No. IV-15021/23/2014-Prov (MT) - 20 80 भारत सरकार/Government of India गृह मंत्रालय/Ministry of Home Affairs पुलिस आधुनिकीकर णप्रभाग /Police Modernization Division संभरण-I डेस्क/Prov.I Desk

26, Man Singh Road, Jaisalmer House, New Delhi, the 15th December, 2016.

To,

DsG: AR (through LOAR), BSF, CISF, CRPF, ITBP, SSB, NSG & BPR&D.

Subject: Qualitative Requirements (QRs) and Trial Directives (TDs) of Mortuary Van for Referral Hospital of CAPFs – reg.

The QRs and TDs in respect of Mortuary Van for Referral Hospital of CAPFs, as per Annex-I and Annex-II respectively have been approved by the Competent Authority in MHA.

- 2. Henceforth, All the CAPFs should procure the above item required by them strictly as per revised laid down QRs/TDs.
- 3. Concerned CAPF will be accountable for correctness of the QRs/TDs of Mortuary Van.

Encl: As above.

Yours faithfully.

(Ritesh Kumar) Under Secretary (Prov-I)

Tel: 2338 1278

15/12/2016

Copy forwarded for necessary action to:

Section Officer (IT), MHA: with the request to upload the instant QRs and TDs of Mortuary Van (copy attached) on the MHA website (under the page of Organizational Set up-Police Modernization Division-Qualitative Requirement under Hospital Equipment list). Soft copy is being sent through e-mail.

(V. Devadas) Section Officer (Prov-I)

Copy to: DDG (Procurement), MHA

FRESH QRs/SPECIFICATION IN RESPECT OF MORTUARY VAN PROPOSED FOR REFERAL HOSPITAL CAPFS

S.No.	Parameter	Q.R./Specification
1	TECHNICAL SPE	CIFICATION
	General	Vehicle should be 4x4 % neel drive meeting all latest CMVR Norms for transporting dead bodies. Vehicle should be suitable for continuous operation in tropical coorditions. Bidder shall ensure that the vehicle offered complies with the stipulated requirements of law pertaining to operation of vehicles in India or any modification there in effect at the
		time of submitting bid. All items to be fully assemble with all the normal standard fitting and tested ready for immediate use. Engine & body of the vehicle should be adopted to various modifications to suite requirement as per area of deployment.
	Engine	i) Engine shall meet at least BS-III & above emission norms prescribe in latest CMVR, confirming to ARAI/SAE standard. ii) Gross power- Not less than 90 HP iii) Torque- Not less than 300 NM at 1500-1900 rpm
	Fuel Tank Capacity	Min 60 Ltrs
	Clutch	Single plate dry friction type
	Transmission	i) 5 speed manual gear box (Five forward & one reverse) ii) Transfer case- Twin speed.
	Steering	Integral Power steering.
	Brakes	Power assisted Hydraulic brakes or duel circuit full air – S cam brake
	Suspension	Mechanical/leaf spring/Semi-elliptical.
	Electrical	Rear i) Battery- Twin. EV 80AH maintenance free. ii) Alternator canacity Min. 80 Amp.
	Turning circle Radius	Not more than 08 mtr.
	Ground clearance	Not less than 220 mm
	Wheel & Tyres	Front -02, Rear- 04 and 01 spare of standard size
	Frame	Ladder type frame with riveted/botted cross member, side members are of channel section
C	Overall dimensions	i) Length- 5000- 5500 mm ii) Width- 1800-2000 mm iii) Height- 2300 - 2800 mm
F	Pay load	Not less than 2000 kg
S	pecial feature	Provision for Tow Hooks at front & rear
	ocuments &Tool	Provided with Tool Kit, Jack, workshop manual & service manual.
D	RIVER CABIN	of Driver seat, 01 co-driver seat and 02 passenger seat provided with safety belts.
-		Open/close door left and right with key lock. Space for one battery box(accommodating two batteries and a UPS) will be placed in remaining space between the two passenger seats. Two Nos. 80 Ampere Hours Battery, maintenance free.

