

**Guidelines for preparation of site for new WIC/WIF**

**1. Space planning:**

The space for the installation of a cold room (WIC/WIF) should be planned keeping the perspective of having:

**a. Vehicle loading bay to load and unload vaccine.**

1. Access: The loading bay and the route to it must be planned to allow easy access for the largest vehicle used.

2. Security: Vaccines are high cost value. The loading bay area should therefore be visible from the storekeeper's office to ensure security.

3. Weather protection: A loading bay should preferably have a projecting canopy to protect workers, vehicles and vaccines from sunlight, rain or snow during loading and unloading.

4. Loading dock: Delivery vans can be loaded from ground level. However, it is more convenient to load and unload vehicles from a loading dock that is at the same level as the floor of the vehicle. This makes it possible to use a trolley to wheel vaccine into the vehicle. Ideally, it should be built to match the height of the delivery vehicle.

**b. Adequate floor space to accommodate the cold room.**

- i. Minimum space required for a 16 cum cold room is 5.5 m (L) x 3.65 m (W) x 3.0 m (H). A concrete platform of 75 mm height will be made for installation of cold room (excluding the dry storage volume and packing area). This platform will be built-up by the supplier.
- ii. Clearance at sides, rear and top can be minimal, but a zone of minimum 0.6 m wide for cleaning and air ventilation is desirable.
- iii. A high-level ventilation opening is required for exhaust fan.
- iv. Proper drainage for floor washing and drain out the defrosted water.
- v. The distance from the front opening of the cold room and front wall should be minimum 1.8 m for easy loading of vaccines in the cold room.

**c. Dry (protected from heat, water and sunlight) floor space for storage of diluents and droppers. Minimum 10 sq. m space is desirable.**

- d. **Cool floor space** (not to exceed 25<sup>0</sup> C) for unpacking and packing of vaccine. Minimum 10 sq. m space is desirable.
- e. **Store keepers office** with full view access to entire facility and with provisions of protected filing of important documents. Minimum 3.1 x 2.5 x 2.1 m<sup>3</sup> space is desirable.
- f. Adequate space for 10 KVA power backup Generator (minimum 2x3x2.5 m<sup>3</sup> space is desirable along with full ventilation and provision to vent out of exhaust smoke.

**2. Power Supply outlet:**

- a. A minimum of 15 KVA, 3 phase reliable power supply is required in the cold room following with all ISI standards.
- b. Suitable space for installation 10 KVA servo stabilizer is desirable.
- c. A main switch of suitable capacity should be installed as near as possible with the space of servo stabilizer.

**3. Water supply and sanitary facilities:** There should be a sink in the packing area for hand-washing and provision for hygienic hand-drying.

**4. Communication:-** As wireless data loggers for temperature monitoring of cold room will be provided, a dedicated telephone along with internet facility is desirable with store keeper.

**Annexure-IV****Check List for installation of cold rooms**

<b>S.No.</b>	<b>Items</b>	<b>Yes/No</b>
1	Equipment received in good condition at cold chain facility (Un-pack and check physically as per specifications),	Yes/No
2	Instruction and service manual is received	Yes/No
3	Shelves are provided with the equipments as per specifications	Yes/No
4	Diesel Generating set provided	Yes/No
5	AMF panel provided	Yes/No
6	Batteries are provided for starting of DG set	Yes/No
7	Servo Stabilizer provided to regulate the voltage	Yes/No
8	Spares provided as per the specifications of the cold room.	Yes/No



## Installation of Cold Chain Equipments

## Annexure - III

State :

District : \_\_\_\_\_ Date : \_\_\_\_ / \_\_\_\_ / \_\_\_\_

Name of the Cold Chain Facility: \_\_\_\_\_

Level : State / Regional / Divisional

Name of technician : \_\_\_\_\_ Name of the Store In-charge -----

[illegible]

