

No. IV-21011/34/2009-Prov-I  
Government of India  
Ministry of Home Affairs

26, Man Singh Road, Jaisalmer House,  
New Delhi, 21.8.2009

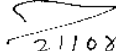
To

The DG: SSB/BPR&D

Subject:- QRs/ Technical Specifications of the Resuscitation Kit with anti shock  
trouser.

The QRs/ Technical Specifications of the Resuscitation Kit with anti shock  
trouser as per Annexure, has been accepted by the Competent Authority in MHA.

2. Henceforth, SSB should procure the above item required by them strictly as  
per the laid down Technical Specifications/QRs.

  
21/08/09.

(R.S.Sharma)  
Director (Prov)

9c

Copy to:-

DD(Procurement),MHA

Copy for information to:-

PS to JS(PM),MHA

**TECHNICAL SPECIFICATION OF RESUSCITATION KIT  
WITH ANTI SHOCK TROUSERS**

1. It should have complete Resuscitation Kit with Ambu Bag and Intubations equipment.
2. It should be a light and compact transport ventilator, with weight not more than 5 Kgs. having the following properties:-
  - It should have Control, Assist/Control modes for both Oxygen and Compressor.
  - It should have internal (built in) Air Compressor.
  - It should have provision to attach Chemical/Biological/bacteria/Viral Filter as optional.
  - It should have flow rate of minimum 30 Lpm, constant flow.
  - It should have breathing rate 10-20 BPM in steps of 2.
  - The Inspiratory Time should be variable based on selected Breathing Rate and tidal volume.
  - FiO2 should be 21% using ambient air or 100% O2 with external Source.
  - Airway pressure limit should be adjustable from 15-80 cm H2O.
  - Breath Trigger should be -2.0cm H2O.
  - It should have inbuilt battery with backup on Compressor of at least 6 hours and backup on Oxygen at least 11 hours.
  - It should have LED bar graph for patient Airway pressure monitoring.

Contd.....p/2

- It should have the audiovisual alarm systems, indicating Ext power Low/fall, Low Oxygen, Vt. Setting, patient Disconnection, Low Battery, System Failure and High Airway pressure.
  - It should have LED indicator to display remaining battery capacity/voltage.
  - It should have facility to connect to ambulance battery for Electric power supply.
  - It should have casing of strong polycarbonate with clear door.
  - Operating temp should be between-25 deg C to 49 deg. C.
  - Each standard kit should consist of Ventilator unit, AC-DC power supply, 12 VDC automotive power cable, Ventilator Circuit, padded case, Velcro Straps (2) extra fuses (2), Oxygen hose of 6 feet and Operation Manual.
3. Oxygen cylinder and Regulator : It should be light weight O2 cylinder of at least 680 Ltrs with pin index regulator. The O2 regulator should have accurate flow control with at least 15 standard flow settings in the 1-15 Ltr/min. Oxygen regulator has constant pressure outlet for connection to Automatic Transport Ventilator.
4. Essential Accessories in resuscitation Kit should include:
- Adult resuscitator
  - Laryngoscope with at least 4 Macintosh blades & handle (infant – adult)
  - Transparent face mask of size 0,2,4,5.
  - Pharyngeal airway at least of 4 different sizes.
  - PVC Et Tubes of various sizes : 3,5,7 & 9.
  - Instruction manuals etc.

Contd.....p/3

5. CPR kit should have following features:-

- System to provide CPR in emergency frequency beeper & pressure sensitive glow indicators for correct procedure
- It should have latex free transparent mask and one way valve.
- It should work on 9 V battery, in a light carry case.
- It has user friendly pad and mask both.

6. Suction Pump:

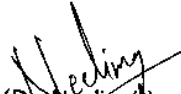
- Portable, light weight and manual/battery operated.

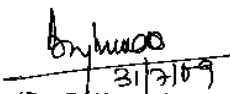
7. Anti Shock Trousers should have the following features:-


- It should be modular with easy access to femoral side.
- It should have automatic relief valves.
- Inflation/Deflation ball valves.
- Replaceable Air Chambers.
- It should be field maintainable, can be applied within 60 seconds and should be provided with carrying case and pump.

8. The company should have good after sales support and network across the country for support during the warranty period and later.

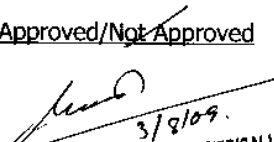
9. It should have latest protocol standards set by AHA or equivalent body, besides CE/ FDA.

  
(Dr. Neelima)  
2- I/C (Medical)  
25<sup>th</sup> Bn. Ghitorni

  
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Approved/Not Approved

  
3/8/09.  
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