MEDICAL DISASTER PORTABLE

FIELD HOSPITAL SPECIFICATIONS

FOR

HONOLULU INTERNATIONAL AIRPORT

RFP No. EO1741-07

ATTACHMENT L

Specifications

50 bed portable hospital units and supplies with negative pressure capability

Upon extensive research over the past two years, numerous equipment demonstrations, and review of equipment and bulk packaging available in the United States, EMS Innovations has been identified to meet both equipment and packaging needs for standardization of deployment. EMS Innovations, Inc is the sole source supplier of the equipment specified, holding 16 patents and producing 58 of the products included in this system. The packaging and organization of these systems is critical to the successful deployment of these portable hospital systems and has only been demonstrated by EMS Innovations, Inc in their unique design of their trailers and deployment systems. This equipment must be capable of deployment both within a fixed shelter facility and independent of any fixed facility, including the ability to create a negative or positive pressure environment for patient care.

Under the federal requirements, National Bioterrorism Hospital Preparedness Program FY2005, the States are mandated to provide remote relocation of patients and medical staff and equipment in a three hour time period. The requirement states "establish systems which, at a minimum, can provide triage treatment and initial stabilization, above the current daily staffed bed capacity, for the following classes of adult and pediatric patients requiring hospitalization within three (3) hours in the wake of a terrorism incident or other public health emergency: 500 cases per million populations for patients with symptoms of acute infectious disease."

The assumption is that it will take staff 1.5 hours to get to necessary equipment and transport/relocate that equipment to the required sites. This leaves an operational window of 1.5 hours to fully deploy all the required systems and patient care items. Therefore, ALL systems of care must be fully operational within 90 minutes from start of assembly to finish utilizing a crew of not more than six (6) individuals.

WARRANTY

This purchase shall include a 10-year warranty on chassis of the trailers. The bodies of the trailers shall be guaranteed for 2 years and the items on the trailers shall be guaranteed based on the warrantees of the manufacturer(s).

EDUCATION AND TRAINING

Vendor will provide multiple training sessions free of charge utilizing equipment outside of the purchased package. The times, locations, and dates of the training sessions will be determined upon delivery and discussion between the parties involved but shall include at least 1 training sessions for each portable hospital acquired. The training will be supervised directly by a Physician involved with the manufacturing of these products and will include a staff of professionals including an emergency room nurse, a hazmat specialist, infection control officer and a maintenance specialist.

Vendor will provide each training participant with a classroom manual and hands-on training with all elements of the system.

DELIVERY
Vendor must be able to provide the equipment and the packaged units within 8 weeks of the purchase order issuance.

MINIMUM STANDARD OF READINESS

Each Medical Disaster Field Hospital (Unit) must be capable of being fully operational within 60 minutes of arrival on scene, "ready to provide care to patients," utilizing a crew of not more than six (6) individuals.

Each Medical Disaster Field Hospital (Unit) shall include:

ITEM 1: MEDICAL TRAILER (Qty 1)

28 foot x 8.5 foot PACE American Shadow enclosed Trailer
7'4" interior height
85" height rear door
60" triple tube tongue
1 pair of bogie wheels
1 spare tire and wheel
1 non-power vents
2 12 volt quartz lights wired for back-up
1 500 watt quartz light mounted on rear
1 110 volt wall switch for quartz lights
1 13.5 BTU ac unit with heat strip and remote thermostat
1 battery charger/maintenance with shore cord
1 recessed battery box
28ft walk-on roof with 33" safety handrails encompassing the entire roof
20' 8500 series awning on curbside
1 bar lock for side door
1 sand foot for tongue jack
1 electrical package #3: 4-4ft fluorescent lights/diffuser; wall switch; 4 outlets; 30 amp panel with shore cord; 1 cable hatch; 1 exterior GFI outlet
28ft finished interior aluminum treadplate floor
1 detachable front roof ladder
1 L-shaped base with straight overhead Aluminum cabinetry
1 40 gallon water system with demand pump
1 44 gallon waste tank with dump valve
1 locking city water fill
1 12volt battery
1 single sink with faucet and cabinet integral to counter tops
1 GEP prep package 43 x 32 x 24 compartment; 40 x 32 generator door, generator slide tray
1 generator receptacle 30 amp
1 7500 watt generator
1 r-5 fiberglass insulation in walls
1 r-5 fiberglass insulation in ceiling
1 ceiling vinyl headliner
1 vinyl walls

1 Max Air vent for passive ventilation
1 full aluminum floor

The interior of the trailer shall have two racking systems, one for the carts containing beds, and two racks designed in a manner that will restrain/secure 60-container bins without the additional aid of cargo netting, strapes, ropes or buggies. The bins shall be easily removed or returned without being encumbered by any device. In addition, one air cascade system rack and dive/scba bottle rack. The trailer shall have floor cabinetry and wall cabinetry in the front with sink and sink cabinetry adjacent to the generator box cabinetry. All contents will be anchored to the floor or wall units.

1. The trailer must be accompanied by an owner's manual and operational checklist.
2. The vendor must indicate the gross towing weight capacity necessary for a vehicle.
3. All lettering and striping is to be included in the package price
4. All interior contents are to be color-coded and labeled according to standard triage criteria.
5. The unit must be capable of maintaining constant temperature on both 12 volt and 120 volt systems. There must be an on-board battery conditioner for the 12 volt system.

ITEM 2. SUPPORT TRAILER (Qty 1)

20 foot by 8 foot PACE American enclosed trailer
Tandem 5,000lb axles
2 non-powered roof vents
60" triple tube tongue
1 Barlock for side door
1 sand foot
White vinyl sidewalls
White vinyl ceiling liner
Full vinyl floor
r-5 fiberglass ceiling insulation
r-5 fiberglass insulation in walls
1 13.5 BTU ac unit with heatstrip and thermostat
1 battery charger/conditioner for 12 volt system
1 30amp panel with shore cord
1 cable hatch
2 4 foot fluorescent lights with defusers
3 interior outlets
1 exterior GFI outlet
1 aluminum treadplate floor

ITEM 3. MEDICAL DISASTER SURGE BEDS (Qty 50)

General Specifications at a minimum:

1. The bed shall be engineered to resist tipping and have a stable tension loaded deck.
2. The size of the bed shall be 34 inches X 86 inches X 22 inches and weigh approximately 30 pounds.
3. The bed shall withstand a capacity of 750 pounds of weight.

