



BIDS AND AWARDS COMMITTEE

SUPPLEMENTAL BID BULLETIN

Addendum No. 2

31 August 2018

**REF: PROCUREMENT OF FORTY-FIVE (45) UNITS
OF EMERGENCY SERVICE VEHICLES (EMSVs)**

The Bids and Awards Committee (BAC) hereby issues this Supplemental Bid Bulletin or Addendum No. 2 to inform the prospective Bidders of the correction on the bidding documents, specifically on the Technical Specifications, Test Parameters and revised schedule for the Deadline of Issuance of Bidding Documents and Deadline of Submission and Opening of Bids of the project.

The Committee resolved to approve the following:

1. Correction on the Technical Specifications hereto attached as Annex A;
2. Correction on the Test Parameters hereto attached as Annex B; and
2. Revised Schedule of Activities for the project shall be as follows:

ACTIVITY	DATE & TIME	VENUE
2 nd Pre Bid Conference	September 4, 2018 (Tuesday) 10:00 a.m.	BAC Room, 3/F Conservatory Bldg., Shaw Blvd., Mandaluyong City
Deadline of Issuance of Bids	September 20, 2018 (Thursday) 9:00 a.m.	
Deadline of Submission of Bids	September 20, 2018 (Thursday) 9:30 a.m.	
Opening of Bids	September 20, 2018 (Thursday) 10:00 a.m.	

**ALL OTHER MATTERS NOT INCLUDED IN THIS ADDENDUM ARE
HEREBY MAINTAINED BY THIS COMMITTEE.**

For the information and guidance of all concerned.


LAURO A. PATIAG
BAC Chairperson

TECHNICAL SPECIFICATIONS – EMERGENCY MEDICAL SERVICE VEHICLES

AS INDICATED IN THE BIDDING DOCUMENTS		MODIFICATION	
I. VEHICLE CONFIGURATIONS: EMERGENCY MEDICAL SERVICE VEHICLES – BRAND NEW		I. VEHICLE CONFIGURATIONS: EMERGENCY MEDICAL SERVICE VEHICLES – BRAND NEW	
B. OVERALL DIMENSIONS (minimum):		B. OVERALL DIMENSIONS (minimum):	
1. Length (in mm):	5080	1. Length (in mm):	4690
2. Width (in mm):	1690	2. Width (in mm):	1690
3. Height (in mm):	2200	3. Height (in mm):	1900
C. ENGINE:		C. ENGINE:	
3. Engine displacement:	2500 cc (minimum)	3. Engine displacement:	3000 cc (maximum)
4. Timing system:	Common Rail	4. Timing system:	Manufacturer's Standard
II. AMBULANCE COMPARTMENT/BODY		II. AMBULANCE COMPARTMENT/BODY	
2. Power Inverter	Built-in Inverter	2. Power Inverter	Built-in Inverter
a. AC 220 Volts Outlet	Two (2) 220 Volts Outlet	a. AC 220 Volts Outlet	Four (4) 220 Volts Outlet
14. Ambulance stretcher with mounted restraining system	Collapsible; heavy duty, 6" wheels (two with swivel-lock and rolling-lock feature), increased scuff strips for loading and unloading, wide head frame for large patients and extra elbow room during intubation and CPR, gas-assist back rest and shock position for rapid patient positioning. Safety bar and hook for protection while in transit/loading/unloading from ambulance. Length (max.) - 79 inches (201 cm); Min: 64 inches (163 cm) Width-24 inches (61 cm) Max. Loading Height - 34 inches (86cm) Load Limit-loading position: 700lb. (318kg); Lowest position: 1,100lb. (450kg)	14. Ambulance stretcher with mounted restraining system	<ul style="list-style-type: none"> • Made of stainless steel, aluminum and polyethylene board material. • Adjustable backrest. • Two fixed wheels and two pivoting with large diameter for easy movement. • Brakes on rear wheels • Foldable side bars • Crash assist system. • With integrated spine board storage underneath the back board.

