

SPECIFICATION RT57-03-14-02

MOBILE COMMUNITY SERVICE CENTRE (CSC) BODY FOR 7TON PAYLOAD TRUCK

A van body of robust construction complying to the following is required:

1. DIMENSIONS:

A minimum body length of 6,200mm and a width of 2,500mm and a height of 2,100mm and a total vehicle height of approximately 2,400mm is required.

Tenderers must offer the best body length to suit their chassis without chassis alterations and with a cab to body gap to manufacturers specification, not exceeding 400mm.

Particulars of offer: _____

2. MATERIAL:

Floor: Must be manufactured from mild steel of not less than 4mm.

Sides: Must be manufactured from not less than 1.6mm electro galvanised mild steel plate pressed to ensure rigidity and to prevent drumming and not less than 1.6mm steel structure.

Doors: Must be covered with aluminium sheeting.

Particulars of offer: _____

3. ROOF:

The roof must be manufactured with 1, 2 mm thick electro galvanised mild steel plate, pressed and welded intermittently to suitable roof sticks to prevent sagging and drumming and welded to a 1, 6 mm electro galvanised folded mild steel.

The roof shall be slightly domed with drip rails on the sides and rear.

The inside height of approximately 2,100mm is required.

A heavy duty awning, able to withstand strong winds must be built on the left hand side of the truck above the CSC main door.

The awning must fit along the length of the truck.

Provision must be made for three sets of roof ventilators with approximate sizes of 800 x 400mm per set.

Provision must be made for a roof ventilator with an approximate size of 460 x 295mm to be installed in the toilet area.

Fans must be an integral part of all the ventilators

All ventilators must have mosquito and insect screening.

Particulars of offer: _____

4. DOORS:

A single lockable door, covered with aluminium sheeting and fitted with a latch and handle with set of two (2) keys must be fitted on the left side of the body.

The door must be positively weatherproof when closed.

A separate screen door must be fitted on the inside of the existing door.

The screen door must have a spring mechanism that will keep the door always closed.

Reinforced strips must be provided to the screen to prevent deflection.

A sliding bolt must be provided to the screen door next to the reinforced strips to lock the door from the inside.

A removable steps with hand rails must be supplied to enter the compartment. The steps must be securely stowed underneath the body while in transit.

Particulars of offer: _____

An escape door must be fitted on the right hand side of the truck. This door must not be able to be opened from the outside.

Particulars of offer: _____

5. WINDOWS:

Windows of the following approximate sizes must be fitted.

<u>Quantity</u>	<u>Sizes</u>
1	613mm x 560mm
1	1350mm x 705mm
3	950mm x 605mm

All windows must have welded mesh screens (25mm x 50mm x 3mm) welded to frames and fitted to the windows.

Suitable mosquito and insect screening must be attached to the window. "Velcro" or a similar method of attachment may be used.

Particulars of offer: _____

6. FLOOR:

The floor shall be manufactured from mild steel plate of not less than 4mm thickness and shall be suitably reinforced to ensure that a flat floor surface is attained.

A dark coloured "Novilon" covering or similar must be fitted throughout the CSC area.

Particulars of offer: _____

7. HOLDING CELL AREA:

A holding cell must be built in the right front corner of the CSC.

The inside partition facing the CSC area must be manufactured from expanded material forming a strong mesh and the inside of the holding cell must be finished with aluminium plates throughout.

The door must be manufactured from expanded material, forming a strong mesh with provision for a pad lock, giving a clear view from the CSC. The door must only be opened from the outside and not from the inside.

Particulars of offer: _____

SEATS:

1,6 mm Rigid bench type electro galvanised mild steel seats along the sides and front end of the holding cell, be welded and riveted to the sides, the front and rear of the body and the floor to give additional sturdiness to the body.

Seats to be approximately 350 mm high and 350 mm wide.

A thin rubber finish or a chip free coating must cover the total surface of the seats. This surface must not stain clothes.

The seating arrangement for holding cell compartment must comply with the NRCS specification requirement on safety of passengers.

Particulars of offer: _____

8. TOILET:

Provision must be made for a toilet compartment with inside dimensions of approximately 1,200mm x 700mm.

The walls which separate the toilet from the rest of the interior, must extend from the floor up to the roof. A cartridge based chemical toilet must be supplied.

The window in the toilet area must be frosted.

Door must be lockable from both sides.