4. The bed shall be constructed of stainless steel tubing, with molded high density components and flexible mesh decking.
5. The bed's head shall have multiple adjustments, multiple foot and Trendelenburg positions, and include one IV pole per bed.
6. The bed shall have a two inch vinyl coated foam mattress
7. When folded, the bed should be approximately eight inches deep.
8. The beds must be accompanied by an owner's manual and operational checklist.
9. The bed shall be constructed of STAINLESS STEEL

ITEM 4. PORTABLE MEDICAL WARD SHELTERS (Qty 3)

General Specifications at a minimum:

1. The dimensions shall be twenty-two feet by forty-two feet erected and 10 feet in height.
2. The cover shall be made of heavy duty 420 Denier nylon (or polyester or other equivalent) coated with polyurethane (PVC) on both sides, UV/Chemical resistant and fire retardant.
3. The color shall be Royal Blue.
4. Each shelter shall come with an integral ground floor; roll-up windows; roll-up, full zip entry and exit doors; air filtration valve; pressure relief valve; electric 8hp inflation/deflation pump; jack; pegs/rods; repair kit; manual; carry bag; hammer; and moving cart. It must have the capability to attach to a second similar shelter or complex together with multiple similar shelters. The shelter shall have internal dividers to allow for multiple configurations. The floor must seal to the sidewalls with Velcro (hook & loop).
5. Each shelter shall have hangers on the ceiling for the light set.
6. The shelter will be inflatable and constructed as follows:
    a. The frame shall be constructed of heavy duty 1100 Dtex Polyester (or equivalent) coated with plastomer on both sides, UV/Chemical resistant and fire retardant.
    b. Each shelter must be capable of being inflated by compressed air diver tanks or SCBA bottles or Electric Inflation Devices.
    c. Each shelter shall have an inflator/deflator mechanism that will be compatible the tent and inflate the unit in under 5 minutes
    d. Each Shelter shall be accompanied by a Rigid internal frame structure that may be assembled and placed within the tent for extended deployment. The unit should be self-standing and not interfere with patient care areas within the structure. The unit shall be made of Aluminum and be capable of being used with any of the structures included in the complete package (one size fits all structures)
    e. Each shelter shall have two air ducts for HVAC systems
7. Each shelter must be accompanied by an owner's manual and operational checklist.
8. Each shelter shall support 16 patients with 50 square feet per patient.
9. Individual Curtains of white lightweight nylon for patient care areas shall be available for each shelter.
10. The center isle shall be at least 5 ½ feet wide after patients have been placed in the tent.
11. The shelter must be capable of negative pressure isolation with the appropriate equipment.

ITEM 5. PORTABLE WORK AREA/TECHNICAL SUPPORT SHELTERS (Qty 3)
General Specifications at a minimum:

1. The dimensions shall be approximately thirteen feet by twenty-three feet erected and ten (10) feet in height.
2. The cover shall be made of heavy duty 420 Denier nylon (or polyester or other equivalent) coated with polyurethane (PVC) on both sides, UV/Chemical resistant and fire retardant.
3. The color shall be Royal Blue.
4. Each shelter shall come with an integral ground floor; roll-up windows; roll-up, four full zip entry and exit doors; air filtration valve; pressure relief valve; electric 8 hp inflation/deflation pump; jack; pegs/rods; repair kit; manual; carry bag; hammer; and moving cart. It must have the capability to attach to a second similar shelter or complex together with multiple shelters. The shelter shall have internal dividers to allow for multiple configurations. The floor must seal to the side walls with Velcro hook and loop. There should be FOUR doors (one on each wall) allowing the shelters to be complexed in multiple configurations.
5. Each shelter shall have hangers on the ceiling for the light set.
6. The portable shelter shall be inflatable, capable of inflation under 3 minutes.
    a. The frame shall be constructed of heavy duty 1100 Dtex Polyester (or equivalent) coated with plastomer on both sides, UV/Chemical resistant and fire retardant.
    b. Each shelter must be capable of being inflated by compressed air diver tanks.
    c. Each shelter shall have an inflator/deflator mechanism that will be compatible with the tent and inflate it within 3 minutes
    d. Each Shelter shall be accompanied by a Rigid internal frame structure that may be assembled and placed within the tent for extended deployment. The unit should be self-standing and not interfere with patient care areas within the structure. The structure should be made of Aluminum and fit any of the structures in the system (universal support system)
    e. Each shelter shall have two air ducts for HVAC systems
7. Each shelter must be accompanied by an owner's manual and operational checklist.
8. Each shelter shall support 290 square feet of working space within the shelter.
9. Individual Curtains for patient care areas shall be available for each shelter. (shelter may be utilized to hold isolation, children or critical care patients)
10. The center isle shall be at least 4 feet wide after patients or equipment have been placed in the tent.
11. The shelter must be capable of negative pressure isolation with the appropriate equipment.
12. Each shelter must be accompanied by an owner's manual and operational checklist.

ITEM 6. PORTABLE GENERATOR, 15kw (Qty 3)

General Specifications at a minimum:
1. The generator shall be rated at 15,000 watts maximum, a surge capacity of 22,500 watts, a running wattage of 13,500, and is 120/240 AC volts.
2. The generator shall be single phase and have an electric starter.

3. The generator shall be fueled by normal octane gasoline.
4. The generator shall be mounted to and protected by a metal roll cage and have a pneumatic wheel kit for ease of movement.
5. The generator shall have a spin-on oil filter, and a low oil pressure shutdown capability.
6. The generator's alternator shall be 2-pole brushless.
7. The generator shall have an automatic solid state voltage regulator.
8. The generator shall meet EPA and CARB certification for low emissions and have an industrial muffler.
9. The generator shall have a maintenance-free battery.
10. Each generator shall come with a gas can having a five-gallon capacity.
11. Each generator shall be provided with two 50-feet extension cords.
12. Each generator shall come with an owner's manual, operational checklist, and two-year warranty.

