

**REHABILITATION EQUIPMENT**

**Equipment :**  
**Electric submersible darning sewage pump water cooled motor**

Code	Capacity M3/MIN	Head M	Speed R.P.M	Power KW	Volt	V
02-06-00001	0.15-0.1	0.365015-0.4	3000	1.5	220 or 380V	50 HZ
02-06-00002	1	10	3000	3.7	220 or 380V	50 HZ
02-06-00003	0.5	15	3000	3.7	220 or 380V	50 HZ
02-06-00004	1	22	3000	7.5	220 or 380V	50 HZ
02-06-00005	<b>Equipment: Package unit</b> complet witch supply cold air directly by duct to the building. cap: 20 ton inside temp : 18 C 380 v. , 3 pH , 50HZ , gas R22					
02-06-00006	<b>Equipment: Air Cooled Chiller</b> Cap : 100 Ton Ambient Temp. 60C Water out let Temp 12 C Water in let temp 6 C Compress type semi hermetic Coil materiel : Copper tubes with element fins Fan type : Propeller Evaporator : Sheila and tubs GSA use R-12 or R-22 380 V 50 HZ					
02-06-00007	<b>Equipment: Air Cooled Chiller</b> Cap : 200 Ton Ambient Temp. 60C Water out let Temp 12 C Water in let temp 6 C Compress type semi hermetic Coil materiel : Copper tubes with element fins Fan type : Propeller Evaporator : Shell and tubs GSA use R-22 or R12 380 V 50 HZ					
02-06-00008	<b>Equipment: Window type air-condition with heater</b> Cap : 2 Ton 24000 BTU GSA R-22 220 V 50 HZ , 3PH					
02-06-00009	<b>Equipment Split Unit with heater</b> Cap : 2 Ton GSA R-22 220 V 50 HZ , 24000 BTU					
<b>TIRES</b>						
02-06-00010	600x14	High Quality				
02-06-00011	650x14	High Quality				
02-06-00012	700x15	High Quality				
02-06-00013	750x16	High Quality				
02-06-00014	205x16	High Quality				
02-06-00015	650x16	High Quality				
02-06-00016	1200x20	High Quality				
02-06-00017	1100x20	High Quality				
02-06-00018	1200x24	High Quality				
02-06-00019	1000x20	High Quality				
<b>Acid batteries</b>						
02-06-00020	45Amp x12V	High Quality				
02-06-00021	60x12	High Quality				
02-06-00022	75x12	High Quality				
02-06-00023	90x12	High Quality				
02-06-00024	110x12	High Quality				
02-06-00025	130x12	High Quality				
02-06-00026	180x12	High Quality				
02-06-00027	<b>Equipment : Blood bank refrigerator</b> 1- internal temp. ranging from +2 C to +8 C at the following ambient conditions : Summer : DBT 50 C WBT25C Winter : DBT 1 C WBT _3 C					

	<p>2- Double compressor units for additional safety work with ferine R 12 or R 22</p> <p>3-inside and outside materil: stinless steel</p> <p>4-audible/ visual and extenai alarms with battery</p> <p>Low alarm: 0 C</p> <p>High alarm: + 10C</p> <p>5 – Automatic defrosting</p> <p>6- 7Day recorder</p> <p>7- 220V, 50HZ, 3PH</p> <p>Training for 2 engineer two weeks</p> <p>Spare parts for 5 years</p>	
02-06-00028	<p><b>Equipment : air compressor</b></p> <p>Air compressor complete (compressor + motor) with out tank will be suitable to be initialed in the tank of the old model with this information .</p> <p>Air compressor :</p> <p>Type LE7 ATLAS COPCO</p> <p>S.N : AML 107283</p> <p>Max working pre bar (2)(10)</p> <p>Max speed R.P.M 1800 , made in sweeden 1983</p> <p>Motor:</p> <p>Type LS 112MI</p> <p>No: 618627, 4KW, 1430 R.P.M</p> <p>(220 V , 15.2A / 380 V,8.8A) , 50 HZ</p> <p>training for engineers</p> <p>spar part for 3 year</p> <p>complete catalog for maintenance operation and installation</p>	
02-06-00029	<p><b>Equipment:- cooling tower</b></p> <p>Capacity :150 ton</p> <p>200 ton</p> <p>100 ton</p> <p>50 ton</p> <p>Water temp. 38/ 30 C'</p> <p>Complete cooling tower must be separate motor for each blower and will work in high</p> <p>Humidity wetter 60 % Humidity and total hardness is for water 500ppm</p> <p>Recommended spare for 5 years.</p> <p>Include complete motor</p> <p>Fin , belt,shaft, spray nozzle , bearing , blower ,</p> <p>Nozzle , motor complete, ball float valve</p> <p>Training for engineer and tech.</p> <p>Complete catalog for spare part and operation maintenance catalog</p>	
02-06-00030	<p><b>Equipment: Corps refrigerator</b></p> <p>Walk in freezers to preserve corpses at internal temperature ranging from (+5 deg.) to (-30 deg.)At the following ambient conditions: summer: DBT 50 Deg.</p> <p>WBT 25 deg.C</p> <p>Winter: DBT 1 deg.C</p> <p>WBT -3 deg.C</p> <p>Internal volume of the store: 3x4x3 M3</p> <p>Required quantity: freezing stores</p> <p>A) Construction :</p> <p>1- Freezers shall be shipped in knock- down sections easy to re- erect</p> <p>2- Cabinet interior shall be made of heavy corrosion proof aluminum, floor made of heavy gauge anti- slip aluminum</p> <p>3- Cabinet exterior shall be made of aluminum, coated with a white weather proof coating to make it suitable for out- door installation</p> <p>4- Insulation shall be sufficient to maintain the specified internal temperature in the specified ambient conditions but shall be not less than 12 cm of polyurethane</p>	

5- Door shall be constructed of aluminum and shall have an external lock with keys. Door handle can be operated from inside and outside. Low voltage heater wire strip with electrical control shall be provided. A push-button shall be fitted inside to sound an alarm in case of a person is trapped inside

6- Light- weight shade to protect the cabinet from rain and sun to be fitted on top of it .shape , size and material of shade shall be suggested by the tenderer

