with Annual Expense for 1st year	Total cost for Installation with Annual Expense for 1st year	Unit cost for Annual Recurring Expense	Total cost for Annual Recurring Expense
RHs*	1	186940	186940	52940	52940
BPHCs		142545	0	32895	0
PHCs	6	103905	623430	15195	91170
Sub Centres with Sharp Pit	11	10050	110550	3825	42075
Sub Centres without Sharp Pit	20	7550	151000	3700	74000
			1071920		260185

* Average bed strength of Rural Hospitals has been taken as 50. These RHs have some idle autoclaves without digital recording facility. These may be used if so allowed by PCB and decided by the Health Department. In that case cost towards purchasing of steam sterilizer for RHs may be avoided.

** For ORS no extra cost will be required except little amount of Bleaching Powder to prepare bleach solution

**Block
Joypur**

**Estimated Cost (in Rs) of HCWM in different categories of HCUs
with Autoclave Facility in
RH, BPHC and PHC**

Categories of HCUs	No of HCUs	Unit cost for Installation with Annual Expense for 1st year	Total cost for Installation with Annual Expense for 1st year	Unit cost for Annual Recurring Expense	Total cost for Annual Recurring Expense
RHs*		393140	0	81140	0
BPHCs	1	348545	348545	61095	61095
PHCs	4	319605	1278420	44895	179580
Sub Centres with Sharp Pit	20	10050	201000	3825	76500
Sub Centres without Sharp Pit	5	7550	37750	3700	18500
			1865715		335675

**Estimated Cost (in Rs) of HCWM in different categories of HCUs
with Steam Sterilizer Facility in
RH, BPHC and PHC**

Categories of HCUs	No of HCUs	Unit cost for Installation with Annual Expense for 1st year	Total cost for Installation with Annual Expense for 1st year	Unit cost for Annual Recurring Expense	Total cost for Annual Recurring Expense
RHs*		186940	0	52940	0
BPHCs	1	142545	142545	32895	32895
PHCs	4	103905	415620	15195	60780
Sub Centres with Sharp Pit	20	10050	201000	3825	76500
Sub Centres without Sharp Pit	5	7550	37750	3700	18500
			796915		188675

* Average bed strength of Rural Hospitals has been taken as 50. These RHs have some idle autoclaves without digital recording facility. These may be used if so allowed by PCB and decided by the Health Department. In that case cost towards purchasing of steam sterilizer for RHs may be avoided.

** For ORS no extra cost will be required except little amount of Bleaching Powder to prepare bleach solution

**Block
Bishnupur**

**Estimated Cost (in Rs) of HCWM in different categories of HCUs
with Autoclave Facility in
RH, BPHC and PHC**

Categories of HCUs	No of HCUs	Unit cost for Installation with Annual Expense for 1st year	Total cost for Installation with Annual Expense for 1st year	Unit cost for Annual Recurring Expense	Total cost for Annual Recurring Expense
RHs*		393140	0	81140	0
BPHCs	1	348545	348545	61095	61095
PHCs	3	319605	958815	44895	134685
Sub Centres with Sharp Pit	16	10050	160800	3825	61200
Sub Centres without Sharp Pit	6	7550	45300	3700	22200
			1513460		279180

**Estimated Cost (in Rs) of HCWM in different categories of HCUs
with Steam Sterilizer Facility in
RH, BPHC and PHC**

Categories of HCUs	No of HCUs	Unit cost for Installation with Annual Expense for 1st year	Total cost for Installation with Annual Expense for 1st year	Unit cost for Annual Recurring Expense	Total cost for Annual Recurring Expense
RHs*		186940	0	52940	0
BPHCs	1	142545	142545	32895	32895
PHCs	3	103905	311715	15195	45585
Sub Centres with Sharp Pit	16	10050	160800	3825	61200
Sub Centres without Sharp Pit	6	7550	45300	3700	22200
			660360		161880

* Average bed strength of Rural Hospitals has been taken as 50. These RHs have some idle autoclaves without digital recording facility. These may be used if so allowed by PCB and decided by the Health Department. In that case cost towards purchasing of steam sterilizer for RHs may be avoided.

