

List of equipments for ALSA

1. Roll in Stretcher cum Trolley –:

The main feature of this should be easy loading mechanism. By applying the two handles fitted left and right at the foot end of the under construction this trolley's legs will fold away neatly when it is pushed into the ambulance. They should automatically unfold again when pulled out of the ambulance and lock into position. The adjustable backrest should be lockable in 3 different positions to give the patient extra comfort. Fitted with 4 wheels, 2 of which are fixed, 2 are swivel wheels to achieve better manoeuvrability. It should also be equipped with 2 fold down side rails to allow for easy patient transfer.

2. Folding Scoop Stretcher :-

Folding scoop stretcher should telescope to accommodate the tallest patient and folds for compact storage. Designed so that attendants can uncouple either end of the stretcher and gently scoop up the patient using scissors. Type closing motion. Tubular aluminium construction with extruded aluminium blades. Includes n. 3 nylon restraint straps.

- Minimum Length 167 cm
- Maximum Length 201 cm
- Folded 120 cm
- Width 42.5 cm
- Depth Folded 9 cm
- Weight 10 kg
- Load capacity 170 kg
- Wall Bracket
- Carrying Bag

3. Emergency Pole Stretcher (Two Folding) – :

Folds lengthwise and crossbar for compact storage with non-slip handgrips. Four feet rough terrain. Cross bars add comfort and support for patients.

4. Intubation Kit :-

- Kit to organize airway and also can be used as an independent kit.
- Laryngoscope handle – 1
- Laryngoscope Blade – 2
- Guedel airway set (0,1,2,3,4) – 1
- Endotracheal fuse set – (6,7,8,9) – 1
- Adhesive tape – 1
- Kit bag
- Magill Adult – 1
- Magill Paediatric - 1
- Mouth Wedge – 1

5. Emergency Kit :-

- Safety bag with 2 small side pockets and hard plastic case (removable) with Velcro lock & shoulder strap
- Sphygmomanometer – 1
- Stethoscope – 1
- Oxygen bottle 0.5L – 1
- Oxygen pressure reducer with diaphragm fixed calibration – 1
- Connecting tube – 1
- Resuscitation Bag – 1
- Adult mask V – 1
- Paediatric mask III – 1
- Portable manual aspirator – 1

- Guedel airway set (1,2,3) – 1
- Magill forceps – 1
- Universal Scissor – 1
- Tongue forceps – 1
- Tourniquet – 1
- Plastic penlight – 1
- Emergency blanket – 1

6. Manual Emergency Aspirator / Suction :-

(Should be included in the Emergency Kit)

Independent of any power source, the suction pump should be simple to operate by foot, hand or knee. It may be used to clear patients airway safely and efficiently, anytime, anywhere. All components should be easily accessible, may be removed, cleaned and replaced. Completely autoclavable. The aspirator should be complete with aspiration pump complete, suction vessel and over spill protection. Sizes – 223X165X113mm, Weight – 1.4 kg., Suction tube diameter – 10 mm., Vacuum – 0.7 bar/10psi., Suction Capacity – 320 mm., Suction Rate – 25 l/min.

7. Emergency Ventilator :-

Time cycled, volume constant transport ventilator for adult & paediatric patients. Microprocessor controlled, electrically driven ventilator, provided with integrated battery for 6 hours of operation.

Ventilation modes :- CMV, Assist, Assist CMV. Variable I : E, AIR-MIX or NO-AIR-MIX-switch.

Integrated measurement of all pressure parameters and expiratory volumes, visual and audible alarms for disconnection, stenosis, faulty setting and leakage. Monitoring of supply pressure and supply voltage. Operating temperature :- 18 to + 50 Degree C. Supply pressure :- 2.7 to 6 bar Electrical supply with internal battery or external electricity supply. Connecting cable for vehicle unit with DC/DC converter which should be provided.

- Vibration tested – accordance with MIL STD 810 E
- Airworthiness – In accordance with RTCA DO – 160 C
- Splashproof and radiation protection upto 30KV
- Scope of Supply should include :-
- Emergency Ventilator
- Respiration hose with measuring hose
- Respiration valve
- Carrying case
- 90 Angled connector
- Ni – Cd Accumulator
- Carrying belt
- AC / DC Converter
- Oxygen Pressure reducer for Pin Index cylinder
- Ambulance Adapter
- Instruction for use

8. Spine Board :-

The spine board should be built from high density cross linked polyethylene – this avoids splintering and cracking. The surface should be impervious to body fluids and petroleum products being easy to keep clean. For total immobilization for casualties. Features should include seamless moulding to eliminate ingress of fluid, firm surface for CPR & immobilization. Compact dimension for easy manoeuvring, 44.5X181.5 cms tapering to 31.5 cm. thickness 6 cms. Provision for positions for cervical collars or head immobilizers. Convex underside to allow easy lifting access, compatibility with standard rescue basket stretcher. The spine board should be x-ray translucent for spinal injury casualties. Weight :- 8 kgs and load capacity 171 kgs.

9. Patient Restraint System :-

Should be designed to provide full body immobilization. It should be compatible with all the full body length back boards with eight or more hand holds or strap slots.

10. Vacuum Splint Kit :-

Vacuum Splint Kit should include one arm (can be used to immobilize leg injuries of children as well as lower leg and foot injuries of adults), one leg splint (either the arm or leg splint may be used as full body immobilizer for infants and small children), one ankle splint, one foot vacuum pump all inside an orange PVC carrying case.

11. Fracture Splint Kit :-

Flexible splints should be made from blue washable neoprene with alumbar inlay and wide Velcro tapes for fixation.

- Set of 5 pieces includes :- Arm, Wrist, Full Leg, full Arm Straight, Angular supplied in orange nylon bag with zip.
- Set's weight only 1.2 kgs.
- Set's size only 67x30x5 cms.

12. Multi parameter Monitor :-

Colour Monitor 10.4"

ECG, SPO2, NIBP, RESP, Temp.

With Built in battery backup of 2 hours

Chargeable from the Inverter/Ambulance Battery

Should have rear clamp for mounting.

13. ECG Machine :-

Multi Channel Portable ECG Machine

14. Bi-Phasic Defibrillator with AED :-

One Biphasic defibrillator with Automatic external cardiac (AED) with cardiac monitor and non-invasive external pace maker with ECG recorder and SpO2 facility. Defibrillator should be suitable for ambulance operation, with adult and paediatric external fixed paddles and patient cable. Should be supplied with 10 multifunctional disposable pads each for paediatric and adult. Inverter/Ambulance Battery.

15. Syringe Pump :-

Syringe infusion pumps and one volumetric infusion pump meeting requirements and should be FDA/CE/BIS approved product.