7- External dial thermometer must be provided

8- Audio and visual alarm for high temperature must be fitted

9- Sufficient internal lighting automatically switches on when door opens

10- Air curtain by the door operates automatically when door opens

11- The stores shall be equipped with hangers that supports six removable trays which carry the human corpses, these trays shall be positioned on both sides of the stores three at each side . the under must tray shall be positioned within 15 cm from the floor with 75cm distance between the trays the tray dimension shall be 2m length, 75cm width  
B) REFRIGERATION SYSTEM

Two independent refrigeration systems shall be installed, each being capable to maintain the required internal temperature at the specified ambient conditions

An automatic alternator clock timer shall be furnished to automatically reverse the sequence of operation of the two systems to assure even wear. And if one system be unable for any reason to maintain the required temperature the second system shall automatically cut-in. Visual indication of the operation and faults of the system shall be shown on the control panel. Capacity and type of compressors used shall be mentioned in the offer. Ferine R12 or R502 used.

The entire system shall utilize heavy-duty refrigeration copper tubing, no aluminum or steel tubing to be used. Evaporator fins shall be anticorrosion type. Automatic electrical defrosts with pipes for drain water must be provided.

C). ELECTRICAL SYSTEM

System shall operate from single - phase, 220V, 50 HZ supply or from three- phase, 4 wire, 380V.

D). SPARE PARTS

An itemized and priced spare parts list sufficient for five years repair and maintenance of the equipment shall be submitted with the offer. The price shall be C & F Baghdad and the spares shall be shipped with the cold stores. Among other things, the list shall include the following items:

No. Description

- 1- compressor
- 2- Evaporator motor fan
- 3- Blades for evaporator
- 4- condenser motor fan
- 5- Blades for condenser fan
- 6- Thermometer
- 7- Thermostat & alarm thermostat
- 8- High-low pressure cut out
- 9- Oil pressure cut out
- 10- Door gasket with heater
- 11- Contactor for compressor
- 12- Relays & electrical switches & klaxon
- 13- Defrost heaters
- 14- Automatic electric defrost
- 15- Automatic alternator for reverse sequence
- 16- Internal light bulb
- 17- over load
- 18- Expansion valve
- 19- filter drier
- 20- Fuses of different writings
- 21- solenoid valve

	<p>22- alarm horn  23- micro switch &amp; spare for air curtain  24- operating switches  E). TESTING AND GUARANTEE</p> <p>Tendered shall guarantee and maintain the freezers for a period of two years starting from the date of putting them in operation. All equipment shall be tested and outstanding technical problems shall be discussed &amp; settled in the firm prior to the shipment of the equipment &amp; in the presence of our engineer, tendered shall pay for the return air tickets of our engineer &amp; bear all costs of his stay with the firm including full board &amp; lodging for a period of two weeks</p> <p>F). TRAINING</p> <p>Tendered shall train two persons on the repair &amp; maintenance of the equipment, each person for a period of one month in his firm tendered shall bear all costs including return air tickets full board &amp; lodging and any other expenses.</p> <p>G). INSTALLATION</p> <p>Tendered shall make complete installation of all freezers except civil works such as base. Tendered shall supply all materials necessary for the complete installation. Any offer not including complete installation will be rejected.</p> <p><b>**NOTE**</b></p> <p>Load calculations &amp; photos of freezing stores shall be sent with the offer</p>	
02-06-00031	<p><b>Equipment : TRANSFORMER</b>  220 V - 97 V</p>	
02-06-00032	<p><b>Equipment : Vegetable and fruit cold stor</b>  Cold store for the purpose</p> <p>Noise walk in cold stores temperature ranging from (-5 c) to (+15 c) at the following ambient conditions :</p> <p>summer : DBT 50 C  WBT 25 C</p> <p>winter : DBT 1C  WBT -3 C</p> <p>Internal volume : not less than 50 cubic meters</p> <p>A) construction :</p> <ol style="list-style-type: none"> <li>1- cold stores shall be shipped in knock – down sections to re-erect</li> <li>2- cabinet interior shall be made of heavy corrosion proof aluminum, floor made of heavy gauge anti – slip aluminum</li> <li>3- cabinet exterior shall be made of aluminum , coated with a white weather proof coating to make it suitable for out-door installation</li> <li>4- Insulation shall be sufficient to maintain the specified internal temperature in the specified ambient condition but shall be not less than 10 cm of polyurethane</li> <li>5- Door shall be constructed of aluminum &amp; shall have an external lock with keys. Door handle can be operated from inside &amp; outside. Low voltage heater wire strip with electrical control shall be provided. A push-button shall be fitted inside to sound an alarm in case of person is trapped</li> <li>6- light- weight shade to protect the cabinet from rain &amp; sun to be fitted on top of it. Shape size &amp; material of shade shall be suggested by the tendered</li> <li>7- external dial thermometer must be provided</li> <li>8- Audio &amp; visual alarm for high temperature must be fitted</li> <li>9- Sufficient internal lighting automatically switches on when door opens</li> <li>10- air curtain by the door operates automatically when door opens</li> <li>11- Shelves shall be made of strong galvanized steel positioned on all sides shelves shall be grid type.</li> </ol> <p>B) .REFRIGERATION SYSTEM</p>	

Two independent refrigeration system shall be installed each being capable to maintain the required internal temp. at the specified ambient conditions an automatic alternator clock timer shall be furnished to automatically reverse the sequence of operation of the two systems to assure even wear , and if one system be unable for any reason to maintain the required temp. the second system shall automatically cut- in . Visual indication of the operation & faults of the system shall be shown on the control panel. Capacity & type of compressor used shall be mentioned in the offer . the entire system shall utilize heavy duty refrigeration copper tubing , no alumininum or steel tubing to be used . evaporator fins shall be anticorrosion type . automatic electrical defrost with pipes for drain water must provided .use R12 or R502

C) Electrical system

System shall operate from single – phase , 220V, 50 HZ, supply or from 3 pH , 4 wire , 380 V

D) Spar parts

An itemized and priced spar parts list sufficient for fife years repair & maintenance of the equipment shall be submitted with the offer . the price shall be C&F Baghdad and the spares shall be shipped with the cold stores . among other things , the list shall including the following items.