** For ORS no extra cost will be required except little amount of Bleaching Powder to prepare bleach solution

**Block
Sonamukhi**

**Estimated Cost (in Rs) of HCWM in different categories of HCUs
with Autoclave Facility in
RH, BPHC and PHC**

Categories of HCUs	No of HCUs	Unit cost for Installation with Annual Expense for 1st year	Total cost for Installation with Annual Expense for 1st year	Unit cost for Annual Recurring Expense	Total cost for Annual Recurring Expense
RHs*	1	393140	393140	81140	81140
BPHCs		348545	0	61095	0
PHCs	4	319605	1278420	44895	179580
Sub Centres with Sharp Pit	15	10050	150750	3825	57375
Sub Centres without Sharp Pit	11	7550	83050	3700	40700
			1905360		358795

**Estimated Cost (in Rs) of HCWM in different categories of HCUs
with Steam Sterilizer Facility in
RH, BPHC and PHC**

Categories of HCUs	No of HCUs	Unit cost for Installation with Annual Expense for 1st year	Total cost for Installation with Annual Expense for 1st year	Unit cost for Annual Recurring Expense	Total cost for Annual Recurring Expense
RHs*	1	186940	186940	52940	52940
BPHCs		142545	0	32895	0
PHCs	4	103905	415620	15195	60780
Sub Centres with Sharp Pit	15	10050	150750	3825	57375
Sub Centres without Sharp Pit	11	7550	83050	3700	40700
			836360		211795

* Average bed strength of Rural Hospitals has been taken as 50. These RHs have some idle autoclaves without digital recording facility. These may be used if so allowed by PCB and decided by the Health Department. In that case cost towards purchasing of steam sterilizer for RHs may be avoided.

** For ORS no extra cost will be required except little amount of Bleaching Powder to prepare bleach solution

**Block
Patrasayer**

Estimated Cost (in Rs) of HCWM in different categories of HCUs with Autoclave Facility in RH, BPHC and PHC					
Categories of HCUs	No of HCUs	Unit cost for Installation with Annual Expense for 1st year	Total cost for Installation with Annual Expense for 1st year	Unit cost for Annual Recurring Expense	Total cost for Annual Recurring Expense
RHs*		393140	0	81140	0
BPHCs	1	348545	348545	61095	61095
PHCs	3	319605	958815	44895	134685
Sub Centres with Sharp Pit	10	10050	100500	3825	38250
Sub Centres without Sharp Pit	17	7550	128350	3700	62900
			1536210		296930
Estimated Cost (in Rs) of HCWM in different categories of HCUs with Steam Sterilizer Facility in RH, BPHC and PHC					
Categories of HCUs	No of HCUs	Unit cost for Installation with Annual Expense for 1st year	Total cost for Installation with Annual Expense for 1st year	Unit cost for Annual Recurring Expense	Total cost for Annual Recurring Expense
RHs*		186940	0	52940	0
BPHCs	1	142545	142545	32895	32895
PHCs	3	103905	311715	15195	45585
Sub Centres with Sharp Pit	10	10050	100500	3825	38250
Sub Centres without Sharp Pit	17	7550	128350	3700	62900
			683110		179630

* Average bed strength of Rural Hospitals has been taken as 50. These RHs have some idle autoclaves without digital recording facility. These may be used if so allowed by PCB and decided by the Health Department. In that case cost towards purchasing of steam sterilizer for RHs may be avoided.

** For ORS no extra cost will be required except little amount of Bleaching Powder to prepare bleach solution

**Block
Indus**

Estimated Cost (in Rs) of HCWM in different categories of HCUs with Autoclave Facility in RH, BPHC and PHC					
Categories of HCUs	No of HCUs	Unit cost for Installation with Annual Expense for 1st year	Total cost for Installation with Annual Expense for 1st year	Unit cost for Annual Recurring Expense	Total cost for Annual Recurring Expense
RHs*		393140	0	81140	0
BPHCs	1	348545	348545	61095	61095
PHCs	3	319605	958815	44895	134685
Sub Centres with Sharp Pit	15	10050	150750	3825	57375
Sub Centres without Sharp Pit	10	7550	75500	3700	37000
			1533610		290155
Estimated Cost (in Rs) of HCWM in different categories of HCUs with Steam Sterilizer Facility in RH, BPHC and PHC					
Categories of HCUs	No of HCUs	Unit cost for Installation with Annual Expense for 1st year	Total cost for Installation with Annual Expense for 1st year	Unit cost for Annual Recurring Expense	Total cost for Annual Recurring Expense
RHs*		186940	0	52940	0
BPHCs	1	142545	142545	32895	32895
PHCs	3	103905	311715	15195	45585
Sub Centres with Sharp Pit	15	10050	150750	3825	57375
Sub Centres without Sharp Pit	10	7550	75500	3700	37000
			680510		172855

* Average bed strength of Rural Hospitals has been taken as 50. These RHs have some idle autoclaves without digital recording facility. These may be used if so allowed by PCB and decided by the Health Department. In that case cost towards purchasing of steam sterilizer for RHs may be avoided.