Item 7: PORTABLE WATER SYSTEM (Qty 1) AND SINKS (Qty 3, ONE FOR EACH WORK AREA/TECHNICAL SUPPORT SHELTER)

General Specifications at a minimum:
2. The system shall have an intake valve and a separate emptying valve.
3. It shall have a 0-60 PSI pressure sensitive variable ¾ horsepower pump and a pressure control hose.
4. The system shall include a 125,000 BTU propane instant water heater mounted with a tip-proof stabilization system.
5. The system shall have hose lines, all fittings and connections with the hot water system and three portable sinks. Each sink shall be drained to the collection system. Each sink shall have hot and cold water at the tap. Each sink shall be enclosed within an aluminum cabinet cart and be completely self contained.
6. The water supply system shall have the capability to connect to a domestic water source or a water "buffalo" trailer. It shall also be capable of drafting water from a fixed water source.
7. The system must be accompanied by an owner's manual and operational checklist.

ITEM 8. WASTE WATER COLLECTION SYSTEM (Qty 1)

General Specifications at a minimum:
1. The water containment system shall have a 300-gallon capacity holding reservoir.
2. It shall be constructed of resilient collapsible material.
3. The system shall have an intake valve and a separate emptying valve.
4. The system shall include all hose lines, waste lines with compatible fittings and connections with the hot water system, the shower and the portable sink systems. It shall have a pressure sensitive pump.
5. The system must be accompanied by an owner's manual and operational checklist.

ITEM 9. LIGHTING SYSTEM (Qty 6)

General Specifications at a minimum:
1. The lighting system shall consist of 4 four feet 60-watt fluorescent lights w/defuser, and GFI for each 22' x 42' tent and 2 4foot 60 watt fluorescent lights for each 13 x 23ft tent. Each shall be shatter-proof and self-contained.

2. It shall be capable of being hung from the shelter ceiling by preinstalled hangers.
3. The system can be illuminated by either generated power or a domestic source.
4. The system must be accompanied by an owner's manual and operational checklist.
5. A wiring harness for all electrical appliances must be included for each tent. This harness must support all lights, HVAC, Negative pressure systems, water systems, refrigerators and additional medical equipment throughout the tent system. It must be a minimum of 10/3 indoor/outdoor flexible wire and have approved junction boxes for outlets and system connections.

ITEM 10. AIR BOTTLES (Qty 24)

General Specifications at a minimum:
1. The bottles shall be used for providing compressed air to inflate the shelters.
2. The bottles shall come with 6-regulators compatible to the type of bottle provided.

ITEM 11. INFLATION DEVICE (Qty 1)
Each tent shall come with one inflator/deflator capable of inflation within 5 minutes. Each inflator must serve as a deflator of the tents and be a minimum of 8 hp.

ITEM 12. PORTABLE SHOWER/TOILET (Qty 6)

General Specifications at a minimum:
1. The portable shower/toilet system shall consist of a portable privacy tent that is capable of being set up using pre-strung poles and connections.
2. The portable shower/toilet system shall have a zip door for privacy, three windows on the sides with flap, Velcro strap at the top to allow shower hose to be suspended.
3. The portable shower/toilet shall utilize the "wag bag" toilet and bagging system.
4. The portable shower/toilet shall come with one case of 100-toilet degradable, landfill approved; odor-neutralizer bags each compatible to the unit provided that can be disposed of in trash with regular garbage.
5. The shower system shall have a Zodi, or equivalent, portable hot water heater and shower. The hot water heater shall be twin burner and a 20,000 BTU output. The water temperature shall not exceed 100 degree Fahrenheit and will be instantaneous.
6. The portable shower shall have one shower head and hot and cold water connections, with handles.
7. The portable shower shall have a plastic riser, sized to fit the shower shelter, to stand on while showering, capable of withstanding up to 250 pounds.
8. The portable shower shall be constructed of flame-retardant nylon Taffeta material and each one shall have stakes with a carrying case. There shall be zippered doors and windows with flaps for privacy.
9. The portable shower must be accompanied by an owner's manual and operational checklist.
10. The device must be capable of being used at the patient's bedside without any additional water lines or electric connections. Bedside collection trays must be provided for patient baths within the medical treatment areas.

ITEM 13. PORTABLE AIR-CONDITIONING SYSTEMS (Qty 4)

General Specifications at a minimum:
1. The portable air-conditioning system shall be capable of operating from either power

provided by the generator or a domestic source.
2. The system shall have GFI grounding and no exposed movable parts.
3. The air conditioning system shall have attached wheels for mobility.
4. Each air conditioning system shall have 60,000 BTU rating capable of cooling the largest shelter (see Item 3 for dimensions) to an ambient temperature of 75 degrees with a capacity of 16 bedridden patients.
5. The system shall come with a minimum one-year warranty and an owner's operation manual.
6. The heating and air conditioning systems must be separate and mobile without requiring a connection to a trailer based system. This is to facilitate use of the equipment within a fixed facility.

ITEM 14. PORTABLE HEATING SYSTEMS (Qty 4)

General Specifications at a minimum:
1. The portable heating system shall be propane operated with an electrical fan source built into the unit.
2. The system shall have GFI grounding and no exposed movable parts.
3. Each system shall have 125,000 BTU capable of heating the largest shelter (see above for dimensions) to an ambient temperature of 80 degrees with a capacity of 16 bedridden patients.
4. The system shall have one duct to deliver heated air and a corded thermostat to control temperature.
5. The system shall come with a minimum of one-year warranty and an owner's operation manual.
6. The system shall include all ductwork and air diffusers
7. The heating and air conditioning systems must be separate and mobile without requiring a connection to a trailer based system. This is to facilitate use of the equipment within a fixed facility.

ITEM 15. Air Cascade System (Qty 1)
1. The trailer shall have 10 mounted Super M265 cylinders each having a capacity of 7500 liters of oxygen
2. The cascade system shall include all bottle connections and one master regulator
3. A hose system containing 50 oxygen outlets will be included. Each outlet will be capable of providing 0-25 lpm.
4. The system shall be able to be deployed in three sections. Each section should function independently.
5. The hose utilized must be durable and capable of outside use. The system must provide 25lpm of oxygen at all outlets.

