CENTRAL MEDICAL SERVICES SOCIETY
(An Autonomous Society Under Ministry of Health & Family Welfare, Govt. of India)
2nd Floor, Vishwa Yuvak Kendra, Pt. Uma Shankar Marg, Teen Murti Marg,
Chankayapuri, New Delhi-110021
Phone: 011-21410905, 21410906
Website: www.cmss.gov.in,

Date :- 23.10.2026

Minutes of Pre-bid Meeting

For

Procurement of Electrical and Non-Electrical Cold Chain Equipment for Universal Immunization Program (UIP)

through

Tender NO. CMSS/PROC/2026-27/UIP/019

Pre-bid Meeting held on 14.07.2026 at 11.00 AM

1. Following officials were present during the Pre-Bid Meeting:

CMSS Official(s)	UIP Official(s)
i. Mr. Manish Bhaskar, Joint Director (Proc.), CMSS ii. Dr. Anuj Prakash, Joint Director (QA.), CMSS iii. Mr. Saurav Kumar, AGM (Proc.), CMSS iv. Mr. Suryadev Sharma, AGM (QA.), CMSS v. Mr. Parteek Sharma, Manager (Proc.), CMSS	i. Dr Ashish Chakrabarty Imm. Div. MoHFW. ii. Dr. Subhash Gorgra. NCCVMRC iii. Satya Prakash Mishra Sr. Consultant MoHFW iv. Mr. Govind Singh MoHFW v. Mr. Pravin MoHFW

2. The following bidder queries were received via email:

S. No.	Name of the Firm(s)
1.	M/s Raj Thermometers
2.	M/s Nilkamal Limited
3.	M/s Vikash Pharmaceuticals
4.	M/s Apex International
5.	M/s GSk Healthsol LLP
6.	M/s Rattan Sales Corporation
7.	M/s Godrej & Boyce Mfg. Co. Ltd.
8.	M/s Orlando Medisystems Private Limited
9	M/s Manchanda Medicos
10.	M/s Coldchain Controls
11.	M/s Blowkings
12	M/s Bio Infotech
13	M/s Duggar Power Supplies
14	M/s Rockwell Industries

3. Points raised by representative of prospective bidder during pre-bid meeting were discussed. After due consideration of the queries, the remarks are enclosed at Table-A.

Table-A.

Sl. No.	Tender Clause	Bidder's Representation / Amendment Requested	Clarification / Amendment, if any
	Schedule 1: Ice Lined Refrigerator (Large)		
1.	Section IV- Qualification Criteria 4) The manufacturer of Equipment's must have supplied at least 40% of the quoted quantity of same or similar item in last 02 financial years i.e. in financial year 2024-25 and 2025-26 including the current financial year till date of Tender Opening. Note: For the purpose of this tender, similar item shall mean item of any size, capacity, configuration or variant corresponding to the respective items specified in Table of NIT	4) The manufacturer of Equipment's must have supplied at least 30% of the quoted quantity of same or similar item in last 05 financial years. Note: For the purpose of this tender, "similar item" shall mean any type of Cold Chain Equipment, irrespective of size, capacity, configuration, or variant.	As per Amendment No-7
2.	8) Copies of the audited Annual reports including the Balance Sheet and Profit and Loss Account for the last three years i.e., 2023-24, 2024-25 and 2025-26.	Copies of the audited Annual Reports including the Balance Sheet and Profit & Loss Account for FY 2023-24 and FY 2024-25, along with the Provisional Balance Sheet and Profit & Loss Account for FY 2025-26 (duly certified by the Authorized Signatory/Chartered Accountant, if the audit is not yet completed).	As per Amendment No-7
3.	Page No. 84 of 278, under the Technical Specifications for Vaccine Carrier, Clause 3.10 : "Temperature of a full load of vaccines shall remain +2oC to +|oC during continuous availability of energy al ambient temperature as per Indian Standard IS 19106:2025 or IIHO PQS Standard (|/HO/PQS/E03/RF03.6 or latest) for Ice Lined Refrigerators, with intermittent/continuous electricity supply of 8 hours in a 21-hour cycle. The temperature difference between any two points in the cabinet should not be more than *2oC once stabilized."	We respectfully submit that the specification currently provides compliance with either Indian Standard IS 17589:2021 / 19106:2025 or WHO PQS Standard (WHO/PQS/E03/RF03.6 or latest) WHO Product verifications protocol E004/vc 01.2. Since these refrigerators are intended for the storage of vaccines under the Universal Immunization Programme, we believe that WHO PQS certification should be made mandatory rather than optional.	As per Tender Document
4.	Page No. 84 of 278, under the Technical Specifications for Vaccine Carrier, Clause 3.10 : "Temperature of a full load of vaccines shall remain +2oC to +|oC during continuous availability of energy al ambient temperature as per Indian Standard IS 19106:2025 or IIHO PQS Standard (|/HO/PQS/E03/RF03.6 or latest) for Ice Lined Refrigerators, with intermittent/continuous electricity supply of 8 hours in a 21-hour cycle. The temperature difference between any two points in the cabinet should not be more than *2oC once stabilized."	We respectfully submit that the specification currently provides compliance with either Indian Standard IS 17589:2021 / 19106:2025 or WHO PQS Standard (WHO/PQS/E03/RF03.6 or latest) WHO Product verifications protocol E004/vc 01.2. Since these refrigerators are intended for the storage of vaccines under the Universal Immunization Programme, we believe that WHO PQS certification should be made mandatory rather than optional.	As per Tender Document

Sl. No.	Tender Clause	Bidder's Representation / Amendment Requested	Clarification / Amendment, if any
5.		We hereby request you to allow an Authorized Distributor / Channel Partner to quote on behalf of OEM.	As per Tender Document
6.	Past Supply Experience: The manufacturer of Equipments must have supplied at least 40% of the quoted quantity of the same or similar item during the last two (02) financial years i.e. F.Y. 2024-25 and F.Y. 2025-26 including the current financial year till the date of Tender Opening.	We propose to increase it to minimum 50% so that reputed manufacturers should qualify for this prestigious tender.	As per Amendment No-7
7.	Inspection required (By Empanelled Inspection Authority / Agencies Pre-Registered with GeM)	Inspection required (By Empanelled Inspection Authority / Agencies Pre-Registered with GeM) is "No". This should be made "Yes"	As per Tender Document
8.	OEM Average Turnover (Last 3 years) (Pg. No. 3:GEM Tender Document)	OEM Average Turnover (Last 3 years): 20 lakhs which is very less and not the right parameter to judge OEM as it can lead to substandard equipment procurement. Hence, we request to raise this OEM Average Turnover (Last 3 Years) to 20-50 Crore (as per total tender value).	As per Amendment No-7
9.	Pg 90 point no. 3.5	Product specifications it's only mentioned Pure Copper (Pg 90 point no 3.5) similarly all across in Ice Lined Refrigerator & Deep Freezer it should be clearly mentioned 99.99% copper as there are manufacturers providing aluminium with copper paint and taking undue advantage. Hence, we inform you to add this and evaluate because there is a huge cost difference between copper & aluminium.	As per Tender Document
10.		Every Equipment quoted in tender should be Tested by Government from NABL labs before supply as in various tenders, manufacturers have provided demo and supplied other machine. Hence to avoid this Product should be tested by relevant agencies both pre and post-delivery to ensure the quote product has been delivered.	As per Tender Document
11.	Technical Specifications for Ice Lined Refrigerator	Please add Verification protocol: E003/RF03-VP.4 Please add PQS standard: E003/RF03.5 Please change Stainless 304 grade steel/Corrosion resistant polymer to Stainless 304 grade steel/Corrosion resistant polymer/Corrosion resistant polymer coated metal.	As per Tender Document
12.	Mandatory WHO PQS Certificate for ICE Lined Refrigerator	WHO PQS certification should be made mandatory for every bidder for ILR. Brief Justification: ICE Lined Refrigerators under this tender will be deployed at immunization centers for storage of temperature-sensitive vaccines. The WHO PQS - Performance, Quality and Safety certification is the globally accepted standard for cold chain equipment used in immunization programs. Key reasons: Vaccine Safety: PQS certified ILRs are tested to maintain +2°C to +8°C even during 42 hours of power failure, ensuring vaccine potency. Quality & Reliability: Ensures compliance with WHO standards for performance, durability, and energy efficiency. Program Integrity: Only PQS listed equipment is recommended by WHO, UNICEF, and MoHFW. Non-PQS equipment risks vaccine wastage and compromise in the immunization program. Prevents Trading: Ensures participation only by genuine manufacturers of proven equipment.	As per Tender Document

Sl. No.	Tender Clause	Bidder's Representation / Amendment Requested	Clarification / Amendment, if any
		Therefore, to safeguard public health and vaccine efficacy, a valid WHO PQS certificate for the quoted ILR model must be a mandatory technical eligibility criterion.Request you to please incorporate the above in the tender.	
	Schedule 2: Ice Lined Refrigerator (Small)		
1.	Section IV- Qualification Criteria 4) The manufacturer of Equipment's must have supplied at least 40% of the quoted quantity of same or similar item in last 02 financial years i.e. in financial year 2024-25 and 2025-26 including the current financial year till date of Tender Opening. Note: For the purpose of this tender, similar item shall mean item of any size, capacity, configuration or variant corresponding to the respective items specified in Table of NIT	4) The manufacturer of Equipment's must have supplied at least 30% of the quoted quantity of same or similar item in last 05 financial years. Note: For the purpose of this tender, "similar item" shall mean any type of Cold Chain Equipment, irrespective of size, capacity, configuration, or variant.	As per Amendment No-7
2.	8) Copies of the audited Annual reports including the Balance Sheet and Profit and Loss Account for the last three years i.e., 2023-24, 2024-25 and 2025-26.	Copies of the audited Annual Reports including the Balance Sheet and Profit & Loss Account for FY 2023-24 and FY 2024-25, along with the Provisional Balance Sheet and Profit & Loss Account for FY 2025-26 (duly certified by the Authorized Signatory/Chartered Accountant, if the audit is not yet completed).	As per Amendment No-7
3.		We hereby request you to allow an Authorized Distributor / Channel Partner to quote on behalf of OEM.	As per Tender Document
4.	Past Supply Experience: The manufacturer of Equipments must have supplied at least 40% of the quoted quantity of the same or similar item during the last two (02) financial years i.e. F.Y. 2024-25 and F.Y. 2025-26 including the current financial year till the date of Tender Opening.	We propose to increase it to minimum 50% so that reputed manufacturers should qualify for this prestigious tender.	As per Amendment No-7
5.	Inspection required (By Empanelled Inspection Authority / Agencies Pre-Registered with GeM)	Inspection required (By Empanelled Inspection Authority / Agencies Pre-Registered with GeM) is "No". This should be made "Yes"	As per Tender Document
6.	OEM Average Turnover (Last 3 years) (Pg. No. 3:GEM Tender Document)	OEM Average Turnover (Last 3 years): 20 lakhs which is very less and not the right parameter to judge OEM as it can lead to substandard equipment procurement. Hence, we request to raise this OEM Average Turnover (Last 3 Years) to 20-50 Crore (as per total tender value).	As per Amendment No-7
7.	Pg 90 point no. 3.5	Product specifications it's only mentioned Pure Copper (Pg 90 point no 3.5) similarly all across in Ice Lined Refrigerator & Deep Freezer it should be clearly mentioned 99.99% copper as there are manufacturers providing aluminium with copper paint and taking undue advantage. Hence, we inform you to add this and evaluate because there is a huge cost difference between copper & aluminium.	As per Tender Document
8.		Every Equipment quoted in tender should be Tested by Government from NABL labs before supply as in various tenders,	As per Tender Document

