

To

Sub: Procurement of “Walk in Cold Room on Behalf of GMC- Bhopal”.

Ref: Short Limited Tender Enquiry No. HITES/PCD/MP-WC/LTE-01/18-19 dated 05/01/2019

Sealed quotations are invited from the bonafide suppliers/ authorized representative having experience in the field of supplying and installation of medical equipment and consumables under scope of the referred tender enquiry.

It is requested to quote item wise price in a single bid only.

The rate of the required goods should be quoted as per the technical specification, and other terms & conditions attached with this limited tender enquiry document.

It is requested to quote the best possible price. The quotations in a sealed envelope should reach the address on or before the stipulated date and time as mentioned in the Tender Enquiry Document enclosed herein.

Thanking You
For HLL Infra Tech Services Limited

Head (P&CD)

Encl: Short Limited Tender Enquiry Document

SHORT LIMITED TENDER ENQUIRY

Procurement & Consultancy Services Division of HLL Infra Tech Services Limited (HITES), for and on behalf of Dean GMC- Bhopal invites sealed tenders, from eligible and qualified tenderers for Supply and Installation of Walk In Cold Room. Eligible bidders are requested to submit their best offer along with complete technical details in line with the commercial Terms & Conditions as detailed below read with Annexure I to V.

❖ INSTRUCTIONS TO BIDDER (ITB)

1.0 All quotation/s and subsequent Correspondence should be sent to the address given below:

Head (P&CD),
HLL Infra Tech Services Limited (HITES),
Procurement & Consultancy Services Division
B-14A, Sector-62, Noida-201 307
Phone: 0120-4071500; Fax: 0120-4071513
pcd@hllhites.com, bmenoida@hllhites.com

Note: Bidders not received any direct enquiry from HLL/ HITES may participate in this tender by downloading the Tender Enquiry from the website www.hllhites.com or www.eprocure.gov.in/cppp with prior intimation to the above address.

2.0 **Item wise quotations** shall be submitted in single bid (envelope) system only.

The envelope shall be superscribed with “Tender No. & Date of Opening” and “Quotations for Supply and Installation of Walk in Cold Room- GMC Bhopal”. The signed copy of Tender Enquiry Document and shall contain EMD of **Rs. 21,000.00** in the form of DD in favour of HLL Infra Tech Services, payable (Item wise EMD as defined in List of requirement) and relevant documents mentioned herein.

EMD Exemption: MSE firms as per classification given in MSME Act 2006 and holding Permanent Registration Certificate from the District Industries Centers or Khadi and Village Industries Commission or Khadi and Village Industries Board or Coir Board or National Small Industries Corporation or any other body specified by Ministry of Micro Small and Medium Enterprises will be granted exemption from payment of Earnest Money Deposit. In case the tenderer falls in these categories, it should furnish copy of its valid registration details (as the case may be). *A) The MSE's Bidder to note and ensure that nature of services and goods/items manufactured mentioned in MSE's certificate matches with the nature of the services and goods /items to be supplied as per Tender. B) Traders/resellers/distributors/authorized agents will not be considered for availing benefits under PP Policy 2012 for MSEs as per MSE guidelines issued by MoMSME.*

Tender/s received in any other mode is liable to be summarily rejected.

3.0 **Tender should reach this office on or before 15.01.2019 upto 2:30 PM.** Technical & Price bids shall be opened on the same day at **2:45 PM**, in presence of the representative of firm(s) who may choose to be present.

4.0 In the event of any of the above mentioned dates being declared as a holiday/closed day for the Tender inviting organization, the tenders will be received/opened on the next working day at the appointed time.

