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.

<table>
<thead>
<tr>
<th>Item Number</th>
<th>Manufacturer Country</th>
<th>Model</th>
<th>Description</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Truck</td>
<td>Freightliner</td>
<td>4900SA</td>
<td>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</td>
<td>10</td>
</tr>
</tbody>
</table>
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.

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

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.
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.
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<thead>
<tr>
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<td>Ohmeda</td>
<td>7100</td>
<td>Anesthesia Machine complete, including ventilator, as per specifications</td>
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<td>2</td>
<td>Amico</td>
<td>VR-C2UD-9</td>
<td>Suction Regulator, as per specifications</td>
</tr>
<tr>
<td>3</td>
<td>Physio-Control and ABMSC</td>
<td>LP20</td>
<td>Crash Cart, Defibrillator, as per specifications</td>
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<tr>
<td>4</td>
<td>ValleyLab</td>
<td>Force Argon-3</td>
<td>Electrosurgical Unit, as per specifications</td>
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<td>5</td>
<td>Pedigo</td>
<td>NC100</td>
<td>Mayo-Stand for Surgical Instruments, as per specifications</td>
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<tr>
<td>6</td>
<td>Pedigo</td>
<td>P-1020SS</td>
<td>Kick Bucket, as per specifications</td>
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<table>
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<td>Light Operation Theatre, as per specifications (ENGLISH – Surgical Lights)</td>
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<tr>
<td>8</td>
<td>GE</td>
<td>S-5</td>
<td>Physiological Monitoring Unit, Anesthesia Surgical, as per specifications (ENGLISH – Vital Signs Monitor)</td>
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<td>Steris</td>
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<td>Operating Table, as per specifications</td>
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<td>Alaris</td>
<td>7130B</td>
<td>Infusion Pump, as per specifications</td>
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<td>11</td>
<td>Bard</td>
<td>Infusor</td>
<td>Syringe Pump, as per specifications</td>
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<td>12</td>
<td>Level 1</td>
<td>1200</td>
<td>Blood Warmer, as per specifications</td>
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ANNEX 2
OPERATION THEATRE (continued)

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<tbody>
<tr>
<td>13</td>
<td>Galaxy</td>
<td>1068</td>
<td>Stool, Anesthetist, as per specifications</td>
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<tr>
<td>14</td>
<td>Galaxy</td>
<td>1165</td>
<td>Stool, Operating, as per specifications (ENGLISH – Doctor’s stool)</td>
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<td>Anesthesia</td>
<td>Penlon</td>
<td>Laryngoscope Set, Adult/Pediatric w/different blades, as per specifications</td>
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<td>CM106</td>
<td>Table, Instrument as per specifications</td>
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<td>Item Number</td>
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<tr>
<td>17</td>
<td>Littmann</td>
<td>4000</td>
<td>Stethoscope for Anesthetist, as per specifications</td>
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<td>18</td>
<td>ABMSC</td>
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ANNEX 2
OPERATION THEATRE
(continued)

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<td>Burton</td>
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<td>Lamp, Ultraviolet, as per specifications</td>
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<td>Nurse Stool</td>
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<td>Tuttnauer</td>
<td>2540</td>
<td>Counter-top Autoclave</td>
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<td>22</td>
<td>Amico</td>
<td>A2ME20</td>
<td>Medical Gas System</td>
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ANNEX 2
AMBULANCE UNIT

<table>
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<th>Item Number</th>
<th>Manufacturer</th>
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<th>Description</th>
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<tr>
<td>1</td>
<td>Steris</td>
<td>462</td>
<td>Patient Bed, Stretcher, as per specifications</td>
</tr>
</tbody>
</table>

(ENGLISH – Gurney)
2  Drive   FFPI  Wheel Chair, as per specifications
3  U.S.A.