Particulars of offer: _____

9. KITCHEN UNIT:

A kitchen unit of approximately 1,400mm x 500mm must be provided and installed in the unit. This unit must consist of a stainless steel washbasin of approximately 550mm x 380mm, an approximately 90 litre bar fridge (220V) and a space for a microwave.

A wooden covering panel consisting of two parts which are connected to the wall by hinges, must be supplied over the washbasin. The bottom of it must be covered with 1,5mm aluminium. Latches must be connected to the wall to keep the panels in the open position.

A suitable cupboard fitted with locks, must be installed above the kitchen unit, for the storage of crockery. The doors of the cupboard must consist of steel panels.

Particulars of offer: _____

10. WORKING SURFACES AND COUNTER:

Working surfaces must be manufactured of solid wood and mounted as follows:

Height from floor: 750mm

Thickness of surface: 20-25mm

Adequate supports must be provided at strategic places under the surfaces.

Surfaces must be covered with 1mm high pressure acid laminate, and the exposed sides must be post formed a full 180°.

A grey colour must be used, and the colour of the high pressure laminate must be of such that stains and marks are not easily noticed.

A post-formed solid wood counter of sufficient strength and stability must be fitted.

A solid wood counter, where finger prints are taken, with a built-in stainless steel washbasin, is required. A drawer underneath the counter is required for the storage of the fingerprint equipment.

A stainless steel panel of approximately 400 mm in width must be mounted against the wall directly above this counter. The panel must run the entire length of the counter and washbasin.

Particulars of offer: _____

11. CHAIRS:

Three (3) swing arm polypropylene bucket chairs, approximately 450mm in height, must be fixed to the working surfaces.

Two (2) upright chairs must be fitted for people waiting to be assisted.

Two (2) portable chairs and a removable portable desk table must be securely mounted to be used to service persons with disabilities/ elderly persons under the cover of the awning at ground level.

Particulars of offer: _____

12. RIFLE CABINET:

A lockable rifle cabinet of approximately 400 x 400mm x 1,400mm in height must be mounted in the position. The safe must be securely fixed to the body of the unit.

The cabinet must be capable of providing protection for six rifles and six pistols.

Particulars of offer: _____

13. RADIO COMPARTMENT:

Provision must be made for the installation of a police radio beneath the counter.

Particulars of offer: _____

14. CUPBOARD:

One (1) cupboard of approximately 1,200 x 2,000 x 600mm, with left hand and right hand opening doors must be fitted.

The cupboard must be full length, from floor to ceiling.

The one half of the cupboard must have shelves that are spaced approximately 400mm apart.

The shelves must be divided into suitably sized compartments, be adequately supported to prevent sagging, to help prevent files and books from shifting during transport.

The other half of the cupboard must be equipped to store clothing and other loose items.

Brackets must be attached to the top of both sides of the cupboard for the hanging of clothes.

The fastening of the brackets must be sturdy to prevent tearing loose.

Particulars of offer: _____

15. WATER SUPPLY:

Water is to be supplied to the one wash basin by means of a continuous water supply and pressure system.

A water tank of approximately 100 litres is to be mounted beneath the unit. The water tank must be positioned in a suitable position so that the balance of the unit is not affected. The water tank to be utilised must have sufficient baffles.

The water inlet (filler) must be placed in a suitable position and must be able to be sealed and locked.

A "Bi-Comet" 12V type pump, or similar must be used. A suitable 220V-12V transformer must be selected by the manufacturer to supply power to the pump. The pump must be positioned in such a way that airlock may not occur, and easy access can be gained for repairs and that a fair amount of protection is offered to the pump

The pump must automatically switch on and off by means of sensing the pressure in the system.

Apart from the circuit breaker for the 12V system, an additional and well indicated switch must be installed to switch off the 12V water pump in the case of the water tank running dry.

The water pump must have a built-in safety thermo cut-out switch to protect the pump from overheating in the case of the water tank running dry.

An additional tank water tank must be fitted and connected to the washbasins to collect the grey water.

Particulars of offer: _____

16. ELECTRICAL SYSTEM:

1. A complete electrical distribution box, fitted near the kitchen, with power supplied from the generator and/ or external power supply 220V with all safety measures must be installed and all electrical wiring to be fed to this box.

This main distribution board must make provision for the following:

- i) Circuit breakers for 3 x 15 Amp electric plugs.
- ii) Four (4) circuit breakers, one (1) for each light unit.
- iii) Circuit breakers: 12V water pump, 12V revolving light.
- iv) A leak current device must be fitted.