IV. MEDICAL EQUIPMENT AND ACCESSORIES:			IV. MEDICAL EQUIPMENT AND ACCESSORIES:		
DOH Required Emergency Equipment, Supplies and Medicines			DOH Required Emergency Equipment, Supplies and Medicines		
ITEM	SPECIFICATION	QTY.	ITEM	SPECIFICATION	QTY.
A. Ambulance Compartment/Body			A. Ambulance Compartment/Body		
1. Folding Stretcher/Poles (1 set) and two (2) Canvass	<ul style="list-style-type: none"> • Four-fold Structure • Rubber handle to carry the stretcher • Aluminum Tubes: Approx. 30 mm. (diameter) x 1.5 mm. (thickness) • Carrying Capacity: Approx. 150 kg. • Washable Teflon Cloth and carry bag • Size: 2000 mm.(L) x 550 mm.(W) x 150 mm. (H) 	1 unit	1. Folding Stretcher/Poles (1 set) and two (2) Canvass	Aluminum tubes approx. dia. 30mm x 1.5mm, carrying capacity 150kg, washable Teflon cloth, rubber handle to carry the stretcher	1 unit
2. Orthopedic Scoop Stretcher	<ul style="list-style-type: none"> • Net weight: Approx. 9 kg. • X-ray compatible • Gross weight: Approx. 11 kg. • Bearing capacity: maximum of 159 kg. 	1 unit	2. Orthopedic Scoop Stretcher	X-ray compatible gross weight- 11kg. , bearing capacity - less than 159kg	1 unit
B. Ventilation and Airway Equipment			B. Ventilation and Airway Equipment		
1. Suction Apparatus and accessories	<ul style="list-style-type: none"> • Lightweight, mounted, 3-5 kg., with complete accessories and strong resistance case vacuum • With minimum of 1,000 ml. capacity • Transparent & non-breakable collection bottle • Double overflow-protection system with vacuum control and shut-off valve • AC/DC power supply 	1 unit	1. Suction Apparatus and accessories a. Portable Suction Machine	Lightweight, mounted suction machine with complete accessories. Transparent and non-breakable collection bottle. Overflow protection system with vacuum control and shut-off valve.AC/DC power supply. One mounted rechargeable battery with 2 year warranty	1 unit

ANNEX A

	<ul style="list-style-type: none"> One mounted rechargeable battery with two-year warranty. 				
3. Oxygen Tank	<ul style="list-style-type: none"> 3000-liter capacity Mounted with restraining device Concealed oxygen piping piped into self-sealing duplex oxygen outlet station Properly labeled outlet Colored green tank and labeled with "Medical Oxygen" With cylinder changing wrench, chained and clipped within the oxygen cylinder compartment. 	1 unit	2. Oxygen Tank	3,000 liters' tank. Mounted with restraining device. Colored green tank and labeled with "Medical Oxygen". With cylinder changing wrench, chained and clipped within the oxygen cylinder compartment	1 unit
5. Oxygen flow regulator	Oxygen flow meter with pressure regulator and humidifier	1 pc.	4. Oxygen flow regulator	Oxygen flow meter with pressure regulator and Humidifier in variable area	1 pc.
6. Bag valve mask resuscitator	<ul style="list-style-type: none"> For Adult Pressure relief bag for pediatrics Pressure relief bag for infant 	1 pc. 1 pc. 1 pc.	5. Bag valve mask resuscitator a. Adult b. Pediatric – Pressure relief c. Infant – Pressure relief	Standard bag valve mask resuscitator	1 piece each
10. Nebulizer	AC/DC power supply	1 pc.	9. Nebulizer	Portable, AC/DC power supply	1 pc.
12. Infusion Pump	<ul style="list-style-type: none"> Drip type, adjustable drop rate, adjustable volume, rate, alarm (Infusion Complete, empty, faulty signal, mis-operation, occlusion, door open, air bubble, low battery, setting error, AC power off, Idle) Display time, battery, infusing status, mode, rate, 	1 unit	Excluded		