6. The system should be capable of being removed from the trailer and placed into a existing shelter facility.

ITEM 16: NEGATIVE PRESSURE SYSTEM WITH ANTEROOM (Qty 6)
1. Continuously filters the room and Anteroom with 0- 600 cfm
2. 99.995% HEPA filtration with variable adjustment
3. Integral filtration meter, room differential pressure read out with data logging
4. UV microbial Irradiation
5. Field replaceable filter unit

6. ANTEROOM constructed of clear vinyl material with a rigid outer frame with an inflatable cuff to "seal to the room"
7. Lightweight system can be moved by one person
8. Includes all ducts and connections
9. May be used independent of tent systems in buildings and other structures

ITEM 17. MEDICAL SUPPLIES PACKAGE (Qty 1)

Item	Description	MFG	Model Number	Unit of Issue	Total Units Required
All supplies are based on the needs of one (1) 50 beds subunit; two 12 hour shifts per 24-hr day and approximately 6 staff providing direct patient care per shift.					
Supplies for Receiving & Classification					
Admit form packet	*Extended End-Tab File Folders *8 Tab Chart Divider Set	Ames /AmeriFile	F3002 & I30228	50 per box/ 50sets per box	300
folding table 2 x 4	*20"X48" Multi-Use Table *Heavy -duty 7/8" tubular steel frame *Automatic slide-action leg locks *Sturdy 3/16" hardboard top with deluxe easy-care supported vinyl *Non-marring leg tips *Folds to 1/4" flat *10-Year limited warranty	Cosco	14349	1	5
Folding Tables 4 x 4	*Table- heavy duty 1 1/8" tubular steel and extra large 1" steel legs *Steel-action leg locks *Sturdy 3/16" hardboard top with deluxe east-care supported vinyl *Non-marring leg tips *Folds to 1 1/4" flat	Cosco	14586	1	5
Chairs	*Chairs: Heavy-duty 7/8" tubular steel frame is strong yet lightweight *Two leg braces for maximum strength and durability *Generous 15 3/4" and 15 3/4" seat with deluxe 1 1/2" cushioned seat *Durable touch texture finish *Non-marring leg tips *10 Year limited warranty	Cosco	14586	1	30
Pens	Paper Mate Ballpoint Stick Pens *1.0mm medium point for strong sure strokes *High-quality Lubriglide ink for a smoother flow *Nonrefillable	Sanford	33311	box of 12	30
Indelible Markers	Avery Carter Permanent Marker, Click-seal extends marker life *Fade-resistant for long-lasting bold *Chisel tip for line-size flexibility *Black *Certified AP nontoxic *Smudge-resistant ink	Avery Dennison	AVE27-178	box of 12	50
Clipboards	OIC Hardboard Clipboards, Ltr Size,9"X121/2",Brown	Officemate Intnl.	83150	Pack of 2	50
Portable File Boxes	*Bankers Box Quick Stor,101/4"HX12"WX151/4"D *Letter/Legal size	Fellowes	78903-04	Pack of 3	6
Directional Signs	81/2"X11" laminated sign	EMS Innovations		1	15
Walkie Talkies	*MicroTalk FRS/GMRS 2 Way Radio tow pack with up to 6 mile range *UHF/FM *6mile range *22 Channels *38 Privacy Codes *Battery Saver Circuitry *Scan feature *Key Lock *5 Call Tones *Roger beep Tone (selectable) *Auto Squelch *Maximum Range Extender *Illuminated LCD *Keystorke Tone Signal *Speaker/Microphone Jack *Belt Clip *1 Year warranty (on radios) *Unit Dimensions 5.69"H X 2.33"W X 1.38"D including antenna *Unit Weight 2.82 oz. *RF Output 1 W	Cobra	PR245-2	2	16

Megaphone	*Galls Street Thunder Hand Held Megaphone *25W of power with a 115 db siren *900 ft of clear, crisp voice projection *Whistle, StreetThunder, Yelp, Wail and Hi-Lo sounds *Revolver switch for selecting sounds *Comfortable pistol grip with press-to-talk switch *Feedback suppressing circuitry *Includes shoulder strap for easy carrying *Durable plastic construction *Uses 8 C-cell batteries	Galls	AP101	1	1
IV Supplies (approximately 50% or 25 patients/day estimated to require IVs) 50 pts first day, then 10 new pts/day for 6 remaining days = approx. 110 different pts/wk (88 adults; 22 peds)					
Alcohol pads (multiple widespread use)	Topical Antiseptic/Anti infective Saturated w/70% isopropyl alcohol, gamma sterilized to meet AAMA/ANSI/ISO 11137 Standards - Non woven pad, 1-3/4" x 3-1/4" - Large	Triad	#10-3002	Box	14
Catheters, intraosseous module blue (pediatric use)	Allows Safe & simple aspiration of marrow from sternum, and can also be used to administer fluids to pediatric patients *Interlocking brush and dust pan *Split-tip fibers on brush *8" wide dust pan of all-plastic construction won't rust or crack *Convenient hang hole	Jamshidi	621515	Ea	7
Intermittent IV access device (lock)	Intermittent Injection site w/male luer connector	Kawasumi	3501	50/box	5
IV catheters, 18g w/protectocath guard	Push off plate on the hub, transparent iso standard color coded hubs embossed with catheter size, locking bevel indicator, sharp needle bevel, rounded catheter tip, safety clip automatically engaged when the needle bevel exits, allows pre-attachment of a syringe to the IV catheter	Braun	7204	50/box	3
IV catheters, 20g w/protectocath guard		Braun	7205	50/box	3
IV catheters, 22g w/protectocath guard		Braun	7207	50/box	1
IV Fluid Bags, NS, 1000CS (required by 60% of patients)	.9%Sodium Chloride 1000 ML	Baxter	Baxter 2B1324X	12/case	18
IV fluid bags, D5 1/2NS, 1000cc (required by 40% of patients)	Dextrose 5% in Water	Baxter	Baxter2B0064)	12/case	18
IV start kits	Includes 1 Tegaderm IV Dressing (6cmx7cm), 1 ea impermeable drape, 2 2"x2" gauze sponges, 2 ea alcohol wipes, 1 ea PVP-iodine prep, 1 ea latex free tourniquet, 1 ea transpore tape 36", 1 ea ID label - Latex Free	Tegaderm		25/box	2.5
IV arm boards	Disposable Padded Armboards, comfortable foam padding, dielectrically sealed to prevent bacterial /fluid infiltration 2x6	Morrison Medical	6639	100/box	3
IV tubing w/ Buretrol drip set for peds		Amsino		48/case	1
IV tubing w/ standard macrodrip set for adults		Amsino		48/case	5
Needles, Butterfly, 23g		Luer Adapter		50/box	1
Needles, Butterfly, 25g		Luer Adapter		50/box	1
Needles, sterile, 18g		Braun		100/box	7
Needles, sterile, 21g		Braun		100/box	7
Needles, sterile, 25g		Braun		100/box	7
Vacutainer tube holder	*Vacutainer Holder *Reusable standard size holder for 13mm and 16 mm diameter tubes	Becton Dickinson	364888	10/bag	14
Vacutainer tube blue top	*Glass plasma tube *Blue top *Conventional closure *4.5ml *Latex free *additives:0.5ml Citrate Solution *12.35mg Sodium Citrate *2.21 mg Citric Acid	Becton Dickinson	363048	100/box	2
Vacutainer tube green top	*Glass Plasma tube *Green top *Conventional closure *5ml *Latex free *Additive: Sodium Heparin &Freeze dried *72USP Units	Becton Dickinson		100/box	2
Vacutainer tube lavender top	*Glass Plasma tube *Lavender top *Conventional closure *5ml *Latex free *Additive:K2EDTA, Spray-Dried, 7.2 mg)	Becton Dickinson		100/box	2

