



50 Bed Expandable Hospital Option 1

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TRANSPORTABLE MEDICAL CENTER

Total area: 7,530 sq. ft.
 Option 1



50 Bed Expandable Hospital Option 2

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TRANSPORTABLE MEDICAL CENTER

Total area: 6,720 sq.ft.
 Option 2

American Bio-Medical Service Corporation (ABMSC) has developed the most advanced, fully self-sustaining, mobile medical care facility known to date. Currently, there are no other certified commercial transportable medical units available with the self-sufficiency, mobility, and design flexibility.

As a fully functioning, self-sustaining mobile surgical/medical center, the mobile unit requires very little setup time and comes equipped with security and monitoring systems. The spacious design flows from room to room offering a comfortable environment for patients and staff. These modular units can be modified to create ancillary facilities, such as housing or teaching units for staff and patients.

All models are mobile and capable of being transported by cargo ships, overland haulers, or military helicopters. Each mobile unit can remain on its own axle or can be installed on a foundation for semi-permanent or permanent use. The units can also be linked to form a modular building complex, such as a full-fledged hospital.

Features

- The mobile unit can be connected to local commercial utility power. (Back-up power will automatically kick in if interrupted.)
- The generator is capable of continuous 24-hour operation for one week using diesel fuel.
- Self-contained fresh water supply; black and grey waste tanks all concealed under unit.
- Redundant air-conditioning system with five fan-coils and individually controlled temperature zones.
- On-demand electric water pump used for all sinks, water heater, and toilets; built-in 10-gallon water heater.
- Fully installed medical gas and vacuum system (includes manifold, monitors and alarm system).
- Complete security systems with outside remote camera system.

Custom Construction

- Exterior can be modified to customer color or design (i.e., national flag, etc.) specifications.
- Built specifically to handle the rigorous conditions found in disaster areas or environmentally hostile locations.
- Entire undercarriage can be insulated and sealed against severe climatic conditions.

- Flooring finish is hospital grade vinyl (seamless, welded) for the reduction of bacterial and contamination concerns.
- Fitted with universal tie-down points and four pick up points for crane or helicopter transport.

**Annex (1)
Truck Specifications**

Item Number	Manufacturer Country	Model	Description	Qty
Truck	Freightliner	4900SA	<p>Truck: 6 x 6 Engine: V shape 8cc Horsepower: 500 minimum Engine: turbo charger Engine cooling: via a cooler not Less than 100 liters in capacity. Gearbox: full automatic with 16 front speeds and one rear speed. Tires and rims: minimum 10 tires, size R20/1400XZL, TUBELESS PR 22 with rims iron sheet plus a spare tire of the same size, fitted with loading and unloading winch. Diesel tank: capacity minimum 600 liters Steering wheel: hydraulic</p>	10

**Annex (1)
Truck Specifications**

Annex (2)
Field hospital specifications (trailed - borne)

(12) Trailers representing clinics medical wards and their annexes (the table below).

(4) multi-purpose tents

Corridors and connectors sufficient to set up the closed hospital.

Integrated kitchen.

Integrated air-conditioning system.

Medical gases system.

Medical systems and furniture.

S.N.	CONTAINER PURPOSE
1	Operation room
2	Intensive care room
3	Emergency suite
4	Administrative office (command)
5	X-ray room
6	Laboratory and sterilization room
7	Pharmacy room
8	Dentistry room
9	Ophthalmology
10	ENT room
11	Maternity suite
12	Kitchen suite

The specifications for the multi-purpose tents:

1. Fire-resistant.
2. Each tent should not be less than 48 meters in space.
3. Can be used as a basic clinic, exchange and sorting area, emergency or inpatient clinic.
4. Easy to install and dismantle.
5. Easy to supply with electricity and air conditioning.
6. Weather proof.
7. Durable and robust.
8. Inflatable

Annex (2)
Field hospital specifications (trailed - borne)
(continued)

The specifications required for the corridors and connectors:

The specifications in this area are open according to the supplier's own style. However, it is to be taken into consideration, the good design and form, lighting, air-conditioning, heavy duty capacity to bear the work pressure and patient numbers.

The specifications required for the containers:

1. Possibility to transport by ****C.-130 transport aircraft .
2. Possibility of all containers to be transported by ships.
3. Possibility of all containers to be borne or towed by trucks.
4. Trailers must have characteristics of robustness, durability, ease of movement, endurance of movement, shaking and shocks.
5. Trailer shall bear the harsh climatic conditions and temperatures and shall be compatible with military standards.
6. The trailer shall be thermally insulated with nonpoisonous strong and fire-resisting internationally approved material.
7. The x-ray trailer shall be insulated with lead according to standard specifications.
8. Trailer weight shall be suitable not exceeding in any case 6 tons when empty and not exceeding 10 tons with full load and contents.
9. Easy dismantling, deployment, use and application.
10. Sufficient and properly insulated doors and windows with taking in consideration the future need for additional doors in case of connecting containers to form a closed hospital.
11. Sufficient electrical fittings and numbers of sockets for medical systems. The available voltage must meet the technical requirements of the equipment and be of internationally recognized medical installation quality.
12. Sufficient, proper, easy to install and service lighting inside trailer. In addition the lighting in the operations and intensive care rooms shall be of washable and sterilizable type.
13. The Trailer shall have all necessary non medical necessary connections (such as electricity, water and sanitary drainage networks).
14. The Trailer shall have all the necessary medical extensions (such as oxygen network, compressed air...etc.), and their locations inside the trailer shall be compatible with their purpose
15. The Trailer shall have AUTO STEAL FOOT hydraulic lifting and lowering system for each container, fixed at each of the four container corners, raised from the ground by a distance minimum ½ meter.

**Field hospital specifications (trailed - borne)
(continued)**

16. Electricity and water inlets on the outside walls of the Trailer shall be weather proof.
17. Operation and intensive care rooms shall be provided with filters for bacteria and negative pressures.
18. All trailers operate with hydraulic extension systems and in case such a system

- fails for any reason, the work can be manually performed.
19. The trailer structures shall have a warranty for a minimum period of (10) years.

The Air-Conditioning System

1. Either central or separately for each individual trailer. All trailers without exception must be air-conditioned. The temperature shall be controlled from within the trailer.
2. The system must have a warranty for a minimum period of (3) years.
3. Spare parts must remain available for a minimum period of (10) years.

Electric Generators:

1. One or more electric generators capable of operating the hospital and its annexes in full, in addition to another emergency generator. The load shall be automatically transferred to the emergency generator upon power failure using ATS system.
2. There must be agent for the equipment in Saudi Arabia.
3. The generator must be the production of internationally recognized companies known for good industry and endurance of high temperatures.
4. The generators must have a warranty for a minimum period (3) years. Spare parts must remain available for a minimum period of (10) years.

Medical equipment and furniture:

1. Attached are tables showing the numbers and specifications of medical equipment and furniture which must be committed to.
2. All medical equipment and systems must be compatible with the mobile trailer.
3. They shall be of good quality known industry.
4. They must have a warranty for a minimum period of (3) years.
5. Spare parts must remain available for a minimum period of (10) years.

**ANNEX 2
OPERATION THEATRE**

Item Number	Qty	Manufacturer Country	Model	Description
1	3	Ohmeda U.S.A.	7100	Anesthesia Machine complete, including ventilator, as per specifications
2	9	Amico Canada	VR-C2UD- CMA	Suction Regulator, as per specifications
3	6	Physio-Control and ABMSC U.S.A.	LP20	Crash Cart, Defibrillator, as per specifications
4	3	ValleyLab U.S.A.	Force Argon II	Electrosurgical Unit, as per specifications
5	3	Pedigo U.S.A.	NC100	Mayo-Stand for Surgical Instruments, as per specifications
6	6	Pedigo U.S.A.	P-1020SS	Kick Bucket, as per specifications

**ANNEX 2
OPERATION THEATRE
(continued)**

Item Number	Qty	Manufacturer Country	Model	Description
	(USD)		(USD)	
7	3	Steris U.S.A.	LA500	Light Operation Theatre, as per specifications (ENGLISH – Surgical Lights)

8	3	GE U.S.A.	S-5 Anesthesia	Physiological Monitoring Unit, Surgical, as per specifications (ENGLISH – Vital Signs Monitor)
9	3	Steris U.S.A.	3085	Operating Table, as per specifications
10	6	Alaris U.S.A.	7130B	Infusion Pump, as per specifications
11	6	Bard U.S.A.	Infusor	Syringe Pump, as per specifications
12	6	Level 1 U.S.A.	1200	Blood Warmer, as per specifications

**ANNEX 2
OPERATION THEATRE
(continued)**

Item Number	Qty	Manufacturer Country	Model	Description
13	3	Galaxy U.S.A.	1068	Stool, Anesthetist, as per specifications
14	3	Galaxy U.S.A.	1165	Stool, Operating, as per specifications (ENGLISH – Doctor’s stool)
15	3	Anesthesia Associates U.S.A.	Penlon	Laryngoscope Set, Adult/Pediatric w/different blades, as per specifications
16	3	Coulmed	CM106	Table, Instrument as per

		U.S.A.		specifications
17	3	Littmann	4000	Stethoscope for Anesthetist, as
		U.S.A.		per specifications - electronic
18	3	ABMSC	ABM-25	Suction Machine Mobile, as per
		U.S.A.		specifications

**ANNEX 2
OPERATION THEATRE
(continued)**

Item Number	Qty	Manufacturer Country	Model	Description
19	3	Burton	6230	Lamp, Ultraviolet, as per
		U.S.A.		specifications
20	12	Galaxy	1060	Nurse Stool
		U.S.A.		
21	3	Tuttnauer	2540	Counter-top Autoclave
		U.S.A.		
22	3	Amico	A2ME20	Medical Gas System

**ANNEX 2
AMBULANCE UNIT**

Item Number	Qty	Manufacturer Country	Model	Description
1	12	Steris	462	Patient Bed, Stretcher, as per
		U.S.A.		specifications (ENGLISH – Gurney)

2	3	Drive U.S.A.	FFPI	Wheel Chair, as per specifications
3	3	Hudson RCI U.S.A.	15FL	Oxygen Flow Meter with Humidifier, as per specifications
4	3	Amico Canada	VR-C2UD- CMA	Suction Regulator, as per specifications
5	3	Welch Allyn U.S.A.	62000	Vital Signs Monitor, Wall Mounted, as per specifications
6	3	Physio-Control U.S.A.	LP20	Defibrillator, as per specifications

**ANNEX 2
AMBULANCE UNIT
(continued)**

Item Number	Qty (USD)	Manufacturer Unit Price Country	Model Total Price (USD)	Description
7	3	Hudson RCI U.S.A.	RC101	Resuscitator, Adult, as per specifications (ENGLISH – Ambu-bag)
8	3	Hudson RCI U.S.A.	RC100	Resuscitator, Pediatric, as per specifications (ENGLISH – Ambu-bag)

**ANNEX 2
LABORATORY**

Item Number	Qty	Manufacturer Country	Model	Description
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1	3	Bayer U.S.A.	Advia	Hematology Analyzer, as per specifications
2	3	Beckman U.S.A.	CX3	Chemistry Analyzer, as per specifications
3	3	Centra U.S.A.	CL	Centrifuge, Bench Top, as per specifications
4	6	Micromaster U.S.A.	CK	Microscope Basic, as per specifications
5	3	Titer U.S.A.	14260	Shaker, as per specifications
6	3	Fisher U.S.A.	14059	Mixer, as per specifications
7	3	Wheaton U.S.A.	12-813	Rocker, as per specifications

**ANNEX 2
LABORATORY
(continued)**

Item Number	Qty	Manufacturer Country	Model	Description
8	3	Fisher U.S.A.	13-874	Bath, Water, as per specifications
9	3	Fisher U.S.A.	11-690	Incubator, Electronic, as per specifications
10	3	Fisher	952	Refrigerator, Low Temp.