	<p>target volume, accumulated volume, target volume, sound volume, pressure, department, bed No., I/V set, temperature of medication.</p> <ul style="list-style-type: none"> Should be compatible with the EMSV's power sources with other equipment running 				
13. Laryngoscope	<p>Laryngoscope Handle</p> <ul style="list-style-type: none"> Stainless steel blades, Chrome plated brass handles, knurled finish to ensure durability and secure grip, standard battery handles available in "D", "C", and "AA" battery cell sizes, Removable, re-polishable light pipe. <p>Laryngoscope Blades</p> <ul style="list-style-type: none"> Stainless steel blades sizes 0-4, straight sizes 2-4, curved 	<p>1 pc.</p> <p>1 each</p>		Excluded	
14. Endotracheal Tubes	<ul style="list-style-type: none"> Sizes 2.5-5.5 mm un-cuffed Sizes 6-8 mm cuffed 	2 each		Excluded	
15. Stylets for Endotracheal Tubes	Adult and Pediatric sizes	1 each		Excluded	
16. Magill Forceps	Stainless, Adult and pediatric sizes	1 each		Excluded	
17. Lubricating Jelly	Water soluble, 30mg	1 tube		Excluded	
18. Xylocaine Spray 10%	50ml	1 bottle		Excluded	

<p>19. Patient Monitor</p>	<ul style="list-style-type: none"> • 12.1 inches wide TFT LCD screen with maximum 9 waveform display • 800 x 600 Resolution • 4 hrs. Battery back-up • Can be used to monitor adult, pediatric and neonates • Advanced streamline outline design, portable, compact, and lightweight • ECG waveforms of 7 lead displayed in one screen • NIBP (Non- Invasive Blood Pressure) Dual Over Pressure Protection • Isolated floating, anti-defibrillation protected • Protection against electro surgical interference and defibrillation • With function of Arrhythmia and ST segment analysis, drug dose calculation, pace maker detection • Intelligent Audio and Visual comprehensive alarm • Wall mounted • ECG, HR, SpO2, Resp. NIBP, 2°Temp, drug dose calculation and built in battery • Should be compatible with EMSV's power sources with other equipment running 	<p>1 unit</p>	<p style="text-align: center;">Excluded</p>		
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<p>20. Ventilator</p>	<ul style="list-style-type: none"> • Volume Assist Control, Pressure Assist Control, Volume Controlled SIMV (Synchronized Intermittent Mechanical Ventilation), Pressure Controlled SIMV, CPAP (Continuous Positive Airway Pressure), PSV (Pressure Support Ventilation), and Bi-PAP (Bi-level Positive Airway Pressure) • Respiratory rate: 1 to 50 ± 1 bpm • Tidal volume: 50 to 2000 ml. • Inspiratory Pressure Limit: 5 to 80 ± 5cm H2O • Inspiratory Time: Adaptive time TM or 0.3 to 3 ± 10% seconds • Oxygen Mix (FiO2): 21% to 100% ± 5% FiO2 • PSV: (0 to 60) ±10% cmH2O • Positive Pressure Relief: Valve 80 cmH2O • Power Supply External AC 100-240 V, 50-60 Hz, Max. 1.6 A; External DC 12-15 V, max 8.5 A • Internal Battery sealed Lead-Acid, 12V, 7.2-9Ah (re-chargeable) Battery backup up to 2 hrs. (Varies with ventilation parameters) 	<p>1 unit</p>	<p>Excluded</p>		
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	<ul style="list-style-type: none"> • Oxygen Supply: High-pressure 40-60 psi (2.8-4.1 bar) • Size: height 13 inches/ 33 cm; width 9.5 inches/24 cm; depth 10.3 inches/ 26cm • Display: 8.4 inches/21.3 cm diagonal • Wall mounted • Should be compatible with EMSV's power sources with other equipment's running 				
C. Monitoring and Defibrillation			C. Monitoring and Defibrillation		
1. Automatic External Defibrillator (AED)	<ul style="list-style-type: none"> • Portable • Power: 10 replaceable type 123 A photo flash lithium battery • Design standards: meets or exceeds UL Standards • Real CPR help: provides rescuers with real time feedback for both depth and rate of chest compressions during CPR • Waveform: rectilinear biphasic • Energy selection: automatic preprogrammed selection (120J, 150J, 200J) • Charge hold time: 30 seconds • CPR metronome rate: variable 60 to 100 cpm 	1 unit	1. Automatic External Defibrillator (AED)	Lightweight. Provides rescuers with real time feedback for both depth and rate of chest compressions during CPR. Automatic preprogrammed selection (120J, 150J, 200J). CPR metronome rate - variable 60 to 100 CPM. Power-Replaceable type 123 A photo flash lithium battery. Charge hold time - 30 seconds. with minimum requirements for configuration and patient data recovery running on any windows operating system. Minimum of 5 years warranty	1 unit
			3. Pulse oximeter	<ul style="list-style-type: none"> • With 2 parameters: SP02 & Pulse rate • Portable & lightweight 	1 piece