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; T	BODY SPECIFICAT	TONS -
,	Body cabin	Fo be fully closed on all sides with doors only on the rear side and long seat to accommodate- 05 persons (guard) at a time.
		Separate partition with glass panels between driver cabin and body
		eabin. Fitted with mounting pads for keeping stretcher with manual lock.
		Main structure of the body shall be welded.
	Structure Panels	Exterior- Side and roof aluminum sheet.
	rancis	Interior- GI pre-painted panels
	Flooring	Flooring shall made of ISI marked BWR grade plywood with vinyl.
	Seats	Co-driver seat tiltable- Attendant seats- 02 Nos each in rear saloon.
		Stretcher bed cum seat- 02 stretcher bed cum seat.
		(01 upper folding and 01 lower fixed)
		Optional- 02 stretcher Driver door: flap type on RHS
	Doors	Co-driver door : flan type on LHS
		Rear door: win flagge pe with fixed Toughened glass & focking
		mechanism manually obserated.
	Glasses	Window: plain toughered glass two layer to withstand all weather
		condition. Glass provided are ARAI approved.
		Front wind shield : single piece curved
		Laminated clear glass: Rear glasses: Plain toughened glass in two pieces at rear gliding
		sideward.
	Dland Filmont	Roof lamps
	Rear saloon fitment Other litments	Fan fitting: - 02 each sides.
	Paint	PU Paint SWAN white
	Specification for	i) Type: fixed type Ice box(freezer Box)
	freezer box for	ii) Size: a) lee Box inner size- 79"x23"x25"(LxBxH)
	(single body)	b) Ice box outer size- 81"x25"x27"(LxBxH)
		iii) Fabrication material to be used :- The system should fabricated by stainless steel mater with the thickness of 18G and 304 grades.
		iv) Door :- The freezer box should be provided with front door with
		insulation pulf 2" thickness. The door should be able to open outward
		Lock should be provided for the door with key. v) Cooling system: - The cooling system should have supported by
		compressor and should be run through vehicle engine. The suitable
		wiring connection and accessories if any to be provided. The
		condenser shall be fired on the top of the vehicle at appropriate place
		to avoid damage during transit. The system should provide agitation
		fan for the use of conventional ice tray. Should have adequate coolir
		capacity to maintain 01 degree Celsius inside the Ice Box chamber.
		vi) Accessories to be provided with the unit:
		a) The unit should have stretcher with wheel. The stretcher
		should glide easily into the freezer box with the body and it
		should get accommodated it entire breadth and length.
		b) The system should have conventional fee tray with size of
		78"x22x4"(LxBxH)
		vii) Other requirement-