3  Hudson RCI  15FL  Oxygen Flow Meter with
3  U.S.A.  Humidifier, as per specifications

4  Amico   VR-C2UD-  Suction Regulator, as per
3  Canada  CMA  specifications

3  Welch Allyn  62000  Vital Signs Monitor, Wall Mounted,
3  U.S.A.  as per specifications

3  Physio-Control  LP20  Defibrillator, as per specifications
3  U.S.A.

ANNEX 2
AMBULANCE UNIT
(continued)

<table>
<thead>
<tr>
<th>Item Number</th>
<th>Manufacturer</th>
<th>Model</th>
<th>Description</th>
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</thead>
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<tr>
<td>7</td>
<td>Hudson RCI</td>
<td>RC101</td>
<td>Resuscitator, Adult, as per specifications (ENGLISH – Ambu-bag)</td>
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<table>
<thead>
<tr>
<th>Item Number</th>
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<th>Model</th>
<th>Description</th>
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<tbody>
<tr>
<td>8</td>
<td>Hudson RCI</td>
<td>RC100</td>
<td>Resuscitator, Pediatric, as per specifications (ENGLISH – Ambu-bag)</td>
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ANNEX 2
LABORATORY

<table>
<thead>
<tr>
<th>Item Number</th>
<th>Manufacturer</th>
<th>Model</th>
<th>Description</th>
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<tr>
<td>Item</td>
<td>Manufacturer</td>
<td>Model</td>
<td>Description</td>
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<tr>
<td>1</td>
<td>Bayer</td>
<td>Advia</td>
<td>Hematology Analyzer, as per</td>
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<td>Beckman</td>
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<td>Chemistry Analyzer, as per</td>
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<td>3</td>
<td>Centra</td>
<td>CL</td>
<td>Centrifuge, Bench Top, as per</td>
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<td>4</td>
<td>Micromaster</td>
<td>CK</td>
<td>Microscope Basic, as per</td>
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<td>5</td>
<td>Titer</td>
<td>14260</td>
<td>Shaker, as per specifications</td>
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<td>6</td>
<td>Fisher</td>
<td>14059</td>
<td>Mixer, as per specifications</td>
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<td>7</td>
<td>Wheaton</td>
<td>12-813</td>
<td>Rocker, as per specifications</td>
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ANNEX 2
LABORATORY
(continued)

<table>
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<td>Fisher</td>
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<td>Bath, Water, as per specifications</td>
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<tr>
<td>9</td>
<td>Fisher</td>
<td>11-690</td>
<td>Incubator, Electronic, as per</td>
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<td>specifications</td>
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<td>Fisher</td>
<td>952</td>
<td>Refrigerator, Low Temp.</td>
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</tr>
<tr>
<td>Item Number</td>
<td>Manufacturer</td>
<td>Model</td>
<td>Description</td>
</tr>
<tr>
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<td>--------------------------------------------------</td>
</tr>
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<td>11</td>
<td>Fisher</td>
<td>950</td>
<td>Refrigerator, as per specifications</td>
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<td>12</td>
<td>Fisher</td>
<td>545</td>
<td>Timer (Electronic), as per specifications</td>
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<td>Barnstead</td>
<td>4-6V</td>
<td>Distillation Unit, as per specifications</td>
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<td>14</td>
<td>Fisher Isotemp</td>
<td>13987</td>
<td>Blood Bank Refrigerator, as per specifications</td>
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<td>Ames</td>
<td>AM-577</td>
<td>Urine Analyzer, as per specifications</td>
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<td>16</td>
<td>Winco</td>
<td>655</td>
<td>Couch (For Blood Draw), as per specifications</td>
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<td>17</td>
<td>Wayne</td>
<td>S-1000</td>
<td>Hot Air Sterilizer, as per specifications</td>
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ANNEX 2
LABORATORY (continued)

STERILIZATION UNIT (STERILE SUPPLY)
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<th>Manufacturer</th>
<th>Model</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Steris</td>
<td>3013</td>
<td>Sterilizer Unit, Steam, as per specifications</td>
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<tr>
<td>2</td>
<td>Steris</td>
<td>3000</td>
<td>Washer, Disinfector, as per specifications</td>
</tr>
<tr>
<td>3</td>
<td>Steris</td>
<td>Caviwave</td>
<td>Cleaner, Ultrasonic, Floor Mounted, as per specifications</td>
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</tbody>
</table>