No. Description

- 1- compressor
- 2- Evaporator motor fan
- 3- Blades for evaporator fan
- 4- condenser motor fan
- 5- Blades for condenser fan
- 6- Thermometer
- 7- Thermostat & alarm thermostat
- 8- High-low pressure cut out
- 9- Oil pressure cut out
- 10- Door gasket with heater
- 11- Contactor for compressor
- 12- Relays & electrical switches & klaxon
- 13- Defrost heaters
- 14- Over load
- 15- expansion valve
- 16- filter drier
- 17- fuses
- 18- solenoid valve
- 19- alarm horn
- 20- micro switch & spare for air curtain
- 21- operating switches
- 22- alarm horn
- 23- micro switch & spare for air curtain
- 24- operating switches

E) TESTING & GURANTEE

tender shall guarantee the cold stores for a period of tow years starting from the date of putting them in operation . all equipment shall be tested & out standing technical problems shall be discussed & settled in the firm prior to the shipment of the equipment & in the presence of our engineer , tender shall pay for the return air tickets of our engineer & bear all costs of his stay of two weeks. All spare parts that will be used by the tendered during these two years shall be on the account of the tendered.

F) Training :-

Tendered shall train two person on the repair and maintenance of the equipment for a period of one month in this firm. Tendered shall bear all costs in clouding air tickets.

G) Installation

Tendered shall make complete installation of all cold stores except civil works such as concrete installation shall be supplied by tendered. Any offer not including complete installation will be rejected>

Notes:-

	<p>3- Medicines shall be brought in stores at around 38OC.  2-Quantity of store medicines is not less than 1500 Kg.  3-Load calculations shall be sent with the offer.</p>	
<b>02-06-00033</b>	<p><b>Equipment : computer</b>  Processor: pentium II 450 MHZ MMX compliant with year 2000 512 Kb cache  Mother board: BX(AGP,PCI,ISA)ATX  RAM: 128 MB  Hard disk : at least 6.2 Gb  CD-ROM :40X EIDE  Sound card : PCI 32 BIT (software wave table)AW5-128  SPEAKERS:180W  Floppy disk : 3.5 " HD 1.44 Mb  Display adapter : AGP 8 Mb  Monitor : 15" savg 1024 X 768 , 0.28 DPI  Net work card : 10/100 Mb /S ethernet  Fax modem card : 56 (V. 90) fax /modem  Case : mini tower (ATX 250 w)  Key board : A/E 104 KEYS (PS/2 CONN)  Mouse : 2 buttons ( PS/2 CONN.)  Zip drive : iomega internal 100Mb with 100 box containing 100 Mb diskettes  CD-RW: CD- writer 2X2X6X with 100 box containing blank CDs  Super disk: internal 120 MB imation atapi IDE inter face with(100)boxes of diskettes  UPS :400VA/250W  Printers :  - DOT matrix : EPSON LQ 2170 arabic  - LaserJet : HP- 6L  - Inkjet (cooler) : HP-DESKJET 1120C</p>	
<b>02-06-00034</b>	<p><b>Equipment : Softeners</b>  Fully automatic softener and meter control  - Control panel ,Brine tank, with its interconnecting pipe system and all its additional accessories suitable for continuos soft water supply as following:  - Max floweret :- 10 m3/h  - Resin:- strong cationic resin sodium base  - Power supply :- 220V or 380V 50 HZ  - Hardness treated water 0oFTH  - Presume drop :- 8 MWG  - Operating pressure :- 2 to 6 bar  - Recommended spare part for 5 year with complete quantity of exchange resin.  supply complete catalog and drawing electric mechanical spare part and moutenance operation catalog.  - Training for 2 Engineers +2 Technician</p>	
<b>02-06-00035</b>	<p><b>Equipment : Softeners</b>  Fully automatic softener and meter control  - Control panel ,Brine tank, with its interconnecting pipe system and all its additional accessories suitable for continuos soft water supply as following:  - Max flowe :-5M3/h  - Resin:- strong cationic resin sodium base  - Power supply :- 220V or 380V 50 HZ  - Hardness treated water 0oFTH  - Presume drop :- 8 MWG  - Operating pressure :- 2 to 6 bar  - Recommended spare part for 5 year with complete quantity of exchange resin.  - Recommended spare part for 5 year with complete quantity of exchange resin.  supply complete catalog and drawing electric mechanical spare part and moutenance operation catalog.  - Training for 2 Engineers +2 Technician</p>	
<b>02-06-00036</b>	<p><b>Equipment : hospital lift complete</b>  QTY As below  Site:-saddam Medical city general hospital</p>	