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·		a) The total system should be fixed inside the mortuary van. necessary fitting items also to be mentioned and supplied. b) The system mould have compatibility to work in all conditions.
E .		during the rights time, necessary shock ansorber antity share he provided to avoid damage to the unit due to heavy vibrations to
		c) The system should be suitable for operation in temperature 10 degree C to 50 degree with relative humidity of 100%. d) System offered shall be adequately protected, and be able to
		withstand the prevailing climate in all over India e) System performance should not be affected by electromagnetic interference radiated or conducted through power lines from another device.
		f) System should have no sharp edges, should be securely mounted and should provide adequate protection against moving and electrically in energized parts.
		 g) Controls(e.g. switches, knobs) should be visible and clearly indentified. h) Labels and marking should be clear and visible.
		i) System should be simple to use, operate and maintain, it should be designed for easy access to serviceable parts.j) Backup power 2-3 Hours.
		k) Long term preservation of hodies l) Notemission of foul smell. viii) Packing and storage-
		 a) Packing of the system should be easy to open and well labeled and marked with devices. b) System should be able to withstand temperature and humidity extremes likely to be encountered during storage and
		transportation. e) Bidders may please indicate standards(s) with which the product complies. Alternately hidders may indicate that their device is registered with a national or international medical device regulation agencies such as USFDA or EUMDD which assures that the product meets GMP, performance and safety. d) Freezer box(single body) for mortuary van, for Hearse service own make confirming to the above specification, with components of the freezer box covered under Indian Standard
5	Partition Wall	Specification. i) The partition between the Driver and Deceased Compartments will be at a distance(L=3200mm) from the Rear door's inner trim. ii) Will be of 3/4" MS Square Section Pipe frame structure and will have.
		 Proper Opening space of AC Air suction window at a Given height (1500 pm. withinum) Fixture to fit AC Evaporator with Blowers Unit, to fit comfortably within given Height, A minimum opening (width-800mm, Height-300mm) to accommodate window in between the two compartments. Space for fitting Exhaust(6"-8") Fan to Fit in properly.
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6	Deceased	i) Stretcher bed- 02 stretcher beds in two tires (1 upper folding and 1
**	Compartment with	lower fixed.
	Freezer Box.	ii) There should be no requirement to keep such opening from inside
	Treezer Done	this compartment (neither on floor nor on any other walls) which would
		be necessary for servicing the vehicle under any circumstances.
		iii) No Battery space in this compartment.
		iv) The flooring level(out ness/flatness) should be maintained within
		(abrication standards limits (or must suitably within±/1.5mm at any
		(aprication standards times for most surface) within a standard for most surface.
		remote two points on the floor).
		v) Flooring should be evenly and properly reinforced
		vi) There should be no projected parts
		vii) Rear Door Trim.
		viii) Grab Handle. Both doors Both Sides.
		ix) Inner Locking knob for RHS door.
		x) Shooting Bar Type Lock, with single Handle to Operate and which
		operates both sides (up and down) for locking LHS door from inside.
		xi) Fixed Glass type Rear Side Windows
	i	xii) Rear side window with a approx 500mm height by 500mm width at
		a distance of 300mm (approx) from the rear door and at a 875mm
		a clistance of booming approxy from the real door and are a approx height from the floor.
		xiii) The lower ledge of the side windows should be in line with the
		rear door window's lower edge.
		xiv) Any supporting reinforcement from inside to protect the vehicle
		against any side Damages.
		xv) Firm Rear Door Hinges.
		xvi) Gap between door and flooring should be just enough to
		accommodate the sheet and mating without extra gap left further and
		air light.
		xvii) The compartment should have minimum possible gaps between
		the door edges.
		xviii) All the welding Joints should be properly coated with anti-rust
		coating.
		xix) No unfinished joints are left open without finishing and de burring
		xx) All electrical wiring harness should be properly secured and have
		safe route.
7	Exterior Issues	i) Body parts should not obstruct the serviceability of the parts like
		Wipers, fuel tank Unit, Spare wheel, head lights, Horn, Filters.
		ii) Rear Foot step should be comfortably placed in terms of
		height(around 360mm from ground) and placing of the foot to be
		150mm(÷ 10mm) wida.
		iii) The width of the Rear Feet Step should be minimum 1500mm
		distributed equally on both the sides.
		iv) Joint less appearance from all over.
		v) Over all Finish and the integration of the Sheet Joints, shoulder
		VI Over an initial and the integration of the Sheet Johns, Shoulder
		joints, proper radius, uneven sheet, mismatch etc.
		vi) The overall skirting level of the vehicle should be inline or above
		the Axle line. And should be properly reinforced form inside and
		finished.
		vii) Spare wheel removal should take Maximum 10 Minutes to
		complete Cycle (from wheels removal to replacing the wheels)
		viii) Clear Spare wheel removal passage. Wheel arch radius to be
		sufficient to remove the Wheei.
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		ix) To remove the spare wheel an opening for wheel spanner to get in to drive the ratchet up and down in order to handle the wheel. x) Both the rear Doors should have 270 degree securing mechanism to hold them on Outer side walls while the Rear passage is being used in vehicle stationary condition. xi) Smoothness of Color Painted from all over. xii) Fuel Tank Serviceability. xiii) Serviceability of Head Lights, Horn, Filters. xiv) Mud Flap on all the Four Tyres properly fitted and secured. xv) Under Hood Serviceability. xvi) Under Body Serviceability. xvii) Easy in Oil Change of all kinds.
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DIRECTOR GENERAL I.T.B. POLICE

TRIAL DIRECTIVE IN RESPECT OF MORTUARY VAN PROPOSED FOR REFERAL HOSPITAL CAPFS

Date of Trial		Temperature
Time of Trial		Altitude
Place of Trial		Weather Condition
GR of Trial Area(V	ehicle should be suitable for continuous operation in tr	opical conditions)