** For ORS no extra cost will be required except little amount of Bleaching Powder to prepare bleach solution

Annexure

Annexure – I

DUTY OF OCCUPIER [Rule 4 of BMW Rules 1998]:

It shall be the duty of every occupier of an institution generating bio-medical waste which includes a hospital, nursing home, clinic, dispensary, veterinary institution, animal house, pathological laboratory, blood bank by whatever name called to take all steps to ensure that such waste is handled without any adverse effect to human health and the environment.

Annexure – II

AUTHORISATION [Rule 8 of BMW Rules 1998]:

(1) Every occupier of an institution generating, collecting, receiving, storing, transporting, treating, disposing and/or handling bio-medical waste in any other manner, except such occupier of clinics, dispensaries, pathological laboratories, blood banks providing treatment/service to less than 1000 (one thousand) patients per month, shall make an application in Form 1 to the prescribed authority for grant of authorisation.

(2) Every operator of a bio-medical waste facility shall make an application in Form 1 to the prescribed authority for grant of authorisation.

(3) Every application in Form 1 for grant of authorisation shall be accompanied by a fee as may be prescribed by the Government of the State or Union Territory.

Annexure – III

ANNUAL REPORT [Rule 10 of BMW Rules 1998]:

Every occupier/operator shall submit an annual report to the prescribed authority in Form 11 by 31 January every year, to include information about the categories and quantities of bio-medical wastes handled during the preceding year. The prescribed authority shall send this information in a compiled form to the Central Pollution Control Board by 31 March every year.

Annexure – IV

ACCIDENT REPORTING [Rule 12 of BMW Rules 1998]:

When any accident occurs at any institution or facility or any other site where bio-medical waste is handled or during transportation of such waste, the authorised person shall report the accident in Form III to the prescribed authority forthwith.

Annexure – V
SCHEDULE II of BMW Rules 1998
 (see Rule 6)
**COLOUR CODING AND TYPE OF CONTAINER FOR DISPOSAL OF
 BIO-MEDICAL WASTES**

Colour Coding	Type of Container -I Waste Category	Treatment options as per Schedule I
Yellow	Plastic bag Cat. 1, Cat. 2, and Cat. 3, Cat. 6.	Incineration/deep burial
Red	Disinfected container/plastic bag Cat. 3, Cat. 6, Cat.7.	Autoclaving/Microwaving/ Chemical Treatment
Blue/White translucent	Plastic bag/puncture proof Cat. 4, Cat. 7. Container	Autoclaving/Microwaving/ Chemical Treatment and destruction/shredding
Black	Plastic bag Cat. 5 and Cat. 9 and Cat. 10.(solid)	Disposal in secured landfill

Notes:

1. Colour coding of waste categories with multiple treatment options as defined in Schedule I, shall be selected depending on treatment option chosen, which shall be as specified in Schedule I.
2. Waste collection bags for waste types needing incineration shall not be made of chlorinated plastics.
3. Categories 8 and 10 (liquid) do not require containers/bags.
4. Category 3 if disinfected locally need not be put in containers/bags.

Annexure – VI
SCHEDULE III of BMW Rules 1998
 (see Rule 6)
LABEL FOR BIO-MEDICAL WASTE CONTAINERS/BAGS



Annexure – VII

SEGREGATION, PACKAGING, TRANSPORTATION AND STORAGE [Rule 6 of BMW Rules 1998]:

- (1) Bio-medical waste shall not be mixed with other wastes.
- (2) Bio-medical waste shall be segregated into containers/bags at the point of generation in accordance with Schedule II prior to its storage, transportation, treatment and disposal. The containers shall be labeled according to Schedule III [Annexure – VI].
- (3) If a container is transported from the premises where bio-medical waste is generated to any waste treatment facility outside the premises, the container shall, apart from the label prescribed in Schedule III, also carry information prescribed in Schedule IV [Annexure – IX].
- (4) Notwithstanding anything contained in the Motor Vehicles Act, 1988, or rules thereunder, untreated biomedical waste shall be transported only in such vehicle as may be authorised for the purpose by the competent authority as specified by the government.
- (5) No untreated bio-medical waste shall be kept stored beyond a period of 48 hours

Provided that if for any reason it becomes necessary to store the waste beyond such period, the authorised person must take permission of the prescribed authority and take measures to ensure that the waste does not adversely affect human health and the environment.