		U.S.A.		(Freezer), as per specifications
11	3	Fisher	950	Refrigerator, as per specifications
		U.S.A.		
12	3	Fisher	545	Timer (Electronic), as per specifications
		U.S.A.		
13	3	Barnstead	4-6V	Distillation Unit, as per specifications
		U.S.A.		(ENGLISH – Water Purifier)

**ANNEX 2
LABORATORY
(continued)**

Item Number	Qty	Manufacturer Country	Model	Description
14	3	Fisher Isotemp U.S.A.	13987	Blood Bank Refrigerator, as per specifications
15	3	Ames U.S.A.	AM-577	Urine Analyzer, as per specifications
16	3	Winco U.S.A.	655	Couch (For Blood Draw), as per specifications (ENGLISH – Recliner Blood Station)
17	3	Wayne U.S.A.	S-1000	Hot Air Sterilizer, as per specifications (ENGLISH – Dry heat Sterilizer)

**ANNEX 2
STERILIZATION UNIT (STERILE SUPPLY)**

Item Number	Qty (USD)	Manufacturer Unit Price Country	Model Total Price (USD)	Description
1	3	Steris U.S.A.	3013	Sterilizer Unit, Steam, as per specifications
2	3	Steris U.S.A.	3000	Washer, Disinfectant, as per specifications
3	3	Steris U.S.A.	Caviwave	Cleaner, Ultrasonic, Floor Mounted, as per specifications

**ANNEX 2
PHARMACY**

Item Number	Qty	Manufacturer Country	Model	Description
1	3	Hamilton U.S.A.	6920	Cabinet Medicine, as per specifications
2	3	Hamilton U.S.A.	8920	Storage Medicine Cabinet, Two Door, as per specifications
3	9	Health Care Logistics U.S.A.	8222	Cabinet, Narcotic, Double Door, Wall Mounted, as per specifications
4	3	Fisher U.S.A.	920	Refrigerator, Pharmaceutical, as per specifications
5	3	Kirby Lester U.S.A.	KL15df	Counter, Tablet, Electrical Automatic, Bench Top, as per specifications

6	3	Health Care Logistics U.S.A.	1893	Bin, Unit Dose Medication, Medium, as per specifications
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**ANNEX 2
PHARMACY
(continued)**

Item Number	Qty	Manufacturer Country	Model	Description
7	3	Health Care Logistics U.S.A.	1892	Bin, Unit Dose Medication, Large, as per specifications
8	3	Health Care Logistics U.S.A.	1700	Bin, Unit Dose Medication, Small, as per specifications

**ANNEX 2
OPHTHALMOLOGY CLINIC**

Item Number	Qty	Manufacturer Country	Model	Description
1 patient	3	Topcon \$ U.S.A.	IS-2500	Eye Examination System with chair, Ophthalmic Stand with lamp and complete with slit lamp, Autokerato-refractomete, Phoroptor Unit and Autochart Projector, as per specifications
2	3	Welch Allyn U.S.A.	18335	Ophthalmoscope, Indirect, as per specifications

3	3	Topcon U.S.A.	LM-8/8E	Lensometer with Marking Device, as per specifications
4 as	3	Infocus U.S.A.	TLS-266	Lenses, Trial, Complete set in case, per specifications
5	3	Ilab U.S.A.	STB-13	Sternest (Stereopsis Test Book or Drawing), as per specifications
6	3	Topcon U.S.A.	SS-3	Retino Scope, as per specifications

**ANNEX 2
OPHTHALMOLOGY CLINIC
(continued)**

Item Number	Qty	Manufacturer Country	Model	Description
7	3	Perkins U.S.A.	P.E.T.	Tonometer, Ophthalmic, as per specifications
8	3	Capital U.S.A.	M2001	Binocular Loop, as per specifications

**ANNEX 2
DENTAL CLINIC**

Item Number	Qty	Manufacturer Country	Model	Description
1	3	ASI U.S.A.	2400E	Dental Chair, Complete, as per specifications
2	3	Dentsply	Promix	Amalgamator, as per specifications

		U.S.A.		
3	3	Triad	2000	Light Curing Unit, as per specifications
		U.S.A.		
4	3	Dent	810	Film Processor, Dental, as per specifications
		U.S.A.		
5	3	Siemens	DS	Dental X-Ray Unit, as per specifications
		U.S.A.		
6	3	CPC-Henan	UDS-L	Dental Scaler Unit, as per specifications
		U.S.A.		
7	3	MCC Cabinets	MFB 210SP	Dental Cabinet System with sink, as per specifications
		U.S.A.	with sink	

**ANNEX 2
DENTAL CLINIC
(continued)**

Item Number	Qty	Manufacturer Country	Model	Description
8	3	Pedigo U.S.A.	SG-92	Dental Instrument Table, Mobile, as per specifications
9	3	Mettler U.S.A.	Cavitator II	Ultrasonic Cleaner, as per specifications
10	3	Tuttnauer U.S.A.	EZ10	Autoclave Unit, Dental, as per specifications

**ANNEX 2
ENT CLINIC**

Item Number	Qty	Manufacturer Country	Model	Description
1	3	Reliance U.S.A.	425	ENT Treatment Unit, Complete as per specifications
2	3	Interacoustics U.S.A.	Equinox	Audiometer, Clinical, as per specifications
3	3	Interacoustics U.S.A.	AT325h	Middle Ear Analyzer, as per specifications

**ANNEX 2
X-RAY**

Item Number	Qty	Manufacturer Country	Model	Description
1	3	GE U.S.A.	MPI Precision System	X-Ray Unit, General, as per specifications
2	3	GE U.S.A.	RPN1700	X-Ray Film Processor, Bench Top, as per specifications
3	3	Lumimed U.S.A.	LD12A	X-Ray Film Viewer, Double, as per specifications
4	24	AXS U.S.A.	PA-ha2424	Apron Patient Protective, as per specifications
5	3	Kodak U.S.A.	X-Omatic ID Camera #4	X-Omatic Identification Camera, Digital, as per specification
6	3	AXS	DR-FB1417	Film Bin for X-Ray

		U.S.A.		
7	3 set	Kodak	X-Omat RP	X-Ray Film
		U.S.A.		

**ANNEX 2
PRIMARY CARE CLINIC**

Item Number	Qty (USD)	Manufacturer Country	Model (USD)	Description
1	12	Midmark U.S.A.	106	Examination Table, as per specifications
2	18	GE Healthcare U.S.A.	S5 Compact	Vital Signs Monitor, as per specifications
3	9	Amico Canada	VR-C3U2- F2A	Suction Regulator, as per specifications
4	12	Welch Allyn U.S.A.	11735	OTO/Ophthalmoscope, as per specifications
5	9	Alaris U.S.A.	Tri-site	Thermometer Electronic, as per specifications
6	9	Hemocure U.S.A.	HC-1	Glucometer, as per specifications
7	9	Scaletronics U.S.A.	5002	Scale Standing Digital, as per specifications

**ANNEX 2
PRIMARY CARE CLINIC
(continued)**

Item	Qty	Manufacturer	Model	Description
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Number	Country			
8	Gomco	401	Suction, Portable, as per	
9	U.S.A.		specifications	
9	Ritter	151	Examination Light, as per	
12	U.S.A.		specifications	
10	MacIntosh &	80613	Laryngoscope Set, as per	
12	Miller		specifications	
	U.S.A.			
11	American	AMS01	X-Ray Viewer, Single, as per	
12	Medical Sales		specifications	
	U.S.A.			
12	Hudson RCOI	2042	Oxygen Flow Meter with	
12	U.S.A.		Humidifier, as per specifications	
13	Omron	11-675DNL	Sphygmomanometer, Wall	
12	U.S.A.		Mounted, as per specifications	

**ANNEX 2
IN-PATIENT UNIT**

Item	Manufacturer	Model	Description
Number	Country		
1	Hill-Rom	Century	Patient Bed, Electric, as per
60	U.S.A.		specifications
2	GE	S5 Compact	Vital Signs Monitor with Trolley,
42	U.S.A.		as per specifications
3	Alaris	7130B	Infusion Pump, as per
42			

		U.S.A.		specifications
4	72	Hudson RCI	15FL	Oxygen Flow Meter with Humidifier, as per specifications
5	60	Amico	VR-C2UD-	Suction Regulator, as per specifications
		Canada	CMA	

**ANNEX 2
MOBILE MODULAR TRAILERS**

Item Number	Manufacturer Country	Model	Description	Qty
Units complete with modules listed for 3 medical centers complete				36
1	ABMSC Included U.S.A.	ABM-MMU- ET01	Emergency / Triage Module	
2	ABMSC Included U.S.A.	ABM-MMU- OR01	Surgical / Operating Module	
3	ABMSC Included U.S.A.	ABM-MMU- RAD01	Radiology / X-Ray Module	
4	ABMSC Included U.S.A.	ABM-MMU- MAT01	Maternity / GYN Module	
5	ABMSC Included U.S.A.	ABM-MMU- CS01	Central Procassing / Sterilization Module	
6	ABMSC Included U.S.A.	ABM-MMU- LP01	Laboratory / Pathology Module	

**ANNEX 2
MOBILE MODULAR TRAILERS
(continued)**

Item	Manufacturer	Model	Description	Qty
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Number	Country	Manufacturer	Model	Description
7	Included U.S.A.	ABMSC	GPC01	ABM-MMU- Primary Patient Care Module
8	Included U.S.A.	ABMSC	PH01	ABM-MMU- Pharmacy Module
9	Included U.S.A.	ABMSC	OP01	ABM-MMU- Ophthalmology Module
10	Included U.S.A.	ABMSC	ENT01	ABM-MMU- ENT Module
11	Included U.S.A.	ABMSC	DC01	ABM-MMU- Dental Care Module
12	Included U.S.A.	ABMSC	GU01	ABM-MMU- General Utility Module
13	Included U.S.A.	ABMSC	SCM01	ABM-MMU- Staff Care Module

**ANNEX 2
MOBILE MODULAR TRAILERS
(continued)**

Item Number	Manufacturer Country	Model	Description	Qty
Tents	ABMSC U.S.A.	APT01	ABM-MMU- Multi-Purpose Tents	12

**ANNEX 2
EMERGENCY GENERATOR**

Item Number	Manufacturer Country	Model	Description	Qty
1	MQ Power U.S.A.	MOP150IV	Generator: 150KVA Fuel: Diesel tank.	12

			Trailer: Air cooled. Electrical Panel for emergency power. Variable voltage on demand. Heavy duty radiator and cooling system. Annunciator panel.	
2	MQ Power	GTK	Generator Tool Kit	3
3	Freightliner/ Mercedes U.S.A.	4000	Fuel tanker with truck	3

**Annex (2-A)
Additional Equipment Required**

Item Number	Qty Number	Manufacturer Country	Model	Description
Surgical	3	Storz	2222	Endoscopic tower – complete
Equipment-	3	U.S.A. Storz	2222-G	GYN tower – complete
Specialty	3	U.S.A. Storz	2222-A	Arthroscopy tower – complete
	12	U.S.A. Storz	11272	Endoscope
	6	U.S.A. Storz	2600	GYN scope
	3	U.S.A. Storz	28300	Arthroscope
	3	U.S.A. OEC	9800C	“C” Arm – complete
	3	U.S.A. Leica	M525-OH	Surgery microscope
		U.S.A.		

3	Leica	M525MC	ENT microscope
	U.S.A.		
3	Leica	M820	Eye microscope
	U.S.A.		

Annex (2-A)
Additional Equipment Required
(continued)

Item Number	Qty	Manufacturer U Country	Model	Description
	3	Imaging U.S.A.	IS8000	“C” arm table
ICU	12	Hill-Rom U.S.A.	Total Care RT	Patient bed
	12	GE U.S.A.	DASH-ICU	Patient ICU monitor
	3	GE U.S.A.	DASH-	Central station
	12	GE U.S.A.	Central DASH-	Telemetry
	6	Nubenco U.S.A.	Telem NestoVent 7	Adult/pediatric ventilator
	3	Phillips U.S.A.	Pagewriter	EKG machine
	15	Bard U.S.A.	Touch Infusor	Syringe pump
	36	Alaris U.S.A.	7130B	Infusion pump

Annex (2-A)
Additional Equipment Required
(continued)

Item Number	Qty	Manufacturer Country	Model	Description
Kitchen Unit	3	U.S.A. AFS	436D6	Oven
	3	U.S.A. Hobart	WB3610028	Grill
	3	U.S.A. AFS	T9-3-54-	Sink
	3	U.S.A. Hobart	18RL-3 LX1H3	Dishwasher
	3	U.S.A. Ameri/Kooler	81277	Refrigerator – walk-in
	3	U.S.A. AFS	KAG-3012-2	Prep station
	3	U.S.A. Hatco	HDW-3	Warming station
	3	U.S.A. AFS	ABM-KU	Utensils
	3	U.S.A. Carlisle/ABC	A60200	Pots & pans
	3	U.S.A. Victoria	BACR-02	Salad bar area
		U.S.A.		