- 5.0 Late tender/ telegraphic tenders & tenders over email shall not be considered and no claim, whatsoever will be accepted.
- 6.0 **TENDER VALIDITY:**
The Rates should be valid for acceptance of order at least for **90 days** from the date of opening of tender.
- 7.0 The tenderer should sign & stamp each page of this tender enquiry document as a token of having read & understood the terms & conditions contained herein.
- 8.0 The tenderer shall submit an affidavit as per format given in **Annexure-V**
- 9.0 The Manufacturer or their Authorised dealer or their agent can participate in this tender.
- 10.0 The bidder shall provide documentary evidence w.r.t their past major successful supplies/installations of similar products. The copies of latest/recent Supply orders may be attached along with the tender.
- 11.0 **PRICES:**
- Prices quoted in INR only and should be 'Firm & Final' for full quantity, inclusive of all taxes / levies prepaid up to consignee end, inclusive of all charges like packing & forwarding, loading, unloading, transit insurance, all duties & taxes, any other incidental expenses, installation and commissioning of the equipment at consignee site.
 - In case the quotation does not indicate clearly whether the Prices are firm or not, the quoted Price shall be deemed as firm & final. The overwriting should be avoided in the quotation.
 - A certificate indicating that the rates quoted are same as charged to other Govt./PSU's for similar supplies made in recent past should accompany the tender.

Prices should be quoted clearly as per Price Schedule in Annexure-III.

- 13.0 **PRODUCT SPECIFICATIONS:**
- **Brand/model** name and type of Product being offered by the Firm must be clearly mentioned in the offer.
 - Tenderer should confirm that the stores offered conform strictly to relevant specifications asked in this Tender Enquiry Document at **Annexure-II**.
 - Deviations, if any, are to be clearly mentioned. Complete product specifications, technical details, illustrations, literature, printed pamphlets/leaflets etc. must accompany the quotation.
- 14.0 Unless specifically mentioned to the contrary in the offer itself, it will be assumed that all terms and conditions mentioned in this enquiry are acceptable to the tenderer.
- 15.0 The tender quotation of the Supplier not in conformity with the above conditions is liable to be rejected.
- 16.0 HITES reserves the right to reject or accept any or all tender(s) without assigning any reason or to place the order for part or full quantity.

- 17.0** The firms are advised to submit the compliance statement with respect to technical specification asked in the tender enquiry in the following format along with Technical bid failing which their offer will be treated as incomplete and are liable to be ignored.

Format of compliance statement:

Para of Tender Enquiry specification	Compliance to Tender enquiry Specification Yes/ No	In case of non Compliance deviation From T/E Specification to be indicated in Unambiguous terms
(1)	(2)	(3)

- 18.0** Bidders may please note that complete Tender Enquiry Document is available on our website <http://www.lifecarehll.com/tender>, www.hllhites.com or www.eprocure.gov.in/cppp and submit its tender by utilizing the downloaded document.

❖ GENERAL CONDITIONS OF THE CONTRACT (GCC)

1.0 INSPECTION:

The purchaser reserves the right for inspection and testing the quality & standards of the stores for assessment of quality before dispatch to the consignees or at the consignee end wherever required.

2.0 DELIVERY PERIOD FOR SUPPLY, INSTALLATION & COMMISSIONING:

In the event of placement of Supply order, the bidder shall supply the stores **within 10 days** of order. The time and date of delivery stipulated in List of Requirements, **Annexure-I**

The delay on the part of supplier in regard to installation will attract the provisions of liquidity damages clause.

3.0 LIQUIDATED DAMAGES:

In the event of placement of an order, if the Supplier fails to deliver, install and commission the stores in full or part thereof within the delivery period as stipulated in Clause 2.0 above, the Purchaser reserves the right to levy Liquidated Damages @ 0.5% per week of the amount of the undelivered stores for delay in supplies subject to maximum 10% of value of the supply Order. Once the maximum is reached, the purchaser may consider termination of the contract and purchase the same from elsewhere, at the risk and cost of the Supplier.

4.0 PAYMENT FOR SUPPLY PORTION:

Payment shall be made subject to recoveries, if any, by way of liquidated damages or any other charges as per terms & conditions of contract in the following manner.

(A) On delivery:

80% payment of the contract price shall be made on receipt of goods in good condition and upon the submission of the following documents:

- (i) Three copies of supplier's invoice showing supply order number, goods description, quantity, unit price and total amount
- (ii) Consignee Receipt Certificate in original issued by the authorized representative of the consignee(s) (Format attached as **Annexure-IV**)

- (iii) Warranty Certificate
- (iv) On site Inspection Certificate by the designated authority
- (v) Country of origin in case the item is of foreign origin

(B) On delivery:

Balance Twenty percent (20%) payment would be made against, Final Acceptance Certificate" as per Section XVIII of goods to be issued by the consignees subject to recoveries, if any, either on account of non-rectification of defects/deficiencies not attended by the Supplier or otherwise. FAC needs to be issued by the designated consignee after installation, commissioning, testing and one to two weeks of successful trial run of the equipment.