Vacutainer tube red top	*Glass Plasma tube *Red top *Conventional closure *5ml *Latex free *Additive: None, silicone-coated interior	Becton Dickinson		100/box	2
Multisample collection needle		Safety		100/box	2
Saline for injection 10cc bottle		Braun		24/box	14.5
Patient Care Supplies					
ABD bandage pads, sterile; 8" x 10"	8" x 10"	Cypress	42-54	24 packs/box	12
BandAids	1" x 3" sheer strips	Cypress	48-21	100/box	7
Multi-trauma dressing	12" x 30", sterile	Dynarex	9280B	50/case	3
Vaseline dressing 3" x 9"	Gauze occlusive 3" x 9"	Vaseline	150066K1	single	70
Triangular bandage with pins	individually packaged with two safety pins for easy use, constructed of muslin, 36: x 36" x 51"	Cypress	50-80	12/box	8
Cold pack	4" x 6"	Cypress	97-01	24/case	6
Instant glucose	unit dose tube, 31 gm	Glutose	0018	single	10
Board splint 24" cardboard padded	splint cardboard with foam 24"	Morrison Medical		single	20
Basins, bath	plastic, 6 quart	Medegan		single	70
Bathing supply, prepackaged (e.g. Bath in a Bag™)	Premium pre-moistened needle punch cleansing and bathing washcloths with aloe; Hypoallergenic, alcohol free, latex free; soft to the skin, accordion folded for easy dispensing; mild scent	Courier	N90003		350
Bedpans - regular	plastic bed pan saddle shape and high rolled front is designed for patient comfort	Medegan	H120-10	single	65
Blankets; pillow, sheet set	Fitted Sheets, patient privacy flat sheet, pillow case, absorbent pad; blanket is quilted with patterns on both sides which provides warmth and is soft to touch	Protect-A-Med	EMS Innovations custom package	single	150
Chux protective pads (many uses)	Disposable Protective Pad	Protect-A-Med		50/box	24
Crib	*For children up to 30 lbs, 34" and unable to climb out on their own *mesh on all 4 sides *sets up in less than 1 minute *weighs less than 25 lbs *polyester pad	Graco	9261QB	1	2
Cots - Med Bed Hospital System		EMS Innovations Inc.	EMS Innovations custom package		50
Diapers - adult	Large, Hips: 44"-54", Weight: 170-260 lbs, Waist: 38"-50"	Depend		72/case	4
Diapers - Infant	Size 1 with leak guard	Procter & Gamble		100/case	3
Diapers - Pediatric	Size 5	Procter & Gamble		144/case	2
Emesis basins	plastic emesis basin is designed for easy handling, 9: in length and 500 cc capacity with graduated cubic centimeter markings	Medegan	0530A	single	100
Facial Tissue, individual patient box	facial tissue, 25 sheets/box	Kleenex		single	300
Feeding tubes, pediatric					
- 5 French	1.7 mm x length: 36" (91cm)	Kendall	888826100 8	10/box	1
- 8 French	2.7 mm, length: 16" (41cm)	Kendall	888826060 4	10/box	1
Foley Catheters - 16F Kits (includes drainage bag)	16 Fr. 5 cc with urinary drainage bag	Kendall	AS89316	10/case	10
Gloves **** non-sterile, large (non-latex)	nitrile powder-free exam gloves, standard blue - large	syntrile	27-36	100/box	21
Gloves **** non-sterile, medium (non-latex)	nitrile powder-free exam gloves, standard blue - medium	syntrile	27-34	100/box	21
Gloves **** non-sterile, small (non-latex)	nitrile powder-free exam gloves, standard blue - small	syntrile	27-32	100/box	21
Goggles; splash resistant, disposable	chemical splash/impact goggle	AO Safety	91252-50000	single	12
Gown, splash resistant, disposable	isolation gown, elastic cuffs, ties neck/waist, universal	AlphaProTech	7651B	50/Box	6
Gown, patient	Apex™ economical lighter weight TPT gowns offer a cost-effective alternative; Reversible, front/back opening; 30" x 42"	Apex		50/Box	11
Gauze pads, non-sterile, 4X4 size, tube size	sponge, gauze, non-sterile, 4"x4", 12 ply	Dynarex	8443	200/Pack	14