Particulars of offer: _____

2. All electrical wires must be trunked and not visible.

Particulars of offer: _____

3. A 5.5kva portable Generator must be supplied and provision must be made to connect generator directly to the AC/DC Power Control Box with a fly lead to the caravan type (16A blue CEE connectors) electrical outlet.

Particulars of offer: _____

4. A 220V 20Amp electrical outlet of the caravan type (16A blue CEE connectors) must be installed directly under the distribution box, on the outside of the vehicle and it must be waterproof and weatherproof. A 2.5mm² extension cord with caravan plug with a length of 30m must be supplied.

Particulars of offer: _____

17. LIGHTING:

Two (2) x 1,2m double 220V LED lights are to be fitted for interior lighting.
One (1) x 600mm single 220V LED light to be fitted inside the toilet.
One (1) x 600mm single 220V LED light to be fitted outside the truck above the door.
One (1) x 600mm single 220V LED light to be fitted in the kitchen bay area.
Motion sensor lights must be fitted to cover all outside area of the truck during the night

Particulars of offer: _____

18. ELECTRICAL DISTRIBUTION BOARD:

An electrical distribution board must be installed inside the unit, near the kitchen area.
Provision must be made for a standard 220V power supply inlet point for CSC area, which must be situated on the outside of the unit, directly under the distribution board. This point must be watertight.

Particulars of offer: _____

19. POWER POINTS:

Provision must be made for three (3) double electrical 16 Amp socket. Two (2) electrical plugs must be situated above the working surfaces and one (1) electrical plug in the kitchen must be situated directly under the crockery cupboard.

Particulars of offer: _____

20. SWITCHES:

All light switches must be placed within easy reach of the outside door.
A rechargeable buzzer must be fitted next to the main entrance/ door to accommodate persons with disabilities/ elderly people.

Intercom must be fitted for easy communication between the driver, co-driver and members in the CSC area

Particulars of offer: _____

21. WIRING:

All wiring must be channelled inside the walls.
A conduit channel must be laid from underneath the counter top to the reinforced area on the roof at the rear of the unit.
A conduit channel must be laid from the distribution board to the battery compartment.
The conduiting must have gentle bends. Sharp ninety degree (90°) bends will not be accepted.
The conduit channels must have a minimum internal diameter of 26mm.
A certificate of compliance must be issued by the suitably qualified/ registered engineer or electrician on completion of the unit.

Particulars of offer: _____

22. DUAL BATTERY SYSTEM

The vehicle must be equipped with a separate compartment outside the unit, to install a deep cycle battery.

The vehicle must be equipped with an auxiliary battery system that will be connected to 12V electrical system of the vehicle through a DC-to-DC charging system.

The auxiliary battery must be connected to a 3000W pure sinewave inverter for short term use, without using external 220v access or generator use.

The inverter must be connected directly to the AC/DC Power Control Box

The second battery must be a 105Amp/h deep cycle battery.

This system must not interfere with the vehicle original power system.

The battery compartment must be sealed off from the rest of the internal area of the CSC and with adequate external ventilation

Easy access to the battery compartment is essential and must be lockable.

Solar panels of adequate size must be fitted.

Particulars of offer: _____

23. FLAG POLES:

Suitable mounting brackets must be mounted on the corners of the left side of the body to host 60mm diameter flag poles.

Two (2) 60mm diameter collapsable and removable type flag poles must be supplied.

The top end of the flag pole construction must seal off and have a pulley attached to allow for easy hoisting of the flags by means of a rope.

Particulars of offer: _____

24. THE FOLLOWING ADDITIONAL ITEMS MUST BE SUPPLIED BY THE MANUFACTURER:

- i) two warning triangles
- ii) one 5000 kg hydraulic jack
- iii) suitable clamps for holding equipment
- iv) 2 x 4,5 kg fire extinguishers

Particulars of offer: _____

25. HYDRAULIC OUTRIGGER

Hydraulic outrigger consisting of four telescopic legs capable of adjusting to any surface area must be fitted at the corners of the command centre.

Particulars of offer: _____

26. MUDGUARDS:

Sturdy, firmly braced mudguards must be fitted behind the rear wheels.

Particulars of offer: _____

27. FINISH:

All metal shall be thoroughly cleaned and primed and painted with two coats of prime and good quality automotive enamel to match the departments colour spec.

Particulars of offer: _____

28. PARTICULARS OF OFFER:

A detailed sketch or full drawing of the body offered, showing all leading dimensions, must be submitted with tender.

Particulars of offer: _____