5.0 TRANSIT INSURANCE:

Rates quoted being door delivery basis, the Supplier shall be fully responsible till full material is received in good condition up to destination and its commission. As such the Supplier shall dispatch the material duly insured and expenses on this account shall be borne by the Supplier.

6.0 WARRANTY:

- (a) Products to be offered as per '**LIST OF REQUIREMENT**' shall be warranted as per the standard warranty of the manufacturer.
- (b) The Supplier shall be responsible to replace the material free of cost at site in whole or in part if found defective in any respect after receipt at site or during normal & proper usage or storage/maintenance for which the Consignee/Purchaser shall give prompt written notice. Such replacements shall be effected by the Supplier within a reasonable time actually required to do so which in no case shall be more than 15 days.
- (c) If the Supplier fails to act with requisite promptness and thereby entails avoidable loss to the purchaser, it shall be liable to suitable action as deemed fit during the Operative Warranty period

7.0 FORCE MAJEURE:

If at any time, during the currency of the contract, the performance in whole or in part by either party or any obligation under this contract shall be prevented or delayed by reason of any war, hostility, acts of public enmity, civil commotion, sabotages, fires, floods, explosions, epidemics, quarantines, restrictions, strikes, lock outs or acts of God (herein after referred to as 'the events') then provided, neither party has any claim for damage against the other in respect of such non-performance or delays in performance, deliveries under the contract shall be resumed as soon as possible if any of the events have ceased to exist within one month of expiry of contract delivery period. After this, the purchaser may cancel the contract at its discretion without any financial repercussion on either side.

8.0 APPLICABLE LAW & RESOLUTION OF DISPUTES:

The contract shall be governed by and interpreted in accordance with the laws of India for the time being in force. Any dispute arising out of or in connection with this tender, Jurisdiction of the court will be at New Delhi, India.

LIST OF REQUIREMENTS**Part I:**

Sr No.	Name of the Item	Quantity	Warranty
		(Nos.)	
1.	Walk in Cold Room	1	5 years

Part II: Required Delivery Schedule:

Delivery shall be within **20 days** from date of Purchase Order and installation shall be completed in all respect within **7 days** from handing over the site.

The date of delivery will be the date on which the goods are delivered at the consignee's site (Tenderers may quote earliest delivery period).

Part III: Scope of Incidental Services:

Installation & Commissioning, Supervision, Demonstration, Trial run, Training for operation and troubleshooting to the operators of the Consignee.

Part IV:

On site standard manufacturer's warranty, from the date of supply. The supplier shall keep sufficient stock of spares for repair / replacement against warranty during warranty period .

Part V:**Required Terms of Delivery and Destination.**

Delivery required at Consignee Site at:

Virology Lab, Gandhi Medical College Bhopal.

In Transit Insurance and insurance until installation of the supply at the consignee site is sellers responsibility and shall be borne by the Supplier.