Parameter	Specification	Procedure Suggested for Trial	Result expected/desired
 TECHNICAL SPEC	TIFICATION	J X 1001	- expected/desired
General	Vehicle should be 4x4 wheel drive meeting all latest CMVR Norms for		
	transporting dead bodies. Vehicle should be suitable for continuous	,	
	operation in tropical conditions. Bidder shall ensure that the vehicle		
	offered complies with the stipulated requirements of law pertaining to		
	operation of vehicles in India or any modification there in effect at the		
	time of submitting bid. All items to be fully assemble with all the		
	normal standard fitting and tested ready for immediate use. Engine &		
	body of the vehicle should be adopted to various modifications to suite		
1	requirement as per area of deployment.		
Engine	.) Engine shall meet at least BS-III & above emission norms prescribed		
	in latest CMVR, confirming to ARAI/SAE standard.		
	ii) Gross power- Not less than 90 HP		
	iii) Torque- Not less than 300 NM at 1500-1900 rpm		
Fuel Tank Capacity	Min 60 Ltrs		
Clutch	Single plate dry friction type		
Transmission	i) 5 speed manual gear box (Five forward & one reverse)		
	ii) Transfer case- Twin speed.		
Steering	Integral Power steering.		
	and grant one stocking.		
Brakes	Power assisted Hydraulic brakes or duel circuit full air – S cam brake		
Suspension	Mechanical/leaf spring/Semi-elliptical.		
Electrical	Rear i) Battery- Twin, 12V 80AH maintenance free.		
	ii) Alternator capacity Min. 80 Amp.	1	
Turning circle	Not more than 08 mtrs		
Radius		/	