Gauze roll; 3" non-sterile	bandage, conforming, stretch, non-sterile 3"x4.1yd	Dynarex	8385A	96/case	8
Hand cleaner, waterless alcohol-based; 8 oz bottle	Citrus II instant hand sanitizing lotion	Beaumont		12 bottles/case	2
Lubricant, Water soluble	personal lubricant	K-Y Brand		25 boxes/case	1
Medicine cups, 30ml, plastic	pliable, unbreakable, & easy to read		02301-PK	100/pack	7
Morgue Kits	body bag with toe tag, clear liner & RF sealed	Bodyvue		1	30
Nasogastric tubes - 18F	suction nasal gastric tube, 18 french	Rusch	4755B	50/case	1
OB Kits	*Everything necessary for an emergency birth *all items are disposable *Kit includes: 1 non-latex exam gloves/pair, sterile; 1 disposable scalpel, sterile; 1 plastic lined underpad; 4 gauze sponge, sterile; 2 umbilical clamps, sterile; 1 plastic placenta bag with ties; 1 OB pad, sterile; 1 receiving blanket; 3 non-woven towels; 1 bulb syringe, sterile; 1 plastic apron; 1 OB towelettes; 1 B2K towelette; 1 Apgar scoring chart	Morrison Medical	0965	1	1
Povidone-iodine bottles, 16 oz	Providone Iodine Kills Fungi; Nonstinging and Suitable for most	Apex	713906	single	14
Restraints, Extremity, soft adult	Extremely Strong. Adhesive Glue Holds the Restraints in place; green in color; 58x2		500402	pair	25
Sanitary pads (OB pads)	designed to help absorb leaks	Always		12 pad/box	2
Sharps disposal containers - 2 gallon	Clear locking tops with horizontal load; large horizontal openings accommodate syringes; easy simple assembly; containers lock for final disposal; nestable containers save valuable storage; full range of brackets; plastics and pigments are safe	Tyco	31143699	single	4
Sheets, disposable, paper, for stretchers & cots	40"X72" 2 Ply/Poly Drape Sheet	TIDI	918272	50/pack	12
Syringes, 12cc, luer lock	Cleary Syringe Barrel; Bold, precise scale markings; peel-pack plastic blister package is tamper evident, for assurance of sterility #3, 10CC	Terumo	1199A	100/box	4
Syringes, 3cc, luer lock, w/21g 1.5" needle	Ground and honed with a unique double-bevel design to provide a comfortable injection. Think wall and Ultra-thin wall needles provide more comfort with an increased flow rate.	Terumo	2153A	100/box	14
Syringes, catheter tip 60cc	60cc clear syringe barrel; bold, recise scale markings; does not include needle	Terumo	1734A	25/box	1
Syringes, insulin	Ground and honed with a unique double-bevel design to provide a comfortable injection. Think wall and Ultra-thin wall needles provide more comfort with an increased flow rate.	Terumo	2141A	100/box	1
Syringes, TB	Ground and honed with a unique double-bevel design to provide a comfortable injection. Think wall and Ultra-thin wall needles provide more comfort with an increased flow rate.	Terumo	2141A	100/box	1
Tape, silk - 1 inch	A "Silk-like" tape with a hypo-allergenic adhesive with high strength and adhesion. An excellent, general-purpose tape that is easy and economical to use' tears in two directions for convenient ease use; breathable to allow skin to function normally	3M	2049	12 rolls/box	8
Tape, silk - 2 inch	A "Silk-like" tape with a hypo-allergenic adhesive with high strength and adhesion. An excellent, general-purpose tape that is easy and economical to use' tears in two directions for convenient ease use; breathable to allow skin to function normally	3M	2050	6/box	7
Urinals	Translucent white plastic urinal has handle designed for easy holding or bedside hanging. Attached lid helps prevent spilling, reduces odors measures to 32oz (960ml)	Medegan	0211B	single	50
Washcloths, disposable	Disposable and highly absorbent washcloths	Protect-A-Med	7071A		1500

Water cooler electric	Tabletop water cooler uses 2-, 3- or 5-gallon bottles (not included) and features a in cup dispenser and removable drip tray; Silent thermoelectric technology; convenient drain plugs for hot and cold reservoirs; child safety guard; 15-1/4Hx12-3/4L"	Avanti		1	1
N-95 mask	Shell protects the filter media so it stays cleaner looking longer; resists collapsing so it holds its shape longer; no metal nose band to adjust	Inovel	10391A	20/case	10
Diagnostic Supplies					
Carts: supply, iv and meds, crash	5-Drawer red key lock cart with handle	MPD Medical Systems	MTS-524-R	1	3
Carts: medical supplies	5-Drawer red key lock cart with handle	MPD Medical Systems	MTS-524-R	1	3
Support Carts completely outfitted with supplies (AED with 3 lead monitoring, suction, glucometer, airway, kit, otoscope/ophthalmoscope, cylinder with regulator, minilator, 5 adult bp, 1 ped bp, scanning thermometer, complete soft goods package-per supplied specs)	5-Drawer red key lock cart with handle	MPD Medical Systems	MTS-524-R		4
Additional surevent for support carts	*Recommended patient's body weight: greater than 40kg (adults) *Ventilatory frequency: 8 to 20 BPM *Adjustable peak pressure range: 20 to 50 cm H20 *PEEP 1/10th of peak pressure: 2 to 5 cm H20 *High pressure relief valve: 60 ± 10% cm H2O *Inspiratory resistance: 3 ± 1 cm H20/L/sec *Expiratory resistance: 3 ± 1 cm H20/L/sec *Dead space: 4 ± 3ml *Operating environmental limits: 0 to 122F (-18 to 50 C) *Storage environmental limits: -40 to 140F (-40 to 60 C) *Patient connection: 15mm female, 22mm male *Oxygen source connection: DISS connection/barb fitting *Oxygen tubing connection to SURE*VENT*: DISS connection *Oxygen concentration: Meets ASTM standard F920-93, > 85o2 *Approximate dimensions: 8.5" x 3.3" x 2.5" (21.6cm x 8.4cm x 6.4cm) *Approximate weight: 4 ounces (110 ± 10 grams)	Surevent	SV 2131	4/box	21
ICU Patient Monitoring System	*Monitor up to 12 patients on a single workstation *24-hour full disclosure *Remote control of patient monitors from the central station *Alarms adjusted at patient monitor or mobile central station *Patient monitor always synchronized with central station when connected - parameters, settings, alarm limits, etc. *User-friendly, east-to-read display, easy to deploy *two screen options for displaying patient data and reviewing data *Mortara Instrument's VERITAS life-threatening arrhythmia algorithm: asystole, VFib and VTach alarms	Welch Allyn	Mobile Acuity LT		1
Negative pressure equipment & anteroom	*Capacity: 0-400 cfm *Casing construction: Low-density polyethylene (LDPE) *Preset Audible Warning Setpoint: High is ± .05, Low is ± .009 inches of water *Power Requirements: 120 volt AC, 1 phase, 3.5 Amp *Dimensions: 37" L x 15" W x 15"H *Weight: Approximately 36 lbs *Duct size: 8" *Filters: (~Pre: High capacity ASHRA) (~HEPA: High capacity better than 99.995% @ .3 micron HEPA filter, tested to IEST-RP-CC001 HEPA and ULPA filters and IEST-RP-CC034 HEPA UIPA Filter Leak tests *Accessories: Main hose, wire ties, manual	TVI	MK-400		6