D. Immobilization Devices			D. Immobilization Devices		
3. Lower Extremity Traction Device	<ul style="list-style-type: none"> Length Max. 54 inches/137cm. Length Min. 36 inches/90cm. Height Max. 9 inches/22cm. With supporting slings, paddings, traction strap 	1 pc.	3. Lower Extremity Traction Device (supporting slings, padding, traction strap)	Made of stainless steel, aluminum and nylon. Serrated traction mechanism and "S" shaped coupler. Four padded support straps for the leg, ischial strap with padding and extended strap for the ankle. With transport bag.	1 pc.
4. Upper and Lower Extremity Immobilization Device			4. Upper and Lower Extremity Immobilization Device		
a. Joint above and joint below fracture	<ul style="list-style-type: none"> Heavy-duty cardboard splints upper and lower extremities for rigid support. Made of cardboard, metal, wood or hard plastic. Available in 12 inches, 18 inches and 24 inches 	1 pc. each	a. Joint above and joint below fracture	<ul style="list-style-type: none"> Heavy-duty cardboard, metal, wood or hard plastic splints upper and lower extremities in 12", 18" and 24" 	1 pc. each
b. Resistant straps or cravats (triangular bandages)	<ul style="list-style-type: none"> Non-sterile sling bandage with two (2) safety pins. Size 40 inches x 40 inches x 56 inches 	4 pcs.	b. Resistant straps or cravats (triangular bandages)	<ul style="list-style-type: none"> Non-sterile sling bandage with two (2) safety pins. Size 40 inches x 40 inches x 56 inches 	4 pcs.
5. Full Body Vacuum Mattress	<ul style="list-style-type: none"> Three (3) patient-buckles and six (6) handles With removable contoured pillow and compact vacuum pump 	1 pc.	5. Full Body Vacuum Mattress – used for head, spine & head to feet immobilization	<ul style="list-style-type: none"> Three (3) patient restraints with buckles. Six carry handles allow the splint to be used as stretcher. Includes removable pillow and compact vacuum. 	1 pc.

E. Dressing and Bandages			E. Dressing and Bandages		
1. Sterile burn sheets	<ul style="list-style-type: none"> • Sterile, individually -packed (disposable), 10 inches x 30 inches or larger 	3 pcs.	1. Sterile burn sheets	4" x 4" or larger, sterile with antibacterial. Individually packed.	3 pcs.
F. Obstetrical			F. Obstetrical		
1. Obstetrical kits	<ul style="list-style-type: none"> • Disposable • Sterile 	1 set	Excluded		
H. Miscellaneous Supplies			H. Miscellaneous Supplies		
3. Minor Surgical set	Stainless	1 set	Excluded		
5. Thermometer	<ul style="list-style-type: none"> • Infrared • Non-contact 	1 pc.	4. Thermometer	<ul style="list-style-type: none"> • Infrared • Non-contact • With battery 	1 pc.
8. Alcohol swabs	Individually-packed	5 packs	7. Alcohol swabs	<ul style="list-style-type: none"> • 20 pcs/pack 	5 packs
10. Intravenous Administration set	Micro and Macro	1 set each	9. Intravenous Administration set	<ul style="list-style-type: none"> • Micro and Macro • Sterile; individually packed 	1 set each
11. Linens	Blanket sheets	1 pc.	10. Linens	<ul style="list-style-type: none"> • 50" x 60" • cotton 	1 pc.
13. Disposable standard sharp containers	<ul style="list-style-type: none"> • With cover • Plastic • Must have a locking system that will remain closed in a sudden impact 	1 pc.	12. Disposable standard sharp containers	<ul style="list-style-type: none"> • Plastic with cover • Must have a locking system that will remain closed in a sudden impact 	1 pc.
18. Antibacterial lubricating gel	Individually-packed, 5mg.	5 sachets	17. Lubricating gel	<ul style="list-style-type: none"> • Individually-packed,5mg • antibacterial 	5 sachets