Annex (2-A)
Additional Equipment Required
(continued)

Item Number	Qty	Manufacturer Country	Model	Description
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Amana	AMH20D	Microwave / Convection
3		
U.S.A.		
BrewMatic	10325200	Coffee maker station
3		
U.S.A.		
Randell	9045K-7	Food cart - refrigerated
3		
U.S.A.		
Crescor	PWS-1834-C	Mobile Heated Cabinet
3		
U.S.A.		
Vulcan	1GR65	Fryer
3		
U.S.A.		
Carter/Hoffman	PRF850	Mobile refrigerated cabinet
3		
U.S.A.		
Gormet	5003531	Drink dispenser
3		
U.S.A.		
Scottsman	NME954AS	Ice machine
3		
U.S.A.		
ATS	SKU-548TT	Table & chairs
3		
U.S.A.		

Annex (2-A)
Additional Equipment Required
(continued)

Item	Manufacturer	Model	Description
Qty	Unit Price	Total Price	
Number	Country		
Hospital	Office Furniture	OFG-LD30	Desk
3 sets			
Furniture	U.S.A.		
	Medline	MDR311204	Patient charts
3 sets			
	U.S.A.		
	Hon	174-665	Filing cabinets
3 sets			
	U.S.A.		
	Medline	MDR4307	Overbed tables
3 sets			

Medline	U.S.A. MDR811305	Chairs	3 sets
	Hewlett Packard	ABM-WO	Computers – System complete
	3 sets U.S.A.		
	Texas Instruments	BA-20	Calculators
	3 sets U.S.A.		
	ABMSC	Misc	Office supplies
	3 sets U.S.A.		
	Diamond Drapery	ABM-PT01	Patient curtains
	3 sets U.S.A.		
	Hewlett Packard	1040	Fax machine
	3 sets U.S.A.		

Annex (2-A)
Additional Equipment Required
(continued)

Item Number	Manufacturer Country	Model	Description
	Canon	MF6550	Copy machine
	3 sets U.S.A.		
	ABBA Technology	ABT7000	Phone / Intercom / Security & Data
	3 sets U.S.A.		system
	Medline	MDR10450	Staff sleeping bed or cot and
	3 sets U.S.A.		accessories
	Medline	MDR90WH	Waiting room chairs
	3 set U.S.A.		
	Medline	MDR640	Waiting room tables
	3 sets Littman	MDJ9290	Stethoscopes
3 sets	U.S.A.		
Ambulance	Hummer	H1	Ambulance vehicle:
3			

	U.S.A.		With diesel fuel – complete Special cooled engine V min 6 cylinders
Labor & 6 Delivery	Hill-Rom	Affinity	Labor & delivery bed
	U.S.A.	4 Plus	

**Annex (2-A)
Additional Equipment Required
(continued)**

Item Qty Number	Manufacturer Country	Model	Description
3	Ohmeda U.S.A.	7100	Anesthesia machine
3	Physio-Control/ U.S.A.	LP20	Crash cart
6	Steris U.S.A.	462	Gurney
12	Cormetrics U.S.A.	250CS	Fetal monitor
9	GE U.S.A.	Panda	Baby warmer
6	Medsonics U.S.A.	MENFP3B	Fetal Doppler
3	GE U.S.A.	Careplus 12	Incubator
3	Tuttnauer U.S.A.	EZ10VP	Autoclave
3	Siemens U.S.A.	Sonoline	GYN ultrasound
3 sets	Hill-Rom U.S.A.	Affinity	Procedure room furniture

9	Winco	630	Recliner
	U.S.A.		
	American	0295-200WC	Cast Cart
	3		
	Orthopaedic		
	U.S.A.		
	Physio-Control /	ABM/LP20	Crash Cart
	3		
	ABMSC		
	U.S.A.		
	ABMSC	Misc	Emergency supplies
	3		
	U.S.A.		
	GE	S5 Compact	Patient monitor
	12		
	U.S.A.		
	Phillips	Pagewriter	EKG machine
	3		
	U.S.A.	Touch	
	Scottsman	MDT5N25	Ice machine
	3		
	U.S.A.		
	Steris	AWC-1	Blanket warmer
	3		
	U.S.A.		
	Amico	Amico	Medical gas
	3		
	Canada	System	

Annex (2-A)
Additional Equipment Required
(continued)

Item	Manufacturer	Model	Description
Number	Country		
Miscellaneous			
Equipment	Freightliner/	4001	Water tanker
6			
	Mercedes		
	U.S.A		
	Best Products	37B3	Janitor equipment
3			

U.S.A. Sanitaire 3	6080	Vacuum
U.S.A. Janlink 3	180	Buffers
U.S.A. Profex 3 sets	HS50	Hospital hampers
U.S.A. Coulmed 3 sets	CM510	IV stand
U.S.A. Hospital Systems 3 sets	2000	Eclipse timer
U.S.A. Unimax 3 sets	FTUAIA	Laundry washer & dryer
U.S.A. Steris 3	UTF75 AWC-1	Blanket warmer
U.S.A.		

Annex (2-A)
Additional Equipment Required
(continued)

Item Number	Qty	Manufacturer Country	Model	Description
		Bair Hugger 3	1000	Patient warmer
		U.S.A. Scotsman 3	NME954AS	Ice machine
		U.S.A. Freightliner 3	4901	Hazardous waste tanker
		U.S.A. Freightliner 3	4902	Trash truck
		U.S.A. Amico 3	SCSL400	Medical vacuum system
		Canada		

	GE	VIVA-7	Ultrasound ECG, urology
3	U.S.A.		
	ABMS	1000	Nurse call / code blue system
3 syst	U.S.A.		
	Midmark	AVB20R	Wet Vacuum
3	U.S.A.		

Annex (2-A)
Additional Equipment Required
(continued)

Item Number	Qty	Manufacturer Country	Model	Description
Instruments		Millennium	ABM-AGN-	Abdominal gynecological set
	6	U.S.A.	012	
		Milleinum	ABM-BS-	Basic set
	6	U.S.A.	001	
		Millennium	ABM-BES-	Basic ear set
	6	U.S.A.	006	
		Millennium	ABM-BEYS-	Basic eye set
	6	U.S.A.	002	
		Millennium	ABM-BNS-	Basic nasal set
	6	U.S.A.	003	
		Millennium	ABM-BOT-	Basic ortho set
	6	U.S.A.	001	
		Millennium	ABM-BVT	Basic vaginal instrument
	6	U.S.A.	01A	
		Millennium	ABM-SCT-	Cataract set
	6	U.S.A.	001	
		Millennium	ABM-NCT-	Chest tube insertion tray
	6	U.S.A.	007	
		Millennium	ABM-BCS-	Circumcision set
	6			

U.S.A. 001

Annex (2-A)
Additional Equipment Required
(continued)

Item Number	Manufacturer Country	Model	Description
	Millennium 6	ABM-GYDC-	D & C set
	U.S.A. Millennium 6	002 ABM-BEYM-	Eye muscle tray 1
	U.S.A. Millennium 6	004 ABM-GSGD-	Gall bladder and common duct set
	U.S.A. Millennium 6	003 ABM-BSHS-	Hand set
	U.S.A. Millennium 6	007 ABM-BSHT-	Hemerrhoid tray
	U.S.A. Millennium 6	002 ABM-BSHS-	Hernia set
	U.S.A. Millennium 6	001 ABM-BSID-	I & D set
	U.S.A. Millennium 6	004 ABM-BSLS-	Laparoscopy set
	U.S.A. Millennium 6	002 ABM-PTL-	Large plastic tray
	U.S.A. Millennium 6	002 ABM-MNS-	Major nasal set

U.S.A. 003

Annex (2-A)
Additional Equipment Required
(continued)

Item Qty	Manufacturer	Model	Description
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Number**Country**

Millennium 6	U.S.A.	ABM-MNNS-	Minor nasal set
Millennium 6	U.S.A.	ABM-MSS-	Minor surgery set
Millennium 6	U.S.A.	ABM-MSS-	Minor tray
Millennium 6	U.S.A.	ABM-PSS-	Pediatric set
Millennium 6	U.S.A.	ABM-PTS-	Small plastic tray
Millennium 6	U.S.A.	ABM-SPKW-	Steinman Pin & Kerschner Wire Set
Millennium 6	U.S.A.	ABM-BSRM-	Radical mastectomy set
Millennium 6	U.S.A.	ABM-BSRS-	Rectal set
Millennium 6	U.S.A.	ABM-BNEI-	Sinus endoscopy instruments
Millennium 6	U.S.A.	ABM-NSSG-	Skin graft set
	U.S.A.	002	

Annex (2-A)**Additional Equipment Required****(continued)**

Item	Manufacturer	Model	Description
Qty	Country		
Number			
Millennium 6	U.S.A.	ABM-BSOS-	Supplemental Ortho instruments
Millennium 6	U.S.A.	ABM-BSTA-	T & A set

	U.S.A.	002	
	Millennium	ABM-BSTS-	Thyroidectomy set
	6		
	U.S.A.	001	
	Millennium	ABM-BSTS	Tracheotomy set
	6		
	U.S.A.	003	
	Millennium	ABM-BUD-	Urethral dilation set
	6		
	U.S.A.	002	
	Millennium	ABM-VTL-	Vaginal tubal ligation set
	6		
	U.S.A.	003	
	Millennium	ABM-MIN	Minimally invasive neuro
6			
	U.S.A.	001	instrument tray
	Millennium	ABM-ISC	Instrument sterilization
222			
	U.S.A.	000	Containers
Hospital	McKesson	N/A	Consumables
3 sets			
Supplies	U.S.A.		

Annex (2-A)
Additional Equipment Required
(continued)

Item	Manufacturer	Model	Description
Qty	Number	Country	
	McKesson	N/A	Disposables
3 sets	\$		
	U.S.A.		
	AKRO	AKM30210-	Storage Container for
3 sets	\$		
	U.S.A.	70	miscellaneous supplies

ANNEX 2—SPECIFICATIONS

OPERATION THEATRE

Anesthesia Machine Complete, Including Ventilator:

- Input cylinder, three Gas Manifold, fitting pin indexed
- Pipeline input connection for Oxygen, Nitrous Oxide, Air (inlet fitting British Standard)

- Provided cylinders (Oxygen, Nitrous Oxide, Air)
- Precision Calibrated Flow meters of Oxygen, Medical Compressed Air And Nitrous Oxide
- Flowmeters: Oxygen two tubes- ranges 0.05 to 0.95 L/min and 1.0 to 15.0 L/min, Nitrous oxide two tubes- ranges 0.05 to 0.95 L/min and 1.0 to 10 L/min and Air two tubes 0 to 0.95 and to 1 to 15 L/min
- System with three Vaporizer
- The system can not turn on more than one Vaporizer at a time and Vaporizer and manifold prevents gas flow through all the vaporizer that are off
- Built in Battery in Ventilator, internal rechargeable sealed lead acid
- Approximately 30 minutes of operation provided by battery
- Complete power failure or sudden gas failure (or low pressure gas) should indicate visually and audibly
- Ventilator to monitor inspiratory, expiration volume and airway pressure
- Ventilator screen Height x Width: 7.6 x 15.2 cm
- Ventilator operating modes: Volume controlled and pressure limited and pressure controlled
- Ventilator performance ranges: Tidal volume 20 to 1500 ml (Volume control mode) with incremental setting, Minute volume range 0 to 99.9 L/min, and pressure inspired range 12 to 60 cm H₂O (increments of 1 cm H₂O)
- Positive End Expiratory Pressure (PEEP) integrated and electronically controlled, range: off, 4 to 30 cm H₂O (increment of 1 cm H₂O)
- Alarm settings for Tidal volume, Minute volume, inspired oxygen for Low and High. Also to be warm setting for Apnea, Low air way pressure, high pressure Provided Autoclavable sensor
- On Castors size diameter: 12.5 cm and brakes: single foot lever locks and unlocks two front castors
- Spare Socket box for other equipment
- With Two Shelf and folding side shelf for accessories
- Leakage current less than 500 micro ampere
- Power Supply: 230Volts +/- 20%, 6A, 60Hz

ANNEX 2—SPECIFICATIONS

OPERATION THEATRE

(continued)

Suction Regulator:

- Included regulator, jars, probe (inlet fitting British standard), rail mounted, and hose.
- With overflow safety trap
- Internally well designed with the increments in cmH₂O & kPa to give accurate vacuum by precision regulating diaphragm
- With two scales -mmHg and -kPa
- With three modes Off, On and Max.
- With the feature of positive pressure relief valve vents accidental positive pressure away from patient and system
- Two modes high continuous Gauge 0-100KPa
- Flow rate 0-80 l/min