Sl. No.	Tender Clause	Bidder's Representation / Amendment Requested	Clarification / Amendment, if any
		manufacturers have provided demo and supplied other machine. Hence to avoid this Product should be tested by relevant agencies both pre and post-delivery to ensure the quote product has been delivered.	
	Schedule 3: Deep Freezer (Large)		
1.	Section IV- Qualification Criteria 4) The manufacturer of Equipment's must have supplied at least 40% of the quoted quantity of same or similar item in last 02 financial years i.e. in financial year 2024-25 and 2025-26 including the current financial year till date of Tender Opening. Note: For the purpose of this tender, similar item shall mean item of any size, capacity, configuration or variant corresponding to the respective items specified in Table of NIT	4) The manufacturer of Equipment's must have supplied at least 30% of the quoted quantity of same or similar item in last 05 financial years. Note: For the purpose of this tender, "similar item" shall mean any type of Cold Chain Equipment, irrespective of size, capacity, configuration, or variant.	As per Amendment No-7
2.	8) Copies of the audited Annual reports including the Balance Sheet and Profit and Loss Account for the last three years i.e., 2023-24, 2024-25 and 2025-26.	Copies of the audited Annual Reports including the Balance Sheet and Profit & Loss Account for FY 2023-24 and FY 2024-25, along with the Provisional Balance Sheet and Profit & Loss Account for FY 2025-26 (duly certified by the Authorized Signatory/Chartered Accountant, if the audit is not yet completed).	As per Amendment No-7
3.		We hereby request you to allow an Authorized Distributor / Channel Partner to quote on behalf of OEM.	As per Tender Document
4.	Past Supply Experience: The manufacturer of Equipments must have supplied at least 40% of the quoted quantity of the same or similar item during the last two (02) financial years i.e. F.Y. 2024-25 and F.Y. 2025-26 including the current financial year till the date of Tender Opening.	We propose to increase it to minimum 50% so that reputed manufacturers should qualify for this prestigious tender.	As per Amendment No-7
5.	Inspection required (By Empanelled Inspection Authority / Agencies Pre-Registered with GeM)	Inspection required (By Empanelled Inspection Authority / Agencies Pre-Registered with GeM) is "No". This should be made "Yes"	As per Tender Document
6.	OEM Average Turnover (Last 3 years) (Pg. No. 3:GEM Tender Document)	OEM Average Turnover (Last 3 years): 20 lakhs which is very less and not the right parameter to judge OEM as it can lead to substandard equipment procurement. Hence, we request to raise this OEM Average Turnover (Last 3 Years) to 20-50 Crore (as per total tender value).	As per Amendment No-7
7.	Pg 90 point no. 3.5	Product specifications it's only mentioned Pure Copper (Pg 90 point no 3.5) similarly all across in Ice Lined Refrigerator & Deep Freezer it should be clearly mentioned 99.99% copper as there are manufacturers providing aluminium with copper paint and taking undue advantage. Hence, we inform you to add this and evaluate because there is a huge cost difference between copper & aluminium.	As per Tender Document
8.		Every Equipment quoted in tender should be Tested by Government from NABL labs before supply as in various tenders, manufacturers have provided demo and supplied other machine. Hence to avoid this Product should be tested by relevant agencies both pre and post-delivery to ensure the quote product has been delivered.	As per Tender Document

Sl. No.	Tender Clause	Bidder's Representation / Amendment Requested	Clarification / Amendment, if any
9.	Technical Specifications for Deep Freezer	Please add Verification protocol : E003/FZ01-VP.2 Please add PQS standard : E003/FZ01.2 Please add "Should have horizontal water cool pack covering the top of the basket in the chest type equipment. In case of Front opening equipment appropriate provision to reduce cooling loss at the time of the door opening".	As per Tender Document
	Schedule 4: Deep Freezer (Small)		
1.	Section IV- Qualification Criteria 4) The manufacturer of Equipment's must have supplied at least 40% of the quoted quantity of same or similar item in last 02 financial years i.e. in financial year 2024-25 and 2025-26 including the current financial year till date of Tender Opening. Note: For the purpose of this tender, similar item shall mean item of any size, capacity, configuration or variant corresponding to the respective items specified in Table of NIT	4) The manufacturer of Equipment's must have supplied at least 30% of the quoted quantity of same or similar item in last 05 financial years. Note: For the purpose of this tender, "similar item" shall mean any type of Cold Chain Equipment, irrespective of size, capacity, configuration, or variant.	As per Amendment No-7
2.	8) Copies of the audited Annual reports including the Balance Sheet and Profit and Loss Account for the last three years i.e., 2023-24, 2024-25 and 2025-26.	Copies of the audited Annual Reports including the Balance Sheet and Profit & Loss Account for FY 2023-24 and FY 2024-25, along with the Provisional Balance Sheet and Profit & Loss Account for FY 2025-26 (duly certified by the Authorized Signatory/Chartered Accountant, if the audit is not yet completed).	As per Amendment-no 7
3.		We hereby request you to allow an Authorized Distributor / Channel Partner to quote on behalf of OEM.	As per Tender Document
4.	Past Supply Experience: The manufacturer of Equipments must have supplied at least 40% of the quoted quantity of the same or similar item during the last two (02) financial years i.e. F.Y. 2024-25 and F.Y. 2025-26 including the current financial year till the date of Tender Opening.	We propose to increase it to minimum 50% so that reputed manufacturers should qualify for this prestigious tender.	As per Amendment No-7
5.	Inspection required (By Empanelled Inspection Authority / Agencies Pre-Registered with GeM)	Inspection required (By Empanelled Inspection Authority / Agencies Pre-Registered with GeM) is "No". This should be made "Yes"	As per Tender Document
6.	OEM Average Turnover (Last 3 years) (Pg. No. 3:GEM Tender Document)	OEM Average Turnover (Last 3 years): 20 lakhs which is very less and not the right parameter to judge OEM as it can lead to substandard equipment procurement. Hence, we request to raise this OEM Average Turnover (Last 3 Years) to 20-50 Crore (as per total tender value).	As per Amendment No-7
7.	Pg 90 point no. 3.5	Product specifications it's only mentioned Pure Copper (Pg 90 point no 3.5) similarly all across in Ice Lined Refrigerator & Deep Freezer it should be clearly mentioned 99.99% copper as there are manufacturers providing aluminium with copper paint and taking undue advantage. Hence, we inform you to add this and evaluate because there is a huge cost difference between copper & aluminium.	As per Tender Document
8.		Every Equipment quoted in tender should be Tested by Government from NABL labs before supply as in various tenders,	As per Tender Document

		manufacturers have provided demo and supplied other machine. Hence to avoid this Product should be tested by relevant agencies both pre and post-delivery to ensure the quote product has been delivered.	
9.	Technical Specifications for Deep Freezer	Please add Verification protocol : E003/FZ01-VP.2 Please add PQS standard : E003/FZ01.2 Please add "Should have horizontal water cool pack covering the top of the basket in the chest type equipment. In case of Front opening equipment appropriate provision to reduce cooling loss at the time of the door opening".	As per Tender Document
10.	Clarification on Small Deep Freezer: The tender specifies the Gross Capacity of the Small Deep Freezer as 105–125 litres	We kindly request clarification on whether bidders offering a model with a higher gross capacity than the specified range will also be considered eligible, provided all other technical specifications are fully complied with	As per Amendment-no 7
	Schedule 05: Walk In Cooler (WICs) - 40 CuM		**Based on the pre-bid queries /representations the technical specification of each schedule has been revised and placed at Annexure -1 of Amendments-7**
	Schedule 06: :Walk In Cooler (WICs) - 32 CuM		
	Schedule 07: Walk In Cooler (WICs) - 16.5 CuM		
	Schedule 08: Walk In Freezer (WIFs) - 32 CuM		
	Schedule 09: Walk In Freezer (WIFs)- 20 CuM		
	Schedule 10: Voltage Stabilizer (Normal) (150v-280v)		
1.	pg. 96 & pg. 98 Point. No 3.7(a) Transformer copper wound on CRGO lamination for high efficiency and low cost -	Can we use Toroidal (round) transformer using CRGO sheets / lamination in copper wound for high efficiency and low cost.	As per Tender Document
2.	Point No 3.12: LED indication should be provided for the status of "Mains ON" , "Output ON", "High Cut Off" & "Low Cut Off".	Can we use dual color single LED to represent High cut off & low cutoff with proper marking and labelling or we need to use separate LED for high cut off & low cut off	As per Tender Document
3.	Point no 3.3: Overload protection at input, automatic cut-off time between 2-4 seconds of Under voltage/Over voltage cut off at output.	Since MCB is used at input as per point 3.8, hence overload protection at input is taken care of. Do we need to deploy another device for overload protection at input. If you require additional device can that protection be based on thermal (heating due to overload).	As per Tender Document
4.	Point 3.7 (b) Voltmeter (Digital/Analog) with selector switch to indicate input and output voltage with off-position.	If we provide Digital voltmeter do we still require to have selector switch for input / output / Off	As per Tender Document
5.		I presume that we require lead wire / cable wire for input to stabilizer, Please specify the specification of the wire, its length and is TOP plug required… If yes Top plug Capacity of 15A with ISI mark or Non ISI mark.	As per Amendment-no 7
6.	Section-IV- Qualification Criteria, Pt. No. 8, Pg. No. 58	Since audit report of FY 2025-26 is yet not available, can we submit Audited B/s of FY 22-23, 23-24, 24-25	As per Amendment-no 7
7.	Section-IV- Qualification Criteria, Pt. No. 5, Pg. No. 57	We do dealer and OEM billing, can we arrange performance certificate from Dealer also or customer certificate is mandatory for all 5 nos.	As per Tender Document
8.	Section-IV- Qualification Criteria, Pt. No. 1, Pg. No. 57	Since CDSCO is not applicable on us (electrical product), can we attach factory licence as issued from MCD or Udyam registration Certificate or Factory licence as issued by Chief inspector of factories.	As per Amendment No-7

9.	Section IV- Qualification Criteria 4) The manufacturer of Equipment's must have supplied at least 40% of the quoted quantity of same or similar item in last 02 financial years i.e. in financial year 2024-25 and 2025-26 including the current financial year till date of Tender Opening. Note: For the purpose of this tender, similar item shall mean item of any size, capacity, configuration or variant corresponding to the respective items specified in Table of NIT	4) The manufacturer of Equipment's must have supplied at least 30% of the quoted quantity of same or similar item in last 05 financial years. Note: For the purpose of this tender, "similar item" shall mean any type of Cold Chain Equipment, irrespective of size, capacity, configuration, or variant.	As per Amendment No-7
10.	8) Copies of the audited Annual reports including the Balance Sheet and Profit and Loss Account for the last three years i.e., 2023-24, 2024-25 and 2025-26.	Copies of the audited Annual Reports including the Balance Sheet and Profit & Loss Account for FY 2023-24 and FY 2024-25, along with the Provisional Balance Sheet and Profit & Loss Account for FY 2025-26 (duly certified by the Authorized Signatory/Chartered Accountant, if the audit is not yet completed).	As per Amendment-no 7
	Schedule 11: Voltage Stabilizer (Low) (100v-280v)		
1.	Section IV- Qualification Criteria 4) The manufacturer of Equipment's must have supplied at least 40% of the quoted quantity of same or similar item in last 02 financial years i.e. in financial year 2024-25 and 2025-26 including the current financial year till date of Tender Opening. Note: For the purpose of this tender, similar item shall mean item of any size, capacity, configuration or variant corresponding to the respective items specified in Table of NIT	4) The manufacturer of Equipment's must have supplied at least 30% of the quoted quantity of same or similar item in last 05 financial years. Note: For the purpose of this tender, "similar item" shall mean any type of Cold Chain Equipment, irrespective of size, capacity, configuration, or variant.	As per Amendment No-7
2.	8) Copies of the audited Annual reports including the Balance Sheet and Profit and Loss Account for the last three years i.e., 2023-24, 2024-25 and 2025-26.	Copies of the audited Annual Reports including the Balance Sheet and Profit & Loss Account for FY 2023-24 and FY 2024-25, along with the Provisional Balance Sheet and Profit & Loss Account for FY 2025-26 (duly certified by the Authorized Signatory/Chartered Accountant, if the audit is not yet completed).	As per Amendment-no 7
3	Section-IV- Qualification Criteria, Pt. No. 1, Pg. No. 57	Since CDSCO is not applicable on us (electrical product), can we attach factory licence as issued from MCD or Udyam registration Certificate or Factory licence as issued by Chief inspector of factories.	As per Amendment No-7
	Schedule 12: Vaccine Carriers (with 4 ice packs)		
1.	Section IV- Qualification Criteria Point No 1:- The manufacturer License from CDSCO is required	A vaccine carrier is classified as passive cold chain equipment rather than a regulated medical device. Therefore, we request you to please remove CDSCO and ISO 13485 (Both are for Medical Devices Manufacturer) requirement.	Comments are being sought from QA Division CMSS.
2.	4) Vaccine carriers, Icepacks and stem alcohol thermometer The manufacturer of Equipment's must have supplied at least 40% of the quoted quantity of same or similar item in last 02 financial years i.e. in financial year 2024-25 and 2025-26 including the current financial year till date of Tender Opening.	The manufacturer of Equipment's must have supplied atleast 50 quantity of items in past two years.	As per Amendment No-7
3.	8) Copies of the audited Annual reports including the Balance Sheet and Profit and Loss Account for the last three years i.e., 2023-24, 2024-25 and 2025-26.	Copies of the audited Annual Reports including the Balance Sheet and Profit & Loss Account for FY 2023-24 and FY 2024-25, along with the Provisional Balance Sheet and Profit & Loss Account for FY 2025-26 (duly certified by the Authorized	As per Amendment-no 7