Scissors, stethescope, pen light belt pack	This Emergency response holster holds a dual head stethoscope, EMS Deluxe shears, 5 1/2" bandage scissors, 5 1/2" straight Kelly forceps, 4 1/2" straight iris scissors, 4 1/2" splinter forceps and a disposable pen light	Colormed	CG685	single	24
Glucometer	3 times faster; Calibration is easy; 10 seconds to obtain results	Hypoguard		single	2
Glucometer test strips	Ergonomical design; capillary action quickly wicks the sample into the test chamber; small sample size of only 3ul	Hypoguard		50/strips/vile	2
Probe covers for thermometers	Probe covers	Tyco		20/box	7
Welch Allyn 02 sat monitor, thermometer, BP, HR	02 sat Monitor	Welch Allyn	42-NTB-E1	Ea	2
Single use shielded lancets	Puncture device is shielded prior to and after use; available in six sizes; built-in needle depth control; proprietary spring action provides quick, gentle puncture	Saf-T Lance		200/box	1
Otoscope/ophthalmoscope set	*Pocket Otoscope *2.5v halogen light *Fiberoptics *Wide angle, removable 2.5x viewing lens *Sealed system with included insufflator *ear soecula in 2.5mm and 4.0mm sizes *Pocket clip with integral on/off slide switch *5 each 2.5mm and 4.0mm specula *Pocket Ophthalmoscope *2.5v halogen light * 5 aperture selections *17 lenses from -20 to +20 diopters *Illuminated dial *Built-in lens dust cover *Rubber brow rest *Pocket clip with integral on/off slide switch *Lifetime quality performance guarantee on optics	ADC	1	set	4
Mesh stretcher	*Lightweight foldable stretcher *Holds up to 500 lbs. *Two integral velcro patient straps *Carrying case	EMS Innovations	EM62	single	10
SureVent disposable ventilator	*Disposable *FIO2 Delivery 100% *Flowrate required 15-40 LPM *Recommended patient's body weight: greater than 40kg (adults) *Ventilatory frequency: 8 to 20 BPM *Adjustable peak pressure range: 20 to 50 cm H20 *PEEP 1/10th of peak pressure: 2 to 5 cm H20 *High pressure relief valve: 60 + 10% cm H2O *Inspiratory resistance: 3 + 1 cm H20/L/sec *Expiratory resistance: 3 + 1 cm H20/L/sec *Dead space: 4 + 3ml *Operating environmental limits: 0 to 122F (-18 to 50 C) *Storage environmental limits: -40 to 140F (-40 to 60 C) *Patient connection: 15mm female, 22mm male *Oxygen source connection: DISS connection/barb fitting *Oxygen tubing connection to SUREVENT: DISS connection *Oxygen concentration: Meets ASTM standard F920-93, > 85o2 *Approximate dimensions: 8.5" x 3.3" x 2.5" (21.6cm x 8.4cm x 6.4cm) *Approximate weight: 4 ounces (110 + 10 grams)	Surevent	SV 2131	4/case	8
Pulmonetic 1000 transport ventilator with case and extended battery system, charger	*LTV 1000 *Flow triggering *Internal turbine *True pressure support *Support Bi-Level with any non-vented mask *Internal oxygen blender *Allowing for FiO2 delivery between .21 and 1.0 when connected to a high pressure O2 source *11 separate alarm conditions with both audible and visual alarms *Provides a minimum of 3 hours of additional operating time with each battery	LTV-1000	EMS Innovations custom package	single	1
Ventilator circuits	*LTV 1000 *Patient circuit, Adult with PEEP *Includes circuit hose, *6' / 1.8m x 22mm ID *Exhalation valve assembly w/24" / 61cm tail *Patient circuit *Pediatric with PEEP (SUP)-(Quantity 10) *Includes circuit hose *6' / 1.8m x 15mm ID *Exhalation valve assembly w/ 24" / 61cm tail	Pleonastic	10820x10 and 10821x10	12/case	1

