



A family of blood mobile vans



प्रथमा

Prathama Blood Centre

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We are a charitable trust and a registered 'Not for Profit' organization.

Prathama has pioneered in India the concept of voluntary blood donation in Blood Mobile Van. Blood Donors love to donate blood at an appealing and comfortable place close to them. If their act of blood donation is also recognized, it peeps them up and motivates them to be a regular blood donor. They also love to get attached to a reputed blood bank. To make this happened CATTIVA is our attempt to entice the first time and regular blood donors.

CATTIVA is a high end sculptured blood mobile van with 5-star lounge like facilities inside. CATTIVA has four comfortable donor couches, built in medical examination room, refreshment area, chemical toilet, pipe music in air conditioned environment. The best part is all systems of the vehicle operate on electricity. You can plug this vehicle at the popular location in your city which receive many visitors, plug it to 30 amp power point and you will get absolutely silent and 5-star like blood donor room.



This is a beautifully sculptured vehicle. This particular van has designed to do out-door blood collection up to 100 units. Normally, when the Blood donation camp is organized outside the Blood Banks, it is done through conventional vehicles. A lot of time is wasted in setting up the facilities, before blood collection can start. The purpose of this van is to save time on such activity and above all make the job of blood drive staff very easy, smooth and non-tiring.

Then, there are some Blood Donation sites, where it is not possible to do the blood camp through conventional vehicles, as the site may not have space or concrete roof available for such an activity.



Some times the blood drives can be small expecting only 10 or so donors. With conventional blood drives it is highly, time consuming to reach for such small targets.

As you would be aware this kind of vehicle is a regular features in developed countries. The van incorporate 2 (one standby) 15 KVA DG sets, which power, pantry, blood bank equipment and give complete comforts like that of a modern blood donor room. It is only because of this power pack that there are six one ton hermetically sealed air conditioners. The van comes complete with chemical toilet (medical requirement), water storage system, wastewater storage system and a very modern and catchy sculptured design. The van with its beautiful design works as a mobile hoarding and with reflective radium sticker messages on it, silently gives the message of blood donation to curious onlookers. The large see through window shows to the world the cool and jolly process of blood donation. At Prathama we are now collecting more than 500 units per month using similar van. Apart from regular blood donation camps, there are four Blood donation beds in the van and it is suitable for collecting 80-100 units in a four-hour blood donation session. This van has built brand equity for our institution. In a short time this van has made the institution popular by working as an ambassador of Prathama.



These vans are grossly different from some other attempt made in India, which uses the main vehicle's engine for air conditioning. Such vehicles shortly get their main engines weak and have repeat maintenance problems with system as A/c. The A/c. of engine driven is not hermetically sealed and thus has more gas leak problems. Besides, these alternate vans don't have the full-fledged electrical systems and current supply for lighting, refrigerators, medical equipment etc. They look incomplete and dimly lit. All the fixtures incorporated in our van are such that they withstand rattling, which Indian roads offer. The new van is now offered with dampening gaskets provided at critical joints, which gives very smooth rides.

Facilities

- DG Set for constant Electricity supply

This van is provided with 2 Nos. (1 stand-by) of 15 KVA DG for power supply to the entire bus. This DG set will ensure constant electricity supply for efficient working of critical equipment like AC, blood collection monitor, refrigerator, tea/coffee maker (optional) etc. Apart from this, the DG set is rugged enough to give electricity for working of the other electric items like music system, lights etc. which are installed in the bus.

- Air conditioned

This van is air conditioned with electrically operated hermetically sealed 6 units of 1 ton AC. It is designed for long run without failure. The AC is good enough to withstand atmospheric temperature up to 47 degree centigrade.

- Small cubicle for two for donor testing and filling of Questionnaire.

After the blood donors have filled Questionnaire, they need to undergo a brief private interview and medical screening. For this interview, there is provision for a small private cubicle for two. There is furniture with drawers, which can store things like B.P. meter. Some swabs, lancet etc. and a dustbin.

- Donor Beds



There are four fixed donor beds in this van. The space, which is available under these beds, is utilized for storage. This, under bed space is divided in to drawers with telescopic channels. Upon special request, we can also provide automatic donor beds (at additional cost).

The other drawers, under each bed also has the storing facility for the following:

Empty Blood bags

Disinfectant swabs

Bandage

Disinfectant mops

Syringe and needles

Empty pilot tubes

Bar code labels

Cotton

Scissors

Waste bin for disposing.

- Electrical connections

There are ample electrical points of 5 amp at different positions to fix and use any kind of electronic equipment.

- Refreshment Area with a refrigerator and storage space for Tea, snacks, drinking water etc.

There are well-displayed rack of various snacks and a glass door refrigerator for cold drinks. An electric tea/coffee maker can also be provided. You can also stock mineral water.

- Wash water and wash basin

A 200-litre water tank is provided for this. This will not be leaked to general atmosphere and there is a provision to extract this waste and disinfect the tank from inside.

- Waste water tank

There is a 200 ltr. tank at the bottom of the bus to capture the wastewater flowing from the washbasin. This tank can be emptied by using a conveniently place valve.

- Waste bin in the van

There is a provision for waste bin and biological waste bin near every donor bed. Biological waste bin collects only biological or contaminated waste.



- 22 degree facility-for storing Blood in trays

A special 22-degree zone with blood storage trays is provided to stock 100 units of blood. In this zone, the blood temperature is pulled down from 38 degree to 22 degree. This reduced the chances of bacterial contamination and still keeps blood good for manufacturing platelets.

- Music system

The music system of the van has CD changer cum Radio with good speakers for pleasant music. The van has two additional speakers on the left side. This is to provide entertainment to blood donors waiting outside or those filling the form out side. This all is to make Blood drive as a fun event to recreate blood donors

- Interiors-crevice free, non absorbent, Washable

All interiors are crevice free with smooth surface. All fabrics are non-absorbent, water and disinfectant cleanable Rexene. This is to avoid any absorbency of Blood on any of these surfaces.

- Emergency medicine

There is space provided for IV fluid-10 bottles, Oxygen Cylinder for emergency requirement.

- Chemical toilet

This toilet is charged with clean water and toilet additive. An easy to read level indicator signals the initial charge level and warns when the waste tank is almost full. A valve underneath the vehicle can be opened to evacuate the waste at an authorized disposal point.



- Seating for 5 people

A team of five make up the Blood drive crew. They have a comfortable drive all through. Their seats are front faced.

- Great Driver & Passenger Comfort

The vehicle is comfortable as any automobile in the road can be. Fully air-conditioned, power steering, air suspension for smooth ride, good quality FM radio and other music, large, very comfortable, hydraulically adjustable seats.



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