		Signatory/Chartered Accountant, if the audit is not yet completed).	
4.	Page No. 52 Ref. ITB Section Point No. ITB 5.2.1 The bidder must quote the schedule with warranty as given below:	There is no warranty period mentioned for Schedules XII-XIV. Request you to clarify the warranty period for these schedules.	As per Amendment-no 7
	Page No. 239 of 278, under the Technical Specifications vaccine carrier, Clause 3.8: "Each vaccine carrier shall contain ice packs as per Indian Standards 17589:2021 or IVHO PQS Performance specification, 8005/IP0l.2 (or latest),	We respectfully submit that the specification currently provides compliance with either Indian Standard IS 17589:2021 / 19106:2025 or WHO PQS Standard (WHO/PQS/E03/RF03.6 or latest) WHO Product verifications protocol E004/vc 01.2. Since these refrigerators are intended for the storage of vaccines under the Universal Immunization Programme, we believe that WHO PQS certification should be made mandatory rather than optional.	As per Tender Document
5.	Page No. 57 Section-IV- Qualification Criteria Point No. 1 The manufacturers must have Manufacturing License from CDSCO. In case of Sch. No. 10 & 11 the bidder must submit the 'manufacturing license' or 'certification' from concerned Authority.	To be deleted	Comments are being sought from QA Division CMSS.
6.	Page No. 57 Section-IV- QUALIFICATION CRITERIA Point No. 4 The manufacturing of Equipments must have supplied at least 40% of the quoted quantity of same or similar item in last 02 financial years i.e. in financial year 2024-25 and 2025-26 including the current financial year till date of Tender Opening.	To be deleted	As per Amendment No-7
7.	CDSCO Registration Certificate	Vaccine carriers and Ice packs are non-medical passive cold chain devices and are not regulated under CDSCO. Kindly delete or clarify that CDSCO registration is not applicable for Vaccine Carriers and Ice packs	Comments are being sought from QA Division CMSS.
8.	Past Experience-40% of the quoted quantity of same or similar item in last 02 financial years.	Kindly consider past supply experience of the last five (5)n financial years. Post COVID, procurement jedc quantities have reduced significantly during the last two to three years, making a shorter period restrictive. Additionally we wish to inform you that large quantities are procured by MOH against tenders, noting that last purchases were made by CMSSO in the year 2019. Hence we request you to kindly consider last 5 financial years. Further for item no. 12- Vaccine carriers, please inform if past supply order copies of vaccine cold boxes will be accepted to prove the eligibility past performance criteria.	As per Amendment No-7
9.		The clause on unconditional replacement is not feasible. Warranty should cover manufacturing defects/material/workmanship under normal use only, and exclude misuse, mishandling and accidental damage. Warranty clause can be mentioned as "Warranty as per WHO standards".	As per Tender Document

10.	Warranty	Secondly the warranty period is not mentioned for item no. 12 and 13, Vaccine carrier and Icepacks, at pg. 52 of the tender documents. We request you to kindly specify the same. As per WHO specifications, the warranty period is 2 years from the date of supply for these items.	As per Amendment No-7
11.	Document Upload	Please provide additional document upload space/capacity on the GeM portal as a large number of technical and commercial documents are required. Each tab accepts only 100 pages with a limit of 10mb to each file. Bidders are asked to submit eway bill with invoice copy etc for past performance criteria. These are bulky documents of more than 2000 pages per item! Additionally if bidders are quoting for more than one item, there are huge documents required to be submitted. Also note that the last 2 to 3 F.Y Balance sheets asked in the tender, each balance sheet itself contain 300 pages. There are only 9 tabs provided to upload documents on gem portal for this tender with a limit of each uploaded file being only10 mb. Further each tab will accept only 100 pages. In this scenario, we request you to kindly consider multiple email submission of documents. It is not possible to submit these many documents on Gem portal due to the space constraints.	As per Tender Document
12.	Self Certification that the item offered meets the local content requirement for 'Class-I Local Supplier'/'Class-II Local Supplier'.	Supplier' shall be required to provide a certificate, in the prescribed format, from the statutory auditor or cost auditor of the company (in the case of companies). Here please allow Chartered accountant certification also. Hence please amend the tender to mention Chartered accountant certification OR statutory auditor OR cost auditor of the company.	As per Tender Document
13.	Delivery Period	Kindly specify goods readiness within 90 days from the date of LOI, followed by 30 days for dispatch after successful inspection, totaling to 120 days for each tranche. Also permit partial inspections as goods become ready.	As per Tender Document
14.	Hard copy submission	Pl. inform whether hard copies of all the uploaded documents of both the Technical and Financial bid is required to be submitted, or only the EMD envelop has to be delivered.	Original EMD has to be submitted.
15.	BDS ITB 9.2.2.	It is mentioned that Price schedule has to be submitted as a pdf sheet. Does this mean that a hard copy has to be submitted? In gem portal there is no option to upload any pdf document in the price bid tab.	Price bid has to be submitted online.
16.	EMD amount	Pl clarify the EMD amount. There is a difference in the EMD amount mentioned against ITB 9.4 and that mentioned in the NIT page. Also the format of EMD BG is not provided in the tender document.	As per Tender Document
17.	Pre-delivery Inspection	Please let us know whether the pre-delivery inspection charges will be in the scope of the bidder or the Purchaser.	As per Tender Document
18.	Tech specifications – Vaccine carrier, pt. no. 5.1 and Ice packs.	It is mentioned equipment should confirm to IS 19099:2025 or latest. Please note that specifications applicable to Vaccine carriers	As per Amendment No-7

		are of WHO. Hence amend this point to mention that product must comply as per the latest WHO specifications and verification protocol.	
19.	NABL 17025 certificate.	For vaccine carrier and Ice packs – These are tested from WHO approved NABL labs. Please confirm if the NABL 17025 certificate of the testing lab has to be submitted.	As per Tender Document
20.	Packing	Pl. let us know about the packaging –Simple carton's with sticker should serve. Blister packing is not applicable on these cartons.	As per Tender Document
22.	Inspection certificate	Please elaborate exactly which document is required to be submitted.	Please refer Section VIII GCC 7.1.4 of Tender Document
23.	Page No. 239 of 278, under the Technical Specifications vaccine carrier, Clause 3.8: "Each vaccine carrier shall contain ice packs as per Indian Standards 17589:2021 or IVHO PQS Performance specification, 8005/IP0l.2 (or latest),	We respectfully submit that the specification currently provides compliance with either Indian Standard IS 17589:2021 / 19106:2025 or WHO PQS Standard (WHO/PQS/E03/RF03.6 or latest) WHO Product verifications protocol E004/vc 01.2. Since these refrigerators are intended for the storage of vaccines under the Universal Immunization Programme, we believe that WHO PQS certification should be made mandatory rather than optional.	As per Tender Document
24	Section IV- Qualification Criteria, Point No 1 :- The manufacturer License from CDSCO is required. Point No 2:- The quoted equipment shall be manufactured at a site complaint with ISO 13485 issued by accredited agency	It is our humble request to remove these two mandatory requirements for a wider and WHO -PQS approved product participation.	As per Amendment No-7
	Schedule 13: Ice Packs (0.3ltr)		
1.	Section IV- Qualification Criteria Point No 1:- The manufacturer License from CDSCO is required	A vaccine carrier is classified as passive cold chain equipment rather than a regulated medical device. Therefore, we request you to please remove CDSCO and ISO 13485 (Both are for Medical Devices Manufacturer) requirement.	As per Amendment No-7
2.	4) Vaccine carriers, Icepacks and stem alcohol thermometer The manufacturer of Equipment's must have supplied at least 40% of the quoted quantity of same or similar item in last 02 financial years i.e. in financial year 2024-25 and 2025-26 including the current financial year till date of Tender Opening.	The manufacturer of Equipment's must have supplied atleast 50 quantity of items in past two years.	As per Amendment No-7
3.	8) Copies of the audited Annual reports including the Balance Sheet and Profit and Loss Account for the last three years i.e., 2023-24, 2024-25 and 2025-26.	Copies of the audited Annual Reports including the Balance Sheet and Profit & Loss Account for FY 2023-24 and FY 2024-25, along with the Provisional Balance Sheet and Profit & Loss Account for FY 2025-26 (duly certified by the Authorized Signatory/Chartered Accountant, if the audit is not yet completed).	As per Amendment No-7
4.	Section VI: Technical Specifications and Quality Assurance Ice pack 0.3 water content 0.3 litres	Ice pack 0.3/04 water content 0.3/0.4 litres	As per Tender Document
5.	Ice pack 0.3 Litres	0.3 liter: 162*90*32±2mm 0.4 liter: 163*94*34±2mm	As per Tender Document
6.	Page No. 52 Ref. ITB Section Point No. ITB 5.2.1	There is no warranty period mentioned for Schedules XII-XIV. Request you to clarify the warranty period for these schedules.	As per Amendment No-7

	The bidder must quote the schedule with warrant y as given below:		
7.	Page No. 57 Section-IV- Qualification Criteria Po int No. 1 The manufacturers must have Manufacturing Lic ense from CDSCO. In case of Sch. No. 10 & 11 t he bidder must submit the 'manufacturing license ' or 'certification' from concerned Authority.	To be deleted	As per Amendment No-7
8.	Page No. 57 Section-IV- QUALIFICATION CRI TERIA Point No. 4 The manufacturing of Equipments must have sup plied at least 40% of the quoted quantity of same or similar item in last 02 financial years i.e. in fin ancial year 2024-25 and 2025-26 including the c urrent financial year till date of Tender Opening.	To be deleted	As per Amendment No-7
9.	CDSCO Registration Certificate	Vaccine carriers and Ice packs are non-med ical passive cold chain devices and are not r egulated under CDSCO. Kindly delete or cl arify that CDSCO registration is not applic able for Vaccine Carriers and Ice packs	As per Amendment No-7
10.	Past Experience-40% of the quoted quantity of sa me or similar item in last 02 financial years.	Kindly consider past supply experience of t he last five (5)n financial years. Post COVI D, procurement quantities have reduced sig nificantly during the last two to three years, making a shorter period restrictive. Additio nally we wish to inform you that large quan tities are procured by MOH against tenders , noting that last purchases were made by C MSSO in the year 2019. Hence we request you to kindly consider last 5 financial years . Further for item no. 12- Vaccine carriers, p lease inform if past supply order copies of v accine cold boxes will be accepted to prove the eligibility past performance criteria.	As per Amendment No-7
11.	Warranty	The clause on unconditional replacement is not feasible. Warranty should cover manufa cturing defects/material/workmanship unde r normal use only, and exclude misuse, mis handling and accidental damage. Warranty clause can be mentioned as "Warranty as p er WHO standards". Secondly the warranty period is not mentio ned for item no. 12 and 13, Vaccine carrier and Icepacks, at pg. 52 of the tender docum ents. We request you to kindly specify the s ame. As per WHO specifications, the warra nty period is 2 years from the date of suppl y for these items.	As per Amendment No-7
12.	Document Upload	Please provide additional document upload space/capacity on the GeM portal as a large number of technical and commercial docum ents are required. Each tab accepts only 10 0 pages with a limit of 10mb to each file. Bidders are asked to submit eway bill with i nvoice copy etc for past performance criteri a. These are bulky documents of more than	As per Tender Document

		2000 pages per item! Additionally if bidders are quoting for more than one item, there are huge documents required to be submitted. Also note that the last 2 to 3 F.Y Balance sheets asked in the tender, each balance sheet itself contain 300 pages. There are only 9 tabs provided to upload documents on gem portal for this tender with a limit of each uploaded file being only10 mb. Further each tab will accept only 100 pages. In this scenario, we request you to kindly consider multiple email submission of documents. It is not possible to submit these many documents on Gem portal due to the space constraints.	
13.	Self Certification that the item offered meets the local content requirement for 'Class-I Local Supplier'/'Class-II Local Supplier'.	Supplier' shall be required to provide a certificate, in the prescribed format, from the statutory auditor or cost auditor of the company (in the case of companies). Here please allow Chartered accountant certification also. Hence please amend the tender to mention Chartered accountant certification OR statutory auditor OR cost auditor of the company.	As per Tender Document
14.	Delivery Period	Kindly specify goods readiness within 90 days from the date of LOI, followed by 30 days for dispatch after successful inspection, totaling to 120 days for each tranche. Also permit partial inspections as goods become ready.	As per Tender Document
15.	Hard copy submission	Pl. inform whether hard copies of all the uploaded documents of both the Technical and Financial bid is required to be submitted, or only the EMD envelop has to be delivered.	Original EMD is to be submitted.
16.	BDS ITB 9.2.2.	It is mentioned that Price schedule has to be submitted as a pdf sheet. Does this mean that a hard copy has to be submitted? In gem portal there is no option to upload any pdf document in the price bid tab.	As per Tender Document
17.	EMD amount	Pl clarify the EMD amount. There is a difference in the EMD amount mentioned against ITB 9.4 and that mentioned in the NIT page. Also the format of EMD BG is not provided in the tender document.	As per Tender Document
18.	Pre-delivery Inspection	Please let us know whether the pre-delivery inspection charges will be in the scope of the bidder or the Purchaser.	As per Tender Document
19.	Tech specifications – Vaccine carrier, pt. no. 5.1 and Ice packs.	It is mentioned equipment should confirm to IS 19099:2025 or latest. Please note that specifications applicable to Vaccine carriers are of WHO. Hence amend this point to mention that product must comply as per the latest WHO specifications and verification protocol.	As per Amendment No-7
20.	NABL 17025 certificate.	For vaccine carrier and Ice packs – These are tested from WHO approved NABL labs. Please confirm if the NABL 17025 certificate of the testing lab has to be submitted.	As per Tender Document
21.	Packing	Pl. let us know about the packaging –Simple carton's with sticker should serve. Blister packing is not applicable on these cartons.	As per Tender Document
22.	Inspection certificate	Please elaborate exactly which document is required to be submitted.	Please refer Section VIII GCC 7.1.4 of Tender Document