	<p>1- hospital standard 24- Passengers Plain bed, side open door 21 floor Stainless steal doors with all parts need to replace existed lifts (erection and operating) for medical city</p> <p>2- As above but bed lift 4-Floor for Saddam General Hospital</p> <p>3- As above but 6- Passengers 4- Floor for Saddam General Hospital</p> <p>4- As above but 6- Passengers 7- Floor center open for Central Child Hospital</p> <p>5- As above but bed lift 7- Floor for Central Child Hospital</p> <p>6- Cargo lift 2 floors load 4000Kg side opening dons for Basra drug stores</p> <p>7- As above but 1400 Kg 7-Floor for Saddam Teaching Hospital in Basra</p> <p>8- As above bedlift but 1800 Kg 2- Floor for Tahreer Hospital and Basrah Funeral Hospital.</p>	
02-06-00037	<p><b>Fork Lift (2Ton)</b></p> <p>1.DIESEL ENGIN 4 CYLINDER WATER COOLED</p> <p>2.BATTERY 12V</p> <p>3.NORMAL HYDROLIC GEAR</p> <p>4.MAX HIGHT 3.5M</p>	
02-06-00038	<p><b>Absorption chiller</b></p> <p>550 TON</p>	
02-06-00039	<p><b>High tension switch gear</b></p> <p>1-aircircuit breaker 1600A AH-16B</p> <p>2-aircircuit breaker 1600A AH-30C</p> <p>3-batery 100V QSC-SOE</p> <p>4-batery 24V AMH--SOE</p> <p>5-printed circuit breaker AED-6A</p> <p>6-printed circuit breaker D2-100</p> <p>7-high VGE oil labricant 11KV</p>	
02-06-00040	<p><b>Paging system</b></p> <p>1-Complot paging system compressing control station and 5 W transmitter maximum rang less than 1000 m and 100 radio receiver</p> <p>2-the system should be either independent or interfacing with any type of exchange</p> <p>3-installation on site for 6-system and training technicians of other sites during installation to install the other system</p> <p>4-training on factory for 5 engineers for 2 weeks</p> <p>5-complot sets of manuals installation and manta enamel</p> <p>6-spare parts for 2 years</p> <p>7- greenery for one year and one maintenance</p>	
02-06-00041	<p><b>Equipment: Freezers</b></p> <p>Volume : 16 ft3</p> <p>Temperature: from 00C to -300C.</p> <p>220V ,50HZ, 1PH</p> <p>compressor : Tecumseh or Danffos</p> <p>frion use : R12 or R22</p> <p>Dial thermometer outside</p> <p>the door have lock</p> <p>Inside wall for freezer Aluminum plate.</p> <p>Freezer has alarm system when temp. low or high</p>	
02-06-00042	<p><b>Equipment: Vaccines and medicines refrigerator</b></p> <p>Volume : 16 ft3</p> <p>Temperature: from 00C to 300C.</p> <p>220V ,50HZ, 1PH</p> <p>compressor : Techumsuh or Danffos</p> <p>frion use : R12 or R22</p> <p>Dial thermometer outside</p> <p>the door have lock</p> <p>Freezer has alarm system when temp. low or high</p>	
02-06-00043	<p><b>Equipment: kitchen equipment</b></p> <p>Site:saddam medical city</p> <p><b>Mobile sink</b> capacity 220 liter dimension 800X600X500mm total high 650 mm</p> <p><b>Mobile sink</b> capacity 220 liter dimension 800X600X500mm total high 650 mm</p>	
02-06-00044		
02-06-00045	<p><b>Equipment: Steam Boiler for heating (5 ton/hr)</b></p> <p>A) Steam Boilers</p>	

1. The sub-contractor shall provide install, test, and commission one no. packaged steam boiler and associated equipment.

2. The boiler shall be rated capacity of 5000 kg/h with a working pressure of 8-10 bar. Test pressure must be rated 1.5 times working pressure.

3. The packaged boiler shall be manufactured in accordance with either the relevant TRD/DIN (German code) or British standards.

4. The packaged boiler shall be supplied with matched ,forced draught pressure jet burner of high/low flame 2-stage operation, suitable for burning dual fuel 35 second redwood no. 1 at 38 c ,light fuel oil and groping butane and heavy oil .

5. The Boiler burner shall be fully automatic in operation complete with all necessary controls for oil and air supply, flame failure ,ignition ,pre and post purge periods etc. all pre wired to the sensors and boiler control/indication panel.

6. The boiler shall be high efficiency 3-parse Ir. reversed flow type with pressurized combustion chamber.

7. Boiler shall be fully pressure tested at the factory and 1 copy of the manufacturers test certificates (approved by neutral test instate) shall be provided.

8. Flue connection shall be at the rear of the boiler.

9. The packaged boiler shall have duty and stand by feed water pumps with associated automatic controls. pumps shall be of the multistage-centrifugal type.

10. The packaged boiler shall have the following mounting:

1. main steam valve

2. 2-high lift state valve, 5000 kg blowing – off pressure 10 bar

3. pressure gauge.

4. 2-water level gauge.

5. feed water pressure gauge.

6. Burner control sensors.

7. water level /feed pumps controls.

8. pressure control

9. Blow down valve suitable for timed automatic operation in conduction with timer unit.

10. 2-boiler feeding pumps with electric motor designed specified boiler capacity at 10 bar.

11. The boiler shall have its own control/indication panel completely premiered with all necessary functions for a central and automatic supervision and control of the boiler unit . The panel shall incorporate all required facilities for correct monitoring and control. All necessary control lamps ,contractors, switches, fuses, lock-out lamps etc. shall be incorporated together with “hours run” meter .

#### B- BOILER FLUE GAS DUCTING

1. The sub-Contractor shall supply, install and commission flue gas ducting (chimney) terminating in a suitable clown above roof level. Height (above floor level) 5m.

2. The “nominally” horizontal flue gas ducting shall be infect be in stalled “to fall ”,rising slightly ,towards the main vertical chimneys.

3. cleaning access doors shall be provided at the ends of horizontal ducting together with combined pressure release/cleaning door at the base of vertical flue.

4. A condenser drain valve shall be provided from the base of vertical flue ,located at low level, complete with hose connection.

#### C. BOILER FEED WATER + CONDENSATE TANK INCLUDE. CHEM. DOSING

1. The sub-contractor shall supply ,in stall ,test ,and commission a feed water tank at high level in the plant room supplied as a complete package.



2. The tank shall be constructed of sheet steel with welded joints and will be supplied complete with all necessary channel iron wall and floor supports thickness 5mm.

3. The tank shall have a minimum capacity of 3000 liter's, complete with following features and fittings etc:

1. 500mm bolted access manhole
2. Glass water level gauge.
3. water level control electrodes and associated solenoid valve for make-up water.
4. Sprague pipes for condense return below water level.
5. spray pipes for direct steam injection below water level for preheating feed water at boiler start-up, complete with thermostatically control valve.
6. vent pipe.
7. all necessary connection.

8. 50 mm thick rigid foil backed fibber glass insulation of 64 kg/m<sup>3</sup> density finished in 24 swag aluminum sheeting.

4. The tank shall also have provision for being chemically dosed by Adonis set.

5. The dosing set shall consist of plastic mixing drum with an adjustable rate dosing pump suitable for dosing oxygen scavengers, as recommended by the boiler manufacture or other equal and approved by the boiler manufacture or equal approved.