TECHNICAL SPECIFICATIONS**Schedule no. 1**

<u>Walk in Cooler</u>			
Clause	Description	Sub-clause	Technical Particulars
1	Description of Function and capacity	1.1	Walk in Cold rooms are required to store for long term duration of large quantity of vaccines at a temperature between +2 deg to +8 deg C.
		1.2	Typical gross internal volume should be 15 cum
2	Operational Requirements	2.1	To be constructed of prefabricated, modular complete with floor and ceiling panels, mounted on a flat, solid concrete base.
		2.2	The cold room should be equipped with two completely independent refrigeration systems. One of these will remain as standby.
		2.3	Each refrigeration system must be provided with it respective separate :
			· condensing unit,
			· evaporator unit,
			· refrigeration unit,
			· electronic controls,
			· pipe work and other necessary control instrumentation, to ensure proper operation of each respective Refrigeration system.
		2.4	Provide additional control which permits simultaneous operation of both refrigeration systems in case of emergency.
		2.5	There should be manual & automatic switchover to the standby system by thermostatic or electrical control.
2.6	There should be programmable automatic operational duty cycle for the switch over to the standby refrigeration system.		
	Depending upon the internal room layout and the room location, refrigeration units may be one of the following types:		
2.7	· Wall-mounted with the condenser unit discharging inside the building that houses the cold room (monobloc system);		
	· Wall-mounted with weatherproof condenser units located externally as close as possible to the evaporator units (weatherproof split system);		
	· Wall-mounted with condenser units located in a separate ventilated enclosure mounted as close as possible to the evaporator units (split system).		
3. Technical Specifications			
3.1	Internal Temperature:	3.1.1	+2 deg to +8 deg C adjustable
			(i) during 43 deg C continuous ambient
			(ii) 32 deg continuous ambient
3.2	Panels:	3.2.1	wall and roof panel skins can be made from stainless steel of Grade 304
		3.2.2	Outer and inner Panels:
			Powder coated, made of galvanized steel panels, double wall having minimum thickness 22 SWG each.
		3.2.3	Panels must be fully insulated and without internal structural members or stiffeners between the skins.

		3.2.4	Tongued and grooved joints between panels must be designed to minimize cold-bridging.
		3.2.5	Gaskets must be resistant to damage from oil, fats, water and detergents.
		3.2.6	After assembly, all joints must be mastic sealed on the interior side to ensure airtightness.
		3.2.7	Roof panels with an overall length of 6 metres or less must be self-supporting.
		3.2.8	Modular panel-Easily assembled and disassembled.
		3.2.9	Double action cam-lock assembly/panel interlocking, for perfect seal.
		3.2.10	No screws or panel cover strips.
		3.2.11	Have airtight seals between condensing unit and wall.
		3.2.12	Have airtight seals around all pipe and cable penetrations through wall and/or roof panels.
3.3	Insulation	3.3.1	CFC-Free Urethane foam or extruded polystyrene foam core bonded sandwiched between two galvanized steel sheets.
		3.3.2	Minimum thickness: 100 mm
		3.3.3	Density: not less than 40 kg/m ³
		3.3.4	Thermal conductivity of 0.17 w/m ² k or better for hot zone climate.
		3.3.5	Thermal insulation foaming agents: Any gas complying with limitations and deadlines set by the Montreal Protocol on the elimination of ozone-depleting chemicals.
3.4	Flooring:	3.4.1	Base - 1st layer: 75 mm thick cement concrete (dimensions suitable to the size of cold room);
		3.4.2	2nd layer of specified insulation as specified in para 3.3
			· Extruded polystyrene slabs laid with the joints staggered to achieve a 'U' value of 0.17 W/m.K or better.
			· 250 micron polythene vapor barrier.
			· Reinforced granolithic concrete topping trowel led smooth.
		3.4.3	3rd layer of 6mm (minimum) non-slip finish Aluminium checker plate.
3.4.4	The floor should be capable to support load of 1500 kg/m ² .		
3.4.5	Concrete floors must be designed and constructed to allow Shallow ramped access entry to the cold room or freezer room.		
3.5	Door	3.5.1	The door should have:
			i) Heavy duty lock - lockable with 100% fail-safe provision for opening from inside.
			ii) The door should be self-closing type
		3.5.2	Plastic curtains on the door way.
		3.5.3	Door should be flush type with kick plate at bottom and fitted with door closer.
		3.5.4	Examination Window (View port).
		3.5.5	Seal closer mechanism which cushions the closing
			Movement of the door, shuts the door silently and keeps it seal-closed preventing loss of cooling.
3.5.6	An incandescent vapour-proof light mounted on the interior of the vaccine chamber.		
3.5.7	Dimensions: 34" to 40" (W) x72" to 80" (H).		
3.5.8	Additional alarm switch to be fitted inside the cold room close to the door latch.		
3.6	Lighting	3.6.1	Internal ceiling-mounted low energy fluorescent or
			LED luminaries with an external switch with pilot light.
		3.6.2	The external light and light switch must be fixed to the wall of the cold room enclosure near to the entrance door.
		3.6.3	The minimum illumination level on the vertical face of the lowest shelves must be 150 lux.
3.6.4	The lighting should be evenly distributed inside the cold room.		
3.7	Refrigeration System:	3.7.1	Dual Refrigeration system (100% standby)
		3.7.2	The refrigeration system should have 3.5 to 4 KW compressor for 15 cum Walk-in-cooler.
		3.7.3	Cooled refrigeration units, preferably Mono-block type
		3.7.4	Automating defrosting (electric or hot gas)
		3.7.5	CFC-free refrigerant.
		3.7.6	Tropicalized units suitable for ambient temperature up to 45 deg C.
		3.7.7	In case of a split system, the condensing Unit should be mounted in a weather proof enclosure with proper canopy so as to get protection from rain and hard weather and