23.	Section IV- Qualification Criteria, Point No 1 :- The manufacturer License from CDSCO is required. Point No 2:- The quoted equipment shall be manufactured at a site complaint with ISO 13485 issued by accredited agency	It is our humble request to remove these two mandatory requirements for a wider and WHO -PQS approved product participation .	As per Amendment No-7
24.	Clause 8.2 Maximum thickness when frozen solid & laid flat shall not exceed unfrozen thickness by more than 10%.	https://extranet.who.int/prequal/sites/default/files/document_files/PQS_E005_Waterpack_IP01-VP.3%5B2%5D%20FINAL.pdf Product verification protocol: E005/IP01-VP.3 Specification reference: E005/IP01.3 Issue date: 21.05.2010 Date of last revision: 16.12.2019 Pg 5 , 5.3 Test procedure : (Annex 1 is the excerpt from the test procedure) 5.3.3 - Test 3: Frozen water-pack thickness and adhesion test. Acceptance criteria: Increase in sample thickness due to swelling does not exceed the measured dimensions from Test 2 by more than 25% for any of the samples. Thickness of each of the thawed samples equals the measured thickness of the same sample from Test 2 (±1.0mm). Water-packs do not adhere to one another significantly when frozen."	As per Amendment No-7

Schedule 14: Stem Alcohol Thermometer

1.	4) Vaccine carriers, Icepacks and stem alcohol thermometer The manufacturer of Equipment's must have supplied at least 40% of the quoted quantity of same or similar item in last 02 financial years i.e. in financial year 2024-25 and 2025-26 including the current financial year till date of Tender Opening.	The manufacturer of Equipment's must have supplied atleast 50 quantity of items in past two years.	As per Amendment-7
2.	8) Copies of the audited Annual reports including the Balance Sheet and Profit and Loss Account for the last three years i.e., 2023-24, 2024-25 and 2025-26.	Copies of the audited Annual Reports including the Balance Sheet and Profit & Loss Account for FY 2023-24 and FY 2024-25, along with the Provisional Balance Sheet and Profit & Loss Account for FY 2025-26 (duly certified by the Authorized Signatory/Chartered Accountant, if the audit is not yet completed).	As per Amendment-7
3.	ITB 3.4 : Eligibility of Distributors/ Agents/ Resellers Unless otherwise stipulated in Bid Data Sheet, only manufacturers of the quoted items are authorized to participate in this bid. Distributors/ Agents/Resellers are not eligible to bid.	We request your office to clarify whether Authorised Distributors are allowed to participate or NOT.	As per Tender Document
4.	Clause 3 of Section VI Qualification Criteria Self declaration of Non Conviction	This item is Medical device & is covered under Drug & Cosmetic Act & MDR. Hence Non Conviction Certificate should be asked from State Licensing Authority in place of self-declaration.	As per Tender Document
5.	clause no 1 of Section VI Qualification Criteria	The manufacturers must have Manufacturing License from CDSCO. Pl ask license for Sch No 14 from State Licensing Authority as this is Medical Device.	As per Amendment No-7
6.	Clause 4 of Qualification Criteria The manufacturer of equipment must have supplied atleast 40% of the quoted quantity of same or similar item in last 02 financial years	In this ref pl note that Stem Alcohol Thermometer was developed by us in 2004, Since 2004 its procurement is being made by MOH&FW in intervals of almost 04 years First procurement in 2004 by HSCC (I) Ltd, Second	As per Amendment-7

	i.e. financial year 2024-25 and 2025-26 including the current financial year till the date of Tender Opening.	procurement by MOH& FW probably in 2008. Third procurement was made by HLL in 2012, Fourth procurement was made by HLL in 2017 Fifth procurement was made by CMSS in 2021. As this is not regularly procurement, we request your office to accept the experience of supply of 40% of the Stem Alcohol Thermometer in any one of above mentioned year in place of 2024-25 & 2025-26 as after 2021 -there was no such procurement of this item.	
7.	clause 9	There is no need of any service centre in states as thís item does not require any maintenance, if anything goes wrong, simply it has to be replaced.	As per Tender Document
8.	Technical Specification: Casing Specification, Non Corridble Sealed mechanism	In this ref we would like to draw your kind attention we had made thermometer in round casing which has passed the field trial at various places in India that after passing the field trial of this thermometer in 2004, we were given sample & we were directed to manufacture in this shape which had been supplied since 2024 till 2017. In 2021 one bidder supplied this thermometer which is not fully sealed & is open from back. We are showing you the photo. Cost of Sealed mechanism thermometer is different from open thermometer. We request your office to clarify which thermometer would you like to buy whether fully sealed OR the one opened from the back side because there are financial implications in the cost of both thermometers. In order to bring all the bidders on level playing field -Pl clarify the point.	As per Tender Document
9.	Delivery Locations	Kindly delete the locations such as Lakshdeep (06 Pcs), Andman & Nicobar (23 Pcs), Goa (25 Pcs), Dadara Nagar haveli (58 Pcs), Daman & Diu (30 Pcs), Ladakh. It is not practically possible to deliver at these locations as cost of delivery is so high which you cannot believe & moreover there are chances of misplacements. For the last ten years we are searching 100 Pcs of Stem Thermometers sent through Speed Post in J & K whose complaints are lodged in MOH&FW, Nirman Bhawan, N.Delhi. Kindvert these quantities in their GMSD.	As per Amendment-07
10.	ISO 13485/ISO requirement	Kindly clarify whether ISO 9001:2015 certification shall also be accepted for Schedule-14 (Alcohol Stem Thermometer), as it is a non-electrical liquid-in-glass thermometer intended for laboratory/industrial use and not a medical device for clinical diagnosis. ISO 9001:2015 is the applicable quality management standard for such products.	As per Amendment No-7
11.	Manufacturing License/CDSCO License	Kindly clarify the applicable requirement regarding the submission of a Manufacturing Licence/CDSCO License for Alcohol Stem Thermometer under this tender. As per our understanding, the Alcohol Stem Thermometer being offered is a non-clinical, liquid-in-glass thermometer intended exclusively for laboratory, industrial, scientific, and general temperature measurement applications. It is not intended for measuring human body temperature , diagnosis, treatment, monitoring or prevention of any disease or medical condition.	As per Amendment No-7

		Accordingly, such a product does not fall within the scope of a medical device regulated under the Medical Devices Rules 2017, and therefore a CDSCO Manufacturing Licence is generally not applicable for its manufacture and supply. In view of the above, we request to kindly confirm that, in lieu of a CDSCO Manufacturing Licence, compliance may be demonstrated through the submission of the following documents, as applicable: ISO 9001:2015 Quality Management System Certification of the manufacturer. Valid Calibration Certificate issued by a NABL-accredited Laboratory (wherever required under the tender specifications). Manufacturer's Declaration/Undertaking confirming Product Technical Specifications, Test Reports, and other quality documents as stipulated in the tender. Kindly confirm that submission of the above documents shall be considered sufficient to establish technical and regulatory compliance.	
12.	Past Supply Experience: The manufacturer of Equipments must have supplied at least 40% of the quoted quantity of the same or similar item during the last two (02) financial years i.e. F.Y. 2024-25 and F.Y. 2025-26 including the current financial year till the date of Tender Opening.	It is requiested that the past supply experience criteria may kindly be considered for the last four (04) financial years instead of only the last two (02) financial years. Many experienced manufacturers have successfully executed similar supplies in the r4ecent past but may not have executed comparable quantities during the last two financial years due to project cycles and procurement patterns. Extending the experience period to the last four financial years will encourage wider participation from capable manufacturers, enhance healthy competition and ensure better value for the procuring authority without compromising quality or technical capability.	As per Amendment-07
13.	Payment Terms: Payment after acceptance of material	Kindly confirm the payment timeline after acceptance of the material by the consignee.	As per Tender Document
14.	PDI: Pre-Dispatch Inspection	Kindly clarify whether there is any minimum quantity requirement for conducting PDI. Can PDI be caried out for a lot of 500 units, or is there any prescribed minimum batch size for inspection.	As per Tender Document
15.	Calibration-NABL	Kindly clarify whether the Calibration Certificate is required for each individual unit, for each lot supplied, or only one time for the complete supply /order.	As per Amendment No-7
16.	Similar Item	Kindly define "Similar Item" for Schedule-14. Whether Alcohol Laboratory Thermometers, Refrigerator Thermometers, Temperature meters and other Liquid-in-Glass Thermometers shall be treated as similar items.	As per Amendment-07
General Queries			
1.		1. Inspection of manufacturing facilities 2. Details of raw material purchases for the last three financial years. 3. Audited balance sheets, profit and loss accounts, and turnover certificates for the last three financial years.	As per Tender Document

		4. A detailed production process flow chart indicating the manufacturing process and production capacity. 5. Demo of same quoted model	
2.		Please also arrange and extend the due date of Tender up to 17-Aug-2026.	As per Tender Document
4.	Submission of E-Way Bills under Past Performance Criteria	The tender requires submission of E-Way Bills for past performance. Since supplies over the last two years were made through numerous invoices, often in small quantities, arranging the E-Way Bill corresponding to each invoice is extremely difficult. We request that an alternative documentary proof, such as GST Invoice or other acceptable documents, be permitted to establish past performance	As per Tender Document
5.	Submission of Audit Report for FY 2025–26.	The audited financial statements and Audit Report for FY 2025–26 are expected to be finalized only in September 2026. We request clarification on whether the Audit Report for FY 2024–25 may be submitted for the present tender, or whether submission of the latest available audited financial statements will be considered acceptable	As per amendment-7
6.	Clarification on Point No. 5 (Page No. 57) – Satisfactory Performance Certificate Clarification	Need clarification on statement "At least following numbers of "Quoted item" (same model as has been quoted in the present tender) must be in successful operation in India for at least 01 year on the date of Bid Opening. Satisfactory performance certificate from the user demonstrating successful operation of the equipment for 01 year must be submitted along with bid".	As per Tender Document
7.	Clarification on EMD Exemption for OEMs with Turnover Above Rs 500 Crore	We request clarification regarding the applicability of EMD exemption in this tender. Since the tender is being floated through the GeM portal, and as per GeM provisions, OEMs having an annual turnover of more than ₹500 crore are eligible for exemption from submission of Earnest Money Deposit (EMD). Kindly clarify whether the same EMD exemption is applicable for this tender as well, and whether eligible OEMs are exempted from submitting the EMD	As per Tender Document
8.	Manufacturing Facility Verification - Part of Technical Evaluation	Before opening of the Price Bid, it should be mandatory for the purchaser or its authorized representative to conduct a Pre-Dispatch Manufacturing Facility Verification of the successful bidder as part of the Technical Evaluation stage. The inspection must verify that: The bidder is an actual manufacturer with adequate in-house infrastructure, production facilities, testing equipment, skilled manpower, and quality control processes. Key raw materials are procured and available, and critical manufacturing processes are in place. The bidder is genuinely manufacturing the offered product and is not merely sourcing finished products or undertaking trading/assembly from third-party manufacturers. The Price Bid of only those bidders should be opened who qualify satisfactorily in the Manufacturing Facility Verification.	As per Tender Document

9.	CDSCO Certificate	As per Medical Devices Rules, 2017, manufacturers/importers who have submitted a valid application in Form MD-3/MD-5 to CDSCO and possess the acknowledgement are permitted to manufacture/import the device pending grant of license. Insisting only on a final CDSCO license at the bid stage excludes compliant manufacturers who are in the advanced stages of certification. This is also in line with directives issued by various state procurement agencies to encourage Make in India and avoid monopolistic situations. We therefore request that the clause be revised to: "The bidder should submit valid CDSCO certification, or proof of application in Form MD-3/MD-5 with acknowledgement from CDSCO, along with the technical bid.	As per Amendment No-7
10.	Pricing	2.1 As GEM has only 1 input for giving final price, this may not be the most economical method. We suggest to open pricing inputs per location and per item. This will eventually help to reduce overall costs and give accurate costing for final place of delivery item wise, location wise 1) Will you be able to add price input option per item, per location. 2.2 With respect to delivery in Andaman Nicobar Islands, we have spoken to various transporters who have confirmed that they have delivery service to A&N islands however, if there is a formality for consignee receipt in a custom format that they will not be able to provide. Only airway bill can be stamped and provided. Can you make an exception for just 1 location for Proof of delivery?	As per Tender Document
11.	Performance Criteria	We request that exports also be considered under the past performance criteria. Blowkings has been manufacturing and supplying WHO-PQS prequalified cold chain equipment since the 1980s and has established a strong global reputation for consistently delivering high-quality products. As vaccine carriers and ice packs are products covered under the WHO-PQS program and are procured globally by organizations such as WHO and UNICEF, export supplies of these products are made against internationally recognized WHO-PQS specifications. The tender itself also specifies a requirement for WHO-prequalified products, making export performance directly relevant to the technical and quality requirements of this procurement. Accordingly, we request that the past performance criterion be revised as follows: Past Performance Required: Supply of at least 40% of the bid quantity in any one of the last three financial years to Central Government/State Government/PSUs, including exports to UN and its agencies. Considering export supplies under this criterion would appropriately recognize manufacturers	As per Tender Document

		with proven experience in supplying WHO-PQS-compliant products to global procurement agencies, demonstrating adherence to internationally accepted quality standards and consistent product performance.	
12.	EMD	Please clarify if EMD exemption is valid for MSME	As per Tender Document
13.	Format of Insurance Surety Bond	7B - Format of Insurance Surety Bond for Earnest Money Deposit - please clarify what this is? Insurance company does not give any surety bond	As per Tender Document
		This is with reference to the above-mentioned tender for the procurement of Ice Lined Refrigerator (ILR). It has been observed that the supporting documents required for demonstrating prior supply experience currently allow submission of order copies for similar medical devices. Since "Same or Similar Category Products" is a broad category, this may lead to participation by bidders who do not possess specific experience in supplying Ice Lined Refrigerators, kindly note that ILRs being a highly specialized and technical cold chain equipment with distinct performance and compliance requirements, especially Freeze free cooling technology and holdover time retention features make it unique and distinct, it can never be compared with any other or similar items, hence In the interest of ensuring that only technically competent and experienced bidders participate, we kindly request that:	As per Amendment-7
15.		a) the tender requirement be revised to specify that bidders should submit order copies and performance certificate exclusively for the supply of Ice Lined Refrigerators (ILRs), instead of similar medical devices,	As per Tender Document
16.		b. the demonstration of the product should be made must for technically qualified bidders, this will ensure only quality product gets selected.	As per Tender Document
17.		c) CDSCO certification may be made compulsory to ensure that the product meets highest Indian quality Standard for medical equipment	As per Amendment No-7

