

Minutes of Meeting Technical Specification Committee, NACO for review and revision of Technical specification of the Mobile ICTC van under BSD component of NACP

Date: 04th August 2022

Venue: NACO Office/ virtual cum physical

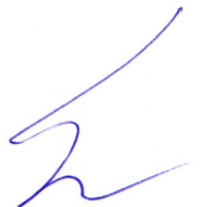
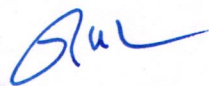
A Meeting on Technical Specification for Commodities under the BSD & STI division, was conducted on 2nd & 30th March 2022, 25th May 2022 by using virtual & hybrid modes under the Chairpersonship of Dr. Sunil Gupta, Principal Consultant, NCDC, Government of India at NACO.

In the above said meetings Technical Specifications was revised & approved by the committee for the commodities HIV test kit I, II & III, Whole Blood Finger prick test kit for HIV, RPR for syphilis, Syrup Nevirapine, Syrup Zidovudine, pediatric ARV drug Lopinavir & Ritonavir, DBS card & DBS collection kit, Ice Lined Refrigerator & Dual test kit for HIV & syphilis, under BSD & STI division:

Due to paucity of time Technical specification for Mobile ICTC van was not discussed in the above-said meetings and therefore in the meeting held on 04th August 2022 the committee has revised and approved the technical specification for Mobile ICTC van, after due discussions and deliberations.

All members were present and the quorum was complete.


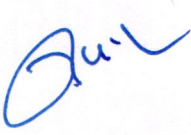



Technical specification for Mobile ICTC van is as detailed below.



1. Vehicle Technical Specifications:

Engine:	
Engine type	BS-6
Displacement (Engine capacity in CC)	2500-3500 CC, 4 cylinder
Engine power (Max Output)	54 KW or higher
Torque in NM	200 NM or above
Transmission:	
Type	Manual Synchromesh
No. of Gears	Minimum 5 forward and one Reverse
Axles:	
Front	Dead Rigid
Rear	Live Rigid
Steering:	
Type	Power Steering
Turning Radius	Maximum 6.5 meter
Suspension:	
Front:	Semi Elliptical Multileaf Spring
Rear:	Semi Elliptical leaf/Multileaf Spring
Brakes:	
Type	Hydraulic, Dual Circuit, ABS with EBD
Front	Disc
Rear	Disk/Drum Brakes
Parking	Mechanical on Rear wheels
Wheels and Tyres:	
Size	15" or larger rim

Tyre Types	4+1 (2 tyres front and 2 tyres rear with one spare tyre).
Dimensions:	
Wheelbase in mm	Minimum 3300
Overall length in mm	Up to 5550
Overall width in mm	1900 to 2200
Ground clearance in mm	Minimum 200 MM and above
Payload Capacity	Minimum 2500 kgs
Fuel Tank Capacity / CNG	Minimum 70 Lit (Diesel) Minimum 4 cylinders of 12 Kgs each (CNG), if the CNG facility is available in the location where the mobile ICTC is located. The vehicle on CNG should be able to cover minimum 200 kms.
Vehicle Approved under	CMVR approved under category 'M'
Frame and chassis	Monocoque chassis with Ladder type Box Section Tubular Cross Braces
Other Features:	
Colour of Vehicle	White or Super White
Air Conditioning	Driver as well as passenger Cabin should be Air conditioned.

Body Technical Specifications:

1.1. General Requirements:

- 2.1.1 The assembly, sub-assembly and equipment should be integrated in such a way to enable the vehicle function in a reliable way and in a sustained fashion with durability and ensuring safety and comfort to occupants.
- 2.1.2 The design of the vehicle and the specified requirements shall permit accessibility for servicing / replacement and adjustment of components / parts and accessories, with minimum disturbance to other components and systems.
- 2.1.3 The base vehicle with all accessories should be brand new standard commercial products, tested and certified to meet the necessary application requirement in terms of load. The bidder should enclose all necessary brochures, certifications, and proofs in this regard along with the technical bid.
- 2.1.4 Inter-framework should be designed in such a way that it supports the M-ICTC body rigidly and withstand tensional loads under full dynamic conditions. It should ensure optimum stability of the complete construction of the M-ICTC along with complete fitments as well as passengers inside in both static as well as dynamic load situations.
- 2.1.5 The overall dimensions of M-ICTC body cabin (lab testing and counselling area excluding the driver cabin) shall be in the range of 1900 to 2200mm of Width, 2200 mm to 2500 mm in height and up to 4200 mm in length. All over inside height of the vehicle i.e. roaming gap between floor and ceiling will minimum 1950 mm
- 2.1.6 Provision for curtains as indicated in the diagram.
- 2.1.7 W/S Glass-Single piece laminated for clear visibility, as per body profile.
- 2.1.8 The bidder should have the Mobile ICTC Van (Passenger / Medical Utility Bus Body) fabrication facility as per ISO9001:2008 (Specification required) or equivalent certified facilities. The bidder must fulfil the minimum requirements of ISO standards, criteria of fabrication.
- 2.1.9 External paint and logo shall be as prescribed by NACO

1.2. Specifications for the type of body:

- 2.2.1 Body building of Mobile Unit shall be in accordance with AIS 052
- 2.2.2 Fabrication of Body as Bus
- 2.2.3 Complete body should be minimum 20 gauge in galvanized steel
- 2.2.4 Aluminium anti-skid Flooring (14 gauge)
- 2.2.5 Interior finished with Aluminium composite Panel (ACP) sheet

- 2.2.6 Insulation in ceiling and side wall
- 2.2.7 Channel & Pipe Standard: As per the standard for mobile health unit
- 2.2.8 Paint quality should as per automotive industry standard & colour according to the procuring agency.
- 2.2.9 The body should be made from sandwich construction bolted to inter-framework, which shall be connected to the chassis. The walls should be made up of joint less sandwich elements. Outer and Inner Skin should have a minimum thickness of 1.4mm.
- 2.2.10 The body corners should relate to a corner cap.

1.3. Flooring

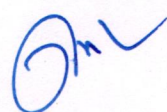
- 2.3.1 The construction of the floor should be the same as those of the body walls as specified above but with additional layers of marine grade plywood in between the outer skin, inner skin and the insulation layer.
- 2.3.2 The top layer of the floor should be made from minimum 1.5 mm thick Anti- skid PVC vinyl matting or FRP / ABS with Anti-skid coating may also be used as the final covering.
- 2.3.3 Joints if any should be properly sealed so that it will not accumulate any dust and facilitate easy cleaning.
- 2.3.4 In normal usage condition the openings / Joints should be congruently matched with the floor hygienically and aesthetically, so that there is no chance of dust and pollution through that opening to the inside environment of the M-ICTC.

1.4. Roof

- 2.4.1 The construction of the roof should be the same as those of the body walls as specified above but with additional reinforcement for mounting air conditioning unit, ceiling lamps, fan and other devices to be mounted to it.
- 2.4.2 All the cables and conduits in the ceiling should be completely concealed in its manufacturing and should not be visible either on the inside surface or on the outside surface of the ceiling.

1.5. Doors

- 2.5.1 There should be one exit door on the Left Hand side of the M-ICTC.
- 2.5.2 There should be one entrance door at the rear side of the M-ICTC.
- 2.5.3 The door should be designed as to afford easy release and prevent accidental opening.
- 2.5.4 The door should be locked at its fully open and closed position.
- 2.5.5 All hardware should be standard for passenger vehicle usage.
- 2.5.6 the key slot must have an integrated aperture to close the key slot.



- 2.5.7 The lock must have two locking points (dual lock system for passenger vehicle use) at both the ends vertically (top and bottom) operated / actuated by the one handle.
- 2.5.8 The entrance and exit doors should have a foldable Staircase. The staircase must have locks to keep it in folded condition when not in use and fully protected from any accidental opening when the M-ICTC is in motion.
- 2.5.9 Two number of pipe handles on each gate to help the passengers/clients embark/disembark.
- 2.5.10 One call or ring bell near the driver along with buttons near the testing and counselling areas.