6. The chemical dosing pump set shall be supplied by the boiler manufacture or equal approved.

#### D. BOILER BLOW DOWN TANK

1. The sub-contractor shall supply ,install, test and commission a boiler blow down tank.

2. The tank shall have a capacity of Hrs supplied as a complete.

3. The tank shall be welded steel construction complete with mounting legs.

4. The tank shall be fitted with an automatic condense aftercare complete with non. return valve ,thermostat and solenoid valve strainer, and globe valve all mounted on the untreated cold water supply to the unit.

5. The after cooler and accessories shall also be supplied by the tank manufacturer.

6. The blow down tank shall be complete with pipe.

#### E. BOILER BLOWDOWN SYSTEM

1. The boiler shall have its own automatic system to provide for periodic blow down .

2. This shall consist of an electrical activated blow down valve which shall operate under the dictates of timer unit to provide a time controlled cycle as necessary.

3. The timer/control unit shall provide blow down for Emmanuelle adjustable pre-set period at desired intervals which will, again be variable.

4. The boiler blow down system shall be as manufacture boiler manufacturer or equal and approved, and shall be supplied as package for the boiler.

#### F. WATER SOFTENER PLANT

1. The water softener shall be of the duel type in order to provide feed water for 24 hours/day continuously (No death-time due to regeneration).

2. The water softener must be supplied complete with :

- booster pump(inlet pressure 0.5 bar).
- salt tank(brine tank)
- 2water softener colors complete with control solenoid valves
- filter(strainer)
- contact water meter compel. with water softener control unit
- all armatures

3. The water softener must have capacity at 80-100 litter/h

4. water treatment

water specification:

-total water hardness caco<sub>3</sub> 150 400

-calcium	ca	40	120
-chloride	c1	10	70
-sulfate	so4	40	120
-pH-valve		6.8	7.6
-Fe		0	0.24
-total alkalinity	caco3	110	160

G. Heat exchanger (horizontal type)

with U-copper tubes (extensible) complete with thermal insulation:

- capacity: 450.000 kcal/h
- primary : saturated steam 8 bar
- secondary: water 15-60 c0
- complete with asset of drawings.

H. Heat exchanger (horizontal type)

with U-copper tubes (extensible) complete with insulation:

- capacity : 1.100.000 kcal/h
- primary : saturated steam 8 bar
- secondary water 15-90 c0

complete with a set of drawings.

I. spare parts for 5 years with complete set of fire tube

J. Fuel storage tanks

- content 10.000 Lt.
- wall thickness 5 mm

with tar-coating including supports for air mounting

connections and controls to storage tank:

- 1 filling 1 1/2" incl.
- 1 draining 1 1/2" include
- 1 air vent 2" with air
- 1 supply and return
- 1 drain valve 1 1/2" include connection
- 1 supply valve
- 1 manhole 400
- 1 pneumatic fuel gauge
- 1 measuring rod

K. control to fuel supply system (burner accessories) 1 Electro valve ,ventilation system consisting of:

stop cock, oil filter, Electro valve ,air vent flange and for other type of fuel and maintenance

L. operation manual and diagram complete in English with all drawing electronically and mechanical

M. Training

3 engineer and 3 technician for one month at factory

02-06-00046

**EQUIPMENT : STEAM BOILER FOR WASHING (0.6 TON/Hr)**

Nos. Fuiiy Automatic Multi-Pass Steam boilers with leotrical and mechanical control ,pumps ,safeties with Auxiliaries According to the international standards and regulations for steam boiler under the following specifications :

- A. Out put capacity 600kg/Hr
  - B. Working pressure (6-8) bar
  - C. Oil burner type I 3 VZ monarch and gas (butane ,propane ) and heavy oil
- The following item must be included
1. Automatic blow down .contorted by timer
  2. Feed/Condense water tank capacity of one meter cube with mechanical float ,water level indicator ,valves. etc,
  3. Daily oil tank sand plastid with inner and outer anticorrosion painting ,capacity of lion liters complete with level indicator filling holes and suitable base
  4. Oil filter with valve ,strainer, hose of 1/2 outlet diameter and accessories for other type of fuel
  5. Suitable chimney 5 meter vertical height

6. Itemized and separately priced spare parts list sufficient for 5 years and maintenance including 2 sets internal pipes for each boiler

7. Suitable automatic water softener plants working on(0.5 bar) domestic water pressure to supply water 8 with zero degree hardness complete with all flexible pipes , electrical equipment's and fittings required and washable sand and clay filter.

	<p>8. Test certificate for each boiler sublimed by a reputable specialized firm  electricity : 4 lines , 3 phase 380/220 voles , 50 HZ  water supply : 0.5 bar domestic water pressure  Analysis:  -Total hardness as CAE 0.3      400mg /l  -Calcium as ca                      120mg/l  -Chloride as CL                      70MG/L  -SULFATE AS SO 4                120MG/L  -pH                                        7.6  -Iron as Fe                            0.24 mg/l  -Total alkalinity as cacao 3      160mg/l</p> <p>9. Rcco mounded spare part list for 5 years with complete set fine tube  10. Supply all electrical and mechanical drawing and maintenance catalog and spare part catalog complete  11. Training for 3 engineers and 3 technician</p>	
02-06-00047	<p><b>EQUIPMENT : HOT WATER BOILER (1 TON/Hr)</b>  rating : 760 000 kcal/hr (879 kw)  working press : 8 bar  design : 3 pass wet back fier tube  burner : dual fuel , LPG and light gasoil  standerd : B.S 2790 and equivalent  quality : 150 9001  full automatic equippede with all necessary controls saftys fittings , valves with  1) 10000 lt fuel tank  2) 5 meters steel chimeny  3) 5- years recommended spare parts  4) 1- year warranty  5) supervision on installation  6) training of MOH engineers in factory</p>	
02-06-00048	<b>TYRE</b> 600X 14	
02-06-00049	700X 15	
02-06-00050	750X 16	
02-06-00051	1200X 20	
02-06-00052	1200X 24	
02-06-00053	3007436/007	
02-06-00054	3007436/004	
02-06-00055	2003087/001	
02-06-00056	2003087/002	
02-06-00057	<b>BATTERY</b> 60 AMP	
02-06-00058	90 AMP	
02-06-00059	135 AMP	
02-06-00060	540 AMP	
02-06-00061	530 AMP	
02-06-00062	30	
02-06-00063	200	
	<p>complete box battery Type:- 24 DRH 7  serial no. :- A9050158 F.O  capacity:- 511 A/AT 5 hour rate  volt:- 48  size:- 52x53x80 cm  each box have 12 battery  each battery size 50x14x11 cm</p>	
02-06-00064	<p><b>Equipment: kitchen equipment</b>  Site: saddam medical city</p> <p><b>Steam heated boiling pan</b> adjustable boil dimension approx. 1X1x1 m  capacity 200liter materials inner lining of acid poof s/s accessories mixer  unit for hot and cold water strainers and removable baskets</p>	
02-06-00065	<p><b>Equipment : KIMADIA COMPUTER SYSTEM</b>  THIS SYSTEM IS DESIGNED AS THE FIRST STAGE SOLUTION  FOR  COMPUTERISING THE STOCK MOVEMENTS OF MEDICAL ITEMS IN  THE</p>	