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Joint Director (Procurement)

`CENTRAL MEDICAL SERVICES SOCIETY
(An Autonomous Society Under Ministry of Health & Family Welfare, Govt. of India)
2nd Floor, Vishwa Yuvak Kendra, Pt. Uma Shankar Marg, Teen Murti Marg,
Chankayapuri, New Delhi-110021
Phone: 011-21410905, 21410906
Website: www.cmss.gov.in,

Amendment No. 7

Date :- 23.10.2026

Tender No.: Tender NO. CMSS/PROC/2026-27/UIP/019 Dated. 14.07.2026

Tender Title: Procurement of Electrical and Non-Electrical Cold Chain Equipment for Universal Immunization Program (UIP)

A. Following are the amendments made in the subject tender document: -

Sl. No.	Tender Clause	To be read or Amendment as
1.	The manufacturer of Equipment's must have supplied at least 40% of the quoted quantity of same or similar item in last 02 financial years i.e. in financial year 2024-25 and 2025-26 including the current financial year till date of Tender Opening. Note: For the purpose of this tender, similar item shall mean item of any size, capacity, configuration or variant corresponding to the respective items specified in Table of NIT	The manufacturer of Equipment's must have supplied at least 40% of the quoted quantity of same or similar item in last 05 financial years i.e. from financial year 2021-22 ,22-23,23-24 ,24-25 and 2025-26 including the current financial year till date of Tender Opening. Note: For the purpose of this tender, similar item shall mean item of any size, capacity, configuration or variant corresponding to the respective items specified in Table of NIT
2.	Copies of the audited Annual reports including the Balance Sheet and Profit and Loss Account for the last three years i.e., 2023-24, 2024-25 and 2025-26.	Copies of the audited Annual reports including the Balance Sheet and Profit and Loss Account for the last three years i.e., 2022-23, 2023-24 and 2024-25 or 2023-24, 2024-25 and 2025-26.
3.	Warranty	**Schedule** / **Warranty** Sch. 1-9 / 5 Years Sch. 10-14 / 2 Years
	Schedule 4: Deep Freezer (Small)	
4	Clarification on Small Deep Freezer: The tender specifies the Gross Capacity of the Small Deep Freezer as 105–125 litres	The Gross Capacity of the Small Deep Freezer as 105–150 litres
5	Schedule 05: Walk In Cooler (WICs) - 40 CuM	**Based on the pre-bid queries /representation the technical**
6	Schedule 06: :Walk In Cooler (WICs) - 32 CuM	
7	Schedule 07: Walk In Cooler (WICs) - 16.5 CuM	

8	Schedule 08: Walk In Freezer (WIFs) - 32 CuM	**specification has been revised and placed Annexure -1 of Amendments-7**
9	Schedule 09: Walk In Freezer (WIFs)- 20 CuM	
	Schedule 10: Voltage Stabilizer (Normal) (150v-280v)	
10	Following point added in Technical Specification: Lead wire / cable wire for input to stabilizer.	Specification of Lead Wire (As per IS 8448): Minimum length –Wire should be 1.5 meter with a 3-pin plug on input side. Top Plug should be of 15 A With ISI mark.
11	Section-IV- Qualification Criteria, Pt. No. 1, Pg. No. 57 In case of Sch. no 10 & 11 the bidder must submit the 'manufacturing license' or 'certification' from concerned Authority.	Original Equipment Manufacturer (OEM) shall submit a self-declaration on their letter-head, confirming that they are regular in manufacturing & supplying of same items and compliance with the prescribed technical specification, as asked in this tender for the last three (03) years as on date of tender opening.
	Schedule 11: Voltage Stabilizer (Low) (100v-280v)	
12	Section-IV- Qualification Criteria, Pt. No. 1, Pg. No. 57 In case of Sch. no 10 & 11 the bidder must submit the 'manufacturing license' or 'certification' from concerned Authority.	Original Equipment Manufacturer (OEM) shall submit a self-declaration on their letter-head, confirming that they are regular in manufacturing & supplying of same items and compliance with the prescribed technical specification, as asked in this tender for the last three (03) years as on date of tender opening.
	Schedule 12: Vaccine Carriers (with 4 ice packs)	
13	Section IV- Qualification Criteria Point No 1:- The manufacturers must have Manufacturing License from CDSCO,	Original Equipment Manufacturer (OEM) shall submit a self-declaration on their letter-head, confirming that they are regular in manufacturing & supplying of same items and compliance with the prescribed technical specification, as asked in this tender for the last three (03) years as on date of tender opening.
14	The quoted equipment shall be manufactured at a site complaint with ISO 13485 issued by accredited agency	The quoted equipment shall be manufactured at a site complaint with ISO/IEC certification whichever applicable issued by accredited agency.
15	5.1. The equipment should conform to Indian Standards 19099:2025 (or latest). The equipment should be tested as per Indian Standard 19099:2025 or WHO Product Verifications Protocol E004/VC 01.2 (or latest) for Vaccine Carriers and E005/IP01-VP.3 (or latest) for Ice Packs.	5.1. The equipment should conform to Indian Standards 19099:2025 (or latest). The equipment should be tested as per Indian Standard 19099:2025 or WHO Product Verifications Protocol E004/VC 01.2 (or latest) for Vaccine Carriers and E005/IP01-VP.3 (or latest) for Ice Packs.

		Also, Product must comply with the latest WHO PQS specification.
	Schedule 13: Ice Packs (0.3ltr)	
16	Section IV- Qualification Criteria Point No 1:- The manufacturers must have Manufacturing License from CDSCO,	Original Equipment Manufacturer (OEM) shall submit a self-declaration on their l etter-head, confirming that they are regul ar in manufacturing & supplying of same items and compliance with the prescribed technical specification, as asked in this te nder for the last three (03) years as on dat e of tender opening.
17	The quoted equipment shall be manufactured at a s ite complaint with ISO 13485 issued by accredited agency	The quoted equipment shall be manufact ured at a site complaint with ISO/IEC cer tification whichever applicable issued by accredited agency.
	Schedule 14: Stem Alcohol Thermometer	
18	The manufacturer of Equipment's must have supplied at least 40% of the quoted quantity of same or similar item in last 02 financial years i.e. in financial year 2024-25 and 2025-26 including the current financial year till date of Tender Opening. Note: For the purpose of this tender, similar item shall mean item of any size, capacity, configuration or variant corresponding to the respective items specified in Table of NIT	The manufacturer of Equipment's must have supplied at least 40% of the quoted quantity of same or similar item in last 05 financial years i.e. from financial year 2021-22 ,22-23,23-24 ,24-25 and 2025-26 including the current financial year till date of Tender Opening. Note: For the purpose of this tender, similar item shall same item as per Schedule.
19	Section IV- Qualification Criteria Point No 1:- The manufacturers must have Manufacturing License from CDSCO,	Original Equipment Manufacturer (OEM) shall submit a self-declaration on their letter-head, confirming that they are regular in manufacturing & supplying of same items and compliance with the prescribed technical specification, as asked in this tender for the last three (03) years as on date of tender opening.
20	The quoted equipment shall be manufactured at a site complaint with ISO 13485 issued by accredited agency	The quoted equipment shall be manufactured at a site complaint with ISO/IEC certification whichever applicable issued by accredited agency.
21	Calibration-NABL	A calibration certificate shall be required for each and every unit, along with the relevant metrological traceability certificates, in accordance with the applicable NABL guidelines.
22	Delivery Locations	As per Annexure-II

B. The Tender Timelines Revised are as under: -

Description	**Schedule**
Tender Download, Bid Submission along with original Documents End Date, and Time	16.11.2026 up to 03.00 PM
Technical Bid Opening Date and Time	17.11.2026 At 04.00 PM

C. **Apart from above, all other terms & conditions of the tender document remain unchanged.**

-sd-

Joint Director (Procurement)

Annexure- I

Technical Specifications for Walk-in-Cooler

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° C to +8° C
		1.2	Typical gross internal volume should be 16.5 CBM/ 32 CBM/ 40 CBM
2	**Operational Requirements**	2.1	To be constructed of prefabricated, modular complete with floor and ceiling panels, mounted on a flat, solid concrete base. ***Note:*** *"Concrete base of 200 mm is under the scope of purchaser, however providing the insulated base for WIC", either in the form of prefabricated floor panel or layered structured" will be sole responsibility & under the scope of bidder.*
		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.
		2.7	Depending upon the internal room layout and the room location, refrigeration units may be one of the following types: • Wall-mounted with the condenser unit discharging inside the building that houses the cold room (mono-block 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° C to +8° C adjustable (i) during 45° C continuous ambient (ii) 32° C continuous ambient (iii) +45° C /+05° C day/night cycling temperatures

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Clause	Description	Sub-clause	Technical Particulars
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 air-tightness.
		3.2.7	Roof panels with an overall length of 6 meters or less must be self-supporting.
		3.2.8	Modular panel-Easily assembled and dissembled.
		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: PUF with minimum thickness of 100 mm
		3.3.3	**Density**: not less than 40 ±2 kg/m^3 *(**Note:** Subject to the submission of lab certification)*
		3.3.4	Thermal conductivity of 0.17 w/mk 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/mK 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 Aluminum checker plate.
		3.4.4	The floor should be capable to support load of 1500 kg/m2.
		3.4.5	Concrete floors must be designed and constructed to allow Shallow ramped access entry to the cold room

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Clause	Description	Sub-clause	Technical Particulars
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 doorway.
		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 vapor-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 kW to 4 kW compressor for 16.5 CBM to 20 CBM Walk-in-Cooler and 5.5 kW to 6.0 kW compressor for 32 CBM to 40 CBM 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° C
		3.7.7	In case of a split system, the condensing Unit should be mounted in a weatherproof enclosure with proper canopy to get protection from rain and hard weather and prevent any vandalism or injury to people upon accidental access.
		3.7.8	Condensing unit (s) to comprise compressor with: (a) Forced air condenser, (b) Oil level glass, (c) Oil separator, (d) liquid receiver to carry full charge, (e) Filter/dryer with flare connections, (f) Isolating stop valves. (g) Fixed high and low pressure dial gauges. (h) Fitted with high and low pressure cut-outs, (i) Time-operated electric defrost control (j) It should have run hour meter. (k) Where cold climate freeze prevention is specified provide a low temperature protection system to prevent the temperature protection system to prevent the temperature of the cold room dropping below +2°C under low ambient conditions.

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Clause	Description	Sub-clause	Technical Particulars
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 ± 0.5°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 complying with PQS E006/TR03.2 (or latest) 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 vapor pressure dial thermometer complying with PQS E006/TH02.2 (or latest), 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/AL01.1 (or latest) or with E006/TRO3.1 (or latest)
		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 (d) Probe failure alarm
		4.3.5	It should have back-up battery for control its panel

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Clause	Description	Sub-clause	Technical Particulars
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 a minimum 900 mm 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/cm2.
		6.8	The top face of the lowest shelf must be mounted 200 mm above the floor.
		6.9	Shelving must be washable.
7	**Environmental factors**	**7.1**	The unit shall be capable of operating continuously in ambient temperature of +5° C to +45°C and relative humidity of 95%
8	**Installation:**	**8.1**	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 Gen set and WIC. The installation and commissioning should be done by supplier
9	**Power Supply**	**9.1**	Power input: 220-240/ 50HZ, AC single Phase or 380-400 V AC, 50 HZ three phase.
		9.2	Fitted with ISI marked, 15 ampere, Indian M-plugs and sockets.
		9.3	Diesel Generating set of 15 KVA should be supplied as per specifications enclosed (**ANNEXURE-1**)
		9.4	Suitable automatic voltage regulator/stabilizer meeting IS 9815, IEC 60335-1 & IEC 60364-1 specifications should be supplied. Broad Specifications are as enclosed **(ANNEXURE-2)**
		9.5	Voltage regulator should have capacity to take load of both refrigeration units (main as well as standby).