1.6. Windows

- 2.6.1 The M-ICTC should have two windows on one side of bus with sliding glasses, size sufficient for natural light, ventilation and visibility from the bus, as per your layout. The windows should have provision for curtains/blinds.
- 2.6.2 The tinted glass should be set in an acceptable manner in a sturdy durable electrostatic powder painted, automotive grade in aluminium frame.

1.7. Wiring, Electrical Distribution Points & Lighting

- 2.7.1 All wires shall be concealed and so arrange that they can be readily inspected and renewed without affecting the finish of the vehicle.
- 2.7.2 The wires shall be PVC insulated wires confirming to standardization.
- 2.7.3 The earth return system shall be used for body wiring.
- 2.7.4 There shall be adequate number of lighting elements in all the areas, emitting white light meant for general lighting of the compartment, preferable installed in the roof of M-ICTC.
- 2.7.5 There should be one 12V DC operated, minimum 6" wall/ceiling mounted fans for each compartment like counselling area, examination area and blood collection area.
- 2.7.6 The testing compartment should have minimum number of power sockets required for various technical and general equipment in the M-ICTC. Each compartment of the van to have adequate number of power sockets for general use.

1.8. Awning: To be installed as permitted.

- 2.8.1 The M-ICTC shall preferably have one sturdy and retractable awnings with extra strong lightweight, white-coated aluminium structure on the driver side.
- 2.8.2 Extendable Teflon coated PVC top awning 14"x8" with retractable aluminium section structure on driver side.

- 2.8.3 Awning shall be silent while opening / closing and travelling and should be motorized in operation based on 12V DC allowing one touch operation for opening and closing of the awnings and should also be able to manually operated in case of malfunction of motorized operation.
- 2.8.4 Fabric shall be Vinyl UV resistant waterproof and washable, colour as per the client.
- 2.8.5 The awning must have supporting legs in the fully open condition for support.
- 2.8.6 The manual operation should be placed at suitable height for ease of access and operation.

1.9. Interior and Equipment Required

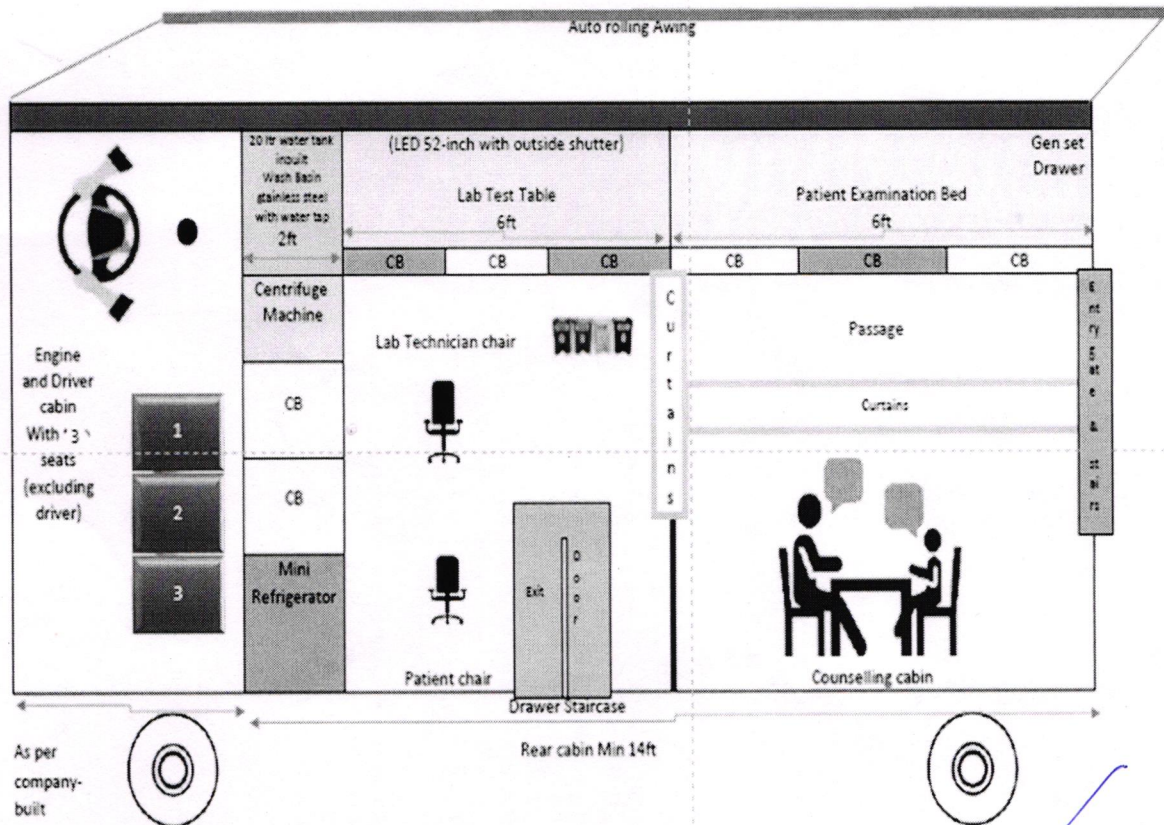
(All the Items Mentioned bellow should be provided and suitably fitted by the bidder in compliance of Motor Vehicle Act/Rules so as to be registered in appropriate category)