Crash Cart Defibrillator:

- Defibrillator with monitor
- Included Cart
- Enables to monitor ECG (3&Five leads) and Pulse oximetry
- Equipped with ADAPTIV for AED
- Capability of manual operation up to 360 joules with synchronous cardio version and pacing
- ECG, pulse and saturation oxygen to be displayed
- Enables to configure the device setting
- Enables to access records of previous patient for review, transmission, printing, editing or deletion
- Built in battery, minimum capacity Defibrillation (360 Joules)# 90 and monitoring of ECG & SpO2# 2hrs continuous
- Low battery indication: Visual and Audio
- Resolution Color LCD
- Waveform display sweep speed 25mm/sec for ECG
- Enable to give print our complete report including an introduction with patient information and critical care event
- ECG size 4,3,2.5,1.5,0.5,0.25 cm/mV
- Heart rate display 20 to 350 beats per minute digital display with accuracy of +/- 3 digits, Saturation of oxygen range 1 to 100%, Accuracy for 70 to 100% shall be +/- 2 digits
- Printer paper size: 50mm with speed of continuous ECG 25 mm/sec with +/-5%
- Energy delivery accuracy +/- 1 Joule

- Manual Energy Selection: 2, 3, 4, 5, 6, 7, 8, 9, 10, 15, 20, 30, 40, 50, 70, 100, 125, 150, 175, 200, 225, 250, 275, 300, 325 & 360 Joules or configurable joule sequence: 100 to 200, 100 to 300 and 100 to 360
- Charge time for 200 Joules less than four seconds
- Charge time for 360 Joules less than seven seconds
- Power supply: 220 VAC, 50Hz or 60Hz

Electrosurgical Unit:

- Microprocessor controlled
- Mono-polar Auto cut
- Endo cut
- Soft Coagulation
- Argon-plasma cut
- Forced coagulation cut
- Bio-polar coagulation
- Included all the accessories to implement the above functions
- Automatically perfect cut. fixed-reproducible cut quality with minimum necrosis
- No Carbonization, Precisely Controlled Coagulation cutting Monopolar-cut
- Included Table on four castor, of which two lockable
- Monopolar cut with automatic voltage control

ENDOCUT

- With automatic control
- HF power adjustment: with up/down increment keys
- Form of HF voltage: Sine wave
- Nominal frequency of HF Voltage: 350Hz

- Constancy of coagulation effects: Automatic regulated
- Nominal HF output: 200 watts at 5000hrs

COAGULATION

- HF power adjustment: with up/down increment keys

Monopolar Soft Coagulation

- Form of HF current: Sine wave
- Nominal frequency of HF Voltage: 350KHz
- Nominal HF output: 120watts at 200 Ohms

Monopolar Forced Coagulation

- Form of HF current: Pulse modulated
- Nominal frequency of HF Voltage: 1MHz
- Nominal HF output: 120watts at 500 Ohms

ANNEX 2—SPECIFICATIONS

OPERATION THEATRE

(continued)

Monopolar Spray Coagulation

- Form of HF current: Pulse modulated
- Nominal frequency of HF Voltage: 1MHz
- Nominal HF output: 120watts at 500 Ohms

Bipolar Coagulation

- Form of HF current: Sine wave
- Nominal frequency of HF Current: 350KHz
- Nominal HF output: 120watts at 125 Ohms
- Start of coagulation: By foot pedal or Auto start

Safety Precautions

- Software check of output error
- Software check of Activation time
- Neutral Electrode Monitoring
- Neutral Electrode Switching Self Check
- Error Display
- Power Supply: 220V AC, 50Hz or 60 Hz

Mayo-Stand for Surgical Instruments:

- Instrument Serving table
- With Foot operated pump
- Height Adjustment from 950 to 1350 mm by means of foot bar 18/10 S/S tabletop 700 x 500mm
- With raised edges
- Support column and frame in 18/10 S/S
- Pedestal claded in S/S
- Plastic Double castors diam 75mm Antistatic, rust proof
- Nominal capacity 50 kg

Kick Bucket:

- Removable 12 liters bucket in 18/10 stainless steel

- 18/10 Stainless Steel frame with profiled plastic wrap around bumper
- Plastic double castors diameter 50mm, Antistatic and rust proof
- Frame height 230 mm
- With Bucket lid in 18/10 Stainless Steel

ANNEX 2—SPECIFICATIONS

OPERATION THEATRE **(continued)**

Light Operation Theatre:

- Ceiling mounted
- With optimum ceiling combination three Arms
- Two arms for light and the other arm for monitor
- Illumination Combination: 80,000 lx + 140,000 lx
- Fully rotate-able
- Infrared filtration: IRC bulb + Reflector
- Manual adjustment
- Neutral white light, true to color and cool
- Two-step interference filter for increased heat filters
- Electronic reserve lamp switch over when the main light source is down
Integrated On/Off switch
- Sterilizable hand grips
- Fully rotate-ability around the vertical axis and precision positioning in any desired position
- Light field diameter at 1m distance 17cm
- Working distance 70 to 130cm
- Depth of working area with homogenous light 60cm
- Color temp: 4.3K Kelvin
- Temperature increased at Surgeon's head 2 centigrade
- Power supply: 220V AC, 50/60Hz

Physiological Monitoring Unit, Surgical:

- Specially designed for use in Operation Theatre
- Parameters included ECG/Respiration, Invasive Blood Pressure, Non-Invasive Blood Pressure, CO₂, Temperature (2), SpO₂, Anesthesia gas, Pulse rate
- Touch Screen LCD Display 15"
- 8 channel monitoring system in color
- User-defined start up configurations
- Automatic storage of patient data and module settings for transport purposes
- 12 lead ECG with only five electrodes
- Alarm escalation in life-threatening situations
- Enables to install Twelve (12) modules at a time
- Enables to change or another module to slot in without any interruption in operation
- Patient Electrode leakage current less than 10uA
- Built in Battery operating time min. 4hrs (Internal Battery)
- Power supply 110 to 220Vac. 50/60Hz

ANNEX 2—SPECIFICATIONS

OPERATION THEATRE
(continued)

Operating Table:

- Electro-hydro adjustment by means of remote control
- Also enables to do by manual positioning by pump lever
- With remote control, one touch adjustment of table movement
- Activating key, against accidental table movement
- O-position key automatically returns the table top
- By remote control to three positions i.e. High/Low, Lateral, Trendelenburg/Reverse Trendelenburg
- Same three positions by hydraulic foot pump independently
- With the reverse mode key to shifting table functions over to reverse mode when the patient has been positioned in inverted way
- OR table integrated with body/kidney elevator and manual longitudinal displacement of table top by up to max. 250mm
- Overall length w/o head and leg sections 1140mm
- Overall length w/o head rest, with head and leg sections 2130mm
- Width 590mm
- Height adjustment 720 to 1080 mm
- Trendelenburg 30 degree
- Reverse Trendelenburg 30 degree
- Lateral adjustment (L/R) +/- 20degree
- Back section +70degree/-50degree
- Leg Plate(s) +20degree/-90degree
- Nominal capacity 185Kg
- Battery operated
- Included rechargeable batteries. External battery charger with mains cable
- Power supply: 220V AC, 50/60Hz
- Accessories included: Head rest (double adjustment). Divided leg section (two pieces), leg plate (one piece), arm rest, body restraint strap, leg restraint, Anaesthetic frame, Wristlet, infusion rod, Leg support, Attachment Clamp (swivel type), pair of shoulder support
- Rack for accessories: Square-section tubular steel frame with 5 rails for attachment of accessories and 1 basket, stainless steel, antistatic castors, overall dimension: H x W x D = 1430 x 630 x 580

ANNEX 2—SPECIFICATIONS

OPERATION THEATRE
(continued)

Infusion Pump:

- The volumetric infusion pump for routine tasks and intensive care medicine for use in all wards
- Microprocessor controlled
- Leakage current should be less than 10 micro ampere
- Delivery range 1-999 ml/hr

- Smallest entry step 1ml/hr or 0.1ml/hr in a range of 1.0-999ml
- Delivery precision +/- 5%
- Delivery volume pre-setting up to 999.9 ml
- Function spectrum/Safety system Stand by, chug selection, cc interface operation, pressure limit selection, deactivation of drop control, display of battery capacity, data clock.
- Permanent visualization of Delivery rate, current volume, pressure limit, battery or main driven, mains control, running control
- Info-query Infusion status. current and total volume remaining volume
- Mains/Battery operation
- Voltage 220V, 60Hz
- External low Voltage 12
- Battery type NiCd, rechargeable
- Battery operated time approx: 3.5 hrs

Syringe Pump:

- Setting for major syringe brands that is 10ml, 20ml, 30ml, and 50ml available in the market
- 0.1 to 200ml/hr with 10ml syringe. 0.1 to 300ml/hr with 20ml, 30ml or 50ml syringe
- Drive Accuracy +/- 1 %
- Volume Infused display 0.1 to 999.9ml
- With Alarm lamp and Audible alarm in case of small remains or having the problem not infusing
- With the rechargeable battery, battery time minimum 4hrs
- Power supply 240 Volts 60Hz.

Blood Warmer:

- Warmer for Blood and solution
- Enables to use for IV and Irrigation
- Flow range ml/min adjustable

ANNEX 2—SPECIFICATIONS

OPERATION THEATRE

(continued)

- Heat Exchanger technology and set-point temperature Dry heat and 38-40 respectively
- LED Display, temperature range 30 to 42 centigrade with the increment of 0.5 centigrade
- Primary temperature control by Microprocessor
- High temperature cut off at 41 Centigrade
- With High temperature alarm shall be audible, visual and alarm test
- With the IV pole attachment
- Power Supply 220 Volts, 50/60Hz

Stool, Anesthetist:

- Specially designed to use in operation theatre
- Mobile Swivel
- Construction of stainless steel 18/10
- On five castors

- Height adjustable 600 to 700 mm high
- Standing space 600mm diameter

Stool, Operating:

- Specially designed to use in operation theatre
- Mobile Swivel
- With round Seat & Back
- Construction of stainless steel 18/1 0
- Height adjustable 600 to 700 mm high
- Standing space 600mm diameter

Laryngoscope Set, Adult/Pediatric w/different blades:

- Size Standard
- Blade type Macintosh in quantity number three (3) Large, adult and child with Lamp installed
- Fitting Blade: hook on fitting
- Tip adjustable on the blade to provide the Clinician with greater flexibility, especially in cases of difficult incubating
- Uses four different angles between the blade and handle i.e. 90 degree, 45 degree 180 degree and 135 degree (Standard)
- With four locked position light remains illuminated during changing from one position to another
- Blade is McCoy type
- Blade hook on fitting

ANNEX 2—SPECIFICATIONS

OPERATION THEATRE

(continued)

- Tip adjustable on the blade to provide the Clinician with greater flexibility, especially in cases of difficult incubation
- Complete Set provided in Zippered Case

Table, Instrument:

- 18/10 Stainless steel frame, 18/10 S/S table top 600 x 400mm
- Non rotate able
- Height adjustable 900 to 1,320mm
- Plastic double castors diam, 50mm, Antistatic, Rustproof
- Nominal capacity 12 Kg

Stethoscope for Anesthetist:

- Recommended for use of Anesthetist
- Lithman (Only)
- Manufactured in USA or UK

Suction Machine Mobile:

- Mobile, on four castors antistatic, two of which lockable
- With the overflow safety and bacterial filter
- The air flow rate of the pump can be controlled by integrated regulating valve and vacuum display
- With two collection jars, three (3) liters, plastic, sterilize-able

- All parts which may come into contact with secretion for example collection jar and hoses shall be sterilize-able
- Suction hose: #6mm, length 1.30m and #10mm, length 2meter
- Size: H x W x D # 300 x 330 x 200 mm
- Operating time greater than 240 minutes without switch off at nominal voltage
- Power supply: 220V AC, 60Hz, 75W

Lamp, Ultraviolet:

- For Air Sterilizer
- Wall mounted
- Material stainless steel
- UV Radiation Intensity: total watts #72, micro W/sq cm at 1m # 20
- Slim-line tube, two tubes
- Expected life hrs. 7500
- Power supply: 220V AC, 50/60Hz

ANNEX 2—SPECIFICATIONS

AMBULANCE UNIT

Patient Bed:

- Provision for oxygen tank, IV pole and storage utility
- Casters diameter: 150mm with central locking system
- Provision for X-ray cassette. full length X-ray procedure can be carried out
- Protective bumpers
- Bed frame, steel frame work
- Finishing, scratch and chip resistant epoxy coating
- Safety friction lock tilting
- Hydraulic foot pedal controlled Hi-La position
- Collapsible side rail
- Mattress. water resistant

Wheel Chair:

- Folding wheel chair, detachable desk armrests, swinging detachable elevating adjustable height leg rests. safety belt
- Seat width 38cm and 43cm

Oxygen Flow Meter with Humidifier:

- Direct fitted to the Outlet (BOC British Standard), included with the Humidifier.
- Nickel-plated brass base and body
- Clear shroud
- Expanded lower scale 0-5Lpm

Suction Regulator:

- Included regulator, jars, probe (inlet fitting British standard), rail mounted, and hose.
- With overflow safety trap
- Internally well designed with the increments in cmH₂O & kPa to give accurate vacuum by precision regulating diaphragm
- With two scales -mmHg and -kPa

- With three modes Off, On and Max.
- With the feature of positive pressure relief valve vents accidental positive pressure away from patient and system
- Two modes high continuous Gauge 0-100KPa
- Flow rate 0-80 l/min

Vital Signs Monitor, Wall Mounted:

- Parameters include ECG, NIBP, SpO₂, Pulse rate and Temperature
- Large LED Display easily able to seen 3 meter distance

ANNEX 2—SPECIFICATIONS

AMBULANCE UNIT

(continued)

- Color Coding clearly presents parameters data second by second
- Built in Printer
- Internal rechargeable battery operating life Minimum two hour
- Technique Automatic Oscillometric
- Range 0-255 mmHg Accuracy +/- 2 mmHg
- Cuff inflation 3 to 20 seconds
- With Alarm for Systolic and Diastolic
- Pulse Oximeter Range 0-90 %, Resolution 1 %
- Accuracy +/- 2%
- Heart rate Range 0-250 bpm, Resolution 1 bpm. Accuracy +/- 1 bpm
- Power Supply 220 Volt 60 Hz

Defibrillator:

- Automatic defibrillator with digital monitor
- Equipped with adaptive for AED
- Energy Select: 2 to 360 Joules or user's configurable sequence
- Charge time to 360 joules in less than 10 seconds
- Distinct tone for Alert. charging, shock, Ready
- Defibrillator pads, solid gel type, self-adhesive disposable
- ECG Analysis available for monitoring and pulse oximetry
- Built in Battery: Rechargeable Nickel-Cadmium battery pack with capacity of 50 energy discharges or 3.5 hrs monitoring
- Digital chart recorder and built in printer
- Power supply 220V 60Hz

Resuscitator, Adult:

- Silicone Resuscitator w/ exceptional bag re-expansion and superior feel for lung compliance
- Fully autoclavable bag and Adult face mask (2 sets)
- Include with Oxygen Reservoir bag (2600ml), Silicone extension tube and complete with patient valve

Resuscitator, Pediatric:

- Silicone Resuscitator w/ exceptional bag re-expansion and superior feel for lung compliance
- Fully autoclavable bag and Adult face mask (2 sets)

- Include with Oxygen Reservoir bag (2600ml), Silicone extension tube and complete with patient valve

ANNEX 2—SPECIFICATIONS

LABORATORY

Hematology Analyzer:

- Performs automated blood counts for aspirating blood, dilution, measuring, calculations, print out and computer transfer
- Advance data management
- With two printer (Graphic and Ticket)
- Parameters shows on 14 inch screen
- Parameters WBC, LYM%, LYM#, MON#, GRA#, GRA%, RBC%, HGB, HCT, MCV, MCM, MCHC, RDW, PLT, MPV, PDW, PCT
- Histograms WBC, RBC, PLT (Three distribution curves)
- Power Supply 11 0V/220 Volts 50Hz or 60Hz

Chemistry Analyzer:

- Fully Automatic with a minimum operator involvement, fast and accurate results
- Dry Slide Technology
- Capable of performs over 35 tests including basic chemistries, Electrolyte, enzymes, esoterics and full lipid profile. (pH, H, pCo2, pO2, Na, K, Ca, Cl, Hct etc.)
- Analyze time 40 to 60 seconds
- Individual packaged test slide
- Sample type Whole blood. If plasma/serum required must be provided Centrifuge with machine and necessary requirement
- Sample 10 micro liters of serum or plasma
- Special chemistry test and Electrolytes separate modules connected to the Main System Analyzer
- Power Supply: 110V/220 V AC 50-60 Hz

Centrifuge, Bench Top:

- Compact Unit, Versatile
- Enable to use as Micro-Hematocrit Cyto centrifuge, included accessories
- Enable to use standard tube sizes
- With sixty minutes timer
- Display for time and speed
- Up to 12000 rpm enables to change by steps
- Automatically shut off the unit if sample load is not properly balanced
- Auto-dynamic Electric Braking
- All metal cabinet
- Exterior backed enamel finish
- Guard bowl Stainless Steel
- Power Supply: 220V AC, 50Hz or 60Hz

ANNEX 2—SPECIFICATIONS

LABORATORY

(continued)

Microscope Basic:

- Combine advanced optics with the operating simplicity of a standard laboratory Microscope
- Long Ann design
- Well-Balanced Arm Perfect Positioning
- High-Intensity Halogen illumination
- Well-Balanced Arm Perfect Positioning
- Objective Lens $f=200\text{mm}$
- Variable angle binocular tubes
- 12.5x eyepieces with a scale
- Included Lenses and necessary accessories
- Flatness of field, color correction and image quality superior to those obtainable with conventional achromatic system
- With the four objective
- With the capability variations to accommodate a wide a wide range (to advanced bacteriology)
- Rotate able Body: Inclined Monocular
- Automatic Linkage of illumination And Zoom Control
- Stage Plain with slide clips
- Focusable Revolving Nose Piece Double
- Condenser: in stage condenser and Disc Diaphragm
- In base illuminator with transformer
- Power supply 220 Volts 50/60 Hz

Shaker:

- Double Deck, removable trays which hold up to forty six 10 ml Vacutainers
- Complete Silent
- Accepts tubes of any diameter up to 6"
- Shaking Speed from 22 to 70 reversible per minute
- Trays may be added or removed during operation

Mixer:

- Continuous gentle mixing in hematology, chemistry research for blood samples
- Can hold serum bottles or other vessels, separately or collectively
- Top plate is robber dimple
- Power supply 220 Volts 50/60 Hz

ANNEX 2—SPECIFICATIONS

LABORATORY **(continued)**

Rocker:

- Producing uniform, homogeneous test-tube specimens in hematology. chemistry and Urology
- 16-tube capacity
- Washable tube pad
- 24 rocking cycles per minutes
- Speed: 24 cycles per minutes
- Rocking platform can hold 16 standard test tubs up to 20 x 150 nun

- The friction-grip. silicon rubber cushion holds test tubes firmly in place and prevents bumping
- Capped test tubes can be easily loaded and 'unloaded' without turning the mixer off
- Power supply 220 Volts 50/60 Hz

Bath, Water:

- Bath Capacity 2.5 liter to 5 liters
- Temperature Range 40 to 260 Centigrade
- Bath Uniformity +/- 0.01 Centigrade
- Microprocessor controlled, Digital
- LED, display
- Adjustable High limit control 20 to 320 Centigrade
- Press pumps max. Flow 20 liters/min
- Suction Max. Flow 14 liters/min
- Enable to connect for programmer or Remote Control
- Enable to connect Remote Sensor
- Enable to connect recorder or visual/audio alarm
- Power Supply 220V AC, 50Hz or 60 Hz

Incubator, Electronic:

- Precision designed for smaller work load
- Temperature range +5 Centigrade to 70 Centigrade, with uniformity of +/- 1.0 Centigrade at 37 Centigrade
- Hydraulic thermostat to protect against temp overshoot
- Interior and exterior shall be enameled steel
- Inner glass door permit visual inspection of samples without disturbing contents or temperature uniformity
- Inside size 13" x 13" x 14"
- Power Supply 220V AC, 60Hz

ANNEX 2—SPECIFICATIONS

LABORATORY
(continued)

Refrigerator, Low Temp (Freezer):

- Upright Freezer
- Adjustable Stainless Steel two Shelf
- 6 Cubic ft
- Storage for flammable or nonflammable material
- Enable to fit under the table
- Low noise Level (Better than 56 dB)
- Set Temperature +20 Centigrade to -16 Centigrade (+20C to -16C)
- Power Supply 220 Volt 50/60 Hz

Refrigerator:

- Upright Freezer
- Adjustable Stainless Steel two Shelf
- Storage for flammable or nonflammable material
- 6 Cubic ft

- Enable to fit under the table
- Low noise Level (Better than S6 dB)
- Set Temperature +2° Centigrade to +8° Centigrade (2°C to 8°C)
- Power Supply 220 Volt 50/60 Hz

Timer:

- With three functions: Single Action, Time In/Time Out and Continuous
- Timings read out to 59 minutes, 59 seconds and 9 tenths on LED
- With rechargeable battery with AC adapter
- Power Supply 220V AC, 50Hz or 60Hz (Adapter)

Distillation Unit:

- Produce two gallons of distilled water (Bio-pure water) per hour
- Wall fitted
- Distillate shall be pyrogen-free
- Included Storage Tank with a draw-off faucet
- Power Supply 220V AC, 50/60hz

Blood Bank Refrigerator:

- Compact Unit
- 8 cu. ft. to 10 cu. ft.
- Two Stainless Steel Drawers and with convenient flat counter Surface
- Dual Automatic controls and maintain cabinet temperature 2°c to 8°c centigrade

ANNEX 2—SPECIFICATIONS

LABORATORY
(continued)

- Automatic off cycle defrost
- Neoprene thermo-break seat
- Audio/visual temperature monitor
- Condensate evaporator
- Included front, sides, top and interior or unit are stainless steel
- Back and bottom are galvanized steel
- Power supply: 220volts, 50/60hz

Urine Analyzer:

- Immediate start up the system as soon power turn on (with no warm up time or calibration required)
- Automatic Calibration
- Large display screen with touch-sensitive action streamlines operation
- Both tone and display guide operation through each stop
- Automatic sample color determination
- 500 Samples per hour
- Perform the multiple chemistry tests
- Bilirubin, Glucose, Ketone, leukocyte, Nitrite, occult blood, protein, specific gravity, pH
- Power Supply 100V/240, 50/60 Hz

Couch (for Blood Draw):

- Electrical operated through 3 independent 24V electric motors
- Four antistatic castors with the central locking system
- Arms rests can be adjusted in height and locked
- Power Supply 220V AC, 50/60Hz

Hot Air Sterilizer:

- Automatic hot air sterilizer assures that the temperature can reach in 5/8mins.
- Adjustable capillary thermostat 0- 210°C
- Adjustable manual timer from 10 min. to 120 min.
- Continuous service 24 hrs on 24 hour timer position
- Stainless steel chamber
- 3 stainless steel trays with 1 extractor for trays
- Suitable for laboratory instruments, glasswares, etc.
- Volume capacity: 40 to 50 liters
- Power requirements: 220volts AC, 50/60Hz

ANNEX 2—SPECIFICATIONS

STERILIZATION UNIT

Sterilizer Unit, Steam:

- Cycles: Gravity and Vacuum combination-(121 °C Pre-vacuum, 134°C Pre-vacuum) Leak: Test and Bowie-Dick Test
- Impact Printer/Recorder of all pertinent cycle data, Data should be printed at the beginning and end of each cycle and at transition points during the cycle.
- Single Door, Power Door type, Stainless Steel chamber
- Automatic Controller
- Insulated Doors to reduce surface temperature of stainless steel door cover.
- Power supply, 380 3060Hz (to conform on site)
- Built in steam generator
- Chamber Size: 110 liters (or nearest volume available)
- Complete with loading trolley, trays and other accessories

Washer, Disinfecter:

- Electric Heated
- Floor Mounted
- Microprocessor Controlled
- Chamber Load Capacity 50 liters
- Vertical sliding power door constructed of tinted, tempered glass
- Door opened or closed automatically by using the touch pads on control board if power failure occurs door can be opened manually
- Pump powered by dual-speed motor
- Automatic detergent injection assures that the right amount of detergent is dispensed into the water
- Provided special enzymes pretreatment for a highly effective cleaning
- Heating system enables to be achieved high temperature (95 Centigrade) and maintained throughout the thermal rinse phase
- Drying temperature enables to set 66 Centigrade to 116 Centigrade
- Walls are well insulated for minimum heat loss
- Enable to complete the cleaning process within 26 to 33 minutes
- Complete with loading trolley, trays and other accessories.