MINISTRY OF HEALTH WAREHOUSES.THIS INCLUDES ALSO ALL THE RELATED ACTIVITIES PRIOR TO IT,SUCH AS TENDERS, CONTRACTS, ETC, AND

OTHER ACTIVITIES RESULTING FROM STOCK ,SUCH AS QUOTA SYSTEM, ACCOUNTING, AND FOLLOW UP OF ITS DISTRIBUTION (FROM THE SUPPLIERS DOWN TO ITS DISTRIBUTION TO THE FINAL OUTLET). THE SYSTEM CHOSEN IS NOT BY ALL MEANS THE LATEST STATE OF THE ART TECHNOLOGY,BUT ITS A SYSTEM ACCEPTABLE TO UN, SUITABLE FOR ESTABLISHING THE STRUCTURE OF MORE, ADVANCED SYSTEM AS CHEAPLY AS POSSIBLE ,AND SIMPLE ENOUGH TO BE TRANSFERRED AT LATER STAGES TO MORE ADVANCED COMPUTER SYSTEM,BECUASE IT WILL BE DESIGNED TO BE PORTABLE, THE SYSTEM CONSISTS OF COMPUTER NODES IN EACH OF THE 13 WAREHOUSES AND EACH NODE WILL HAVE LOCAL PROCESSING CAPABILITIES TO RECEIVE ,STORE,DISPACH MEDICAL SUPPLIES IN ACCORDANCE WITH THE PROCEDURE LAIED DOWN BY- MOU. ALL NODES WILL BE CONNECTED IN THE SECOND STAGE. WITH THE KAMADIA COMPUTER CENTRE IN ' THE MINISTRY OF HEALTH'

THE FOLLOWING HARDWARES AND SOFTWARES ARE REQUIRED

A- NETSERVER QUANTITY -14 UNITS  
 SPECS AS FOLLOWS

- 1-UPTO 16 GB INTERNAL STORAGE
- 2-SIX EXPANSION SLOTS-TWO PCI,TWO PCI/ISA,TWO ISA
- 3-RAM UP TO 198MB AND TWO UNITS WITH RAM 384MB
- 4-BUILT IN ASR
- 5- CD-ROM
- 6-PRE CONFIGURED NETWORK CARD
- 7-NOT LESS THAN 200 MHz PROCESSOR

8-TAPE BACKUPSYSTEM NOT LESS THEN 8 GBNATIVE STORAGE  
 9-EXTERNAL STORGE CABINET WITH 4.3 GB DRIVE  
 10- ORGAE DATA BASE LICEINCE FOR 16 USER ON EACH SERVER  
 11-UNIX OPERATING SYSTEM

ANY SYSTEM WITH ABOVE SPECS WILL BE ACCEPTABLE. THE MACHINES MUST BE FROM BRAND SUPPLIERS

B-PC QUANTITY 130 UNITS  
 WITH THE FOLLOWING SPECS.  
 200 MHz PROCESSOR  
 16 MB RAM  
 1.6GB INTERNAL STORAGE

C- TERMINALS QUANTITY 130 TERMINALS  
 COMPATIBLE WITH THE MINI SERVER -ARABISED

D- PRINTERS QUANTITY 50 UNITS

E- LASER JET PRINTERS QUANTITY 50 UNITS

**02-06-00066** **Special Equipment for directorate of protection & improvement environment**  
 Equipment:-Note book computer-  
 -12.1 Active matrix display  
 - 200 MMX Intel Pentium processor  
 -512 Pipelined burst cache  
 - 32 MB EDO RAM