Annexure – VIII
SCHEDULE IV of BMW Rules 1998
(see Rule 6)

LABEL FOR TRANSPORT OF BIO-MEDICAL WASTE CONTAINERS/BAGS

Day Month Year

Date of generation

Waste category No

Waste class

Waste description

Sender's Name & Address

Phone No

Telex No

Fax No

Contact Person

Receiver's Name & Address

Phone No

Telex No

Fax No

Contact Person

In case of emergency please contact

Name & Address :

Phone No.

Note :

Label shall be non-washable and prominently visible.

Annexure – IX
SCHEDULE I of BMW Rules 1998
(See Rule 5)
CATEGORIES OF BIO-MEDICAL WASTE

Waste Category		Option for Treatment & Disposal
1	Human Anatomical Waste	incineration@ / deep burial*
2	Animal Waste	incineration@ / deep burial*
3	Microbiology & Biotechnology Waste	local autoclaving / microwaving / incineration@
4	Waste sharps	disinfection (chemical treatment)@@ / autoclaving / micro waving and mutilation / shredding
5	Discarded Medicines and Cytotoxic drugs	incineration@/destruction and drugs disposal in secured landfills
6	Soiled Waste	incineration@ / autoclaving/microwaving
7	Solid Waste	disinfection by chemical treatment@@ autoclaving/microwaving and mutilation / shredding##
8	Liquid Waste	disinfection by chemical treatment@@ and discharge into drain
9	Incineration Ash	disposal in municipal landfill
10	Chemical Waste	chemical treatment@@ and discharge into drains for liquids and secured landfill for solids

@@ Chemicals treatment using at least 1% hypochlorite solution or any other equivalent chemical reagent. It must be ensured that chemical treatment ensures disinfection.

Mutilation/shredding must be such so as to prevent unauthorised reuse.

@ There will be no chemical pretreatment before incineration. Chlorinated plastics shall not be incinerated.

* Deep burial shall be an option available only in towns with population less than five lakhs and in rural areas.

Annexure – X
SCHEDULE V of BMW Rules 1998
(see Rule 5 and Schedule 1)

STANDARDS FOR TREATMENT AND DISPOSAL OF BIO-MEDICAL WASTES

STANDARDS FOR INCINERATORS:

All incinerators shall meet the following operating and emission standards

A. Operating Standards

1. Combustion efficiency (CE) shall be at least 99.00%.

2. The Combustion efficiency is computed as follows:

$$\text{C.E.} = \frac{\% \text{CO}_2}{\% \text{CO}_2 + \% \text{CO}} \times 100$$

3. The temperature of the primary chamber shall be 800 ± 50 deg. C°.

4. The secondary chamber gas residence time shall be at least I (one) second at 1050 ± 50 C°, with minimum 3% Oxygen in the stack gas.

B. Emission Standards

Parameters	Concentration mg/Nm ³ at (12% CO ₂ correction)
(1) Particulate matter	150
(2) Nitrogen Oxides	450
(3) HCl	50
(4) Minimum stack height shall be 30 metres above ground	
(5) Volatile organic compounds in ash shall not be more than 0.01%	

Note :

- Suitably designed pollution control devices should be installed/retrofitted with the incinerator to achieve the above emission limits, if necessary.
- Wastes to be incinerated shall not be chemically treated with any chlorinated disinfectants.
- Chlorinated plastics shall not be incinerated.
- Toxic metals in incineration ash shall be limited within the regulatory quantities as defined under the Hazardous Waste (Management and Handling Rules,) 1989.
- Only low sulphur fuel like L.D.0dLS.H.S.1Diesel shall be used as fuel in the incinerator.

STANDARDS FOR WASTE AUTOCLAVING:

The autoclave should be dedicated for the purposes of disinfecting and treating bio-medical waste,

(I) When operating a gravity flow autoclave, medical waste shall be subjected to :

- (i) a temperature of not less than 121 C' and pressure of 15 pounds per square inch (psi) for an autoclave residence time of not less than 60 minutes; or
- (ii) a temperature of not less than 135 C° and a pressure of 31 psi for an autoclave residence time of not less than 45 minutes; or
- (iii) a temperature of not less than 149 C° and a pressure of 52 psi for an autoclave residence time of not less than 30 minutes.

(II) When operating a vacuum autoclave, medical waste shall be subjected to a minimum of one pre-vacuum pulse to purge the autoclave of all air. The waste shall be subjected to the following:

- (i) a temperature of not less than 121 C° and pressure of 15 psi per an autoclave residence time of not less than 45 minutes; or
- (ii) a temperature of not less than 135 C° and a pressure of 31 psi for an autoclave residence time of not less than 30 minutes;

(III) Medical waste shall not be considered properly treated unless the time, temperature and pressure indicators indicate that the required time, temperature and pressure were reached during the autoclave process. If for any reasons, time temperature or pressure indicator indicates that the required temperature, pressure or residence time was not reached, the entire load of medical waste must be autoclaved again until the proper temperature, pressure and residence time were achieved.

