

Walk in Cold Room



1	Approx. Cold room size	On customer demand
2	Products to be stored	Vegetables & canteen consumables
3	Type	Walk In
4	Designed Temperatures	Positive Temperature: +2 to +10 (adjustable)
5	Consumable temperatures	30 ± 5°C
6	Ambient Outside Temp. - Cold room	30 ± 5°C (Approx.)
7	Ambient Outside Temp. - Condensor	40°C ± 5°C (Approx.)
8	Door Opening :-No of times/hr	Min. 3
9	Ceiling & Walls	
	Lamination In/Out	All GI PC PUF panels
	Material of Insulation	PUF
10	Floor	
	Type of floor	PUF slab aluminum chequered plate (min. 2 mm) & suitable with anti skid on top finish.



	Thickness & material of insulation (mm)	Pre Fab modular PUF panels of min. 60 mm
11	Door	
	Size of Door (Approx.)	Suitable for cold room
	Type of Door	Flush type self-closing swing door, including anti condensation door heater, Padlock, step ramp, Door to have vision panel of approx. size 300 X 300 mm, 100% fail safe provision to open from inside with a internal release device that can be over ridden from inside.
11	Refrigeration System	
	Units of referigeartion system	02 nos. (1working + 1 stand by) / as required
	Type of referigeration system	Split type /Casette type
	Make	Blue Star/Voltas/Carrier/Daikin/ Approved eq.
	Type of Condenser	Air cooled
	MOC of Evaporator	Stainless steel 304
12	Control Panel	Type of Evaporator Forced Air cooled Digital, electronic microprocessor based control panel with LCD/LED screen to operate on mains to be fitted on the wall of the room (outside). Wiring of standard makes for interconnection between the panel & condensing units to be included. Temperature sensing for multiple locations in the cold storage along with alarm for High/low temps, door open to be included. Control panel to include temperature monitoring and control & alarm system. The panel to have data logging ability for 30 days, software with open protocol, provision for BMS connectivity. UPS battery for control panel having 1 hr back up

13	Storage racks	The entire cold shall be supplied with storage racks and baskets as indicated in the schedule of rates.
14	Rack – 1	One wall to be with SS rack or as required
15	Storage baskets	10 nos./ as required



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