			prevent any vandalism or injury to people upon accidental access.
		3.7.8	<p>Condensing unit (s) to comprise compressor with:</p> <p>(a) Forced air condenser,</p> <p>(b) Oil level glass,</p> <p>(c) Oil separator,</p> <p>(d) liquid receiver to carry full charge,</p> <p>(e) Filter/dryer with flare connections,</p> <p>(f) Isolating stop valves.</p> <p>(g) Fixed high and low pressure dial gauges.</p> <p>(h) Fitted with high and low pressure cut-outs,</p> <p>(i) Time-operated electric defrost control</p> <p>(j) It should have run hour meter.</p> <p>(k) Where cold climate freeze prevention is specified provide a low temperature protection system to prevent the temperature of the cold room dropping below +2°C under low ambient conditions.</p>
3.8	Evaporator:	3.8.1	Evaporators to be forced air, wall or - ceiling-mounted units with a condenser unit discharging inside the building that houses the cold room.
		3.8.2	There must be a timer operated electric defrosting system and a condensate drip tray and drain connection.
		3.8.3	Size and position the evaporator units so that the plume of discharged air at a temperature below +2°C does not reach areas where vaccine is stored. If necessary provide a removable mesh cage or deflector shield around the evaporator so as to maintain the safe storage zone.
4. Temperature Control , monitoring & Recording:			
4.1	Temperature Control	4.1.1	Room temperature must be controlled by a thermostat within the tolerances specified.
		4.1.2	The thermostat must be calibrated to ITS-90 and be accurate to $\pm 0.5^{\circ}\text{C}$ or better.
		4.1.3	All parts of the room designated for vaccine storage must remain between 2°C to 8°C when measured under any loading condition between empty and full and over the full ambient temperature range of the required temperature zone.
		4.1.4	The control supply relay carrying the compressor running current should be rated twice the running current, or provide additional contactor to be provided in the control circuit to sustain the running current, without causing overheating of the control boards.
4.2	Temperature Monitoring and recording	4.2.1	Provide a digital temperature recording system with display controlling indicating logging facility : for example • _A programmable electronic temperature and event data logger system with minimum 10,000 data storage capacity, auto-dialler complying with PQS E006/TR03 linked to the alarm system.
		4.2.2	Wall mounted seven days graphic temperature recorder not using thermal paper.
		4.2.3	Provide a backup gas or vapour pressure dial thermometer complying with PQS E006/TH02, mounted on the wall of the cold room in an accessible position.
4.3	Alarm & Buzzer	4.3.1	Provide a mains-operated audible and visible loud alarm with battery backup and automatic recharge, which is triggered in the event of mains failure or when the cold room temperatures are outside set limits.
		4.3.2	In case of a triggered event, the acoustic alarm unit must comply as per specification WHO/PQS/E06/AL01-01 or with E006/TR03
		4.3.3	Alarm sounders are to be located adjacent to the cold room.
		4.3.4	Buzzer system : Visual indicator along with buzzer alarm system should be provided to alert the user in the following events :
			(a) Power failure alarm
			(b) High pressure (dirty condenser) alarm
(c) Open door alarm			
4.3.5	(d) Probe failure alarm		
4.3.5	It should have back-up battery for control its panel		
5	Storage Condition	5.1	Storage conditions to be maintained at + 5 deg C ± 3 deg C continuously, control by thermostat on each cold room.
6	Shelves	6.1	Cold room(s) to be fitted with locally made/manufactured, running height adjustable