CHECKLIST (EMERGENCY MEDICAL SERVICE VEHICLES)

PHASE I. CURSORY (VISUAL) INSPECTION

AS INDICATED IN THE BIDDING DOCUMENTS		MODIFICATION	
I. VEHICLE CONFIGURATIONS: EMERGENCY MEDICAL SERVICE VEHICLES – BRAND NEW		I. VEHICLE CONFIGURATIONS: EMERGENCY MEDICAL SERVICE VEHICLES – BRAND NEW	
B. OVERALL DIMENSIONS (minimum):		B. OVERALL DIMENSIONS (minimum):	
1. Length (in mm):	5080	1. Length (in mm):	4690
2. Width (in mm):	1690	2. Width (in mm):	1690
3. Height (in mm):	2200	3. Height (in mm):	1900
C. ENGINE:		C. ENGINE:	
3. Engine displacement:	2500 cc (minimum)	3. Engine displacement:	3000 cc (maximum)
4. Timing system:	Common Rail	4. Timing system:	Manufacturer's Standard
II. AMBULANCE COMPARTMENT/BODY		II. AMBULANCE COMPARTMENT/BODY	
2. Power Inverter	Built-in Inverter	2. Power Inverter	Built-in Inverter
a. AC 220 Volts Outlet	Two (2) 220 Volts Outlet	a. AC 220 Volts Outlet	Four (4) 220 Volts Outlet
14. Ambulance stretcher with mounted restraining system	Collapsible; heavy duty, 6" wheels (two with swivel-lock and rolling-lock feature), increased scuff strips for loading and unloading, wide head frame for large patients and extra elbow room during intubation and CPR, gas-assist back rest and shock position for rapid patient positioning. Safety bar and hook for protection while in transit/loading/unloading from ambulance. Length (max.) - 79 inches (201 cm); Min: 64 inches (163 cm) Width-24 inches (61 cm) Max. Loading Height - 34 inches (86cm) Load Limit-loading position: 700lb. (318kg); Lowest position: 1,100lb. (450kg)	14. Ambulance stretcher with mounted restraining system	<ul style="list-style-type: none"> Made of stainless steel, aluminum and polyethylene board material. Adjustable backrest. Two fixed wheels and two pivoting with large diameter for easy movement. Brakes on rear wheels Foldable side bars Crash assist system. With integrated spine board storage underneath the back board.