**ANNEX 2**

**PHARMACY**

<table>
<thead>
<tr>
<th>Item Number</th>
<th>Manufacturer</th>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Hamilton</td>
<td>6920</td>
<td>Cabinet Medicine, as per specifications</td>
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<tr>
<td>2</td>
<td>Hamilton</td>
<td>8920</td>
<td>Storage Medicine Cabinet, Two Door, as per specifications</td>
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<tr>
<td>3</td>
<td>Health Care</td>
<td>8222</td>
<td>Cabinet, Narcotic, Double Door, Wall Mounted, as per specifications</td>
</tr>
<tr>
<td>4</td>
<td>Fisher</td>
<td>920</td>
<td>Refrigerator, Pharmaceutical, as per specifications</td>
</tr>
<tr>
<td>5</td>
<td>Kirby Lester</td>
<td>KL15df</td>
<td>Counter, Tablet, Electrical</td>
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<table>
<thead>
<tr>
<th>Item Number</th>
<th>Manufacturer</th>
<th>Model</th>
<th>Description</th>
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<tbody>
<tr>
<td>3</td>
<td>Fisher</td>
<td>920</td>
<td>Refrigerator, Pharmaceutical, as per specifications</td>
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<tr>
<td>3</td>
<td>Kirby Lester</td>
<td>KL15df</td>
<td>Counter, Tablet, Electrical</td>
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U.S.A.
### ANNEX 2
#### PHARMACY
(continued)

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<th>Description</th>
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<tr>
<td>6</td>
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<td>1893</td>
<td>Bin, Unit Dose Medication, Medium, as per specifications</td>
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<tr>
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<th>Description</th>
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<tbody>
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<td>Bin, Unit Dose Medication, Large, as per specifications</td>
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<td>Bin, Unit Dose Medication, Small, as per specifications</td>
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### ANNEX 2
#### OPHTHALMOLOGY CLINIC

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<th>Item Qty</th>
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<tr>
<td>1 patient</td>
<td>Topcon</td>
<td>IS-2500</td>
<td>Eye Examination System with chair, Ophthalmic Stand with lamp and complete with slit lamp, Autokerato-refractometer, Phoroptor Unit and Autochart Projector, as per specifications</td>
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<tr>
<td></td>
<td>$ Topcon</td>
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<td>18335</td>
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</tr>
<tr>
<td>3</td>
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<td>LM-8/8E</td>
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</tr>
<tr>
<td>4</td>
<td>Infocus</td>
<td>TLS-266</td>
<td>Lenses, Trial, Complete set in case, as per specifications</td>
</tr>
<tr>
<td>5</td>
<td>Ilab</td>
<td>STB-13</td>
<td>Stereoposis Test Book or Drawing, as per specifications</td>
</tr>
<tr>
<td>6</td>
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<td>SS-3</td>
<td>Retino Scope, as per specifications</td>
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<tr>
<td>7</td>
<td>Perkins</td>
<td>P.E.T.</td>
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<td>8</td>
<td>Capital</td>
<td>M2001</td>
<td>Binocular Loop, as per specifications</td>
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**ANNEX 2**

**OPHTHALMOLOGY CLINIC**

(continued)

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<td>Lenses, Trial, Complete set in case, as per specifications</td>
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<td>STB-13</td>
<td>Stereoposis Test Book or Drawing, as per specifications</td>
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<td>6</td>
<td>Topcon</td>
<td>SS-3</td>
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**ANNEX 2**