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Wheel & Tyres Fromf -02, Rear- 04 and 01 spare of standard size Frame Ladder type frame with riveted/betted cross member, side members are of channel section Overall dimensions i) Length - 5000 - 5500 mm ii) Width - 1800 - 2000 mm iii) Height - 2300 - 2800 mm Pay load Not less than 2000 kg Special feature Provision for Tow Hooks at front & rear Documents & Tool Provided with Tool Kit, Jack, workshop manual & service manual. OI Driver seat, 01 co-driver seat and 02 passenger seat provided with safety belts. Open/close door left and right with key lock. Space for one battery box(accommodating two 5atteries and a UPS) will be placed in remaining space between the two passenger seats. Two Nos 80 Ampere Hours Battery, maintenance free. BODY SPECIFICATIONS Body cabin To be fully closed on all sides with doors only on the rear side and long seat to accommodate- 05 persons (guard) at a time. Separate partition with glass panels between driver cabin and body cabin. Fitted with mounting pads for keeping stretcher with manual lock. Structure Main structure of the body shall be welded. Panels Exterior- Side and roof aluminum sheet.	Ground clearance	Not less than 220 mm	. •
Overall dimensions i) Length- 5000- 5500 mm ii) Width- 1800-2000 mm iii) Height- 2300 - 2800 mm iii) Height- 2300 - 2800 mm Pay load Not less than 2000 kg Special feature Provision for Tow Hooks at Iront & rear Documents & Tool Provided with Tool Kit, Jack, workshop manual & service manual. DRIVER CABIN Open/close door left and right with key lock. Space for one battery box(accommodating two batteries and a UPS) will be placed in remaining space between the two passenger seats. Two Nos 80 Ampere Hours Battery, maintenance free. BODY SPECIFICATIONS Body cabin To be fully closed on all sides with doors only on the rear side and long seat to accommodate- 05 persons (guard) at a time. Separate partition with glass panels between driver cabin and body cabin. Fitted with mounting pads for keeping stretcher with manual lock. Structure Main structure of the body shall be welded. Panels Exterior-Side and roof aluminum sheet.	Wheel & Tyres		-
Overall dimensions i) Length- 5000- 5500 mm ii) Width- 1800-2000 mm iii) Height- 2300 - 2800 mm Pay load Not less than 2000 kg Special feature Provision for Tow Hooks at Ironi & rear Documents &Tool Provided with Tool Kit, Jack, workshop manual & service manual. DRIVER CABIN Ol Driver seat, 01 co-driver seat and 02 passenger seat provided with safety belts. Open/close door left and right with key lock. Space for one battery box(accommodating two betteries and a UPS) will be placed in remaining space between the two passenger seats. Two Nos 80 Ampere Hours Battery, maintenance free. BODY SPECIFICATIONS Body cabin To be fully closed on all sides with doors only on the rear side and long seat to accommodate- 05 persons (guard) at a time. Separate partition with glass panels between driver cabin and body cabin. Fitted with mounting pads for keeping stretcher with manual lock. Structure Main structure of the body shall be welded. Panels Exterior-Side and roof aluminum sheet.		Ladder type frame with riveted/botted cross member, side members are	
Pay load Not less than 2000 kg Special feature Provision for Tow Hooks at front & rear Documents & Tool Provided with Tool Kit, Jack, workshop manual & service manual. DRIVER CABIN O1 Driver seat, 01 co-driver seat and 02 passenger seat provided with safety belts. Open/close door left and right with key lock. Space for one battery box(accommodating two batteries and a UPS) will be placed in remaining space between the two passenger seats. Two Nos 80 Ampere Hours Battery, maintenance free. BODY SPECIFICATIONS - Body cabin To be fully closed on all sides with doors only on the rear side and long seat to accommodate- 05 persons (guard) at a time. Separate partition with glass panels between driver cabin and body cabin. Fitted with mounting pads for keeping stretcher with manual lock. Structure Main structure of the body shall be welded. Panels Exterior- Side and roof aluminum sheet.	Overall dimensions	i) Length- 5000- 5500 mm ii) Width- 1800-2000 mm	<u> </u>
Documents & Tool DRIVER CABIN On Priver seat, 01 co-driver seat and 02 passenger seat provided with safety belts. Open/close door left and right with key lock. Space for one battery box(accommodating two betteries and a UPS) will be placed in remaining space between the two passenger seats. Two Nos 80 Ampere Hours Battery, maintenance free. BODY SPECIFICATIONS Body cabin To be fully closed on all sides with doors only on the rear side and long seat to accommodate- 05 persons (guard) at a time. Separate partition with glass panels between driver cabin and body cabin. Fitted with mounting pads for keeping stretcher with manual lock. Structure Main structure of the body shall be welded. Panels Exterior- Side and roof aluminum sheet.	Pay load	Not less than 2000 kg	
DRIVER CABIN On Driver seat, 01 co-driver seat and 02 passenger seat provided with safety belts. Open/close door left and right with key lock. Space for one battery box(accommodating two betteries and a UPS) will be placed in remaining space between the two passenger seats. Two Nos 80 Ampere Hours Battery, maintenance free. BODY SPECIFICATIONS - Body cabin To be fully closed on all sides with doors only on the rear side and long seat to accommodate- 05 persons (guard) at a time. Separate partition with glass panels between driver cabin and body cabin. Fitted with mounting pads for keeping stretcher with manual lock. Structure Main structure of the body shall be welded. Panels Exterior- Side and roof aluminum sheet.	Special feature		
safety belts. Open/close door left and right with key lock. Space for one battery box(accommodating two betteries and a UPS) will be placed in remaining space between the two passenger seats. Two Nos 80 Ampere Hours Battery, maintenance free. BODY SPECIFICATIONS - Body cabin To be fully closed on all sides with doors only on the rear side and long seat to accommodate- 05 persons (guard) at a time. Separate partition with glass panels between driver cabin and body cabin. Fitted with mounting pads for keeping stretcher with manual lock. Structure Main structure of the body shall be welded. Panels Exterior- Side and roof aluminum sheet.	Documents & Too		
Body cabin To be fully closed on all sides with doors only on the real side with general seat to accommodate of persons (guard) at a time. Separate partition with glass panels between driver cabin and body cabin. Fitted with mounting pads for keeping stretcher with manual lock. Structure Main structure of the body shall be welded. Panels Exterior- Side and roof aluminum sheet.		safety belts. Open/close door left and right with key lock. Space for one battery box(accommodating two batteries and a UPS) will be alread in remaining space between the two passenger seats.	
Fitted with mounting pads for keeping stretcher with manual lock. Structure Main structure of the body shall be welded. Panels Exterior- Side and roof aluminum sheet.		To be fully closed on all sides with doors only on the real side data as general seat to accommodate of persons (guard) at a time.	
Structure Main structure of the body shall be welded. Panels Exterior- Side and roof aluminum sheet.			
Panels Exterior- Side and roof aluminum sheet.		Fitted with mounting pads for keeping stretcher with manual lock.	
CI souted name C	Structure		
Interior- GI pre-painted paners	Panels	. OI societed panels	
Flooring Flooring shall made of ISI marked BWR grade plywood with vinyl.	Flooring	Flooring shall made of ISI marked BWR grade plywood with vinys.	