ANNEX B

IV. MEDICAL EQUIPMENT AND ACCESSORIES:			IV. MEDICAL EQUIPMENT AND ACCESSORIES:		
DOH Required Emergency Equipment, Supplies and Medicines			DOH Required Emergency Equipment, Supplies and Medicines		
ITEM	SPECIFICATION	QTY.	ITEM	SPECIFICATION	QTY.
A. Ambulance Compartment/Body			A. Ambulance Compartment/Body		
1. Folding Stretcher/Poles (1 set) and two (2) Canvass	<ul style="list-style-type: none"> • Four-fold Structure • Rubber handle to carry the stretcher • Aluminum Tubes: Approx. 30 mm. (diameter) x 1.5 mm. (thickness) • Carrying Capacity: Approx. 150 kg. • Washable Teflon Cloth and carry bag • Size: 2000 mm.(L) x 550 mm.(W) x 150 mm. (H) 	1 unit	1. Folding Stretcher/Poles (1 set) and two (2) Canvass	Aluminum tubes approx. dia. 30mm x 1.5mm, carrying capacity 150kg, washable Teflon cloth, rubber handle to carry the stretcher	1 unit
2. Orthopedic Scoop Stretcher	<ul style="list-style-type: none"> • Net weight: Approx. 9 kg. • X-ray compatible • Gross weight: Approx. 11 kg. • Bearing capacity: maximum of 159 kg. 	1 unit	2. Orthopedic Scoop Stretcher	X-ray compatible gross weight- 11kg. , bearing capacity - less than 159kg	1 unit
B. Ventilation and Airway Equipment			B. Ventilation and Airway Equipment		
1. Suction Apparatus and accessories	<ul style="list-style-type: none"> • Lightweight, mounted, 3-5 kg., with complete accessories and strong resistance case vacuum • With minimum of 1,000 ml. capacity • Transparent & non-breakable collection bottle • Double overflow-protection system with vacuum control and shut-off valve • AC/DC power supply 	1 unit	1. Suction Apparatus and accessories a. Portable Suction Machine	Lightweight, mounted suction machine with complete accessories. Transparent and non-breakable collection bottle. Overflow protection system with vacuum control and shut-off valve.AC/DC power supply. One mounted rechargeable battery with 2 year warranty	1 unit

ANNEX B

	<ul style="list-style-type: none"> One mounted rechargeable battery with two-year warranty. 				
3. Oxygen Tank	<ul style="list-style-type: none"> 3000-liter capacity Mounted with restraining device Concealed oxygen piping piped into self-sealing duplex oxygen outlet station Properly labeled outlet Colored green tank and labeled with "Medical Oxygen" With cylinder changing wrench, chained and clipped within the oxygen cylinder compartment. 	1 unit	2. Oxygen Tank	3,000 liters' tank. Mounted with restraining device. Colored green tank and labeled with "Medical Oxygen". With cylinder changing wrench, chained and clipped within the oxygen cylinder compartment	1 unit
5. Oxygen flow regulator	Oxygen flow meter with pressure regulator and humidifier	1 pc.	4. Oxygen flow regulator	Oxygen flow meter with pressure regulator and Humidifier in variable area	1 pc.
6. Bag valve mask resuscitator	<ul style="list-style-type: none"> For Adult Pressure relief bag for pediatrics Pressure relief bag for infant 	1 pc. 1 pc. 1 pc.	5. Bag valve mask resuscitator a. Adult b. Pediatric – Pressure relief c. Infant – Pressure relief	Standard bag valve mask resuscitator	1 piece each
10. Nebulizer	AC/DC power supply	1 pc.	9. Nebulizer	Portable, AC/DC power supply	1 pc.
12. Infusion Pump	<ul style="list-style-type: none"> Drip type, adjustable drop rate, adjustable volume, rate, alarm (Infusion Complete, empty, faulty signal, mis-operation, occlusion, door open, air bubble, low battery, setting error, AC power off, Idle) Display time, battery, infusing status, mode, rate, 	1 unit	Excluded		

ANNEX B

	target volume, accumulated volume, target volume, sound volume, pressure, department, bed No., I/V set, temperature of medication. <ul style="list-style-type: none"> Should be compatible with the EMSV's power sources with other equipment running 				
13. Laryngoscope	<p>Laryngoscope Handle</p> <ul style="list-style-type: none"> Stainless steel blades, Chrome plated brass handles, knurled finish to ensure durability and secure grip, standard battery handles available in "D", "C", and "AA" battery cell sizes, Removable, re-polishable light pipe. <p>Laryngoscope Blades</p> <ul style="list-style-type: none"> Stainless steel blades sizes 0-4, straight sizes 2-4, curved 	1 pc.		Excluded	
14. Endotracheal Tubes	<ul style="list-style-type: none"> Sizes 2.5-5.5 mm un-cuffed Sizes 6-8 mm cuffed 	2 each		Excluded	
15. Stylets for Endotracheal Tubes	Adult and Pediatric sizes	1 each		Excluded	
16. Magill Forceps	Stainless, Adult and pediatric sizes	1 each		Excluded	
17. Lubricating Jelly	Water soluble, 30mg	1 tube		Excluded	
18. Xylocaine Spray 10%	50ml	1 bottle		Excluded	