Cleaner, Ultrasonic, Floor Mounted:

- Sonic cleaning chamber: 15 to 20 Liters
- Same size rinsing and drying chamber
- Bottom of the sonic chamber contains piezoelectric transducers powered by a solid-state Generator
- Resonant frequency of transducers 40 to 4S KHz

ANNEX 2—SPECIFICATIONS

STERILIZATION UNIT

(continued)

- Provided a radio frequency filter to prevent undesirable line feed back between the transducers plate and the bottom of the cleaning chamber
- Automatic lid opens at the end of cleaning process and closes by actuated kick plate electrically, Same function for rinsing and drying chamber
- Completely transistorized
- Power Supply 220 V AC 50/60Hz

ANNEX 2—SPECIFICATIONS

PHARMACY

Cabinet Medicine:

- Size: H x W x D = 1750 x 1000 x 450 mm
- Ground mounted, Heavy Duty
- Material should be Aluminum and painted

Storage Medicine Cabinet, Two Door:

- Two hinged sheet steel doors
- Powder coated, complete
- With lock, five adjustable plastic shelves
- Pull out shelf: plastic, guiding rails of sheet steel
- 14 adjustable plastic containers, set in the inner side of doors
- Size: H x W x D = 1750 x 1000 x 450mm
- Included One medicine compartment, lockable, sliding door
- Dimension of medicine cupboard: 330 x 945 x 265mm = D x H x W

Cabinet, Narcotic, Double Door, Wall Mounted:

- Wall mounted
- Constructed of steel
- 1 shelf, double door
- Meet safety to drugs law
- Lock able
- Dimension 257 x 347 x 298 (H x W x D)

Refrigerator, Pharmaceutical:

- Capacity 6 cu ft
- Lockable

- Adjustable thermo-state control form 1 centigrade to 10 Centigrade
- With display
- Temperature control +/- 0.5 centigrade at 4 centigrade
- 2" foamed-in-place polyurethane Insulation
- With 4 Shelves, space can be increase or decrease
- Vinyl, exterior coating, durable, chemical resistant
- Digital display temperature read out
- Built in chargeable battery for 24 hours to work capacity.
- Power Supply: 220V AC, 50/60Hz

ANNEX 2—SPECIFICATIONS

PHARMACY **(continued)**

Counter, Tablet, Electrical Automatic, Bench Top:

- Microprocessor controlled
- Hospital Module
- Bench top
- Enable to count 1 to 1000 tablets
- Accuracy 100%
- Power supply: 220V AC, 60Hz

Bin, Unit Dose Medication, Medium:

- Good quality Vinyl Plastic
- Unbreakable

Bin, Unit Dose Medication, Large:

- Good quality Vinyl Plastic
- Unbreakable

Bin, Unit Dose Medication, Small:

- Good quality Vinyl Plastic
- Unbreakable

ANNEX 2—SPECIFICATIONS

OPHTHALMOLOGY CLINIC

Eye Examination System with patient chair, Ophthalmic Stand with overhead lamp and complete with slit lamp, Autokerato-refractomete, Phoroctor Unit and Autochart Projector:

- Ophthalmic unit complete w/ ophthalmic stand w/ overhead lamp, patient chair, with lens bag.
- Table top w/ mechanical brake can hold Slit lamp and autokerato-refractometer
- Rigid scratch resistant base
- Fully integrated Main Control Panel for overhead lamp. chairs and instruments as well as the room Light
- Main power switch: 220VAC, 60Hz, 1.7KW

- PATIENT CHAIR
 - Electronically operated, Full reclining, Foldable armrest, and w/ footrest, Foot switch, up/down capability
- DOCTOR CHAIR
 - Swivel stool
 - 5-arm polished aluminum base with friction-braked double castors for smooth floors
 - Height adjustment by means of "anatomic-lift" gas spring
 - Leatherette upholstered seat w/ backrest
- VISUAL PROJECTOR
 - Auto chart projector
 - Remote control operation
 - 30 Test Charts Including "E": of different sizes
 - Projection Magnification 30X
 - With Horizontal line, Vertical Line and Single Character Masking
 - Enables to program to project specific sequence of Charts
 - With tilt function
 - With Polarized Metal Screen
 - Auto Shut-Off function
 - Illumination by Halogen Lamp
 - Power supply: 220V AC, 60Hz

ANNEX 2—SPECIFICATIONS

OPHTHALMOLOGY CLINIC

(continued)

- PHOROPTOR UNIT
 - Power range:
 - Myopia: 0 to -19.00D
 - Hyperopia: 0 to +16.75D
 - Astigmatism: 0 to -6.0 D, increased to -8.0D w/ accessory lens
 - Cross cylinder: +0.5D (+ 0.25D - optional)
 - Pupillary distance: 50 - 78mm
 - Automatic near-point convergence mechanism
 - Synchronized cross cylinders
 - Rotary prism available
 - Wide selection of auxiliary lenses
 - Sealed Lens systems for dust and finger prints
- AUTOKERATO-REFRACTOMETER UNIT
 - Spherical power range: - 25D to + 22D
 - Cylinder power range: 0 to + 10D
 - Axis: 0 to 180 degree
 - Minimal pupil diameter: 2.00mm to measure small pupil
 - Corneal curvature radius: 5.0 to 10.0 MM

- Corneal refraction: 67.5D to 33.75D
- PD measurement range 85mm maximum
- Rotary prism measuring to enable accurate and reliable data
- Auto measurement function
- Built in color LCD display and printer
- Stores measurement of each eye in memory
- Omni directional joystick enabling operation of the machine by one hand
- Corneal diameter measurement mode
- SLIT LAMP UNIT
 - Binocular Stereoscopic w/ erect image
 - Infinitely adjustable Slit width and length
 - Slit length: 1mm to 8mm
 - Slit width: 0 to 9 mm
 - Magnification: 10X to 25.6X
 - Eyepieces: 10X to 16X

ANNEX 2—SPECIFICATIONS

OPHTHALMOLOGY CLINIC **(continued)**

- Slit Beam Inclination: up to 20 degree
- Four built in printers: Cobalt blue, Red – free, Neutral density, and Heat absorbing

Ophthalmoscope, Indirect:

- Compact and light weight
- Enables to raise and lower the light source without converging the viewing optics
- Scratch resistant coated optic
- Brilliant natural halogen illumination
- Illumination rheostat shall be located on the hand band
- Built in UV, Blue and Red free filters
- Minimum pupil diameter: 2mm
- Pupillary distance adjustable from 52 to 76 mm
- Power supply: 220V AC, 60Hz
- Included carrying case. Battery pack set

Lensometer with Marking Device:

- Fully automated operation
- LCD display (320 x 240dot). showing the indication of Single, right-left, prism, addition, S.C.A, Abbe
- Built in Printer
- Enables to measure Frame Lenses, Contact Lenses. Bifocal and Progressive Lenses
- Identifies Progressive Lenses
- Spherical Power range: 0 to +/- 25D
- Cylinder Power range: 0 to +/- IOD

- Cylinder Axis range: 0 degree to 180degree
- Prismatic power 0 to 10 Prism
- Lens Diameter: 5 to 98mm
- Power Supply; 220V AC. 60 Hz

Lenses, Trial, Complete Set in Case:

- Included lenses, trial frame, accessories and case

Trial frame:

- Light weight durable metal construction
- Horizontal and Vertical frame
- Adjustable Mechanism assures comfortable nose fit of different sizes

ANNEX 2—SPECIFICATIONS

OPHTHALMOLOGY CLINIC

(continued)

- Separate PD adjustment for each eye
- Individual adjustment for Temple Length and angle
- Adjustment for rotating cylinder to correct the axis
- The frame on the ear is extendable or reduce able
- Space for setting 4 lenses at a time
- Scale with large, easy to read numerals

Trial lens:

- Lenses are marked on one side only to ensure correct position in the frame
Lenses have sturdy, light weight aluminum rings that are different color coded and marked for fast, positive identification for minus, plus, prism and accessories
- Lenses cemented and firmly clamped to ensure precise alignment
- 260 Pieces of lenses
- Included prisms and accessories included, Stand with Carry Case
- On four castor, two castor brake able, Case removable from the stand

Sternest (Stereopsis Test Book or Drawing):

- Complete Kit
- Included glasses, book, occluder.
- Enable to use for adult and pediatric

Retino Scope:

- Enable to use either streak or spot beam with simple bulb change
- Neutralization check to allow rapid of neutralization in both streak and spot modes
- 360 degree access to single control for both rotation and convergence adjustment
- With rechargeable batteries
- Included table top Charger

Tonometer, Ophthalmic:

- Portable measurement of eye Intraocular Pressure
- Battery operated with digital display

Binocular Loop:

- Spectacle frame or head band mounted
- With three stages magnification 2.0X, 2.5X, 3.0X and wide range of working distances

ANNEX 2—SPECIFICATIONS

OPHTHALMOLOGY CLINIC

(continued)

- With optical alignment reduces eyestrain
- With Individual interpupillary adjustment allows adjustment allows more than one user's to benefit
- Constructed of high quality light weigh glass and light weight aluminum
- Flip-up magnification during when not in use

ANNEX 2—SPECIFICATIONS

DENTAL CLINIC

Dental Chair Unit, Complete:

- Dental Chair:
 - Chair base
 - Back rest
 - Headrest: push headrest in or pull it out to suit the patient height. Bring the headrest to the desired position.
 - Armrest: easier for the patient to get into dental chair, the arm rest can be swiveled upward.
 - Seat adjustment control
- Unit base:
 - Supply element: connection of electric (110/220 volts, 50/60Hz)
 - Water pressure: 2.5 - 6bar
 - Air pressure: 5.2 - 7bar
 - Suction air: \geq 65mbar at inlet
 - Waste water drainage
 - Main fuse
 - Main switch
- Unit body w/ Patient Parts:
 - Spittoon
 - Tumbler filler
 - Central control is housed in the unit body Pressurized water bottle
 - Footswitch controller
- Assistant elements:
 - Three function Syringes
 - Suction tubing
 - Comfort keypad and display
 - Saliva ejector
 - PolyLux handpiece
- Dentist elements:
 - Three function Syringe
 - Keypad and display

- Locking brake
- Compact X-ray viewer
- Tray support
- Scaler
- Alternatively intra Lux motor Turbine

ANNEX 2—SPECIFICATIONS

DENTAL CLINIC **(continued)**

- Keypad Functions:
 - Group A:
 - Dental chair up or automatic position
 - Dental chair down or automatic position (rinse position)
 - Backrest up or automatic position
 - Backrest down or automatic position
 - Last position or automatic position
 - Group B:
 - X-ray viewer
 - Flushing of spittoon bowl
 - Tumbler filler
 - Cold light at the instrument
 - Spray selection at the removed instrument
 - Motor reserve pre-selection treatment light ON when instrument set down
 - Dental chair plate safety switch
- Dental Chair/Foot Control:
 - Foot control switch for chair up, down, backrest up, backrest down, load position automatic operation
- Dental Unit Foot Control
 - Switch for foot control "ON" of the unit, spray indication, ccw/cw motor operation
- Dental Light:
 - The Lighting unit has removable (autoclave-able) handles
 - Light output of 25000 lux, highlight performance fan cooled bulb ensures optimum illumination that is indistinguishable from natural daylight.
- Dental Stool:
 - Doctor Stool
 - Cast aluminum base with five casters
 - Seamless upholstery
 - Integral gas cylinder for height adjustment
 - Two way adjustable lumbar support
 - Seat height range 18.0 inch - 25 inch (470mm-635mm)
 - Assistant stool:
 - Cast aluminum base with five caster
 - Seamless upholstery
 - Integral gas cylinder for height adjustment
 - Height adjustable torso support

ANNEX 2—SPECIFICATIONS

DENTAL CLINIC

(continued)

Height adjustable foot ring
Seat height range: 22 inch - 29 inch (572mm-737mm)

Amalgamator:

- Microprocessor controlled
- Touch pad controls
- Led Display
- Programmable preset memories
- Spring tensions, molded capsule holder
- Timer 1-30 seconds
- Cycle speed 4200 CPM - 3600 CPM
- Sealed mix area
- Accepts all types of capsules including amalgam and ionomer
- Power requirements: 110 volts/220volts, 50/60Hz

Light Curing Unit:

- 450mw / cm² minimum curing output
- 3 to 13mm light guide selection
- 360 rotation light guide
- Autoclavable and sterilizeable light guide
- 100 hours lamp life
- Ultraquite cooling fan
- Pistol handpiece with trigger activated blue light
- Audible tones every ten seconds for curing time control
- Eye protection shield

Film Processor, Dental:

- Daylight dental film processor with automatic program control
- Removable baths for developer, fixer and water for cleaning
- Inclined viewing window for easier observation of internal working process
- Thermostatically-controlled bath heating and film drying
- Complete with film clip for all miniature format and standard intra-oral film
- Power supply: 110v/220volts, 50hz/60hz

Dental X-Ray Unit:

- Wall mounted w/ 45 or 90cm extension arm, folding arm
- Compatibility with Digital Intra Oral Radiology machine
- Automatic set up of working conditions by selections of patient size (child or adult), and tooth type

ANNEX 2—SPECIFICATIONS

DENTAL CLINIC
(continued)

- Tube head is equipped w/ beam limiting device (collimation) and a tiny focal spot compatibility with Digital Intra Oral Radiology machine
- Microprocessor controlled electronic timer
- Digital display of exposure time in seconds

- Special low dosage switch to work w/ digital imaging sensor.
- Safety leakage radiation
- Mains voltage (selectable 110volts/220 volts, 50/60Hz w/ +/-10% correction of mains fluctuation)

Dental Scaler Unit:

- Titanium hand piece for cool and long life operation
- Powerful scaling for the most stubborn stains and calculus
- No heat generation of hand piece even under persistent use
- User control of delivered power and water supply
- Equipped w/ endodontics function providing easy and rapid root canal enlargement and treatment
- Standard accessories: Hand piece, 3 tips, torque wrench, foot switch, power cord and hose
- Output frequency: 29khz, Delivered power: 20 watts, Hand piece cable: 2.5m
- Mains supply: 100 - 240volts, 50/60Hz

Dental Cabinet System with Sink:

- Made of electrogalvanized, cold rolled steel
- The work tops are made of post-form laminated scratch-proof plastic
- Equipped w/ sink - a long lever mixer faucet for hot/cold water, and a waste bin

Dental Instrument Table, Mobile:

- Made of electrogalvanized cold rolled steel
- Four (4) drawers with locking mechanism and locking castors

Ultrasonic Cleaner:

- Provides quick, effort less and thorough cleansing of delicate difficult to clean dental instruments
- Cleaning temperature: 10°C to 70°C
- Power requirement: 110V/220V, 50/60hz

ANNEX 2—SPECIFICATIONS

DENTAL CLINIC

(continued)

Autoclave Unit, Dental:

- Capacity 17 liters (Bench top)
- Microprocessor management and digital display
- Automatic functioning
- Thermodynamic initial vacuum
- Thermal drying system
- Fully automatic chamber water filling and safety mechanism

ANNEX 2—SPECIFICATIONS

ENT CLINIC

ENT Treatment Unit, Complete:

- Ergonomic arrangement of mirror heating, light source switching and control for suction and compressed air
- Central operating and display panel
- Automatic control of all pumps and light sources
- Suction performance (max. 55 li/min) for all ENT applications
- Maintenance free and vibration free suction pump
- Service compartment of pump area easily accessible for doctor and staff
- Endoscope storage with integrated heating and optical system/ lightsource
- Connection for head lamp! Nystagmus binoculars complete with headlamp suspension automatic switching function of the light source
- Cabinet with two fold instrument deposit with subjacent writing and working plate with integrated tongue patches and swab dispenser
- Integrated removal deposit tray for used instrument and for safe hygienic instrument management
- Endoscopy programme to document and visualize doctors finding
- Microscopy integration with light source control on the tmit and expandable with camera system and LCD Oat screen
- Ear and hose rinsing system, independent of water supply and waste water connection and complete with general accessories.
- Adjustable power source for warm light headlamp, cauterization and complete with accessories
- Patient Chair, electromotive height adjustment, rotary seat
- Doctor Chair with height adjustment and back rest

Audiometer, Clinical:

- Large backlight graphical LCD display
- True two channels include microphone, assistant phone
- Automatic data transfer to computer and data printer
- Test signals: pure, pulse, warble tone, narrow band, white and speech masking noise with two channels
- Inputs: CD/Tape, stereo live speech microphone, external masking, patient microphone, patient response switch
- Air conduction range: -10 to 120dB, include headphone
- Bone conduction range: -10 to 70db
- High tone audiometry for AC to BC 16khz
- Free field range: -10 to 90dB at 1m distance include speaker 120dB
- Selectable range of Test frequencies

ANNEX 2—SPECIFICATIONS

ENT CLINIC **(continued)**

Middle Ear Analyzer:

- Fast, full automatic tympanometric test
- Ipsi and contralateral reflex test with 4 frequencies
- Reflex test with adjustable levels from 70 to 10Sres. 70 - 110db or automatic
- Reflex decay testing, Eustachian tube function test
- Fast integrated printer and PC interface

ANNEX 2—SPECIFICATIONS

X-RAY

X-Ray Unit, General:

- Adjustable Patient Table variable from 59 to 89 cm with foot control pedal located on both front and rear of table to allow easier patient positioning
- Longitudinal/lateral electromagnetic and electromechanical locks to provide safety and security
- Floor mounted tube radiography system allow easy positioning with flexibility and functionality to accurately position the tube in all radiographic procedures
- Bucky wall stand (adjustable height) with cassette function using automatic cassette size sensing
- Collimator (manual or automatic) which effectively limits the field of exposure during radiography and an easily changeable collimator bulb
- Frequency generator available in 4 power configurations of 30/ 50/ 65/ 80KW
- Self calibrating variable frequency operation delivers higher accuracy, shorter exposure time and lower patient dose
- Control-console includes manual mode technique and parameter control, anatomical programmer, and automatic exposure control

X-Ray Film Processor, Bench Top:

- Rapid processing cycles for fully processed 35x43 cm (14x17 in) radiograph, dry and ready to read
- Automatically feeds exposed films into the processor
- Processing tanks molded in polyurethane with three sections for developer, Fixer And washer
- Thermistor/logic circuit, water heat exchanger, and developer recirculation system control developer temperature to +/- 2°C
- Dryer temperature control is thermostatically controlled and easily adjustable
- Automatic standby control when no film is processed and reduces water consumption.
- Power requirements: 110volts/220volts, 50/60hz

X-Ray Film Viewer, Double:

- White enameled steel casing
- Edge to edge viewing
- Clear Perspex spring-loaded film clips
- Twin Tropical Daylight tubes with illuminated switching per panel
- Dimensions: Height x Width = 505 x 724 mm
- Power Supply: 110V/220VOLTS, 50/60HZ

ANNEX 2—SPECIFICATIONS

X-RAY

(continued)

Apron Patient Protective:

- Flexible lead rubber in tear resistant plastic cover
- Sleeveless, half length at back
- Fastening with crossed elastic straps with Velcro end

- 0.5 lead thickness for small, medium and large sizes

X-Omatic Identification Camera, Digital:

- Enables to print patient data digitally with the all types of cassette
- Portable and built in battery power
- Adjustable exposure light intensity
- Films and Cassettes: all 15mm cassettes with standard ID window Film size: all film types
- Imaging: Enables to both black on white and white on black exposures
- Characters: Standard font: 4 lines of 38 characters Larger font: 4 lines of 28 characters

ANNEX 2—SPECIFICATIONS

PRIMARY CARE CLINIC

Examination Table:

- Rectangle steel tube frame, chromium plated
- 2 section
- 70 mm thick foam rubber upholstery
- Reclining head section
- Adjustment by means of clamp lever
- With leveling feet
- Included paper roll holder, 500 mm wide
- Dimension: 650 x 1950 mm

Vital Signs Monitor:

- Parameters include NIBP, SpO₂, and Temperature, Pulse rate.
- Large LED Display able to be seen 1 meter distance
- Color Coding clearly presents parameters data second by second
- Built in Printer
- Internal rechargeable battery operating life Minimum One hour
- Technique Automatic Oscillometric
- Range 0-255 mmHg Accuracy +/- 2 mmHg
- Cuff inflation 3 to 20 seconds
- With Alarm for Systolic and Diastolic
- Pulse Oximeter Range 0-90 %, Resolution 1 %
- Accuracy +/- 2%
- Heart rate Range 0-250 bpm, Resolution 1 bpm, Accuracy +/- 1 bpm
- Power Supply 220 Volt 60 Hz

Suction Regulator:

- Included regulator, jars, probe (inlet fitting British standard), rail mounted, and hose.
- With overflow safety trap
- Internally well designed with the increments in cmH₂O & kPa to give accurate vacuum by precision regulating diaphragm
- With two scales -mmHg and -kPa
- With three modes Off, On and Max.
- With the feature of positive pressure relief valve vents accidental positive pressure away from patient and system

- Two modes high continuous Gauge 0-100KPa
- Flow rate 0-80 l/min

ANNEX 2—SPECIFICATIONS

PRIMARY CARE CLINIC **(continued)**

OTO/Ophthalmoscope:

- Diagnostic Set
- Battery Handle with chargeable batteries
- Charging holder with the transformer
- Ophthalmoscope with halogen bulb
- Otoscope head with halogen bulb
- One each reusable ear speculum sizes: 2, 3, 4 and 5mm
- Five each disposable ear specula 2.5 and 4.0 mm
- One magnifying glass for operation 2.5
- With spare bulb

Thermometer Electronic:

- Liquid Crystal Display
- Enables to read in Celsius/Fahrenheit
- Probe storage
- Temperature range: 31.6 centigrade to 42.2 centigrade
88.9 Fahrenheit to 108.0 Fahrenheit
- Accuracy +/- 0.1 C +/- 0.2 F
- Information display, Monitor mode, rechargeable battery, return to base charger, battery low, Broken probe
- Power requirements: 220volts AC, 50/60hz

Gulcometer:

- Hospital Module
- Enable to use individual strip
- Built-in rechargeable batteries and with battery charger
- Power Supply 220V AC, 60Hz

Scale Standing Digital:

- Electronic Scale with large display
- Enables to show TARE, HOLD and BMI
- Graduation 100 gm/ 0.2 Lbs
- Enable to switch over to lbs-kgs
- With Transport Castors
- With rechargeable batteries, built in adopter
- Power Supply 220 V AC, 60Hz

ANNEX 2—SPECIFICATIONS

PRIMARY CARE CLINIC **(continued)**

Suction, Portable:

- Air flow rate: 18 l/min
- Vacuum-meter: 0 to 1 Bar
- 1.5 liter bottle
- With Grip & Bacterial filter
- Suction device sterilize-able
- Over flow protection
- Two meter silicone-suction tubing
- Dimension approx: W x H x D = 320 x 140 x 255
- Rechargeable built in battery
- Approx. Weight: 3 to 4 Kg
- Power Supply 220 Volts 60 Hz

Examination Light:

- With the stand and four Castor made of quality material
- Base Five arm on Castors
- Flexible (Swan neck system)
- Chromium-plated arm
- 50W Halogen cool bulb, provided spare Bulb
- Built in Auto transformer
- Power Supply 220V AC, 60Hz

Laryngoscope Set:

- Size Standard
- Blade type Macintosh in quantity number three (3) Large, adult and child with Lamp installed
- Fitting Blade: hook on fitting
- Tip adjustable on the blade to provide the Clinician with greater flexibility, especially in cases of difficult incubating
- Uses four different angles between the blade and handle i.e. 90 degree, 45degree, 180 degree and 135 degree (Standard)
- With four locked position light remains illuminated during changing from one position to another
- Blade is McCoy type
- Blade hook on fitting
- Tip adjustable on the blade to provide the Clinician with greater flexibility, especially in cases of difficult incubation
- Complete Set provided in Zippered Case.