Items	Technical Specification	Quantity
Air-conditioning System	Air Conditioning System Run on Vehicle Engine with appropriate ducting system for cooling of the driver as well as passenger cabin compartment. The AC system should run from vehicle engine as well as generator when stationed. The condenser shall be mounted on the roof top. AC system shall be certified for passenger vehicle usage. Note: Any new standard system should be proposed by the bidder for technical review.	1
Cabin	The rear cabin shall be divided into two compartment counselling and lab testing as per the diagram	2
Work station with power ports	Table and Chairs	3 tables and 4 Chairs
Bed	6 ft long bed as per the layout.	1
Seating	The M-ICTC area will have automotive standard transport grade seats for minimum four persons. The seats should be comfortable and with complete back support and as per the layout attached	1 seat for 4 people
Storage	Almirah with locks as per the layout attached.	1
Wash Basin	Wash basin with soap dispenser	1
Towel Hanger	Towel hanger	1

Water Tank	Water Storage Tank, minimum 20 Ltrs	1
Wastage Tank	Water Wastage Tank, plastics	1
Curtain	Curtain as per layouts	3
Dispenser	Condom dispenser	1
PA System and speaker	Public address system with minimum 100 Watt RMS. 4 external weather-proof speakers of appropriate power, positioned in external body adequately protected by moisture and injury along with a mic and system.	1
Television	LED TV, with remote control, at least 43 inches, Full HD, USB compatible, mounted, with proper metal casing and padding, with metal shutter for protection.	1
Generator	The M-ICTC shall be supplied with super silent 5-7 KVA Gen-Set petrol generator of suitable power rating to run all electrical items of the vehicle including air conditions, room lighting, medical equipment with pure sine wave output. The generator should be conforming to standards prescribed under environmental protection act and with the rules as applicable.	1
Refrigerator	100 Ltr frost free Refrigerator with a digital temperature meter, should run with and without the generator running.	1
Dustbin	Biomedical waste colour coded bins, foot operated and colour coding should be as per the latest Biomedical Waste (Management and Handling) Rules.	3
First Aid Kits	Medium size first aid box for minor injuries	1
Fire Extinguisher	Fire extinguishers, Clear Agent (5kg) One fitted near driver seats and one in back medical cabin. It should be clearly visible and have easy access for use. Fire extinguisher should meet BIS 13849-1993 or the	2

	latest.	
Suggestion Box	Portable and able to be installed outside as well as inside of the cabin	1
Towing hook	To be provided accordingly	1
Drinking water	Appropriate space for installation of water dispenser.	1
Desirable	All other requirements including Safety requirements as per the Automotive Industry Standards and Motor Vehicle Act/Rules.	