<p>19. Patient Monitor</p>	<ul style="list-style-type: none"> • 12.1 inches wide TFT LCD screen with maximum 9 waveform display • 800 x 600 Resolution • 4 hrs. Battery back-up • Can be used to monitor adult, pediatric and neonates • Advanced streamline outline design, portable, compact, and lightweight • ECG waveforms of 7 lead displayed in one screen • NIBP (Non- Invasive Blood Pressure) Dual Over Pressure Protection • Isolated floating, anti-defibrillation protected • Protection against electro surgical interference and defibrillation • With function of Arrhythmia and ST segment analysis, drug dose calculation, pace maker detection • Intelligent Audio and Visual comprehensive alarm • Wall mounted • ECG, HR, SpO2, Resp. NIBP, 2°Temp, drug dose calculation and built in battery • Should be compatible with EMSV's power sources with other equipment running 	<p>1 unit</p>	<p style="text-align: center;">Excluded</p>		
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20. Ventilator	<ul style="list-style-type: none"> • Volume Assist Control, Pressure Assist Control, Volume Controlled SIMV (Synchronized Intermittent Mechanical Ventilation), Pressure Controlled SIMV, CPAP (Continuous Positive Airway Pressure), PSV (Pressure Support Ventilation), and Bi-PAP (Bi-level Positive Airway Pressure) • Respiratory rate: 1 to 50 ± 1 bpm • Tidal volume: 50 to 2000 ml. • Inspiratory Pressure Limit: 5 to 80 ± 5cm H₂O • Inspiratory Time: Adaptive time TM or 0.3 to 3 ± 10% seconds • Oxygen Mix (FiO₂): 21% to 100% ± 5% FiO₂ • PSV: (0 to 60) ±10% cmH₂O • Positive Pressure Relief: Valve 80 cmH₂O • Power Supply External AC 100-240 V, 50-60 Hz, Max. 1.6 A; External DC 12-15 V, max 8.5 A • Internal Battery sealed Lead-Acid, 12V, 7.2-9Ah (rechargeable) Battery backup up to 2 hrs. (Varies with ventilation parameters) 	1 unit	Excluded		
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ANNEX B

	<ul style="list-style-type: none"> • Oxygen Supply: High-pressure 40-60 psi (2.8-4.1 bar) • Size: height 13 inches/ 33 cm; width 9.5 inches/24 cm; depth 10.3 inches/ 26cm • Display: 8.4 inches/21.3 cm diagonal • Wall mounted • Should be compatible with EMSV's power sources with other equipment's running 				
C. Monitoring and Defibrillation			C. Monitoring and Defibrillation		
1. Automatic External Defibrillator (AED)	<ul style="list-style-type: none"> • Portable • Power: 10 replaceable type 123 A photo flash lithium battery • Design standards: meets or exceeds UL Standards • Real CPR help: provides rescuers with real time feedback for both depth and rate of chest compressions during CPR • Waveform: rectilinear biphasic • Energy selection: automatic preprogrammed selection (120J, 150J, 200J) • Charge hold time: 30 seconds • CPR metronome rate: variable 60 to 100 cpm 	1 unit	1. Automatic External Defibrillator (AED)	Lightweight. Provides rescuers with real time feedback for both depth and rate of chest compressions during CPR. Automatic preprogrammed selection (120J, 150J, 200J). CPR metronome rate - variable 60 to 100 CPM. Power-Replaceable type 123 A photo flash lithium battery. Charge hold time - 30 seconds. with minimum requirements for configuration and patient data recovery running on any windows operating system. Minimum of 5 years warranty	1 unit
			3. Pulse oximeter	<ul style="list-style-type: none"> • With 2 parameters: SP02 & Pulse rate • Portable & lightweight 	1 piece

