

Technical Specifications

1. Escape Breathing Set: (Emergency Escape Breathing Device - EEBD)

The Escape Breathing Set shall be a self-contained Emergency Escape Breathing Device (EEBD) designed to provide breathable compressed air for safe evacuation from hazardous environments containing smoke, toxic gases, oxygen-deficient atmospheres or fire emergencies.

Technical Requirements:

EEBD shall have working pressure of 210 Bar and an air cylinder capacity of 3 litres. The unit shall provide a minimum working duration of 15 minutes with a total air supply greater than 600 litres. The breathing medium shall be compressed breathable air conforming to applicable standards. The apparatus shall be suitable for operation in temperatures ranging from -30°C to +60°C. The total weight of the fully charged unit shall be less than 7.5 kg.

The EEBD shall be equipped with a flame-retardant hood with a clear anti-fog visor providing full head protection. The device shall have quick and automatic activation upon opening or removal from the carrying case. The unit shall be supplied complete with a wall-mountable storage and carrying case and shall have a minimum shelf life of 10 years.

Applicable Standards: SOLAS Chapter II-2 requirements, IMO MSC/Circ. 849 or latest amendments, EN 1146:2005 & CE certified.

Accessories:

- Complete EEBD assembly
- Carbon Composite Air cylinder pre-filled to rated pressure
- Carrying & storage case
- Operating instructions/manual
- Inspection and maintenance guide
- Manufacturer's test certificate

Warranty:

Minimum 12-month warranty from the date of supply against manufacturing defects.

2. SCBA – 45 Minutes

Specification –

Type	:	Type-2 Positive Pressure Self-Contained Breathing Apparatus (SCBA)
Application	:	Designed for use in hazardous, oxygen-deficient, smoke-filled and toxic environments
Components	:	Full-face mask, back plate (Carbon Composite), air supply valve, pressure gauge and alarm whistle
Cylinder Type	:	Carbon Composite cylinder
Cylinder Capacity	:	6.0 Litres
Working Pressure	:	300 Bar

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Minimum Breathing Duration:	45 Minutes under normal operating conditions
Pressure Monitoring	: Integrated pressure gauge for continuous monitoring
Safety Alarm	: Audible alarm whistle for low air pressure warning
Standards (SCBA)	: IS 10245, EN 137:2006
Standards (Face Mask)	: EN 136:1998 + AC: 2003
Certification	: CE Approved
Cylinder Approval	: Valid PESO/CCOE approval
Valve Approval	: CE approved cylinder valve
Documentation	: Operating instructions, manufacturer's test certificates, and warranty documents

Accessories:

The SCBA shall be supplied complete with all essential accessories required for safe and efficient operation including-

- full-face mask with anti-fog visor
- Back plate and harness assembly
- 6.0-litre Carbon Composite air cylinder rated at 300 Bar,
- Cylinder valve assembly
- Pressure gauge for continuous monitoring
- An audible alarm whistle for low-pressure warning.
- A compatible air supply/demand valve,
- High-pressure hoses with necessary connectors,
- A Suitable carrying / storage arrangement.
- User manual and Copy of manufacturer's test certificates

Warranty:

Minimum warranty period of 12 months from the date of supply covering manufacturing defects. The OEM or authorized service provider shall provide necessary support during the warranty period. A copy of warranty certificate shall be supplied along with the equipment at the time of delivery.

Reflected Traffic Cone

Specification –

Traffic cone made of UV-stabilized flexible PVC. Height: 750 mm (preferred) or 1000 mm. Fluorescent orange colour with minimum two high-intensity reflective collars. Stable base with anti-slip design. Suitable for outdoor use.

3. Adult Silicone Reusable Ambu Bag – 1600 ml

Specification –

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The Adult Manual Resuscitator (Ambu Bag) shall be made of medical-grade silicone material suitable for repeated use in emergency ventilation support.

Type	:	Adult manual resuscitator (Ambu bag)
Material	:	Medical-grade silicone
Reusability	:	Reusable and autoclavable
Bag Capacity	:	Approximately 1600 ml
Oxygen Reservoir:		Provided with oxygen reservoir bag
Safety Feature	:	Pressure relief valve to prevent over-inflation
Certification	:	CE and/or FDA certified or equivalent international standard
Application	:	Emergency manual ventilation support for adult patients

Accessories:

Oxygen tubing and adult face mask included

4. Ultima Lithium AA Battery for Neon Tester

Specification –

Ultima Non-Rechargeable Lithium battery Size AA compatible with approved Neon Tester model. Minimum capacity as per OEM recommendation. Overcharge, over-discharge, and short-circuit protection. Supplied with manufacturer test certificate.