			perforated shelves (slotted shelves will be preferred)
		6.2	600 mm wide at 600 mm spacing;
		6.3	Four shelves above the ground all around the wall and intermediate shelves should be placed suitably.
		6.4	The total area covered by shelves should be at least 42% of the ground area.
		6.5	There should be enough distance in between two intermediate racks, to facilitate the movement of men and material.
		6.6	The final drawing of the room with shelves will have to be got approved from the authorities after placement of NOA.
		6.7	The material of the shelves should be non corrosive 304 grade stainless steel to take load of at least 0.075kg/cm ² .
		6.8	The top face of the lowest shelf must be mounted 200 mm above the floor.
		6.9	Shelving must be washable.
8	Environmental factors	8.1	The unit shall be capable of operating continuously in ambient temperature of 5 to 45°C and relative humidity of 95%
9	Installation:	9.1	Complete installation, testing and commissioning is to be done by the supplier inclusive of: (a) Installation of stabilizer, (b) Drainage system (c) Assembly of the panels (d) Refrigerator units, (e) Data logger (f) Adequate smoke evacuation system, Generator as per CPCB. (g) All other related work required for installation as per WHO PQS and guidelines. (h) Separate earthing must be provided respectively for Genset and WIC The installation and commissioning should be done by supplier
10	Power Supply	10.1	Power input: 220-240V/ 50 Hz AC Single phase or 380-400V AC 50 Hz, three phase.
		10.2	Fitted with ISI marked, 15 ampere, Indian M-plugs and sockets.
		10.3	Diesel Generating set of 15 KVA should be supplied.
		10.4	Suitable automatic voltage regulator/stabilizer meeting IS 9815, IEC 60335-1 & IEC 60364-1 specifications should be supplied.
		10.5	Voltage regulator should have capacity to take load of both refrigeration units (main as well as standby).
11	Standards, Safety and Training	11.1	Electrical and refrigeration components and the panels should have:
		11.2	National or international approvals like UL, IEC 60335 -1 2006
		11.3	Safety of household & similar electrical appliances. / IEC 60364-1, / ISO 20282-1:2006
		11.4	Ease of operation of every day products ./ Electrical safety rating: meet IEC 60335-1, IEC 60364-1- Voltage, frequency & phasing: single phase, three-phase - voltage stabilizers and surge protections.
		11.5	All operational and maintenance training by trained personal of manufacturer to the end users after successful installation and commissioning.
12	Warranty:	12.1	Provide Comprehensive warranty for 5 years, ensure provision of consumables including spares and accessories within the warranty period excluding batteries (warranty as per manufacture norm, minimum of two years) and diesel for DG set.
		12.2	Provide commitment and quote for Comprehensive Maintenance Contract (CMC) for 5 years after the 5 years
		12.3	Guarantee for availability of spares for 10 years after warrantee.
13	After Sales Service:	13.1	Should have local / regional authorized service facility.
		13.2	The service provider should have the necessary equipments and spares recommended by the manufacturer to carry out preventive maintenance and repair as per guidelines provided in the service/maintenance manual.
14	On-site maintenance:	14.1	All minor repairs should be attended to and completed within 24 hours of the intimation.
		14.2	Any major break down (e.g. compressor failure, gas leakage, control paned burn-out) must be attended to and put back into functional condition within seven days following