**DENTAL CLINIC**

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<td>Promix</td>
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<td>2000</td>
<td>Light Curing Unit, as per specifications</td>
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<td>Dent</td>
<td>810</td>
<td>Film Processor, Dental, as per specifications</td>
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<td>Siemans</td>
<td>DS</td>
<td>Dental X-Ray Unit, as per specifications</td>
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<td>CPC-Henan</td>
<td>UDS-L</td>
<td>Dental Scaler Unit, as per specifications</td>
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<td>3</td>
<td>MCC Cabinets</td>
<td>MFB 210SP</td>
<td>Dental Cabinet System with sink, as per specifications</td>
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<td>Dental Instrument Table, Mobile, as per specifications</td>
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<td>EZ10</td>
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**ANNEX 2**

**DENTAL CLINIC**

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<td>Equinox</td>
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**ANNEX 2**

<table>
<thead>
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<td>MPI</td>
<td>X-Ray Unit, General, as per Precision System specifications</td>
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<td>RPN1700</td>
<td>X-Ray Film Processor, Bench Top, as per specifications</td>
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<td>LD12A</td>
<td>X-Ray Film Viewer, Double, as per specifications</td>
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<td>X-Omatic Identification Camera, Camera #4 Digital, as per specification</td>
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<td>Midmark</td>
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<td>Vital Signs Monitor, as per specifications</td>
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<td>VR-C3U2- F2A</td>
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<td>11735</td>
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<td>Tri-site</td>
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<td>Hemocure</td>
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<td>Glucometer, as per specifications</td>
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**ANNEX 2**

**IN-PATIENT UNIT**

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<td>Hill-Rom</td>
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<td>Vital Signs Monitor with Trolley, as per</td>
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<tr>
<td>42</td>
<td>U.S.A.</td>
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<td>specifications</td>
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<tr>
<td>42</td>
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</tbody>
</table>
4  Hudson RCI  15FL  Oxygen Flow Meter with Humidifier, as per specifications
5  Amico   VR-C2UD- Suction Regulator, as per Canada  CMA  specifications

ANNEX 2 MOBILE MODULAR TRAILERS

<table>
<thead>
<tr>
<th>Item Number</th>
<th>Manufacturer</th>
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<td>ABM-MMU- ET01</td>
<td>Emergency / Triage Module</td>
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<td>ABM-MMU- RAD01</td>
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<td>Laboratory / Pathology Module</td>
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<td>ABM-MMU- Pharmacy Module</td>
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<td>ABM-MMU- Dental Care Module</td>
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<td>ABMSC</td>
<td>ABM-MMU- General Utility Module</td>
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<td>ABMSC</td>
<td>ABM-MMU- Staff Care Module</td>
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**ANNEX 2**

**MOBILE MODULAR TRAILERS**

(continued)

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<td>Multi-Purpose Tents</td>
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**ANNEX 2**

**EMERGENCY GENERATOR**

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<tr>
<td>1</td>
<td>MQ Power</td>
<td>MOP150IV</td>
<td>Generator: 150KVA Fuel: Diesel tank.</td>
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Trailer: Air cooled.
Electrical Panel for emergency power.
Variable voltage on demand.
Heavy duty radiator and cooling system.
Announiciator panel.

<table>
<thead>
<tr>
<th>Item</th>
<th>Manufacturer</th>
<th>Model</th>
<th>Description</th>
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<td>MQ Power</td>
<td>GTK</td>
<td>Generator Tool Kit</td>
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<td>Fuel tanker with truck</td>
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Annex (2-A)
Additional Equipment Required

<table>
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<th>Description</th>
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<tbody>
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<td>Qty</td>
<td>Number</td>
<td>Country</td>
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<tr>
<td>Surgical Equipment-Specialty 3</td>
<td>Storz</td>
<td>2222</td>
<td>Endoscopic tower – complete</td>
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<td>3</td>
<td>U.S.A.</td>
<td>2222-G</td>
<td>GYN tower – complete</td>
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<tr>
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<td>2222-A</td>
<td>Arthroscopy tower – complete</td>
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<td>Endoscope</td>
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<td>GYN scope</td>
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<td>Arthroscope</td>
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<td>U.S.A. OEC</td>
<td>9800C</td>
<td>“C” Arm – complete</td>
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<tr>
<td>3</td>
<td>U.S.A. Leica</td>
<td>M525-OH</td>
<td>Surgery microscope</td>
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<tr>
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<td>IS8000</td>
<td>“C” arm table</td>
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<td>Hill-Rom</td>
<td>Total Care</td>
<td>Patient bed</td>
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<td>U.S.A.</td>
<td>RT</td>
<td>Patient ICU monitor</td>
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<td>GE DASH-ICU</td>
<td>DASH-</td>
<td>Central station</td>
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<td>Telemetry</td>
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<td>Telem</td>
<td>Adult/pediatric ventilator</td>
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<td>Nubenco</td>
<td>NestoVent 7</td>
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<td>Bard</td>
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Annex (2-A)  
Additional Equipment Required  
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**Annex (2-A)**