Battery Type	:	Lithium Primary Battery
Battery Size	:	AA (IEC LR03)
Nominal Voltage	:	1.5 V
Chemistry	:	Lithium Iron Disulfide (Li-FeS ₂) or equivalent Lithium Tech.
Application	:	Suitable for Neon Tester, High Voltage Detector (HVD), Test Instruments, Safety Devices and other high-drain electronic equipment
Operating Temperature	:	-30°C to +60°C
Shelf Life	:	Minimum 15 Years
Leakage Protection	:	Advanced Anti-Leak Technology
Environmental Compliance	:	Free from added Mercury, Cadmium and Lead
Performance	:	Long-lasting power suitable for intermittent & continuous use
Compatibility	:	Compatible with OEM HVTI Neon Testers.

Packing & Pricing:

The batteries shall be supplied in the manufacturer's original sealed pack containing a maximum of 3 or 4 batteries per pack. The bidder shall quote the rate for one individual battery only, irrespective of the pack size offered.

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Warranty:

Batteries shall be supplied with a minimum 12-month replacement warranty against manufacturing defects.

Batteries shall have a minimum remaining shelf life of minimum 12 months at the time of supply & Manufacturing date shall not be older than 12 months from the date of delivery.

5. Ultima Lithium AAA Battery for HVD

Specification –

Ultima Non-Rechargeable Lithium battery Size AAA, compatible with High Voltage Detector.

OEM-approved battery pack. Minimum operating life as per manufacturer's specifications.

Protection against overcharging and deep discharge.

Battery Type	:	Lithium Primary Battery
Battery Size	:	AAA (IEC LR03)
Nominal Voltage	:	1.5 V
Chemistry	:	Lithium Iron Disulfide (Li-FeS ₂) or equivalent Lithium Tech.
Application	:	Suitable for Neon Tester, High Voltage Detector (HVD), Test Instruments, Safety Devices and other high-drain electronic equipment
Operating Temperature	:	-30°C to +60°C
Shelf Life	:	Minimum 15 Years
Leakage Protection	:	Advanced Anti-Leak Technology
Environmental Compliance	:	Free from added Mercury, Cadmium and Lead
Performance	:	Long-lasting power suitable for intermittent & continuous use
Compatibility	:	Compatible with OEM Jarsh Smart Volt.

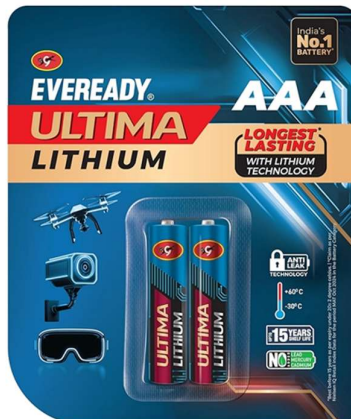
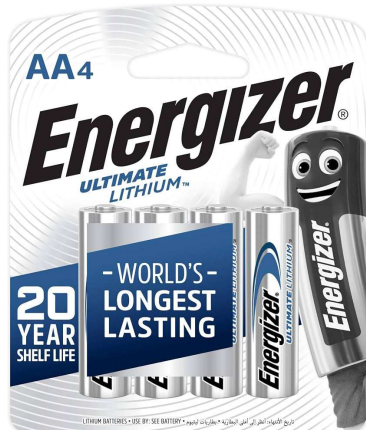
Packing & Pricing:

The batteries shall be supplied in the manufacturer's original sealed pack containing a maximum of 2 batteries per pack. The bidder shall quote the rate for one individual battery only, irrespective of the pack size offered.

Warranty:

Batteries shall be supplied with a minimum 12-month replacement warranty against manufacturing defects.

Batteries shall have a minimum remaining shelf life of minimum 12 months at the time of supply & manufacturing date shall not be older than 12 months from the date of delivery.



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6. Gazebo Tent (20' × 10' × 10')

Specification –

Portable foldable gazebo tent. Size: 20 ft × 10 ft × 10 ft. Waterproof and UV-resistant polyester/PVC fabric (minimum 300 GSM) with side wall. Powder-coated steel/aluminum frame. Wind-resistant design with anchoring kit. Printed branding/logo provision. Carry bag to be included.

Type	:	Portable Foldable Pop-Up Gazebo Tent
Size	:	20 ft × 10 ft × 10 ft (Approx. 3 m × 6 m)
Frame Material	:	Heavy-duty powder-coated steel or aluminum frame
Fabric Material	:	High-density polyester fabric with PVC coating
Waterproofing	:	100% waterproof fabric suitable for outdoor use
UV Protection	:	UV-resistant canopy fabric
Side Walls	:	Min. 3 side walls with window panels & Velcro attachment
Installation	:	Quick setup and dismantling from full size to portable without tools.
Adjustment	:	Adjustable height arrangement
Wind Resistance:	:	Suitable for outdoor use with anchoring provisions
Frame Finish	:	Corrosion-resistant powder-coated finish
Weight	:	Maximum 35 kg
Colour	:	Blue
Branding	:	Provision for printing logo and safety messages on canopy
Application	:	Emergency response activities Outdoor training programs, safety awareness campaigns, public outreach events, and temporary shelters

Accessories:

- Complete foldable gazebo frame assembly.
- Waterproof canopy top cover.
- Minimum three detachable side walls with transparent window panels.
- Ground anchoring pegs/stakes.
- Guy ropes for additional stability.
- Carrying/storage bag with wheels and handles.
- Fasteners, connectors, and mounting hardware required for installation.
- User instruction manual.