(IV) Recording of operational parameters

Each autoclave shall have graphic or computer recording devices which will automatically and continuously monitor and record dates, time of day, load identification number and operating parameters throughout the entire length of the autoclave cycle.

(V) Validation test

Spore testing :

The autoclave should completely and consistently kill the approved biological indicator at the maximum design capacity of each autoclave unit. Biological indicator for autoclave shall be *Bacillus stearothermophilus* spores using vials or spore Strips; with at least 1×10^4 spores per millilitre. Under no circumstances will an autoclave have minimum operating parameters less than a residence time of 30 minutes, regardless of temperature and pressure, a temperature less than 121 C° or a pressure less than 15 psi.

(VI) Routine Test

A chemical indicator strip/tape that changes colour when a certain temperature is reached can be used to verify that a specific temperature has been achieved. It may be necessary to use more than one strip over the waste package at different locations to ensure that the inner content of the package has been adequately autoclaved.

STANDARD FOR LIQUID WASTE:

The effluent generated from the hospital should conform to the following limits

PARAMETERS	PERMISSIBLE LIMITS
PH	6.5-9.0
Suspended solids	100 mg/l
Oil and grease	10 mg/l
BOD	30 mg/l
COD	250 mg/l
Bio-assay test	90% survival of fish after 96 hours in 100% effluent.

These limits are applicable to those hospitals which are either connected with sewers without terminal sewage treatment plant or not connected to public sewers. For discharge into public sewers with terminal facilities, the general standards as notified under the Environment (Protection) Act, 1986 shall be applicable.

STANDARDS OF MICROWAVING:

1. Microwave treatment shall not be used for cytotoxic, hazardous or radioactive wastes, contaminated animal carcasses, body parts and large metal items.
2. The microwave system shall comply with the efficacy test/routine tests and a performance guarantee may be provided by the supplier before operation of the unit.
3. The microwave should completely and consistently kill the bacteria and other pathogenic organisms that is ensured by approved biological indicator at the maximum design capacity of each microwave unit. Biological indicators for microwave shall be *Bacillus Subtilis* spores using vials or spore strips with at least 1×10^8 spores per milliliter.

STANDARDS FOR DEEP BURIAL:

1. A pit or trench should be dug about 2 meters deep. It should be half filled with waste, then covered with lime within 50 cm of the surface, before filling the rest of the pit with soil.
2. It must be ensured that animals do not have any access to burial sites. Covers of galvanised iron/wire meshes may be used.
3. On each occasion, when wastes are added to the pit, a layer of 10 cm of soil shall be added to cover the wastes.

4. Burial must be performed under close and dedicated supervision.
5. The deep burial site should be relatively impermeable and no shallow well should be close to the site.
6. The pits should be distant from habitation, and sited so as to ensure that no contamination occurs of any surface water or ground water. The area should not be prone to flooding or erosion.
7. The location of the deep burial site will be authorised by the prescribed authority.
8. The institution shall maintain a record of all pits for deep burial.

Annexure – XI

MAINTENANCE OF RECORDS

[Rule 11 of BMW Rules 1998]:

- (1) Every authorised person shall maintain records related to the generation, collection, reception, storage, transportation, treatment, disposal and/or any form of handling of bio-medical waste in accordance with these rules and any guidelines issued.
- (2) All records shall be subject to inspection and verification by the prescribed authority at any time.

Annexure – XII

FORM I
(see rule 8 of BMW Rules 1998)
APPLICATION FOR AUTHORISATION
(To be submitted in duplicate.)

To

The Prescribed Authority (West Bengal Pollution Control Board)
Address.

1. Particulars of Applicant

- (i) Name of the Applicant
(In block letters & in full)
- (ii) Name of the Institution:
Address:
Tele No., Fax No. Telex No.

2. Activity for which authorisation is sought:

- (i) Generation
- (ii) Collection
- (iii) Reception
- (iv) Storage
- (v) Transportation
- (vi) Treatment
- (vii) Disposal
- (viii) Any other form of handling

**3. Please state whether applying for fresh authorisation or for renewal:
(In case of renewal previous authorisation-number and date)**

4. (i) Address of the institution handling bio-medical wastes:

(ii) Address of the place of the treatment facility:

(iii) Address of the place of disposal of the waste:

5. (i) Mode of transportation (in any) of bio-medical waste:

(ii) Mode(s) of treatment:

6. Brief description of method of treatment and disposal (attach details):

7. (i) Category (see Schedule 1) of waste to be handled

(ii) Quantity of waste (category-wise) to be handled per month

8. Declaration

I do hereby declare that the statements made and information given above are true to the best of my knowledge and belief and that I have not concealed any information.