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	Seats	Co-driver seat tiltable- Attendant seats- 02 Nos each in rear saloon. Stretcher bed cum seat- 02 stretcher bed cum seat. (01 upper folding and 01 lower fixed) Optional- 02 stretcher	,	
	Doors	Driver door: flap type on RHS Co-driver door: flap type on LHS Rear door: twin flap type with fixed Toughened glass & locking mechanism manually operated.		
	Glasses	Window: plain toughened glass two layer to withstand all weather condition. Glass provided are ARAI approved. Front wind shield: single piece curved Laminated clear glass: Rear glasses: Plain toughened glass in two pieces at rear gliding sideward.	,	
	Rear saloon fitment	Roof lamps		
	Other fitments	Fan fitting:- 02 each sides.	·	
	Paint	PU Paint SWAG whice		
4	Specification for freezer box for (single body)	i) Type: fixed type tee box(freezer Box) ii) Size: a) Ice Box inner size- 79"x23"x25"(LxBxH) b) Ice box outer size- 81"x25"x27"(LxBxH) iii) Fabrication material to be used: The system should fabricated by stainless steel mater with the thickness of 18G and 304 grades.		
		iv) Door :- The freezer box should be provided with front door with insulation puff 2" thickness. The door should be able to open outward. Lock should be provided for the door with key. v) Cooling system : - The cooling system should have supported by compressor and should be run through vehicle engine. The suitable wiring connection and accessories if any to be provided. The condenser shall be fitted on the top of the vehicle at appropriate place to avoid damage during transit. The system should provide agitation fan for the use of conventional ice tray. Should have adequate cooling capacity to maintain 01 degree. Celsius inside the Ice Box chamber.		
		vi) Accessories to be provided with the unit: e) The unit should have stretcher with wheel. The stretcher should glide ensity into the freezer box with the body and it should get accommodated it entire breadth and length.		
	1	d). The system should have conventional lee изау wift size of ~	1	

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d) The system should have conventional 78" x22x4"(1 · BxH)

- m) The total system should be fixed inside the mortuary van, necessary fitting items also to be mentioned and supplied.
 n) The system should have compatibility to work in all conditions during the transit time, necessary shock absorber ability shall be provided to avoid damage to the unit due to heavy vibrations.
 o) The system should be suitable for operation in temperature 10 degree C to 50 degree with relative humidity of 100%
 p) System offered shall be adequately protected and be able to
- withstand the prevailing climate in all over India.
 q) System performance should not be affected by electromagnetic interference radiated or conducted through power lines from
- another device.

 r) System should have no sharp edges, should be securely mounted
- and should provide adequate protection against moving and electrically in energized parts.
- s) Controls(e.g. switches, knobs) should be visible and clearly indentified.
- t) Labels and marking should be clear and visible.
- u) System should be simple to use, operate and maintain. It should be designed for easy access to serviceable parts.
- v) Backup power 2-3 Hours.
- w) Long term preservation of bodies
- x) No emission of foul smell.
- viii) Packing and storage
 - e) Packing of the system should be easy to open and well labeled and marked with devices.
 - f) System should be able to withstand temperature and humidity extremes likely to be encountered during storage and transportation.
 - g) Bidders may please indicate standards(s) with which the product complies. Alternately bidders may indicate that their device is registered with a national or international medical device regulation agencies such as USFDA or EUMDD which assures that the product meets GMP, performance and safety.
 - h) Freezer box(single body) for mortuary van, for Hearse service own make confirming to the above specification, with components of the freezer box covered under Indian Standard Specification.