**Additional Equipment Required**

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U.S.A. With diesel fuel – complete Special cooled engine V min 6 cylinders

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

### Additional Equipment Required (continued)

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### Additional Equipment Required
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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)

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**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 Shelve 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 cmH20 & 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 1/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 2Smmlsec 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: 120 watts at 200 Ohms

Monopolar Forced Coagulation
• Form of HF current: Pulse modulated
• Nominal frequency of HF Voltage: 1MHz
• Nominal HF output: 120 watts 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: 120 watts at 500 Ohms

Bipolar Coagulation
• Form of HF current: Sine wave
• Nominal frequency of HF Current: 350KHz
• Nominal HF output: 120 watts 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 lumen + 140,000 lumen
• 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 are 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 18/10
• 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 incubating
• 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 sterilizable.
• Suction hose: #6mm, length 1.30m and #10mm, length 2m
• 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 110V/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=200mm
- 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 tubes 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 over shoot
- Interior and exterior shall be enameled steel
- Inner glass door permit to 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, Disinfector:
• 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 45 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-refractometer, Phoroptor 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**
  o Electronically operated, Full reclining, Foldable armrest, and w/ footrest, Foot switch, up/down capability

• **DOCTOR CHAIR**
  o Swivel stool
  o 5-arm polished aluminum base with friction-braked double castors for smooth floors
  o Height adjustment by means of “anatomic-lift” gas spring
  o Leatherette upholstered seat w/ backrest

• **VISUAL PROJECTOR**
  o Auto chart projector
  o Remote control operation
  o 30 Test Charts Including "E: of different sizes
  o Projection Magnification 30X
  o With Horizontal line, Vertical Line and Single Character Masking
  o Enables to program to project specific sequence of Charts
  o With tilt function
  o With Polarized Metal Screen
  o Auto Shut-Off function
  o Illumination by Halogen Lamp
  o Power supply: 220V AC, 60Hz

**ANNEX 2—SPECIFICATIONS**

**OPHTHALMOLOGY CLINIC**

(continued)

• **PHOROPTOR UNIT**
  o 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
  o Cross cylinder: +0.5D (+ 0.25D - optional)
  o Pupillary distance: 50 - 78mm
  o Automatic near-point convergence mechanism
  o Synchronized cross cylinders
  o Rotary prism available
  o Wide selection of auxiliary lenses
  o Sealed Lens systems for dust and finger prints

• **AUTOKERATO-REFRACTOMETER UNIT**
  o Spherical power range: - 25D to + 22D
  o Cylinder power range: 0 to + 10D
  o Axis: 0 to 180 degree
  o Minimal pupil diameter: 2.00mm to measure small pupil
  o 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 180 degree
• Prismatic power 0 to 10 Prism
• Lens Diameter: 5 to 98 mm
• 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: ≥ 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
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
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
• Thermoical 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

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 all types of cassette
• Portable and built in battery power
• Adjustable exposure light intensity
• Films and Cassettes: all 5mm 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

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**ANNEX 2—SPECIFICATIONS**

**PRIMARY CARE CLINIC**

**Examination Table:**
• Rectangle steel tube frame, chromium plated
• 2 section
• 70 mm thick foam robber upholstery
• Reclining head section
• Adjustment by means of clamp lever
• With leveling feel
• 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 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 cmH20 & 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: 220 Volts, 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, Sp02, 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 cmH20 & 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 1/min

Annex (3)
Specification of a long chassis truck 6 x 4

<table>
<thead>
<tr>
<th>Item</th>
<th>Manufacturer</th>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Qty</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Number  | Country
---|---
Long 27 | Freightliner 4900
Chassis Truck | U.S.A.