I do also hereby undertake to provide any further information sought by the prescribed authority in relation to these rules and to fulfill any conditions stipulated by the prescribed authority.

Date : Signature of the Applicant

Place : Designation of the Applicant

Annexure – XIII

FORM II (see rule 10 of BMW Rules 1998) ANNUAL REPORT

(To be submitted to the prescribed authority by 31 January every year).

1 . Particulars of the applicant:

(i) Name of the authorised person (occupier/operator):

(ii) Name of the institution:

Address

Tel. No

Telex No.

Fax No.

2. Categories of waste generated and quantity on a monthly average basis:

3. Brief details of the treatment facility:

In case of off-site facility:

(i) Name of the operator

(ii) Name and address of the facility:

Tel. No., Telex No., Fax No.

4. Category-wise quantity of waste treated:
5. Mode of treatment with details:
6. Any other information:
7. Certified that the above report is for the period from

Date Signature

Place.....
 Designation.....

Annexure – XIV
FORM III
 (see Rule 12 of BMW Rules 1998)
ACCIDENT REPORTING

1. Date and time of accident:
2. Sequence of events leading to accident
3. The waste involved in accident :
4. Assessment of the effects of the accidents on human health and the environment,.
5. Emergency measures taken
6. Steps taken to alleviate the effects of accidents
7. Steps taken to prevent the recurrence of such an accident

Date Signature

Place..... Designation.....

Annexure – XV
Specimen Format for Record Keeping
 [Rule 11 of BMW Rules 1998]

Keeping records of generation, collection, reception, storage, transportations, treatment, disposal and/or any form of handling of bio-medical waste constitute an integral part of compliance to the BMW Rules 1998. It is also an important tool for assessment and monitoring of the system. A specimen format for record keeping is given below:-

Name of the HCU:

Date:

Bio-Medical Waste Category	Generation	Collection	Transportations	Storage	Treatment	Disposal in Sharp Pit	Disposal in Campus Pit	Disposal in Trench	Stored for Recycling
Sharps									
Soiled									
Solid									
Anatomical									
Total									
Authorised Signature by Person Responsible	WMI*	WMI &/Or Operator**	WMI &/Or Operator**	WMI &/Or Operator**	WMI &/Or Operator**	WMI &/Or Operator**	WMI &/Or Operator**	WMI &/Or Operator**	WMI &/Or Operator**

*WMI: Waste Management In-Charge. ** In case a private operator is employed for the job.

Notes

In case of CTF “Collection” will include all BMW coming in for treatment.
There should be arrangement for weighing Bio-Medical Waste at every nodal operational point.
The Records should be kept open and available for inspection by WBPCB.

Annexure – XVI

Specimen Check List for Monitoring of BMWM in RH, BPHC, PHC, SC and ORS

1. Training of Personnel – Whether the concerned personnel have been trained?

HCU	No. & Category of employees handling waste	Persons Trained	Percentage
	Doctors		
	Lab Technician		
	Pharmacist		
	Nurses		
	Cleaning Staff		
	Autoclave Operator		

2. Supply of Provisions – Whether provisions have been supplied?

Items	Date of last Supply	Stock position	Date of last requisition

3. Segregation – Whether the following segregation of waste at source takes place? [Tik & Cross]

BMW				General	
Anatomical	Sharp	Soiled	Solid	Recyclable	Others

4. Sharp Disposal – Whether sharp disposal is done properly?

Needle cut with the hub	Chemically disinfected	Transported in puncture proof Safety Box	Disposed in Sharp Pit / Campus Pit

5. Transportation – Whether BMW transported properly?

Sharps in Puncture proof Safety Box	*Cut Syringe, Used Vials in Carrying Container	*Kit Bag for Safety Box and Carrying Container	Anatomical Waste in Closed Bag	Covered Trolley for in-house transportation	**Covered Vehicle

* For ORS and Sub-Centre ** Where BMW is to be transported from the HCU to CTF.