			first intimation.
		14.3	If both refrigeration system have failed, at least one refrigeration system must be repaired or replaced within 24 hrs.
15	Documentation: Certification and Manuals	15.1	Test certificate of inspection should be submitted at the time of prototype inspection along with :
			(a) Cool down time,
		15.2	(b) Running test , as per WHO quality Assurance Protocol WHO/PQS/E001/CR-FR01-VP2 of any capacity from an independent laboratory approved /recognized by WHO/UNICEF/National Accreditation board/ILAC/STQC lab is essential, should be submitted at the time of prototype inspection.
			Separate Certificate of inspection for tendered item from an independent laboratory approved/recognized by WHO/UNICEF/National Accreditation Board/ ILAC/ STQC Labs or third party inspection agency as mentioned in the NOA is essential and is required to be submitted at the time of delivery.
15.3	List of important spare parts, and accessories with their part number and costing.		
16	Installation instructions:	16.1	Provide a comprehensive, illustrated (including all wiring diagrams) with step-by-step installation manual suitable for use by the installer, covering the unpacking, assembly, testing and commissioning of all the system components, including safe working procedures to be observed.
		16.2	The manual must be supplied in triplicate - one copy for the employer, one for the installer and one for the maintenance contractor.
17	Service instructions:	17.1	Provide a comprehensive, illustrated service and workshop manual, suitable for use by the maintenance contractor, covering all the system components, including safe working procedures to be observed.
		17.2	The manual must be supplied in duplicate - one copy for the employer and one for the maintenance contractor.
18	User instructions:	18.1	Provide a comprehensive, illustrated maintenance manual suitable for the user and covering all aspects of safe operation and routine non-specialist maintenance of the cold room.
		18.2	The manual must be supplied in duplicate - one copy for the employer and one for the maintenance contractor.
		18.3	Log book with instruction for daily, weekly, monthly and quarterly maintenance checklist.
19	Post commissioning certifications:	19.1	Test certificate of inspection for all test, as per WHO quality Assurance Protocol WHO/PQS/E001/CR-FR01-VP2 of installed cold room from an independent laboratory approved /recognized by WHO/UNICEF/National Accreditation board/ ILAC/STQC lab or third party inspection agency specified in the NOA after installation and commissioning of cold room to be submitted along with Final Acceptance Certificate.

PRE-INSTALLATION INSTRUCTIONS FOR WIC.

General

Please ensure that the goods will be on the actual installation site within carrying distance from the final location before the arrival of the engineer (if supplier will carry out the installation)

Storing of the goods should be done in a covered and secured area

Please ensure that the intended installation site is cleared and ready for immediate installation to start

The installation space should be with adequate ventilation or windows which can be opened on the top of the existing wall(s) with netting/burglar proof grills

The crates will be opened by engineers from the supplier to verify that all pieces of equipment have arrived as packed by the supplier

Please ensure that there is local unskilled labour available for carrying the materials and doing minor installation work such as installation of the floors, walls and ceiling panels as well as doors and shelving under the supervision of supplier engineer

For the electrical installation it would be good to have a local electrician present to assist in the installation and final connection to the local supply network

During installation it is preferred that all technical personnel who will be responsible for the future daily operation, maintenance and service of the room(s) will be present and participating in the installation work thereby getting a thorough understanding of the equipment.

Concrete platform size should be according to make and model of WIC-WIF, as they are all different.

Ensure that there is water drainage facility available from concrete platform to outside.

Prefabricated rooms
The doors of the WIC are located in the middle of one of the long walls
There should be enough free space of preferably in the front of the door wall for easy access to the room as well as handling and possible repacking of the stored goods
Preferably installation is to be done on a levelled concrete floor
As the rooms are made of prefabricated insulation panels the levelling / base evenness requirement is +/- 3 mm / 3 m and +/- 5 mm / 5 m
The entrance door to the space where the installation of the room(s) is to be done should be about 900 mm wide so that panels and other pieces of equipment can be easily carried through the door opening
Electrical supply and power consumption for WICs and WIFs
Please ensure that Grid Power supply is available in the installation premises.
i.e. A.C., 3-phase, 380-400V, 50 Hz, with proper switch box/distribution board with fuses and a main switch for the local national grid.

PRICE SCHEDULE**PRICE SCHEDULE FOR DOMESTIC GOODS OR GOODS OF FOREIGN ORIGIN LOCATED WITHIN INDIA**

1 Sr. No.	2 Brief Description of Goods	3 Country of Origin	4 Quantity (Nos.)	5 Price per unit (Rs.)					6 Total Price (at Consignee Site) basis (Rs.) 4 x 5(e)
				Ex-factory/ Ex-warehouse/ Ex-showroom/ Off-the shelf (Including discounts, Packing/Forwarding, etc.) (a)	GST [%age & value] (b)	Insurance Charges (c)	Any other charges (please specify) (d)	Unit Price (at Consignee Site) basis (e) = a+b+c+d	
1									
2									

Total Tender price in Rupees: _____

In words: _____

Note: -

If there is a discrepancy between the unit price and total price THE UNIT PRICE shall prevail.