Warranty:

Minimum 12 months warranty against manufacturing defects in frame, fabric, stitching and accessories.

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NB: The canopy fabric shall be made of high-density polyester with PVC coating, providing 100% waterproof performance, UV protection, and good tear strength, suitable for prolonged outdoor use. The gazebo shall be capable of being erected and dismantled quickly and shall withstand normal outdoor operating conditions.



7. Emergency Portable Power Station – 800W

Specification –

Portable rechargeable power station with minimum 800W continuous output and surge capacity $\geq 1600W$. Lithium battery capacity $\geq 700Wh$. AC, DC, USB-A, USB-C outputs. Pure sine wave inverter. Fast charging capability. Battery Management System (BMS) protection. IP-rated enclosure preferred.

Type	:	Portable Rechargeable Power Station
Continuous Output Power	:	Minimum 800 W
Peak/Surge Output Power	:	Minimum 1600 W
Battery Technology	:	LiFePO4 (Lithium Iron Phosphate) or superior Battery Capacity
	:	Minimum 700 Wh (Preferred ≥ 800 Wh)
Inverter Type	:	Pure Sine Wave Inverter
AC Output	:	Minimum 3 Nos. AC output sockets, 230V AC
USB Output	:	Minimum 1 USB-A and 2 USB-C ports
DC Output	:	12V DC Car Socket and DC Output Ports
USB-C PD Output	:	Minimum 100W PD Fast Charging
Charging Options	:	AC Charging and Vehicle Charging
Fast Charging	:	AC fast charging capability
Battery Protection	:	Intelligent Battery Management System (BMS) with overcharge, over-discharge, overload, over-temperature and short-circuit protection
Display	:	Digital LCD/LED display showing battery status, charging status and output parameters
LED Light	:	Built-in Emergency LED/SOS Light
Operating Temperature	:	$-10^{\circ}C$ to $+55^{\circ}C$ minimum, suitable for continuous outdoor field operation
Portability	:	Compact portable design with carrying handle
Application	:	Emergency response, substation backup, field maintenance, disaster management, communication equipment, laptops, lighting systems and charging of portable devices

Preferred Brand & Model : Luminous Edge GO P1200 or Equivalent.

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Accessories:

- Integrated LiFePO4 battery pack.
- AC charging adapter and power cord.
- Vehicle charging cable.
- Built-in LED emergency light with SOS mode.
- Carrying handle.
- User instruction manual.
- Manufacturer's test certificate and warranty documents.

Warranty:

Minimum 2 years warranty on the power station and battery system.



8. Emergency Flood Light Rechargeable – 70W

Specification –

Rechargeable LED flood light, minimum 70W output. Luminous flux ≥ 7000 lumens. Lithium battery backup minimum 4–6 hours at full brightness. IP65 or higher protection. Adjustable stand/handle. Charging indicator and overcharge protection. Suitable for emergency response and outdoor use.

Type	:	Portable Rechargeable LED Flood Light
Rated Power	:	72 W
Input Voltage	:	12V DC
Light Source	:	3W LED $\times$ 24 Nos. (or Any)
Light Output	:	Minimum 6000 Lumens (Spot & Flood Mode)
Light Modes	:	Spot Light and Flood Light (Switchable)
Color Temperature:		> 7000K
Battery Type	:	Rechargeable Litium Battery
Battery Backup	:	5 Hours (High Mode) 9 Hours (Low Mode)
Charging Time	:	Approximately 3.5 Hours
Protection Rating:		IP65

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Body Material	:	Aluminum
Lens Material	:	Polycarbonate (PC)
Tripod Material	:	ABS Plastic
Minimum Height:		81 cm
Maximum Weight	:	6 kg
LED Life	:	More than 50,000 Hours
Application	:	Suitable for industrial, emergency, rescue, field operations, maintenance work, and disaster response

Accessories:

- Rechargeable LED work light assembly.
- Telescopic adjustable tripod stand with a Minimum height of 81 cm.
- Integrated rechargeable Litium battery pack.
- Battery charging adapter and charging cable.
- Portable suitcase-type carrying / storage case.
- Switchable Spot and Flood lighting arrangement.
- Carrying handle for easy transportation.
- User instruction manual.
- Manufacturer's test certificate and warranty documents.

Warranty:

The flood light shall be covered under a minimum 12-month warranty from the date of supply.