	<ul style="list-style-type: none"> <li>-2GB HDD (8ms)</li> <li>-16X CD-ROM (removable)</li> <li>- 1.44 3.5" Floppy disk drive</li> <li>- 4 MB EDO PCI Graphics</li> <li>- Zoomed video port ,video in jack</li> <li>Infrared interface support</li> <li>Arabic/ English key board</li> <li>- 16 Bit built in sound W/Speakers</li> <li>Integrated personal touched</li> <li>- Two type II/ One type III PCMCIA slot</li> <li>- Rechargeable batteries (+2 Extra batteries)/ AC Adapter (220 V AC )/charger</li> <li>Mobile care adapter</li> <li>- Arabic windows 95 + MS plus! + MS office Professional with book shelf for windows 95, including original CD 'S &amp; manuals</li> <li>Deluxe carrying case</li> <li>- Hp Laser jet 6P printer with 10MB Memory + 10 extra toners</li> <li>Multimedia projector with the following minimum specifications</li> <li>- 800 x600 SVGA</li> <li>Power zoom focus</li> <li>- 500 ANSI Lumens</li> <li>video capable</li> <li>Wireless PC mouse</li> <li>recommended spare parts including Extra bulb</li> <li>PUS, APC back -UPS pro 1250</li> </ul>	
	Video camera with all accessories (VHS)	
	Television	
	Video with all accessories	
	Trans code	
	Recorder with all accessories	
	Photo camera	
	Over head projector	
	Slide projector with accessories	
<b>02-06-00067</b>	<b>MANUAL HYDROLIC JACK</b> TYPE TROLLY JACK CAPACITY : 1TON 0.250TON	
<b>02-06-00068</b>	<b>MANUAL MECHANICAL JACK (0.250TON)WITH SPARE PARTS FOR TWO YEARS</b> TYPE TROLLY JACK CAPACITY : 1TON 0.250TON	
<b>02-06-00069</b>	<b>Passengers intercity staff bus 20 to 30 passengers</b> ,automatic doors ,diesel engine,air conditioned,apholestered chairs stainless steele fram,sliding glass windows with curtains,rubber mat floor, tinted windshield , stereo radio-recorder,ceiling hanging grips,	
	<b>Equipment: kitchen equipment</b> Site:saddam medical city	
<b>02-06-00070</b>	<b>Electric boiling pan</b> , 3PH, 380 V, 50 HZ, and 20 KW, dimension: approx. 1X1X1 m , capacity : 100liter , material inner lining of acid proof S/S, outer casing and lid of S/S with foundation frame	
<b>02-06-00071</b>	<b>Electric boiling pan</b> , 3PH, 380 V, 50 HZ, 30 KW, dimension approx. 1.25X1X1 m , capacity : 200liter , material inner lining of acid proof S/S, outer casing and lid of S/S with foundation frame	
<b>02-06-00072</b>	<b>Deep fat fryer</b> – floor model , 3 phase , 380 V ,11.2 KW , dimension : 600X600X900 mm, capacity :oil volume ,2X15 liter, material : top surface , well heating elements and sides of S/S , with 2 baskets	
<b>02-06-00073</b>	<b>Deep fat fryer</b> – floor model , 3 phase , 380 V ,11.2 KW , dimension : 600X600X900 mm, capacity :oil volume ,2X15 liter, material : top surface , well heating elements and sides of S/S , with 2 baskets	
<b>02-06-00074</b>	<b>Potato peeler</b> mounted on astounds, 3 pH, .5 KW dimensions approx. 500X750X 1000mm capacity approx. 28 l Bs /load materials stand of cast iron cylinder of aluminum	

02-06-00075	<b>Meat bond saw</b> , 3 pH , 1.5 HP dimension approx. 520 X600X1500mm capacity work table 520X 660mm table travel 300mm ,blade speed 22m/sec s/s table	
02-06-00076	<b>Vegetable mill</b> , 3 pH 0.75 KW or 1 pH equivalent dimensions approx. 750X300X500mm capacity 5-10 kg /min material machine casing polyurethane and acetyl with all accessories	
02-06-00077	<b>Food cutter</b> 3pH 380 V 50HZ dimensions approx. 750 X600X500mm capacity volume of bowl 11liter speed of bowel 16/33 rpm speed of knife 1400 /2800 rpm material bond of s/s cover and stand of elect of aluminum with all accessories knives s/s spanners	
02-06-00078	<b>Heavy duty meat miner</b> 380 V 50HZ 1.5 KW capacity approx. kg/hour 300, diameter of rotating knives 82 mm dimension approx. 400X470X 500	
02-06-00079	<b>Universal kitchen machine</b> 1 pH dimension space required 370X270X500mm material casing of light alloy accessories mixing attachment 20 liter bowel capacity meat miner with 3, 4 ½ , 13mm cutting plates and one four bled knife mashing machine	
02-06-00080	<b>Steam heated boiling pan</b> adjustable boil dimension approx. 1X1x1 m capacity 200liter materials inner lining of acid poof s/s accessories mixer unit for hot and cold water strainers and removable baskets	
02-06-00081	<b>Equipment : Absorption chiller</b> Site/saddam Medical city capacity : 1000 RT Replacement to 16 JE carrier - Eva & Abuse : copper tubes 22 BWG X 1/4" O.D Eva. tubes have 19FPI Abuse. tubes are prime surface - Evaporator : model 16 JE 707 in - out temp. (C O) : -12.5 - 7 flow ( L/S) :- 149 tube velocity (M/S) :- 1.79 pass no. :- 2 - Absorber : model 16 JE 707 in temp .(C O) :- 29.4 flow (L/S) :- 240 tube velocity (M/S): 1.87 pass no. : 2 con. & gen. 3/4 " O.D condenser tubes are plain 22BWG copper generator tubes are 19 BWG Ca- Ni alloy 90-10 - con . model 16 JE 707 out temp. (C0) :- 38 flow (L/S): - 240 tube velocity (M/S):- 3.28 pass no. : 1 gen. Model 16 JE 707 Steam Pr - ( bar gauge ) :- 0.772 Steam rate ( G/SEC) :- 2275	
02-06-00082	<b>Equipment : Centrifugal electrical chiller</b> Site/saddam Medical city Replacement to 17FA carrier Capacity : 1000TR nominal. Compressor : Hermetic motor - compressor out put- 1000HP Volt- 380 V , 3PH, 50 HZ full automatic load control full protection . Evaporator: model 17 FA ZZ	