ANNEX 2—SPECIFICATIONS

PRIMARY CARE CLINIC **(continued)**

X-Ray Viewer, Single:

- White enameled steel casing
- Edge to edge viewing
- Clear Perspex spring-loaded film clips
- Twin Tropical Daylight tubes with illuminated switching per panel
- Dimensions: Height x Width = 505 x 724 mm
- Power Supply: 220Volts, 50/60hz

Oxygen Flow Meter with Humidifier:

- Direct fitted to the Outlet (British Standard), included with the Humidifier.
- Nickel-plated brass base and body
- Clear shroud
- Expanded lower scale 0-5Lpm

Sphygmomanometer, Wall Mounted:

- Wall mounted or rail fitted as hospital requirements
- 6 in. to 8 in. diameter anemometer
- 7ft extendable neoprene tubing
- Easily read scale
- Pair of cuff for adult and child
- Cuff able to fits neatly at instrument grilled basket

ANNEX 2—SPECIFICATIONS

IN-PATIENT UNIT

Patient Bed, Electric:

- Integrated collapsible side rail w/ control and Foot Board control with lock out
- Electrical Controlled Movement: Bed up/down: 74cm/36cm
Backrest: 0 - 65 Deg
Knee Gatch: 0 - 24 Deg
Trend/Rev. Trend: +/- 14Deg
- Weight Capacity: 500lbs (228kgs)
- Supplied with Bedside cabinet and Table Top Server
- Power requirements: 220 volts, 60 HZ
- Lowest Height of 13.5 inch (34.30 cm), enhances patient safety
- Mobile on four double castors to be activated by foot pedal.
- Complete w/ IV receptacle and IV pole

Vital Signs Monitor with Trolley:

- Parameters include ECG, NIBP, SpO₂, Pulse rate and Temperature
- Large LED Display easily able to seen 3 meter distance
- Color Coding clearly presents parameters data second by second
- Built in Printer
- Internal rechargeable battery operating life Minimum two hour
- Technique Automatic Oscillometric
- Range 0-255 mmHg Accuracy +/- 2 mmHg
- Cuff inflation 3 to 20 seconds
- With Alarm for Systolic and Diastolic
- Pulse Oximeter Range 0-90 %, Resolution 1 %
- Accuracy +/- 2%
- Heart rate Range 0-250 bpm, Resolution 1 bpm, Accuracy +/-1 bpm.
- Power Supply 220 Volt 60 Hz

Infusion Pump:

- The volumetric infusion pump for routine tasks and intensive care medicine for use in all wards
- Microprocessor controlled
- Leakage current should be less than 10 micro ampere

- Delivery range 1-999 ml/hr
- Smallest entry step 1ml/hr or 0.1ml/hr in a range of 1.0-999ml
- Delivery precision +/- 5%
- Delivery volume pre-setting up to 999.9 ml

ANNEX 2—SPECIFICATIONS

IN-PATIENT UNIT **(continued)**

- Function spectrum/Safety system Stand by, drug selection, cc interface operation, pressure limit selection, deactivation of drop control, display of battery capacity, data clock.
- Permanent visualization Delivery rate, current volume, pressure limit battery or main driven, mains control, running control.
- Info-query Infusion status, current and total volume remaining volume.
- Mains/Battery operation
- Voltage 220V, 60Hz
- External low Voltage 12
- Battery type NiCd, rechargeable
- Battery operated time approx: 3.5 hrs
- Mains/Battery operation
- Voltage 220V, 60Hz
- External low Voltage 12
- Battery type NiCd, rechargeable
- Battery operated time approx: 3.5 hrs

Oxygen Flow Meter with Humidifier:

- Direct fitted to the Outlet (British Standard), included with the Humidifier.
- Nickel-plated brass base and body
- Clear shroud
- Expanded lower scale 0-5Lpm

Suction Regulator:

- Included regulator, jar, probe (inlet fitting British standard), rail mounted, and hose.
- With overflow safety trap
- Internally well designed with the increments in cmH₂O & kPa to give accurate vacuum by precision regulating diaphragm
- With two scales -mmHg and -kPa
- With three modes Off, On and Max.
- With the feature of positive pressure relief valve vents accidental positive pressure away from patient and system
- Two modes high continuous Gauge 0-100 KPa.
- Flow rate 0-80 l/min

Annex (3)

Specification of a long chassis truck 6 x 4

Item	Manufacturer	Model	Description
Qty			

Number	Country		
Long 27 Chassis Truck	Freightliner U.S.A.	4900	<p>Engine: Diesel engine (turbo charger)</p> <p>Number of cylinders: Minimum 6</p> <p>Horsepower: 400 minimum</p> <p>Engine cooling: via cooler not less than 100 liters in capacity</p> <p>Gearbox: full automatic with 16 F speeds</p> <p>Tires and rims: minimum 6 tires plus a spare tire fitted with loading and unloading winch</p> <p>Diesel tank: capacity minimum 400 liters</p> <p>Steering wheel: hydraulic 3 year warranty 10 year parts availability</p>

Annex (4)
Specification of a Forklift

Item Qty Number	Manufacturer Country	Model	Description
Forklift 3	Hyster U.S.A.	P300	<p>Load: 12 ton which it can lift up to 3 meters</p> <p>Engine: Diesel engine with 160 HP at least</p> <p>Number of cylinders: 6</p> <p>Fork: Length minimum 2 meters. Can be moved right and left. Height up to 4 meters, thickness minimum 82 mm. Width minimum 180mm.</p> <p>Fuel: Diesel</p>

Safety System: The equipment will not move until after the driver has sat on the driver's seat.

Can be shipped on C 130 aircraft. That means its width is not more

than

2.4 meters and its height is not more than 2.4 meters.

Annex (5)
Specification of trailers (low beds)

Item Number	Qty	Manufacturer Country	Model	Description
Low bed 3		Fontaine U.S.A.	Lowboy	<p>Design: low bed</p> <p>Capacity: 60 tons</p> <p>Suspension system:</p> <ol style="list-style-type: none"> 1. Tri-axel, 16000 kg each (48000 kg for all axels) 2. Leaf spring 3. (12) Michelin tires, size 12R 20, double configuration for each end designed for paved and unpaved roads (highway and off highway use). 4. (2) spare tire with the same above mentioned specifications <p>Dimensions:</p> <ol style="list-style-type: none"> 1. Low bed length (15m) 2. Low bed width (3.2m) 3. Deck height not exceeding (1.25m) without load

Annex (5)
Specification of trailers (low beds)
(continued)

Item Number	Qty	Manufacturer Country	Model	Description
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Brake system: Two lines air brake systems works on all tires.

Additional manual brakes during stop.

Kingpin: 3.5 inches, fixed on the upper sliding plate (gooseneck).

Front legs: High performance, mechanical, two speeds, flat stands.

Electrical system: 24V electrical system. Trailer shall be fitted with rear lights, signal lights and side lights.

Accessories: The trailer must be fitted with the following:

1. (2) spare tire holders
2. (2) tire rooming
3. Mud flaps set
4. Lockable toolbox

Annex (5)
Specification of trailers (low beds)
(continued)

Item Number	Qty	Manufacturer Country	Model	Description
				5. Sixty liter potable water tank
				6. Tire replacement tools containing an additional long rod for lifting during removal/replacement. Hydraulic jack capable of lifting (1) loaded axle.
				7. Set of (6) connecting chains (6m) each including drops. Each chain must bear at least (10) tons.
				8. (2) air connecting points on both right and left sides above the axles. Air points disconnects quickly and are linked to the trailer's air system.

9. Air hose, minimum length (5m)
fitted with a (male) fast connecto **Annex (5)**

**Specification of trailers (low beds)
(continued)**

Item Number	Qty	Manufacturer Country	Model	Description
				<p>Tire air pressure gauge containing both systems and clear numbering and ranges between 0 and 160 PSI.</p> <p>Towing tools: Trailer shall be fitted with a towing winch at the front of the low bed (fixed) to tow vehicles. Capacity 25 tons. Annex (6)</p>

Specification of a Flat Bed Trailer

Item Number	Qty	Manufacturer Country	Model	Description
Flat Bed	3	Chaparral U.S.A.	2001	<p>Length: 12.5 meter</p> <p>Height: Not more than 1.25 from the ground.</p> <p>Axles: 2 axles with 4 tires each, long springs.</p> <p>Resting legs: Front, match loads, works with two speeds, flat base.</p> <p>Flatbed width: 3 meters</p> <p>Base: The main cover of iron sheet granular not less than 5mm thick, longitudinally welded in full without voids.</p>

**Specification of a Flat Bed Trailer
(continued)**

Item Number	Qty	Manufacturer Country	Model	Description
				<p>Towing pin: 3.5 inches fixed on the upper sliding plate (gooseneck).</p> <p>High quality paints treated for harsh climatic resistance.</p> <p>(2) spare tires.</p> <p>Potable water tank and tool boxes.</p> <p>Side climbing ladders to the flatbeds.</p> <p>5-year warranty of welding and compiling works and a 1-year warranty</p> <p>on the support legs and hydraulic system.</p> <p>Matching illumination and signal system.</p>

**Annex (6)
Specification of a Flat Bed Trailer
(continued)**

Item Number	Qty	Manufacturer Country	Model	Description
				<p>Airbrakes for axles.</p> <p>Electric link system with towing heads.</p> <p>Additional loading chains.</p> <p>Chassis 40 cm.</p>

Annex (7)
Specification of a Refrigerator Truck
The vehicle comprises a chassis + box + a refrigeration unit

Item Number	Qty Number	Manufacturer Unit Price Country	Model Total Price (USD)	Description
Vehicle Specifications	6	Freightliner/ Mercedes U.S.A.	M2106	<ol style="list-style-type: none"> 1. Engine: diesel 6 cylinder 2. Engine power: minimum 120 horse 3. Cooling: water cooling specially designed for hot regions. 4. Steering: power steering. 5. Tires: (6) tires + spare tire of the same size and best international quality brands. 6. Location: rear 7. Fuel tank capacity: 100 liter minimum 8. Gear: floor (ground) engagement — 5 speed and one rear speed. 9. Brakes: hydraulic 10. Payload: 5 tons minimum 11. Chassis length: minimum 5 m 12. General fittings: first aid kit + warning triangle + fire extinguisher

Annex (7)
Specification of a Refrigerator Truck
The vehicle comprises a chassis + box + a refrigeration unit
(continued)

Item Number	Qty Number	Manufacturer Country	Model	Description
The Box				<p style="text-align: right;">+ tire air pressure gauge meter</p> <ol style="list-style-type: none"> 13. Latest model: 2008 1. Length: minimum 5 meters Width: minimum 2 meters

- Height: minimum 2 meters
2. Special material (wood of appropriate thickness or other) between the vehicle's main chassis and the box's chassis to absorb shocks.
 3. Doors:
 - (2) rear doors at the full box opening
 - (1) side door for necessary loading and unloading
 Galvanized, pre-painted metal sheets from inside and outside.

Annex (7)
Specification of a Refrigerator Truck
The vehicle comprises a chassis + box + a refrigeration unit
(continued)

Item Number	Qty Country	Manufacturer	Model	Description
				<ol style="list-style-type: none"> 4. The iron used inside the walls, floor and doors shall be galvanized stainless steel.
				<ol style="list-style-type: none"> 1. Works by vehicle engine and without it. 2. Sufficient to cool the box. 3. Of a known brand. 4. Cooling temperature (5-20C)
				<ol style="list-style-type: none"> 1. Install a rear bumper of hard iron to protect the box from shocks. 2. Install mud flaps to protect rear tire from mud. 3. Internal light (2) lamps. External front light (2) lamps, all controlled from driver's cabin.

Annex (8)
Service Vehicle Specifications

Item Qty Number	Manufacturer Country	Model	Description
Service 12 Vehicle	General Motors U.S.A.	XL1500	<ol style="list-style-type: none"> 1. (8) cylinder, 4.5 liter at least, 250 HP minimum power. 2. (4) doors. 3. Automatic gearbox. 4. Electronic fuel injection. 5. Aircushion for driver and front passenger. 6. ABS brake system. 7. Hydraulic steering wheel. 8. Electric side mirrors 9. Electric window glass. 10. Central locks. 11. Hot/Cold AC. 12. Speed fixer. 13. Radio cassette. 14. Latest model: 2008 15. 3 year warranty Annex (9)

Four-wheel drive Vehicle Specifications

Item Qty Number	Manufacturer Country	Model	Description
Four- 3 Wheel Drive Vehicle	General Motors U.S.A.	XL2500	<p>Speeds: 5 speeds manual.</p> <p>Passenger Number: 7 passengers minimum.</p> <p>Fuel: Benzene</p> <p>Fuel tank capacity: two tanks, main and spare, total tank capacity 130 liters.</p> <p>Other specifications: 4 doors. Hydraulic, adjustable steering wheel. Front adjustable mattresses.</p>

Hot/Cold AC.
Radio cassette.
Aircushion for driver and front
passenger.
Central locks.
Electric window glass.
3 year warranty.

Shipping / Delivery / Set-Up

Item Number	Specifications	Qty
1	Trailer / Hospital	1
2	Generator	1
3	Tanker (fuel)	1
4	Trucks / autos	1
5	Miscellaneous containers	1
6	Additional shipping	1
7	Crates / Shipping Materials	1