

Hazmat Trailer Specification

The trailer will be a white coloured, double axel, run-in braked trailer, designed to operate in uneven terrain. The trailer will have to carry a load above 700kg and have a heavy duty jockey wheel fitted in front of the A frame, in front of the trailer. The unit will be fitted with off road trailer tires, 255/70R15, that are strengthened on the side walls, and a spare wheel will be supplied. The super structure of the trailer will be a box type; fully enclosed with castle corners through the length that will consist of 5 roller shutter doors, 2 on each side and 1 rear, doors will all be lockable. The superstructure will be manufactured from Aluminium. The interior will have 3 heavy duty pull out shelves, 2 in front and 1 on the rear, with all equipment that are supplied properly fitted on the shelves. One of the shelves to be a heavy duty type and must be able to accommodate a generator. A second row of shelving will be fitted above the bottom shelves to make provision for equipment. All shelving to be constructed from 4,5mm aluminium plate and coated with a chip resistant paint. Adequate lighting will be fitted to the trailer interior, for use during night time incidents. A deep cycle battery system will be fitted in the trailer with a charger that can charge from towing vehicle or 220V to supply power to the lights. An access ladder will be fitted to the front of the trailer to provide easy access to the roof with the necessary grab handles installed. On the roof there will be 3 eyelids on either side to fasten equipment on the roof when needed; the trailer spare wheel would also be fitted in place and secured on the roof. All electrical wiring shall conform to a recognized code of practice acceptable to the purchaser. All exposed electrical wiring harnesses shall be supported and attached to body members, along the entire run. At any point where wire or looms must pass through metal, rubber grommets shall be installed to protect the wire from abrasion. Bins and brackets to fit and store the equipment will be part of the tender price. Provision is made for signwriting and reflective striping as per tender specifications.

The Hazmat trailer shall have the following emergency lights:

1. 2 x LED red rotating lights shall be mounted on either side of the rear of the roof
2. 2 x LED flasher just below roof height to increase visibility from the rear.
3. 2 x LED Flashers on each side of the trailer to increase visibility from the side (front and rear)
4. Standard brake, reverse and tail lights of the trailer would be installed in such a way that it is not underneath the lowest edge of the trailer.

NOTE: Emergency lights to have its own control unit that works independent from the towing vehicle's unit to allow lights to stay operational even when the towing vehicle is un-hitched

The following equipment will be supplied and fitted:

1. 2 X Complete Portable Gas Monitors (Testing LEL, O₂, CO, And H₂S hydrogen sulphide)
2. 12 X Level A & B Fully Encapsulated Hazmat Suits C/W Boots And Gloves (Specs To Be Supplied With Tender For This Item, To Include Shelf Live, Six Of Each Type)
3. 6 X Coveralls White, Level C (Specs To Be Supplied With Tender For This Item, To Include Shelf Live)
4. 6 X Rolls Chemical Tape
5. 1 X Wedge Kit
6. 1 X Patch & Plug Response Kit Series AE
7. 1 X Tank, Pipe And Drum Sealing Kit
8. 1 X 17 Piece Intrinsic Safe Tool Kit
9. 1 X Hazmat Hooligan Tool (Non Spark)
10. 2 X Plug And Dike Pre-Mix
11. 1 X Complete Emergency Spill Kit
12. 2 X Standard Decontamination Shower (Shower Pool And Elevation Grid To Be Included, In A Carry Bag)
13. 6 X Decon Brush (Please Specify If This Item Is Single Use Or Not And Shelf Life)
14. 4 X Brooms
15. 4 X Non Spark Shovel
16. 1 X Hazmat Fluid Transfer Pump With All Connectors And Piping (To Transfer Contaminated Fluid From Decon Showers)
17. 1 X Portable Decon Spray Hoop
18. 6 X Dräger PSS 000 SCBA Complete With FPS 7000 Mask And Composite Cylinder, To Include Carry Bags For Masks
19. 12 X Composite SCBA Cylinders Fitted With Access Flow Valve
20. Set Of Assorted Plastic Bags
21. 2 X Tasco Sierra Binoculars 10 X 42 Magnification
22. 1 X Decon Waste Fluid Tank 150 Gallons
23. 2 X Sets Of LED Scene Lights 220V (Intrinsically Safe, Tripod Type)
24. Weather Station To Indicate Wind Speed And Direction And Ambient Temperature And Windsack
25. 15 X 450mm Hi-Viz Road Cones With Reflective Stripes
26. 1 X Set Hazmat Lifting Bags, Complete With Accessories
27. 1 X Portable Positive Pressure Fan, Intrinsically Safe Including Ducting For Ventilation, 23cm In Diameter And Using 220 Volt Electricity
28. Full Chlorine Kid response equipment

29. Trailer must be registered as per Road Traffic Act

Signage

Trailer marking to match the design and colours used namely Red, Yellow and Blue Reflective Vinyl for vehicles. The words "ESKOM EMERGENCY SERVICES HAZMAT UNIT" will be applied to the sides, above the roller doors, in Black reflective vinyl. Sides and rear of vehicle to be fitted with reflective red and yellow chevron pattern and the wave pattern as per photos



Front view



Side view