6. Treatment – Whether treatment of soiled and solid BMW is done?

Items	Autoclave	Microwave	Common Steam Steriliser	Chemical Disinfection
Solid				
Soiled				

7. Disposal – How BMW is disposed of?

BMW	Whether Sterilised	Burial / Campus Pit	Trench	Undesignated Place	Recycling
Anatomical	X				
Soiled					
Solid					

13. Whether any Waste Management Committee / Task Force is in place?

Yes No

If yes frequency of its meeting:

14. Monitoring Arrangement

Whether Monthly Reports for BMWM are

(a) regularly prepared Yes No

(b) and if yes, sent to District Authorities ?
Yes No

15. Monitoring Arrangement

Whether Annual Reports for BMWM are regularly sent to -

WBPCB Yes No

District Authority Yes No

Annexure – XVII

Mercury Waste Management

Although specifically not mentioned in any category of waste in the BMW Rules, mercury waste is often generated in health care units due to breakage of mercury instruments like mercury thermometer, sphygmomanometer etc. and spills occur. Mercury is potentially very hazardous for human health and environment.

Reduction / Replacement

Any safe procedure for disposal of mercury is yet unknown. Hence reduction / replacement of mercury containing instruments is the best way out. Procurement policy should be adopted to replace all mercury instruments by electronic and other kind of instruments.

In the event of any mercury spillage due to breakage of instrument the following measures are to be taken: -

Do's

Remove people and pets from the spill area.

Close all interior doors to the spill area.

Turn off heating and air conditioning systems.

Air out the room. Open all exterior windows and doors. Use fans if they ventilate to the outside.

Dont's

Do not touch the mercury. Never vacuum; it will release mercury vapor into the air.

Never use a broom; it will break up the mercury.

Never pour mercury down the drain.

Never walk around in contaminated clothing or shoes.

Never put mercury-contaminated items in the washing machine.

Clean-up Instructions - Spill Management

1. Remove all jewelry, mercury will bind with the metal.
2. Put on rubber or latex gloves.
3. Pour sulphur powder over the spillage area to prevent mercury vaporization before clean up.
4. Pick up broken glass carefully; wrap in a paper towel, and place in a glass container with 5 to 10 ml of water.
5. Use a regular syringe for sucking the mercury droplets. Left out small beads are to be gathered with two cardboards and then scooped.
6. Place in water in the glass container.
7. Locate any remaining mercury with the flashlight; the beads will reflect the light making them easier to see. Pick up any remaining beads and place in water in the glass container.
8. Seal the glass container and label as "mercury waste" and place in a safe corner.
9. Place all materials used in the clean up, including gloves, in a trash bag.
10. Seal the trash bag with tape and label as "mercury waste".
11. Wash the area with mercury neutralizing agents like 20% calcium sulphide or sodium thiosulphate solution.
12. Wash your hands, face, and any other areas of your body exposed to the mercury.
13. Keep the room ventilated for a minimum of 48 hours.

Annexure – XVIII

INFORMATION-EDUCATION-COMMUNICATION STRATEGY

Objectives of IEC Strategy: Information, Education and Communication is a process that informs, motivates and helps people to adopt and maintain healthy practices and life skills. It aims at empowering individuals and enabling them to make correct decisions about safe health care waste management practices. IEC also attempts to create an environment which is conducive and supports access to equipments and processes necessary for safe and sustainable management of health care waste.

If communication has to be effective it must be in the local language and idiom, keeping in mind social norms, cultural beliefs and sensitivities of the community. Above all communication programmes must give space for interaction, clarifying doubts and addressing misgivings on the issues of the needs, tasks, responsibilities, coordination and achievements.

Components of IEC Strategy: The IEC strategic plan for safe and sustainable management of health care waste for basic health care should include a variety of communication strategies for raising awareness, behavioural change and social mobilization. The IEC strategic plan has the following components:

- ***Use of Mass Media*** – Using the local press and other mass communication media like songs and plays together with reading and display materials like booklets, posters and stickers.
- ***Advocacy at various levels*** – Sensitising both health care workers and persons in other sectors/organisations like Panchayet, Govt. Administrations, Educational Institutions, Rogi Kalyan Samity (Patient Welfare Association), Health and Family Welfare Samity, NGOs, local clubs etc.
- ***Inter-Sectoral collaboration*** – Promoting effective collaboration among various sectors like Government, Panchayet, NGOs etc.
- ***Training*** – Capacity building of all persons involved in management of health care waste through special training programmes [See **Step 9: Capacity Building (Training)**]
- ***Involvement of NGOs*** – Involving NGOs at different levels and in different jobs to further the cause of safe and sustainable management of health care waste.
- ***Research*** - Adopting a process of continuous upgradation of IEC strategy through observation, analysis, reconstitution and application.