AED	*Backlit ECG display (12 square inches) *Integrated battery and data recording *Low energy escalating biphasic 100J - 150J - 200J *Manual Override *On/Off Safety Feature *On screen pad placement icon *2/3 lead ECG monitoring capability *2/3 ECG lead monitoring capacity (16 hours) *Durable-rubberized Impact protection *Size; 8.1 in H x 10.2 in W x 2.4 in D (20.5cm H x 25.8cm W x 6cm D) *Waveform: Scope *Memory Capacity: 12 hours of ECG (full disclosure) and event/incident recording. Up to 60 mins audio recording *Battery type: Lithium Manganese Dioxide (LiMnO2) 21V, 1.4 Amp Hrs *Capacity: 120 shocks at 200J or 12 hours of continuous monitoring with backlight on (typical), 16 hours with backlight off *Shelf Life: 5 years, 2years standby life	Heartsine	SAM-001 - EMS Innovations custom package	single	1
spare AED Batteries	Data-Pak Battery-12 Hours monitoring, 120 Shocks at 100J, 5 Year Shelf Life, 2 Year Stand-by, Integrated Flash memory	Heartsine	SBP001	single	5
Spare electrodes	Electrodes (2 pair) in sealed pack w/2 year shelf life, Minimal energy loss, provides optimized patient contact and high quality, low noise ECG for display and analysis	Heartsine	SDE001	single	5
Banyan ALS KIT	Stat Kit 700 includes drugs-prefilled syringes, drugs-ampules & vials; drugs - miscellaneous; I.V. equipment; safety syringes & needles; resuscitation equipment; surgical instruments; monitoring equipment; and organizational materials. *dimensions: 6 1/8" X 17 1/4" X 19 7/8" *Weight: 16 lbs.	Banyan	Stat Kit 700	single	1
Oxygen tank with regulator; Super D cylinder; case	LSP "D" Size Aluminum Oxygen Cylinder w/Standard Valve, Brass Oxygen Regulator 2 DISS/1 Barb, Offers Simultaneous Operation of All Outlets, Internal safety relief valve set at 100-110 PSIG, opens if outlet pressure exceeds lockup pressures. Cordura bag designed to carry "D" size oxygen cylinder and regulator. Extended side pocket adds extra room for storage. Lined with closed cell foam.	LSP & Codura		set	5
Airway management kit by EMS Innovations inc	Res-Q-Vac Suction Unit, Tube check, KY Lubricant, Nasopharyngeal Airway Kit w/6 airways, 22fr, 24fr, 26fr, 28fr, 30fr, 32fr and lubricant, Oropharyngeal Airway Kit w/4 airways 40mm, 60mm, 80mm, 100mm, Rusch Lite Blade Kit, Asherman Chest Seal, LSP Oxygen Manifold (10 LPM) 4 Sets Each of: ET Tubes Non-Cuffed (6 Tubes one of each: 2.5, 3.0, .3.5, 4.0, 4.5, 5.0); ET Tubes cuffed (9 tubes three of each; 6.0, 7.0, 8.0), 3-10cc Syringe w/o needle, 3020cc Syringe w/o needle, 3-Nasogastric Tubes, 2-Oxygen Regulators all brass, constant flow, 12 position w/2 Diss outlets, 4-Oxygen Bottles w/Wrenches, 4-Bag Valve Mask (Adult), 1 (Bag Valve Mask (Pediatric), 1 Nebulizer Masks (Adult), 20-Non Re-Breather Masks (Adult), 12 Non-Re-Breather Masks (Pediatric), 20 Nasal Cannulas (Adult)	EMS Innovations	EM385	set	1
Master Pack of 25 five pt trauma kits	Five Patient Trauma Kit treats 40 Walking Wounded or 5 Trauma Patients - A Master Bag Contains 25 Kits. Each Kit consists of a Nylon Case, 4oz. Eye wash, 4 eye pads, 10 5"x9" surgipads, 2 cold packs, 2 3"ace bandage, 1 penlight, 12 gloves, 2 #3 airways, 2 thermal blankets, 1 biowaste bag, 5 triple antibiotic ointment, 2 mask/eye shield, 20 4"x4" gauze pads, 10 1"x3" band-aids, 6 4" kling bandages, 2 #4 airways, 4 triangular bandages, 1 scissors, 1 1" tape roll, 1 vaseline dressing, 1 bulb syringes, 1 mouth barrier device	EMS Innovations		set of 25	1
Suction unit	Devilbiss suction unit	Sunrise	7305 series	single	1
Thermometer; scanning		Welch Allyn	04000-200	single	5

Adult BP Cuff		Cypress Medical Products	93-403	single	5
Pediatric BP Cuff		Mabis Healthcare Inc.	92-149-011	single	2
Pocket Doppler		Summit	L150A	single	1
Housekeeping Equipment and Misc. Supplies					
Backboard, plastic	*Length: 71" *Width: 15.75: *Depth: 1.85" *Weight: 15.25 lbs. *Capacity: 500 lbs. *Material: High-density polymer	LSP	LSP XTRA	each	2
Hospital disinfectant 1 gallon		Beaumont			12
Microwave oven	1.1 cu. Ft. countertop, stainless steel	GE	JES1142SJ		3
Refrigerator	4.3 cu. Ft. stainless steel	Danby	DCR412B		3
Stretcher, EMS (rolling)	Lightest cot available with a 500 pound built-in shock frame and fully adjustable gas-assist backrest; sturdy x-frame undercarriage; safety u-bar and hook; adjustable backrest angle from 0 to 75	Ferno	35-A	each	2
Towels, paper; packaged in a box	white towels maximize absorbency and give you super holding power	Prime Source	476216	each	50
Trash can w/pop lids (biologic), large; disposable	36qt step on wastebasket -white; easy to use step on lid opener	rubbermaid	97553	each	6
Trash liners, red plastic (large)	Manufactured from high density polyethylene (1.5 mil thick) for sterilization at +250 F (+121 C) and incineration; bags are bright red with biohazard symbol; includes sterilization indicator patch	Tyco		each	250
push broom	*24" wide push broom with natural, palmyra fibers *Durable 60" steel handle *5 year warranty	Quickie	00535GM	each	2
dust pan and brush	*Interlocking brush and dust pan *Split-tip fibers on brush *8" wide dust pan of all-plastic construction won't rust or crack *Convenient hang hole	Quickie	402RM-20	each	5
mop with bucket	*31 quart mop bucket & wringer *Use with up to 32 oz mops *12 oz Cotton Deck mop	Cleanco and Quickie	43267 and 029KS-32	each	2
hospital disinfectant spray bottle	*32 os Spray bottle	Sprayco	LG-32	each	18
RelyOn 11lb bucket	Multi-Purpose Disinfectant Cleaner: Efficacious against a wide range of pathogens (on hard non-porous surfaces) including: HIV, Hepatitis A, B, and C; MRSA, VRE, and RSV; Norvirus (Norwalk-like virus)	Dupont		each	2
Fluid spill kit	OSHA, CDC and state recommended items for this kit including biohazard bag, antimicrobial hand wipe, sani-cloth germicidal towelette, packet of RED Z Fluid Control Solidifier, 1 combo scoop/scraper, 1 pair latex gloves	Safetec	46173	each	50
Wet/dry vacuum	5 Gallon, 5.5HP (Peak) Heavy Duty Portable Wet/Dry	Shop Vac	2512411	single	1
Patient transfer device	1000 Denier Nylon w/8 Carrying handles, 4 continuous 2" webbing strap, ends tapered and cupped to fit patients feet and head	EMS Innovations	EM	single	10
Wheelchair	Chrome Steel Framed Wheelchair w/Fixed Full Arm, Fixed Footrests	Cypress	79-01	single	4
Wag bag toilet bag	Each bag contains non-toxic powder that gels liquid, catalyzes decay and neutralizes odor. Each kit comes with toilet paper and hand sanitizer;			100/case	8
Water containment system	disposable decon containment system	EMS Innovations	EMS Innovations custom package	6/unit	single