**Engine:** Diesel engine (turbo charger)

**Number of cylinders:** Minimum 6

**Horsepower:** 400 minimum

**Engine cooling:** via cooler not less than 100 liters in capacity

**Gearbox:** full automatic with 16 F speeds

**Tires and rims:** minimum 6 tires plus a spare tire fitted with loading and unloading winch

**Diesel tank:** capacity minimum 400 liters

**Steering wheel:** hydraulic

3 year warranty

10 year parts availability

Annex (4)

Specification of a Forklift

<table>
<thead>
<tr>
<th>Item Number</th>
<th>Manufacturer</th>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
</table>
| Forklift 3 | Hyster | P300 | **Load:** 12 ton which it can lift up to 3 meters

**Engine:** Diesel engine with 160 HP at least

**Number of cylinders:** 6

**Fork:** Length minimum 2 meters. Can be moved right and left. Height up to 4 meters, thickness minimum 82 mm. Width minimum 180mm.

**Fuel:** Diesel
**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)**

<table>
<thead>
<tr>
<th>Item</th>
<th>Manufacturer</th>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low bed</td>
<td>Fontaine</td>
<td>Lowboy</td>
<td>Design: low bed</td>
</tr>
<tr>
<td>3</td>
<td>U.S.A.</td>
<td></td>
<td>Capacity: 60 tons</td>
</tr>
</tbody>
</table>

**Suspension system:**
1. Tri-axel, 16000 kg each
   (48000 kg for all axels)
2. Leaf spring
3. (12) Michelan 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

**Dimensions:**
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)*

<table>
<thead>
<tr>
<th>Item</th>
<th>Manufacturer</th>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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)

<table>
<thead>
<tr>
<th>Item</th>
<th>Qty Number</th>
<th>Manufacturer</th>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5.</td>
<td></td>
<td></td>
<td></td>
<td>Sixty liter potable water tank</td>
</tr>
<tr>
<td>6.</td>
<td></td>
<td></td>
<td></td>
<td>Tire replacement tools containing an additional long rod for lifting during removal/replacement. Hydraulic jack capable of lifting (1) loaded axle.</td>
</tr>
<tr>
<td>7.</td>
<td></td>
<td></td>
<td></td>
<td>Set of (6) connecting chains (6m) each including drops. Each chain must bear at least (10) tons.</td>
</tr>
<tr>
<td>8.</td>
<td></td>
<td></td>
<td></td>
<td>(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.</td>
</tr>
</tbody>
</table>
9. Air hose, minimum length (5m) fitted with a (male) fast connecto **Annex (5)**

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

<table>
<thead>
<tr>
<th>Item Number</th>
<th>Manufacturer</th>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Tire air pressure gauge containing both systems and clear numbering and ranges between 0 and 160 PSI.</td>
</tr>
</tbody>
</table>

**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)**

**Specification of a Flat Bed Trailer**

<table>
<thead>
<tr>
<th>Item Number</th>
<th>Manufacturer</th>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flat Bed 3</td>
<td>Chaparral</td>
<td>2001</td>
<td>Length: 12.5 meter</td>
</tr>
</tbody>
</table>

**Height:** Not more than 1.25 from the ground.

**Axles:** 2 axles with 4 tires each, long springs.

**Resting legs:** Front, match loads, works with two speeds, flat base.

**Flatbed width:** 3 meters

**Base:** The main cover of iron sheet granular not less than 5mm thick, longitudinally welded in full without voids.

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

<table>
<thead>
<tr>
<th>Item</th>
<th>Manufacturer</th>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Qty</td>
<td>Country</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