Annexure – XIX

A Note on Recycling

A baseline survey conducted to assess the scope and prospect of recycling the general and decontaminated recyclable waste generated in the rural health care system of the District of Bankura yielded the following findings:

- A.** Permanent shops dealing in recyclable waste are available in the District Town and other 14 Block Towns
- B.** All the Block Towns have rag pickers and itinerant traders who deal in recyclable waste.
- C.** The recyclable waste is sent to recycling units in Kolkata / Burdwan / West Medinipur.
- D.** Asked if it is possible for them to collect recyclable waste from RH / BPHC / PHC all the local recyclable shop keepers answered in the affirmative
- E.** The average rate for health care waste recyclables that the local recyclable shop keepers were willing to pay were as in the following:

Sl. No.	Item	Approximate sale price per Kg. (Rs.)
1	Plastic Syringe	12.00
2	Plastic Saline Bottle	12.00
3	Plastic Tubes	5.00
4	Plastic Vials	10.00
5	Glass Vials	1.00
6	Paper Discards	3.00
7	Carton	2.80

IV. Approximate income generation per month through sale of recyclable discards in each category of HCU

Item	Rate	Generation from RHs / month		Generation from BPHCs / month		Generation from PHCs / month		Generation from SC & ORS / month	
		Qty. (kg)	Income	Qty. (kg)	Income	Qty. (kg)	Income	Qty. (kg)	Income
Plastic Syringe	12.00	21	252	15	180	6	72	1.6	19.20
Plastic Saline Bottle	12.00	45	540	27	324	9	108	x	
Plastic Tubes	5.00	12	60	7.2	36	2.4	12	x	
Plastic Vials	10.00	4.5	45	2.7	27	.9	9	.070	0.70
Glass Vials	1.00	24	24	14.4	14.40	4.8	4.80	.720	.70
Paper Discards	3.00	6	18	3.6	10.80	1.5	4.50	x	
Carton	2.80	30	84	22.5	63	9	25.20	x	
Total Income per month by HCU			1023		655*		235*		21*

* Rounded Off

V. Approximate income generation per month through sale of recyclable discards in all HCUs

HCU	Number	Income / Month / HCU	Total Income / Month / Category of HCU
RH	5	1023	5115
BPHC	17	655	11135
PHC	70	236	16520
SC	564	21	11844
Total Income from Recyclable Waste / Month			44614

Approximate quantity of waste generation:

RH / Day : 70 Syringes (wt. 10 gms / syringe), 50 Saline Bottles (wt. 30 gms / bottle), 20 Tubes (wt. 20 gms / tube), 50 Plastic Vials (wt. 3gms / vial), 20 Glass Vials (wt. 40 gms / vial), Paper Discards 200 gms, Carton 1 kg

BPHC / Day : 50 Syringes, 30 Saline Bottles, 12 Tubes, 30 Plastic Vials, 12 Glass Vials, Paper Discards 120 gms., Carton 750 gms

PHC / Day : 20 syringes, 10 Saline Bottles, 4 Tubes, 10 Plastic Vials, 4 Glass Vials, Paper Discards 50 gms, Carton 300 gms,

SC & ORS / Immunization Day : 160 Syringes, 24 Plastic Vials, 8 Glass Vials + 2 Glass Bottles *for* * (4+4) = 8 Sessions / Month

Annexure – XX

A Note on Private Initiatives

The Department of Health and Family Welfare, Government of West Bengal has elaborate guidelines regarding engagement of private entrepreneurs for public services. Already some private entrepreneurs are working in the bio-medical waste management sector in West Bengal.

Experiences earned from these practices in West Bengal and similar ones elsewhere should be utilized to identify appropriate options.

Some options may be:

- i. to assign the service area to the private operator in such a way as to include both remunerative and non-remunerative sectors [say a whole district with all govt. and non. govt. HCUs by arrangement with the state pollution control board].
- ii. to get some beneficial arrangement for govt. HCUs if space and/or other infrastructures are provided to the private operator (Private – Public – Partnership).
- iii. to assign supply of consumables for waste management in HCUs to the private operator for smooth running of the system.
- iv. to get further benefits (reduction in service charges) by delivering the whole quantity of recyclable discards to the private operator

Areas of Special Attention:

The private operator will have to get Authorisation from West Bengal Pollution Control Board.

Smooth coordination with Govt. Authorities and waste handlers and Govt. supervision of the privately run operation is an absolute necessity – this should be constituted in the contract.

Scope for monitoring by the Health & Family Welfare Samity, Rogi Kalyan Samity etc. should be incorporated in the contract.