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1	Partition Wall	i) The partition between the Driver and Deceased Compartments will be at a
· ,		distance(1=3200mm) from the Rear door's inner trim.
		They will be at 3.2 MS Sampre Section Pine frame structure and will have.
		5. Proper Opening space of AC Air suction window at a Given height (1500mm.
		Minimum)
		6. Fixture to fit AC Evaporator with Blowers Unit, to fit comfortably within given
1		Height.
		7. A minimum opening (width-800mm, Height-300mm) to accommodate window in
		between the two compartments.
 		8. Space for fitting Exhaust(6"-8") Fan to Fit in properly.
6	Deceased	i) Stretcher bed- 02 stretcher beds in two tires (1 upper folding and 1 lower fixed.
i ()	Compartment	ii) There should be no requirement to keep such opening from inside this compartment
i ·	with Freezer	(neither on floor nor on any other walls) which would be necessary for servicing the
	Box.	vehicle under any circumstances.
	į (717,\t.	iii) No Battery space in this compartment.
:		iv) The flooring level(out ness/flatness) should be maintained within fabrication
ļ		standards 'limits' (or must suitably within+/1.5mm at any remote two points on the
1		floo.
i :	!	v) Flooring should be evenly and properly reinforced
		vi) There should be no projected parts
	ĺ	vii) sear Door Trim.
: 		viii) Grab Handle, Both doors Both Sides.
		ix) Inner Locking knob for RHS door. x) Shooting Bar Type Lock, with single Handle to Operate and which operates both
!		sides (up and down) for locking LHS door from inside.
	1	xi) Fixed Glass type Rear Side Windows xii) Rear side window with a approx 500mm height by 500mm width at a dissance of
1		XII) Rear side window with a approx 300mm neight by 200mm with the diser-
Ì		300mm (approx) from the rear door and at a 875mm approx height from the floor.
		xiii) The lower ledge of the side windows should be in line with the rear door window's
	•	lower edge.
		xiv) Any supporting reinforcement from inside to protect the vehicle against any side
		Damages.
		xv) Firm Rear Door Hinges.
:	 	xvi) Gap between door and Hooring should be just enough to accommodate the sheet
	!	and mating without extra gap reft further and air light.
1	i I	xvii) The compartment should have minimum possible gaps between the door edges.
	1	xv/l) All the welding Joints should be properly coated with anti-rust coating
	:	xix) No unfined ed joints are left open without finishing and de outring
		xx). All electrical wiring harness should be properly secured and have safe and.
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7 Exterior Issues (i) Body parts should not obstruct the serviceability of the parts like Wipers, fuel tank Unit, Spare wheel, head lights, Horn, Filters. Wipers, fuel tank Unit, Spare wheel, head lights, Horn, Filters. Wipers, fuel tank Unit, Spare wheel, head lights, Horn, Filters. Wipers, fuel tank Unit, Spare wheel, head lights, Horn, Filters. Wipers, fuel tank Unit, Spare wheel, head lights, Horn, Filters. Wipers, fuel tank Unit, Spare wheel should be minimum 1500mm (ii) Rear Foot step should be minimum 1500mm (iii) The width of the Rear Feet Step should be minimum 1500mm (distributed equally on both the sides, iv) Joint less appearance from all over. v) Over all Finish and the integration of the Sheet Joints, shoulder joints, v) Over all Finish and the integration of the Sheet Joints, shoulder joints, vi) The overall skirring level of the vehicle should be infine or above the vi) The overall skirring level of the vehicle should be infine or above the Vii) Spare wheel removal should take Maximum 10 Minutes to complete viii) Clear Spare wheel removal passage. Wheel arch radius to be sufficient to remove the Wheel, is) To remove the spare wheel an opening for wheel spanner to get in to		The second secon
Wipers, fuel tank (mit. space) ii) Rear Foot step should be comfortably placed in terms of ii) Rear Foot step should be comfortably placing of the foot to be height(around 360mm from ground) and placing of the foot to be 150mm(± 10mm) wide. iii) The width of the Rear Feet Step should be minimum 1500mm distributed equally on both the sides. iv) Joint less appearance from all over. v) Over all Finish and the integration of the Sheet Joints, shoulder joints. v) Over all Finish and the integration of the Sheet Joints, shoulder joints. vi) The overall skirting level of the vehicle should be inline or above the vi) The overall skirting level of the vehicle should be inline or above the vi) The overall skirting level of the vehicle should be inline or on above the vi) Space wheel removal should take Maximum 10 Minutes to complete vii) Space wheel removal should take Maximum 10 Minutes to complete vii) Clear Space wheel removal passage. Wheel arch radius to be viii) Clear Space wheel removal passage. Wheel arch radius to be sufficient to remove the Wheel.		
ix) To remove the spare wheel an opening to drive the ratchet up and down in order to handle the wheel. drive the ratchet up and down in order to handle the wheel. x) Both the rear Doors should have 270 degree sections reactions in to x) Both the rear Doors should have 270 degree sections reactions in the latter of them on Outer side walls while the Rear passage is being used in hold them on Outer side walls while the Rear passage is being used in vehicle stationary condition. xi) Smoothness of Color Painted from all over. xii) Smoothness of Color Painted from all over. xii) Fuel Tank Serviceability. xiii) Serviceability of Head Lights. Horn, Filters. xiv) Mud Flap on all the Four Tires properly fitted and secured. xv) Under Hood Serviceability. xvi) Under Body Serviceability. xvii) Easy in Oil Change of all kinds.	7 Faterior Issues	ie i

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APPROVED

DIRECTOR GENERAL