### Annex (6)

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

<table>
<thead>
<tr>
<th>Item</th>
<th>Manufacturer</th>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Qty</td>
<td>Country</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Airbrakes for axles.
- Electric link system with towing heads.
- Additional loading chains.
- Chassis 40 cm.
### Annex (7)

**Specification of a Refrigerator Truck**

The vehicle comprises a chassis + box + a refrigeration unit

<table>
<thead>
<tr>
<th>Item</th>
<th>Manufacturer</th>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Qty</td>
<td>Country</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number</td>
<td>Unit Price</td>
<td>Total Price</td>
<td></td>
</tr>
</tbody>
</table>

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)

<table>
<thead>
<tr>
<th>Item</th>
<th>Manufacturer</th>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Qty</td>
<td>Country</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th>+ tire air pressure gauge meter</th>
</tr>
</thead>
</table>

### The Box

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Length:</td>
<td>minimum 5 meters</td>
</tr>
<tr>
<td>Width:</td>
<td>minimum 2 meters</td>
</tr>
</tbody>
</table>
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)

<table>
<thead>
<tr>
<th>Item</th>
<th>Manufacturer</th>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Refrigerator</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Specifications</td>
<td></td>
<td></td>
<td>1. Works by vehicle engine and without it.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2. Sufficient to cool the box.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3. Of a known brand.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>4. Cooling temperature (5-20°C)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Other Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Install a rear bumper of hard iron to protect the box from shocks.</td>
</tr>
<tr>
<td>2. Install mud flaps to protect rear tire from mud.</td>
</tr>
<tr>
<td>3. Internal light (2) lamps. External front light (2) lamps, all controlled from driver’s cabin.</td>
</tr>
</tbody>
</table>
### Service Vehicle Specifications

<table>
<thead>
<tr>
<th>Item</th>
<th>Manufacturer</th>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Qty</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number</td>
<td>General Motors</td>
<td>XL1500</td>
<td>1. (8) cylinder, 4.5 liter at least, 250 HP minimum power.</td>
</tr>
<tr>
<td></td>
<td>U.S.A.</td>
<td></td>
<td>2. (4) doors.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3. Automatic gearbox.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>4. Electronic fuel injection.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>5. Aircushion for driver and front passenger.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>6. ABS brake system.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>8. Electric side mirrors.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>10. Central locks.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>11. Hot/Cold AC.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>12. Speed fixer.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>15. 3 year warranty</td>
</tr>
</tbody>
</table>

### Four-wheel drive Vehicle Specifications

<table>
<thead>
<tr>
<th>Item</th>
<th>Manufacturer</th>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Qty</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number</td>
<td>General Motors</td>
<td>XL2500</td>
<td><strong>Speeds:</strong> 5 speeds manual.</td>
</tr>
<tr>
<td></td>
<td>U.S.A.</td>
<td></td>
<td><strong>Passenger Number:</strong> 7 passengers minimum.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td><strong>Fuel:</strong> Benzene</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td><strong>Fuel tank capacity:</strong> two tanks, main and spare, total tank capacity 130 liters.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td><strong>Other specifications:</strong> 4 doors.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Hydraulic, adjustable steering wheel.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Front adjustable mattresses.</td>
</tr>
</tbody>
</table>
Hot/Cold AC.  
Radio cassette.  
Aircushion for driver and front passenger.  
Central locks.  
Electric window glass.  
3 year warranty.

**Shipping / Delivery / Set-Up**

<table>
<thead>
<tr>
<th>Item Number</th>
<th>Specifications</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Trailer / Hospital</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>Generator</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>Tanker (fuel)</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>Trucks / autos</td>
<td>1</td>
</tr>
<tr>
<td>5</td>
<td>Miscellaneous containers</td>
<td>1</td>
</tr>
<tr>
<td>6</td>
<td>Additional shipping</td>
<td>1</td>
</tr>
<tr>
<td>7</td>
<td>Crates / Shipping Materials</td>
<td>1</td>
</tr>
</tbody>
</table>