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Clause	Description	Sub-clause	Technical Particulars
10	Standards, Safety and Training	10.1	Electrical and refrigeration components and the panels should have:
		10.2	National or international approvals like UL, IEC 60335 -12006
		10.3	Safety of household & similar electrical appliances. / IEC 60364-1,/ ISO 20282-1:2006
		10.4	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.
		10.5	All operational and maintenance training by trained personal of manufacturer to the end users after successful installation and commissioning.
11	Warrantee:	11.1	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 at the time of handover.
		11.2	Provide commitment and quote for Comprehensive Maintenance Contract (CMC) for 5 years after the 5 years of completion of warranty.
		11.3	Guarantee for availability of spares for 15 years after warrantee.
12	After Sales Service	12.1	Should have State / regional authorized service facility.
		12.2	The service provider should have the necessary equipment's and spares recommended by the manufacturer to carry out preventive maintenance and repair as per guidelines provided in the service/maintenance manual.
13	On-site maintenance	13.1	All minor repairs should be attended to and completed within 24 hours of the intimation.
		13.2	Any major break down (e.g. compressor failure, gas leakage and control paned burn-out) must be attended to and put back into functional condition within seven days following first intimation.
		13.3	If both refrigeration system have failed, at least one refrigeration system must be repaired or replaced within 24 hrs.
14	Documentation Certification and Manuals	14.1	Test certificate of inspection should be submitted at the time of prototype inspection as per Protocol WHO/PQS/E001/CR-FRO1-VP2.4 (or latest) from an independent laboratory approved /recognized by WHO/NABL/STQC lab is essential, submitted at the time of prototype inspection.
		14.2	Certificate of tendered item from an independent laboratory approved/recognized by WHO/ NABL/ STQC Labs is essential and is required to be submitted at the time of tender and delivery.
		14.3	List of important spare parts and accessories with their part number and costing.

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Clause	Description	Sub-clause	Technical Particulars
15	Installation instructions	15.1	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.
		15.2	The manual must be supplied in triplicate - one copy for the employer, one for the installer and one for the maintenance contractor.
		15.3	Installation should be as per indicative drawing
16	Service instructions	16.1	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.
		16.2	The manual must be supplied in duplicate - one copy for the employer and one for the maintenance contractor.
17	User instructions	17.1	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.
		17.2	The manual must be supplied in duplicate - one copy for the employer and one for the maintenance contractor.
		17.3	Log book with instruction for daily, weekly, monthly and quarterly maintenance checklist.
18	Post commissioning certifications	18.1	Test certificate of inspection for all test, as per WHO quality Assurance Protocol WHO/PQS/E001/CR-FRO1- VP2.4 (or latest) of cold room from an independent laboratory approved /recognized by WHO/ NABL/ STQC lab to be submitted along with Final Acceptance Certificate.

Er. Vivek Mudgal,
Health Officer
(Cold Chain), UNICEF

Dr. Ashish Chauhan,
Immunization
Specialist, UNICEF.

Mr. Govind
Singh,
Technical Officer-
Consultant, Imm,
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Mr. Satya Prakash
Mishra,
Senior Consultant
(Immunization), MoHFW

Er. Anjaney Shahi,
Lead Consultant, NHSRC

Er. Shivley Sageer,
Training Coordinator, NCCVMRC

Mr. Pravin,
Senior Statistical Officer
(Immunization), MoHFW

Dr. Pawan Kumar
Additional Commissioner
(Immunization), MoHFW

Dr. Minati Acharjya,
DDG (P), DGHS
(Chairperson, TSC)

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Technical Specifications for Walk-in-Freezer

Clause	Description	Sub-clause	Technical Particulars
1	**Description of Function and capacity**	1.1	Walk in Freezer Rooms are required to store for long term duration of large quantity of vaccines at a temperature between (-)25° C to (-)15° C. when measured under any loading condition between empty and full and over the full ambient temperature range of the required temperature zone
		1.2	Typical gross internal volume should be 20 CBM/ 32 CBM/ 40 CBM
2	**Operational Requirements**	2.1	To be constructed of prefabricated, modular complete with floor and ceiling panels, mounted on a flat, solid concrete base. ***Note:*** *"Concrete base of 200 mm is under the scope of purchaser, however providing the insulated base for WIF", either in the form of prefabricated floor panel or layered structured" will be sole responsibility & under the scope of bidder.*
		2.2	The freezer 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.
		2.7	Depending upon the internal room layout and the room location, refrigeration units may be one of the following types: • Wall-mounted with the condenser unit discharging inside the building that houses the freezer room (mono-block 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).

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Clause	Description	Sub-clause	Technical Particulars
3	**Technical Specifications**		
3.1	**Internal Temperature**	**3.1.1**	(-)25° C to (-)15° C adjustable (i) during 45° C continuous ambient (ii) 32° C continuous ambient (iii) +45 ° C /+05° C day/night cycling temperatures
3.2	**Storage Temperature**	**3.2.1**	Storage temperature to be maintained at -20° C ±5° C continuously, control by thermostat on each refrigeration unit.
3.3	**Panels**	**3.3.1**	Wall and roof panel skins can be made from stainless steel of Grade 304
		3.3.2	**Outer and Inner Panels:** Powder coated, made of galvanized steel panels, double wall having minimum thickness 22 SWG each.
		3.3.3	Panels must be fully insulated and without internal structural members or stiffeners between the skins.
		3.3.4	Tongued and grooved joints between panels must be designed to minimize cold-bridging.
		3.3.5	Gaskets must be resistant to damage from oil, fats, water and detergents.
		3.3.6	After assembly, all joints must be mastic sealed on the interior side to ensure air-tightness.
		3.3.7	Roof panels with an overall length of 6 meters or less must be self-supporting.
		3.3.8	Modular panel-Easily assembled and dissembled.
		3.3.9	Double action cam-lock assembly/panel interlocking, for perfect seal.
		3.3.10	No screws or panel cover strips.
		3.3.11	Have airtight seals between condensing unit and wall.
		3.3.12	Have airtight seals around all pipe and cable penetrations through wall and/or roof panels.
		3.3.13	The room should be fitted with a pressure release vent, which should open and allows enough outside air to enter and rebalance any pressure difference.
3.4	**Insulation**	**3.4.1**	CFC-Free Urethane foam or extruded polystyrene foam core bonded sandwiched between two galvanized steel sheets.
		3.4.2	**Minimum thickness:** 100 mm
		3.4.3	**Density:** not less than 40 ±2 kg/m^3 *(**Note:** Subject to the submission of lab certification)*
		3.4.4	Thermal conductivity of 0.17 w/mk or better for hot zone climate.
		3.4.5	Thermal insulation foaming agents: Any gas complying with limitations and deadlines set by the Montreal Protocol on the elimination of ozone-depleting chemicals.

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Clause	Description	Sub-clause	Technical Particulars
3.5	Flooring	3.5.1	Base - 1st layer: 75 mm thick cement concrete (dimensions suitable to the size of freezer room)
		3.5.2	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/mK or better. • 250-micron polythene vapor barrier. • Reinforced granolithic concrete topping trowel led smooth.
		3.5.3	3rd layer of 6mm (minimum) non-slip finish Aluminum checker plate.
		3.5.4	The floor should be capable to support load of 1500 kg/m^2.
		3.5.5	Concrete floors must be designed and constructed to allow Shallow ramped access entry to the freezer room.
3.6	Door	3.6.1	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
		3.6.2	Plastic curtains on the doorway.
		3.6.3	Door should be flush type with kick plate at bottom and fitted with door closer.
		3.6.4	Examination Window (View port).
		3.6.5	Seal closer mechanism which cushions the closing movement of the door, shuts the door silently and keeps it seal-closed preventing loss of cooling.
		3.6.6	Door Heater: Shall be provided to prevent condensation/icing on the door and ensure proper door operation under low-temperature conditions.
		3.6.7	An incandescent vapor-proof light mounted on the interior of the vaccine chamber.
		3.6.8	Dimensions: 34" to 40" (W) x72" to 80" (H).
		3.6.8	Additional alarm switch to be fitted inside the freezer room close to the door latch.
3.7	Lighting	3.7.1	Internal ceiling-mounted low energy fluorescent or LED luminaries with an external switch with pilot light.
		3.7.2	The external light and light switch must be fixed to the wall of the freezer room enclosure near to the entrance door.
		3.7.3	The minimum illumination level on the vertical face of the lowest shelves must be 150 lux.
		3.7.4	The lighting should be evenly distributed inside the freezer room.
3.8	Refrigeration System	3.8.1	Dual Refrigeration system (100% standby)
		3.8.2	The refrigeration system should have 3.5 kW to 4 kW compressor for 16.5 CBM to 20 CBM Walk-in-Freezers and 5.5 kW to 6.0 kW compressor for 32 CBM to 40 CBM Walk-in-Freezers.
		3.8.3	Cooled refrigeration units, preferably Mono-block type.
		3.8.4	Automating defrosting (electric or hot gas)
		3.8.5	CFC-free refrigerant.
		3.8.6	Tropicalized units suitable for ambient temperature up to +45° C.

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Clause	Description	Sub-clause	Technical Particulars
		3.8.7	In case of a split system, the condensing Unit should be mounted in a weatherproof enclosure with proper canopy to get protection from rain and hard weather and prevent any vandalism or injury to people upon accidental access.
		3.8.8	Condensing unit (s) to comprise compressor with: (a) Forced air condenser, (b) Oil level glass, (c) Oil separator, (d) liquid receiver to carry full charge, (e) Filter/dryer with flare connections, (f) Isolating stop valves. (g) Fixed high and low pressure dial gauges. (h) Fitted with high and low pressure cut-outs, (i) Time-operated electric defrost control (j) It should have run hour meter.
3.9	Evaporator	3.9.1	Evaporators to be forced air, wall or - ceiling-mounted units with a condenser unit discharging inside the building that houses the freezer room.
		3.9.2	There must be a timer operated electric defrosting system and a condensate drip tray and drain connection.
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 ± 0.5° C or better.
		4.1.3	All parts of the room designated for vaccine storage must remain between -25°C to -15°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 complying with PQS E006/TR03.1 (or latest) 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 vapor pressure dial thermometer complying with PQS E006/TH02.2 (or latest), mounted on the wall of the freezer room in an accessible position.

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Clause	Description	Sub-clause	Technical Particulars
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 freezer 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/AL01.1 (or latest) or with E006/TRO3.1 (or latest)
		4.3.3	Alarm sounders are to be located adjacent to the freezer 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 (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 (-) 20° C ±5° C continuously, control by thermostat on each refrigeration unit.
6	Shelves	6.1	Freezer 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 a minimum 900 mm 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 0.075 kg/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
7	Environmental factors	7.1	The unit shall be capable of operating continuously in ambient temperature of +5° C to +45°C and relative humidity of 95%
8	Installation	8.1	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, g) Generator, including all civil, electrical as per CPCB guidelines and

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			h) All other related work required for installation as per WHO PQS and guidelines. i) Separate earthing must be provided respectively for Genset and WIF
9	**Power Supply**	**9.1**	Power input: 220-240 V/50 HZ AC single Phase or 380-400 V AC 50 HZ, Three phase.
		9.2	Fitted with ISI marked, 15 ampere, Indian M-plugs and sockets.
		9.3	Diesel Generating set of 15 KVA should be supplied as per specifications enclosed (ANNEXURE-1)
		9.4	Suitable automatic voltage regulator/stabilizer meeting IS 9815, IEC 60335-1 & IEC 60364-1 specifications should be supplied. Broad Specifications are as enclosed **(ANNEXURE-2)**
		9.5	Voltage regulator should have capacity to take load of both refrigeration units (main as well as standby).
10	**Standards, Safety and Training**	**10.1**	Electrical and refrigeration components and the panels should have:
		10.2	National or international approvals like UL, IEC 60335 -1 2006
		10.3	Safety of household & similar electrical appliances/ IEC 60364-1,/ ISO 20282-1:2006
		10.4	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.
		10.5	All operational and maintenance training by trained personal of manufacturer to the end users after successful installation and commissioning
11	**Warrantee**	**11.1**	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 at the time of handover.
		11.2	Provide commitment and quote for Comprehensive Maintenance Contract (CMC) for 5 years after the 5 years of completion of warranty
		11.3	Guarantee for availability of spares for 15 years' after Warrantee
12	**After Sales Service**	**12.1**	Should have State/ regional authorized service facility
		12.2	The service provider should have the necessary equipment and spares recommended by the manufacturer to carry out preventive maintenance and repair as per guidelines provided in the service/maintenance manual
13	**On-site Maintenance**	**13.1**	All minor repairs should be attended to and completed within 24 hours of the intimation
		13.2	Any major break down (e.g. compressor failure, gas leakage, and control paned burn-out) must be attended to and put back into functional condition within seven days following first intimation.
		13.3	If both refrigeration system have failed, at least one refrigeration system must be repaired or replaced within 24 hrs.