Name _____

Business Address _____

Place: _____

Signature of Tenderer _____

Date: _____

Seal of the Tenderer _____

CONSIGNEE RECEIPT CERTIFICATE
(To be given by consignee's authorized representative)

The following store (s) has/have been received in good condition:

- 1) NOA No. & date : _____
- 2) Supplier's Name : _____
- 3) Consignee's Name & Address
with telephone No. & Fax No. : _____
- 4) Name of the item supplied/Installed : _____
- 5) Quantity Supplied(as per packing list) : _____
- 6) Date of Receipt by the Consignee : _____
- 7) Name and designation of Authorized
Representative of Consignee : _____
- 8) Signature of Consignee or Representative
of Consignee with date : _____
- 9) Seal of the Consignee : _____

Proforma of Final Acceptance Certificate by the Consignee

NO _____

DATE _____

To

M/s _____

Subject: Certificate of commissioning of equipment /plant.

This is to certify that the equipment (s)/plant(s) as detailed below has/have been received in good conditions along with all the standard and special accessories and a set of spares (subject to remarks in Para no.02) in accordance with the contract/technical specifications. The same has been installed and commissioned.

- (A) CONTRACT NO _____ DATED _____
- (B) DESCRIPTION OF THE EQUIPMENT (S)/PLANTS: _____
- (C) EQUIPMENT (S)/ PLANT(S) NOS.: _____
- (D) QUANTITY: _____
- (e) **Bill of Loading/Air Way Bill/Railway**
 Receipt/ Goods Consignment Note no _____ dated _____
- (f) **Name of the vessel/Transporters:** _____
- (g) **Name of the Consignee:** _____
- (h) **Date of site hand-over to the supplier by consignee:** _____
- (i) **Date of commissioning and proving test:** _____

Details of accessories/spares not yet supplied and recoveries to be made on that account.

Sl. No.	Description of Item	Quantity	Amount to be recovered

The proving test has been done to our entire satisfaction and operators have been trained to operate the equipment (s)/plant(s).

The supplier has fulfilled its contractual obligations satisfactorily ## or

The supplier has failed to fulfil its contractual obligations with regard to the following:

- a) He has not adhered to the time schedule specified in the contract in dispatching the documents/ drawings pursuant to 'Technical Specifications'.
- b) He has not supervised the commissioning of the equipment (s)/plant(s) in time, i.e. within the period specified in the contract from date of intimation by the Purchaser/Consignee in respect of the installation of the equipment (s)/plant(s).
- c) The supplier as specified in the contract has not done training of personnel.

The extent of delay for each of the activities to be performed by the supplier in terms of the contract is.....

The amount of recovery on account of non-supply of accessories and spares is given under Para no.02

The amount of recovery on account of failure of the supplier to meet his contractual obligations is_____ (here indicate the amount).

(Signature)
(Name)
(Designation with stamp)

Explanatory notes for filling up the certificate:

- i) He has adhered to the time schedule specified in the contract in dispatching the documents/drawings pursuant to 'Technical Specification'.
- ii) He has supervised the commissioning of the equipment (s)/plant(s) in time, i.e. within the time specified in the contract from date of intimation by the Purchaser/Consignee in respect of the installation of the equipment (s)/plant(s).
- iii) Training of personnel has been done by the supplier as specified in the contract.

In the event of documents/drawings having not been supplied or installation and commissioning of the equipment (s)/plant(s) having been delayed on account of the supplier, the extent of delay should always be

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DECLARATION REGARDING NON BLACK LISTING OF THE FIRM

I/We, (Name)_____ contractor/partner/sole proprietor (*strike out the word which is not applicable*) of (Firm)_____ do hereby declare and solemnly affirm to that the individual firm/companies are not black-listed by the Union or state Government or any partner or shareholder thereof are not directly or indirectly connected with or has any subsisting interest in business of my/our firm

Address _____
DEPONMENT _____

I/We do hereby solemnly declare and affirm that the above declaration is true and correct to the best of my knowledge and beliefs. No part of it is false and nothing has been concealed.

Dated:

DEPONMENT