ANNEX B

D. Immobilization Devices			D. Immobilization Devices		
3. Lower Extremity Traction Device	<ul style="list-style-type: none"> Length Max. 54 inches/137cm. Length Min. 36 inches/90cm. Height Max. 9 inches/22cm. With supporting slings, paddings, traction strap 	1 pc.	3. Lower Extremity Traction Device (supporting slings, padding, traction strap)	Made of stainless steel, aluminum and nylon. Serrated traction mechanism and "S" shaped coupler. Four padded support straps for the leg, ischial strap with padding and extended strap for the ankle. With transport bag.	1 pc.
4. Upper and Lower Extremity Immobilization Device			4. Upper and Lower Extremity Immobilization Device		
a. Joint above and joint below fracture	<ul style="list-style-type: none"> Heavy-duty cardboard splints upper and lower extremities for rigid support. Made of cardboard, metal, wood or hard plastic. Available in 12 inches, 18 inches and 24 inches 	1 pc. each	a. Joint above and joint below fracture	<ul style="list-style-type: none"> Heavy-duty cardboard, metal, wood or hard plastic splints upper and lower extremities in 12", 18" and 24" 	1 pc. each
b. Resistant straps or cravats (triangular bandages)	<ul style="list-style-type: none"> Non-sterile sling bandage with two (2) safety pins. Size 40 inches x 40 inches x 56 inches 	4 pcs.	b. Resistant straps or cravats (triangular bandages)	<ul style="list-style-type: none"> Non-sterile sling bandage with two (2) safety pins. Size 40 inches x 40 inches x 56 inches 	4 pcs.
5. Full Body Vacuum Mattress	<ul style="list-style-type: none"> Three (3) patient-buckles and six (6) handles With removable contoured pillow and compact vacuum pump 	1 pc.	5. Full Body Vacuum Mattress – used for head, spine & head to feet immobilization	<ul style="list-style-type: none"> Three (3) patient restraints with buckles. Six carry handles allow the splint to be used as stretcher. Includes removable pillow and compact vacuum. 	1 pc.

ANNEX B

E. Dressing and Bandages			E. Dressing and Bandages		
1. Sterile burn sheets	<ul style="list-style-type: none"> • Sterile, individually -packed (disposable), 10 inches x 30 inches or larger 	3 pcs.	1. Sterile burn sheets	4" x 4" or larger, sterile with antibacterial. Individually packed.	3 pcs.
F. Obstetrical			F. Obstetrical		
1. Obstetrical kits	<ul style="list-style-type: none"> • Disposable • Sterile 	1 set	Excluded		
H. Miscellaneous Supplies			H. Miscellaneous Supplies		
3. Minor Surgical set	Stainless	1 set	Excluded		
5. Thermometer	<ul style="list-style-type: none"> • Infrared • Non-contact 	1 pc.	4. Thermometer	<ul style="list-style-type: none"> • Infrared • Non-contact • With battery 	1 pc.
8. Alcohol swabs	Individually-packed	5 packs	7. Alcohol swabs	<ul style="list-style-type: none"> • 20 pcs/pack 	5 packs
10. Intravenous Administration set	Micro and Macro	1 set each	9. Intravenous Administration set	<ul style="list-style-type: none"> • Micro and Macro • Sterile; individually packed 	1 set each
11. Linens	Blanket sheets	1 pc.	10. Linens	<ul style="list-style-type: none"> • 50" x 60" • cotton 	1 pc.
13. Disposable standard sharp containers	<ul style="list-style-type: none"> • With cover • Plastic • Must have a locking system that will remain closed in a sudden impact 	1 pc.	12. Disposable standard sharp containers	<ul style="list-style-type: none"> • Plastic with cover • Must have a locking system that will remain closed in a sudden impact 	1 pc.
18. Antibacterial lubricating gel	Individually-packed, 5mg.	5 sachets	17. Lubricating gel	<ul style="list-style-type: none"> • Individually-packed,5mg • antibacterial 	5 sachets