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Clause	Description	Sub-clause	Technical Particulars
14	**Documentation: Certification and Manual**	**14.1**	Test certificate of inspection should be submitted at the time of prototype inspection as per Protocol WHO/PQS/E001/CR-FRO1-VP2.4 (or latest) from an independent laboratory approved /recognized by WHO/NABL/STQC lab is essential, submitted at the time of prototype inspection.
		14.2	Certificate of tendered item from an independent laboratory approved/recognized by WHO/ NABL/ STQC Labs is essential and is required to be submitted at the time of tender and delivery.
		14.3	List of important spare parts and accessories with their part number and costing.
15	**Installation Instructions**	**15.1**	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
		15.2	The manual must be supplied in triplicate - one copy for the employer, one for the installer and one for the maintenance contractor
		15.3	Installation should be as per indicative drawing
16	**Service instructions**	**16.1**	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
		16.2	The manual must be supplied in duplicate - one copy for the employer and one for the maintenance contractor
17	**User instructions**	**17.1**	Provide a comprehensive, illustrated maintenance manual suitable for the user and covering all aspects of safe operation and routine non-specialist maintenance of the freezer room
		17.2	The manual must be supplied in duplicate - one copy for the employer and one for the maintenance contractor
		17.3	Log book with instruction for daily, weekly, monthly and quarterly maintenance checklist

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Clause	Description	Sub-clause	Technical Particulars
18	**Post Commissioning certifications**	**18.1**	Test certificate of inspection for all test, as per WHO quality Assurance Protocol WHO/PQS/E001/CR-FRO1- VP2.4 (or latest) of freezer room from an independent laboratory approved /recognized by WHO/ NABL/ STQC lab to be submitted along with Final Acceptance Certificate.

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ANNEXURE-1

Diesel Generating set

1. Description of Function and capacity:

1.1. The cold room are typically connected to a standby DG set as a power backup

1.2. It should be automatically switched ON as soon as there is grid power failure and switched OFF as soon as the grid power is returned back

1.3. The capacity of the DG set should be as per the para no. 10.3 of technical specifications of WIC

2. Detailed Specification for alternator, diesel engine and Automatic Mains Failure (AMF) control panels:

2.1. Alternator:

2.1.1. The Alternator shall be self-excited and self-regulated of specified KVA rating in single/three phase at 240/415 Volt, 50 Hz, 1500 RPM and 0.8 power factor (PF) and shall conform to IS:13364 (Part 1):1992 (reaffirmed 2003) (or latest). The alternators shall be of brush less type with VG-1 Grade or better grade of voltage regulation.

2.1.2. The alternators shall be screen-protected drip proof with Minimum I P-21 degree of protection as per l S: 4691/85 or latest. The class of insulation of the Alternator would be 'H'. The rated voltage of Alternator will be 240V for single phase & 415V for three phase.

2.2. Diesel Engine (Naturally Aspirated):

2.2.1. Diesel Engine shall be air or water cooled as specified, electric start developing required B.H.P at 1500 RPM with Class A-2 Governing or better for alternator to deliver specified continuous KVA output at 0.8 pf LAG at NTP conditions (all rating shall be tested at 0.8 PF lag). The Diesel Engine should be capable of providing 10% overload for one hour for every 11 hours continuous running at full load.

2.2.2. Naturally aspirated engines of rating up to and including 20KW shall be ISI MARKED as per IS:10001/1981 (re-affirmed 2006)(or latest).

2.2.3. The specific fuel consumption of engine shall be as per IS specification

2.2.4. The Diesel Engine shall be complete with the following accessories:

2.2.4.1. Fuel tank with capacity for 24 hours continuous running at full load

2.2.4.2. Engine instrument Panel consisting of starting switch with Key, Lube Oil temperature and pressure gauges, (water temperature gauge in case of water cooled engines), RPM indicator and hour meter

2.2.4.3. Safety controls to shut down the engine in the event of low lube oil pressure or high cylinder head temperature of air-cooled engines or high water temperature in case of water-cooled engines

2.2.4.4. Radiators in case of water-cooled engines

2.2.4.5. Exhaust silencer of Residential type

2.2.4.6. 12V starting system complete with starter motor, charging alternator and Cut-out

2.2.4.7. Lead Acid Battery or maintenance free battery of suitable ratings with connecting cables and the battery/ies shall conform to relevant IS Specification.

File No. Y-11011/01/2017-Imm (Computer No. 3109037)
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2.2.4.8. Standard set of tools required for service and maintenance of the DG set shall be provided to the consignees along with each DG set.

3. AMF Control Panel:

3.1. Automatic mains failure (AMF) control panel shall start up the DG set and take the load in case of the mains failure without requiring any human intervention.

3.2. Similarly, on return of mains supply, the AMF control unit shall transfer the load back to mains supply and switch off the DG set automatically

3.3. The AMF panel shall be enclosure with the IP-53 degree of protection confirming to IS/IEC 60947 (Pt-1)/2004 or latest, fabricated from minimum 1.5 mm thick steel sheet duly pre-treated and aesthetically finished

3.4. The AMF Control Panel shall have the following components:

3.4.1. Microprocessor based relay with composite meter for digital display / components:

3.4.1.1. Generator voltage/AC Mains voltage
3.4.1.2. Generator Current
3.4.1.3. Power Factor
3.4.1.4. Frequency
3.4.1.5. Energy
3.4.1.6. Three attempts engine start/engine cranking relay
3.4.1.7. On -delay timer for load change over
3.4.1.8. On-delay timer for engine shut off
3.4.1.9. Over current relay
3.4.1.10. Mode selector switch for setting the panel on any one position such as off or auto or manual or test
3.4.1.11. Engine On-Off switch (Push button type)
3.4.1.12. MCCB of suitable rating shall be provided
3.4.1.13. Rectangular aluminum bus bars (one number for each phase, neutral and earthing terminal) of adequate ratings duly colour coded with heat shrinkable PVC sleeves
3.4.1.14. Two contactors of suitable rating (one for DG set & one for AC mains) with over load relay
3.4.1.15. Under-voltage relay for mains
3.4.1.16. Battery charger complete with voltage regulator, float or booster selector switch, on-off switch, voltmeter and ammeter for charging the battery from mains. (This will be in addition to the battery charging alternator fitted on the engine)

4. Instrument & Control Fuses:

4.1. Five number indicating lamps to indicate 'mains ON', 'load on mains', 'set running', 'load on set' and 'battery charger on'

4.2. Audio visual alarm for: 'Low lubricating oil pressure', 'High water temperature'(for water cooled), 'High cylinder head temperature'(for air cooled)

4.3. Start failure' and 'DG over load'

4.4. Any other switch, instrument, relay or contactor etc. essential for smooth and trouble free functioning of DG set with AMF panel. (To be specified by the tenderers in their offer with complete details of the item).

File No. Y-11011/01/2017-Imm (Computer No. 3109037)
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5. Type test certificate:

Supplier shall furnish complete & satisfactory Type Test Certificate (TTC) for engines, alternators complete with enclosure to be used by them for EACH rating of DG sets clearly indicating make, model and ratings of the DG sets tested at the time of registration and pre-dispatch inspection.

5.1. The Type Test Certificate (TTC) of three phase alternators shall cover 'unbalanced load test' as per c1.24 of IS: 13364 (part-1 or part-2)/1992 or latest as applicable. However, all the engine models /ratings shall need relevant certifications as per norms?

5.2. Either of the following types of TTC shall be acceptable:

5.3. Type Test Certificate issued by recognized Government Lab. Irrespective of whether engines and alternators were tested at firm 'slab or some other lab, but witnessed by Government representative.

5.4. Type Test Certificate issued by BIS, irrespective of engines and alternators were tested at firm's lab or some other lab, but witnessed by BIS/Government representative

5.5. Type Test Certificate issued by DQA on basis of test conducted at manufacturer's lab in presence of DQA officers

5.6. The testing of diesel generating sets for all ratings shall be done at 0.8PF

5.7. Testing shall be done at continuous power output for each rating

5.8. Necessary gauge/meters shall be fitted to indicate (a) the quantity of fuel left in the fuel tank, and hours of DG set operation.

6. DG Sets shall be provided with integrated acoustician closure which shall conform to norms of Central Pollution Control Board (CPCB)

6.1. The acoustic enclosure offered shall conform to the drawings type approved by Govt. lab, for conformity to noise norms. This aspect shall also be verified at the time of inspection.

6.2. DG sets shall meet the requirements of Environmental (Protection) Rules 1986 or latest as laid down by Ministry of Environment & Forests read with G SR371(E) dated 17.5.2002 or latest, G SR 520(E) dated 01.7.2003 or latest and No.448(E) dated 12.07.2004 or latest in respect of noise and emission norms. DG sets shall also meet all other statutory requirements as notified by Govt. from time to time.

7. Supplier shall furnish following documents issued by a Govt. authorized agency at the time of registration and pre-dispatch inspection:

7.1. Type approval certificate (TAC) for emission norms for each model/family of Engine

7.2. TAC from for noise level norms EACH model of DG set

7.3. COP for each model of DG set and engine used in DG set

8. Scope of supply shall include supply and commissioning of the complete DG set at the consignee's end but shall exclude installation and erection.

File No. Y-11011/01/2017-Imm (Computer No. 3109037)
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9. Documentation:

9.1 User's manual,
9.2 Service manual
9.3 List of minimum spares
9.4 Installation instruction

10 Warrantee:

10.1 Provide 5 years of warrantee with 5 years of CMC after completion of warranty.
10.2 Guarantee for availability of spares for 10 years after warrantee.

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ANNEXURE-2

Servo Voltage Stabilizer

1 Description and capacity of Equipment:

1.1 Voltage stabilization and surge protection is required for protect units against any shorter long voltage fluctuations.

1.2 The stabilizer should meet the requirements of the different electrical components of the cold room.

1.3 Capacity as per para 10.4 of specifications of cold room.

1.4 All the components used in the assembly of line voltage correctors shall conform to relevant IS specification.

1.5 Tenderers shall indicate make and specification of main components in their offer.

1.6 Servo Motor operated line voltage corrector is a safety/difficult item. As such, the firm registered with NSIC are required to get their capacity assessment report from the concerned DQA.

2 Specification:

2.1 Servo Motor operated automatic line voltage corrector's type, continuous duty, conforming to IS: 815 (Pt.1)/1994 (Reaffirmed 2004) or latest suitable for phase Voltage of 160-260 Volts.

2.2 Three phase line voltage correctors shall comprise of three single-phase line voltage correctors, conforming to IS: 9815 (Pt.1)/1994 (Reaffirmed 2004) or latest, connected in star and enclosed in a single enclosure with common control panel and shall be suitable for unbalance input voltage.

2.3 Rated output voltage shall be 240V for single phase LVC and 415V for three phase LCV respectively.

File No. Y-11011/01/2017-Imm (Computer No. 3109037)
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3 Documentation:

3.1 User's manual,

3.2 Service manual

3.3 List of minimum spares

3.4 Installation instruction

4 Warrantee:

4.1 Provide 5 years of warrantee with 5 years of CMC after completion of warranty.

4.2 Guarantee for availability of spares for 10 years after warrantee

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Annexure-II

Revised Consignee list of Non-Electrical CCE for States/UTs FY 2026 - 27

Sr. No.	State	Allocation of Non-Electrical CCEs			Consignee Address
		Vaccine Carriers (With 4 Ice Packs)	Ice Packs (0.3 litres)	Stem Alcohol Thermometer	
1	A & N Islands	219	1,235	-	Dy. Director of Health Services, Office of the Deputy Directorate of Health Services, Andaman and Nicobar Administration, Land Mark - Opposit Netaji stadium, Shri Vijay Puram-744 101. **Andaman Nicobar Island**. Contact: Dr. Avijit Roy, Deputy Director (Health) & SEPIO, Tel. 9474280024 Off.- 03192-232797, 03192-264214 (Cambalway). Email: dravijit@gmail.com, stateimmunizationofficer@gmail.com
2	Andhra Pradesh	9,975	-	1,783	State Vaccine Store, CHC Gannavaram Compound, Opp: TDP Party Office, Gannavaram - 01, Krishna District, PIN-521101. **Andhra Pradesh** Mr Devanandam Contact No. 9398312902, 7330733911, jdchichfwap@gmail.com
3	Arunachal Pradesh	1,995	19,000	501	State Immunization Officer, O/o. The Director of Family Welfare C-Sector, Naharlagun-791110 **Arunachal Pradesh**, Contact No. Mejjo Bagra - CCO - 7005826670, 9436256476 Email ID: riarunachal@gmail.com
4	Assam	39,900	34,356	940	Director of Health Services (FW), Assam Swasthya Bhawan, Hengrabari, Guwahati, Pin: 781036 **Assam**. Er. Biman Kusum Chaudhury (Cold Chain Officer) Contact: 9435401095 uipassam@gmail.com
5	Bihar	3,192	58,479	2,409	State Vaccine store Nalanda Medical College Campus Agam kuan, PATNA, **Bihar** PIN 800007 Er.ALOK KUMAR (phone no.8002900900) coldchainbihar@gmail.com, ribihar2013@gmail.com
6	Chhattisgarh	-	-	1,964	Central Drug Store, E- 68, Sadani Darbar Complex. Dhamtari Road, Raipur Chhattisgarh. 492001 **Chattisgarh.** Contact: Mr. Firoj Khan- Store Keeper-8889786792 8889786792fk@gmail.com, cghealth706@gmail.com immunizationcg@gmail.com
7	D & N Haveli	150	-	-	Primary Health Centre Masat, Behind Emami Company , Boratiyapada, Masat, Silvassa, **DNH & DD** Pincode: 396230 Contact Person - Divya Vihol Pharmacist - 74055 01175 rmncha-dnhdd@ddd.gov.in, dnhvccm@gmail.com
8	Delhi	1,995	3,040	1,391	SPO (Medical store), Directorate of Family Welfare, Medical store, State Vaccine Store, Rajiv gandhi Superspeciality Hospital, Utility Block- Tahirpur, **Delhi**- 110093. Achintya K Mondol - 9868401204 delhi.sepio@delhi.gov.in
9	Goa	100	-	-	Kadamba Transport Corporation Ltd, Central Workshop, Central Stores, Kadamba Depo Road, Porvorim - **Goa** - 403501 Mobile - 8698426977 Email - sepiogoa@hotmail.com, sfwbgoa@hotmail.com, fw-dhs.goa@nic.in
10	Gujarat	-	57,000	2,692	Regional Vaccine Store, Office of Regional Deputy Director, Ground Floor, NHM Bhawan, Civil Hospital Campus, Near Pathikashram Bus Stand, GANDHINAGAR-382012, **Gujarat** MR.IDRISH MANSURI:- 9825978399,9687630148 Email: rdd.health.gandhinagar@gmail.com pharma.health.rddgandhinagar@gmail.com
11	Haryana	1,756	8,360	1,002	SEPIO, Govt. Dispensary, Near Haryana model school, Sector 10, Panchkula, **Haryana** - 134109. Dr. V.S. Ahlawat (SEPIO), Mob-8168429732, 9468195073, dhs.ddmch@hry.nic.in

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Sr. No.	State	Allocation of Non-Electrical CCEs			Consignee Address
		Vaccine Carriers (With 4 Ice Packs)	Ice Packs (0.3 litres)	Stem Alcohol Thermometer	
12	Himachal Pradesh	499	-	996	State Cold Chain Officer, State Institute of Health & Family Welfare Campus & SVS Parimahal Shimla, **Himachal Pradesh**, Kasumpti, Shimla-171009. Contact Persons: Mr. R. K. Sharma, SCCO, 9418051424, rakeshsharmacco@gmail.com
13	Jammu & Kashmir	3,000	9,500	1,995	Directorate of Family Welfare MCH & Immunization, Barazulla Provincial Store Behind Bone and Joint Hospital, Srinagar, PIN - 190005 **Jammu and Kashmir** Mobile: 7006233944 & 94199998560 Email - dvskashmir@gmail.com
		2,985	-	-	Director Health Services, Jammu PIN - 180001 Jammu and Kashmir Contact Person - Sanjeev Kumar - 8803112103 Email ID - sanjeevkumarfwq36@gmail.com
14	Jharkhand	24,938	-	488	State Vaccine Store, GVI Campus, State RCH office, Tata Road Near Namkum Post office, PO & PS - Namkum Ranchi, **Jharkhand**, Pin : 834010, Mobile No. 9835327480, 99349 94416, E mail Id-- rijharkhand2022@gmail.com
15	Karnataka	43,510	1,50,355	6,794	State Vaccine Store, Central workshop, Magadi road, KHB colony, Siddiah Puranik road, Bangalore -560079, **Karnataka** Contact- Dr Rajani B.N. Contact: 9341228935,Dr. Chandra Mohan K.N. Contact number: 9448209121 Pharmacy officer Beena H.M 9663546816, Mail id ddimmkar@gmail.com / statevaccinestorekar@gmail.com
16	Kerala	3,086	15,200	1,711	Regional Vaccine Store, Red Cross Edapally Ernakulam PIN - 682024 **Karala** Contact Person: Sreejith S - 9947002500 email-rvsdmoekm@gmail.com
		2,500	-	-	Regional Family Welfare Store, Near H&FW Training Centre, Florican Hill Road, Malaparamba PO, Kozhikode PIN - 673009 **Karala** Contact Person - Manoj - 9048395105 Email ID: fwstorekozhikode@gmail.com
17	Ladakh	1,995	-	-	District Immunization Officer, CMO Office, Karzu, Leh, **Ladakh** Pin - 194101, Contact details: Mr. Stanzin Gylik, SIO, Leh, 9906015331 Mr. Shabir Hussain, Cold Chain Handler, 9906972360, dioleh2017@gmail.com, deputycmoleh@gmail.com
18	Madhya Pradesh	5,824	20,000	1,169	Joint Director (MCH), Public Health & FW, Kilol Park, Near Petrol Pump, Bhopal, **Madhya Pradesh**, Mobile - 9893471926/8989988526, Email - vipincoldchain@yahoo.com, jdimmunization@gmail.com
		3,328	-	-	Gwalior RDHS (SVS) Regional Director Health Services, Regional Health and Family Welfare Training Center Campus, City Center, Gwalior District Gwalior-474002, **Madhya Pradesh**, Mr. Vijay, mob- 9993921324, (Regional JD's mob no. 9425196667), ddimmmp@gmail.com, rjdhealthgwamp@mp.nic.in,
		6,240	15,000	1,200	Indore RDHS (SVS), Regional Director Health Services, M.T.H. Compound, Near Indore Press Club, Indore District Indore- 452001, **Madhya Pradesh**, Manish Ghaghoria mob- 9425050335, ddimmmp@gmail.com, rjdhealthindmp@mp.nic.in, manishghanghoria@yahoo.com
		6,243	14,400	-	Jabalpur RDHS (SVS), Regional Director Health Services, Indra Market, Near Railway Station, Jabalpur District, Jabalpur- 482001, **Madhya Pradesh** Arun mobiya- 9424307215 rjdhealthjabmp@mp.nic.in, ddimmmp@gmail.com

Revised Consignee list of Non-Electrical CCE for States/UTs FY 2026 - 27

Sr. No.	State	Allocation of Non-Electrical CCEs			Consignee Address
		Vaccine Carriers (With 4 Ice Packs)	Ice Packs (0.3 litres)	Stem Alcohol Thermometer	
19	Maharashtra	26,109	86,272	5,018	State vaccine store, behind Pune railway station, Raja bahadur mill road, Pune station **(Maharashtra)** Pin 411001 (Tushar Deshmukh 7588072507) mahacoldchain1@gmail.com, ri.sfwb-pun@gov.in
20	Manipur	1,496	1,900	282	The Director, Family Welfare Services, Government of Manipur, Directorate of Family Welfare Services, Imphal - **Manipur**. Contact: Dr. Memcha, State EPI Officer, 8575508036, sepioman@gmail.com
21	Meghalaya	998	2,850	904	State Vaccine Store, Lawmali Road, Pasteur Hills, near Ganesh Das Hospital, Shillong 793002, **Meghalaya** Contact person Synsharlang - 8259056204, uipmeghalaya@gmail.com
22	Mizoram	998	950	231	Joint Director/ State Immunization Officer Directorate of Health Services, MINECO, Aizawl, **Mizoram**, Pin code : 796001 Contact : 9436156260 Email : sepiomz@yahoo.co.in
23	Nagaland	-	-	447	State Immunization Officer Directorate of Health & Family Welfare, Ruzeizou, Kohima, **Nagaland**- 797001. Contact Person: SEPIO Nagaland - 9612400095 email: nagalanduip1@gmail.com
24	Odisha	2,993	23,750	3,150	STATE HEALTH TRANSPORT ORGANISATION Directorate of Health & Family Welfare, Odisha Plot No. 88, Kharavel Nagar, (Near Smart Bazar),Bhubaneswar–751001, **Odisha**. Contact Person: Pabitra Kumar Routaray, Store I/C, Mobile: 9853515885/9439991187 Email IDs - svlmodisha2013@gmail.com/ immunizationodisha@gmail.com
25	Puducherry	50	190	198	Deputy Director(Immunizaton), Directorate of Health & Family Welfare Services Complex, Rue Victor Simonel, **Puducherry**. Contact person- Ms. Anancia, 6379131727, 0413-2229358, Alternate phone number 9842319878 email: ddimmpuducherry@gmail.com
26	Punjab	5,462	1,580	2,833	State EPI officer, Department of Health & Family Welfare, Offset press building, opposite Govt. High School, Sector 24-A, Chandigargh - 160023, **Punjab** Contact:Mr Sanjeev Kumar CCT - 81464 22766 ripunjab@gmail.com
27	Rajasthan	3,975	7,000	2,952	Sate Cold Chain Officer, Mini Swasthya Bhawan, Sethi Colony, Near Mental Hospital, Jaipur-302004, **Rajasthan** Mobile - 9828518610 Dr. Manisha Chaudhary 9413319643 sccoraj@gmail.com
		3,000	6,000	1,500	Swasthya Bhawan Badi, Udaipur 313011 **Rajasthan** Dr Rakesh Gupta -9602381250, Email - rcho-uda-rj@nic.in
		3,000	6,000	1,500	Old CMHO Office , Jhalamand , Near New HighCourt , Jodhpur 342001 **Rajasthan** Dr Rupender Pal Singh RCHO 8875314925, Email - rcho-jod-rj@nic.in
28	Tamil Nadu	23,386	95,000	5,247	The Joint Director (Immunization) & Of Public Health &State Epi Officer, Department Of Public Health & Preventive Medicine, 359, Anna Salai, Dms Compound, Teynampet, Chennai - 6 **Tamil Nadu** Contact:Contract: Er D GHOUSE BASHA CCO 8610815046, dgbasha@gmail.com

Revised Consignee list of Non-Electrical CCE for States/UTs FY 2026 - 27

Sr. No.	State	Allocation of Non-Electrical CCEs			Consignee Address
		Vaccine Carriers (With 4 Ice Packs)	Ice Packs (0.3 litres)	Stem Alcohol Thermometer	
29	Telagana	1,995	30,533	4,643	Cold Chain Officer, O/o Commissioner of Health & Family Welfare, **Telangana** State DM&HS, Campus Sultanabazar Koti Hyderabad-500095 Contact Person - G.Prabhakar, CCO, 9441275012, cco.ts.hyd@gmail.com.
30	Tripura	1,995	-	496	Director of Family Welfare, Directorate of Health Services, 2nd floor, Gorkha Basti, Pandit Nehru Complex, Govt. of **Tripura,** Agartala-799006., Contact person Dr. Biswajit Debbarma CCO 7005461833 & Mr. Biplab Bhowmik VLM 8974686251, vlmtripura@gmail.com
31	Uttar Pradesh	29,925	19,000	13,791	Additional Director,Medical Health & Family welfare Lucknow Division Lucknow Nadarganj Industrial Aria ,Near Power house Amausi Lucknow - **Uttar Pradesh** Contact Person Ajay Kumar -9336524791 statedrugstorelko@gmail.com
32	Uttarakhand	-	-	1,015	The Director Gerenal of Medical Health & Family Welfare, Dehradun, **Uttrakhand**. Contact: Dr. Kuldeep Singh Martolia (SEPIO), Mob:- +91 89587 92456 stateimmunization2022@gmail.com
33	West Bengal	54,863	1,42,500	2,864	Central Family Welfare Store, Bagbazar. 541-B Rabindra Sarani, Near Kumortoli, Kolkata-700003, **West Bengal** Contact No- Debojit Karmakar - 9062537236, Email - cfws.sfwb@gmail.com
Total supplies to the States/Uts		3,23,672	8,29,450	74,106	
1	GMSD Karnal	4,031	9,183	6,400	**I/C GMSD**/ Senior CMO(SAG)/The Chief Medical officer (NFSG)/ The ADG (MS)/ ADM/suprintendent, Government store Depot.Post.Box.No.8, Karnal -132001 Mobile - 9850068851 Email - gmsdkarnal.store111@gmail.com
2	GMSD Chennai	4,459	11,395	4,126	**I/C GMSD**/The Asst. Director, Deputy Assistant Directorate general, Government Medical Store Depot no. 37, Naval Hospital road, Periamet, **Chennai** - 600003 Mobile - 9840812159 & 9884865111 Email - gmsdchennai3@gmail.com
3	GMSD Kolkota	6,019	11,936	4,220	**I/C GMSD** , 9, Clyde Row Hastings, Government Medical Store Depot, **Kolkata**- 700022 Mobile - 9230601443 Email - gmsdkol@yahoo.com
4	GMSD Mumbai	2,526	10,141	4,160	**I/C GMSD**, Chief medical officer (SAG)/The ADG (MS), Directorate General of Health services, Government Medical Store Depot, Near City Central Mall, Post box no.4514, Mumbai Central, **Mumbai** - 8 Mobile - 7506988591 Email -gmsdmumbaiun@yahoo.com
Total Supply to the		17,035	43,655	18,906	
Total		3,40,707	8,73,105	93,012	

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