1.10. Indicative Layout of the vehicle:



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Re: [EXTERNAL] Fwd: Draft Technical Specification for Mobile ICTC Van version II

S Sella Senthil
to me

Tue, 23 Aug, 17:36 (2 days ago) ⌵

Thank you for sharing the MOM and may considered for approval

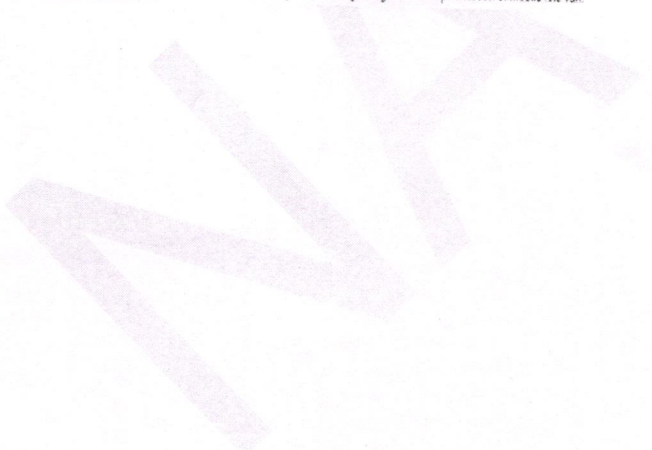
Thanks & Regards

Dr Sella Senthil

Assistant Drugs Controller (India),
Central Drugs Standard Control Organisation
Ministry of Health & Family Welfare
FDA Bhowan, Kotla Road, New Delhi.

On Tue, Aug 23, 2022 at 12:31 PM Shalendra Gandharva <shalendra.naco@gmail.com> wrote
Respected sir

I am sharing the email regarding technical specification of Mobile ictc van.



✍️ Compose

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Re: [EXTERNAL] Fwd: Draft Technical Specification for Mobile ICTC Van version II

D Madhuri Thakar
to me, Tamilnadu

Dear Mr. Gandharva,
thank you for sharing the final minutes and specification. I approve of both
Thanks
sincerely,
Dr. Madhuri Thakar

On Fri, Aug 26, 2022 at 12:18 PM Shalindra Gandharva <shalindra.naco@gmail.com> wrote:

Respected Maam/Sir

Greetings from NACO !

I am sharing the final version of Technical Specification of Mobile ICTC van, this was finalized in the last Technical Specification commit NACO via hybrid mode.

Please give your concurrence on the attached Technical Specification of Mobile ICTC van.

On Fri, Aug 26, 2022 at 12:18 PM Shalendra Gandharva <shalendra.naco@gmail.com> wrote

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Please give your concurrence on the attached Technical Specification of Mobile ICTC van.

ADJCTC

Thanks & Regards

I herewith give my consent for approval of the Minutes of Meeting Technical Specification of the Mobile ICTC van under the BSD component of NACP

Dear Sir

Asst. Director ICTC

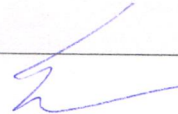
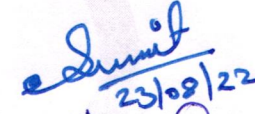
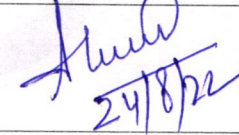
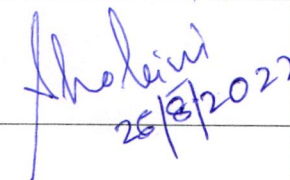
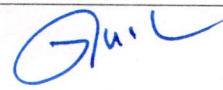
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Re: [EXTERNAL] Fwd: Draft Technical Specification for Mobile ICTC Van version II

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Members & Experts of Technical Specifications Committee

Sr. No.	Name	Designation and affiliation	Signature
1	Dr. Sunil Gupta	Chairperson, Principal Consultant, NCDC, Delhi	
2	Dr. Sella Senthil	Deputy Drug Controller of India, MoH&FW, Govt. of India	
3	Dr. Madhuri Thakkar	Scientist 'F' National AIDS Research Institute (NARI), Pune, (MH)	
4	Dr. Sumit Agrawal	Scientist 'D', Indian Council of Medical Research (ICMR) Delhi	 23/08/22
5	Dr. Akanksha Bisht	Scientist Grade II, National Institute of Biologicals, Noida (U.P)	 24/8/22
6	Dr. Shobini Rajan	Member Secretary, (SAG), DDG, NACO, Delhi	 25/8/2022
Invitee			
7	Dr. Parveen Kumar	Asst. Director, DSACS, Delhi	
8	Mr. Kumar Swamy	AD ICTC, Tamilnadu	