	<p>in- out temp. ( Co): 7- 4.4  flow -(L/S) : 306  tube velocity ( M/S): 2.5  pass no. : 1  condenser: model FAZZ  in out temp. (Co) : 29.4- 35.5  flow ( L/S) : 170.3  tube velocity (M/S) : 2.6  pass no. : 2  tubes -tube length (m) : ZZBWG - 3.7</p>	
02-06-00083	<p><b>Equipment : Centrifugal electric chiller</b>  Site/saddam Medical city  Replacement to 17 DA carrier  capacity : 3000 TR nominal  Motor : out put : 2240 KW - 3000 HP  volt : 11000V , 3PH  RPM : 1488  AMP : 138  compressor : model 17 DA - 74  B.H.P : 2234.86 KW  drive H.P: 2240 KW  speed increase : 5439/ 1488  cooler: model 17 DA - 73-ZZ  tube length (m) : 6.7  flow (L/S) : 311.6  in out temp (Co) : 12.5 - 4.38  no. of tubes : 1410  condenser : model 17DA - 67  tube length (m) : 4.6  flow (L/S): 471.9  in out temp (Co) : 29.4- 35.9  no. of tubes : 1801  no. of tubes for economizer : 199</p>	
02-06-00084	<p><b>Equipment : air compressor with motor</b>  Site/saddam Medical city  pneumatic control  motor : 30 HP . 380 V , 3 pH , 50 HZ, 2300 L/min  max. discharge pressure : 20 bar  operating pressure : 12 bar</p>	
02-06-00085	<p><b>Equipment : air compressor with motor</b>  Site/saddam Medical city  diesel starting  motor : 2.6 KW , 3PH, 380V, 50HZ, 1500 rpm 0.065 m3/min 2.3 CFM  max working pressure: 3200 PSI,</p>	
02-06-00086	<p><b>Equipment : Incinerator</b>  pyloric incinerators without grate to ensure complete combustion to incinerator general hospital waste including paper , wrapping material , plastics, animal and vegetable waste and pathological waste. Incinerators must be capable to receive the above waste without separating 100 mg/nm3 .  content of CO: max. 0.002 %  visibility of flue gases : max. 1 ring element  the incineration must not produce any smell ( the post combustion temp. must be above 800 Co).  volume of ash : max. 3% of initial volume  weight of ash: max. 12% of initial weight  the waste must be completely burnt &amp; the contact of unbent organic matter of the ash must not exceed 3% . suppliers must forward with the quotation a document by the natural official institution proving that the above standard are achieved . preference is given to incinerator achieving the above figures without additional filtration equipment .  capacity :100K/hr  Design : incinerator of the pyrolytic type are preferred . it should be able to operate the incinerator as follows:</p>	

	<p>manual feeding through special feeding door with temp. lock in order to protect from accident .incinerator must be without grate in order to avoid liquid waste to fall into the ash container without being incinerated .</p> <p>incinerator must be equipped with primary and one secondary ( pilot ) burner . the fuel consumption of the burners is to be indicated in the offer .</p> <p>control : automatic control with all necessary swishes , lamps , gauges , etc. in order to ensure automatic operation of the incinerator . electrical supply : 220 - 380 V , 50 cycle</p> <p>chimney : stainless steel chimney of sufficient length and diameter with spark arrest.</p> <p>fuel oil tank :main storage fuel oil tank made from steel plate , sand plastid and provided with protecting paint, capacity : 10000lt and daily fuel tank 1000lt</p> <p>spare part : itemized and priced spare parts list sufficient for five years. training: for tow engineer and tow technetium in your factory for the period of three week.</p>	
02-06-00087	<p><b>Equipment : kerosene refrigerator</b> refrigerator work with electric heater &amp; kerosene - size 12 ft3 dial thermometer on the door</p> <p>- refrigerator have tow door first for freezer &amp; the second for refrigerator .</p>	
02-06-00088	<p><b>Equipment : meat cold store</b> walk in freezers to preserve fresh meat at internal temp. ranging from (-15 C) to (- 25) at the following ambient conditions : summer : DBT 50 Co           WBT 25 Co winter : DBT 1 Co           WBT - 2 Co Internal volume of freezer : not less than 20 M3</p> <p><b>A : CONSTRUCTION :</b></p> <p>1- freezers shall be shipped in knock - down section easy to re- effect .</p> <p>2- cabinet interior shall be made of heavy corrosion - proof aluminum - floor made of heavy gauge anti- slip aluminum ( Sequa plate ) .</p> <p>3- cabinet exterior shall be made of aluminum coated with a white weather - proof coating to make it suitable for out- door installation .</p> <p>4- insulation shall be sufficient to maintain the specified internal temp. in the specified ambient conditions but shall be not less than 12 CMS of polyurethane .</p> <p>5- door shall be constructed of aluminium andshall have an external lock with keys . Door handle can be operated from inside and outside low voltage heater wire strip with electrical control shall ne provided apush - button shall be fitted inside to sound an alarm in case a person is trapped inside .</p> <p>6- shelves and hangers shall be made of strong rust - proof materials . Shelves shall be grid type thre quarters of the space shall be pccupied by she lves the rest by hangers .</p> <p>7- Light weigh shade to protect the cabinet from rain and sun to be fitted or top of it shape size and material of shade shall be suggested by tenderer</p> <p>8- dial thermometer</p> <p>9- audio and visual alarm for high temp .</p> <p>10- sufficient interaal lighting automatically switdes on when door opens</p> <p>11- air cur ain the door operates automatically when door opens</p> <p><b>B- REFRIGERATION SYSTEM</b></p>	



two independent refrigeration systems (each system having a compressor not less than 3 KW ) shall be installed each being capable to maintain the required internal temperature at the specified ambient conditions an automatic alternator a clock timer shall be furnished to automatically reverse the sequence of operation of the two systems to assure even wear- should one system be unable for any reason to maintain the required temperature the second system shall automatically cut - in and together system shall automatically cut- in and together both system shall bring the temperature down to the required level . visual indication of the operation and faults of the systems shall be shown on the control panel capacity and type of compressors used shall be mentioned in the offer . the entire system shall utilize heavy - duty refrigeration copper tubing no aluminium or steel tubing shall be used . evaporator fins shall be anti - corrosion type - automatic electrical defrost with pipe drain valve shall be

**C: ELECTRICAL SYSTEM**

system shall operate from single - phase , 220V . 50HZ supply - or from three - phase 4 - wire 380/220V .

**D-SPARE PARTS:**

an itemized and priced spare - parts list sufficient for five years repair and maintenance of the equipment shall be submitted with the offer . the price shall be C&F baghdad and the spares shall be shipped with the freezers . Among other things , the list shall include the following items:-

- 1-compressors
- 2-evaporator motor fan
- 3-blades for evaporator fan
- 4-condenser motor fan
- 5-blades for condenser fan
- 6-thermometer
- 7-thermostat & alarm thermostat
- 8-high/low pressure - cut out
- 9-oil pressure - cut out
- 10-door gasket with heater
- 11-contactor for compressors
- 12-relays & electrical switches & klix on
- 13-defrost heaters
- 14-automatic electric defrost
- 15-automatic alternator for reverse sequence
- 16-internal light bulb
- 17-over load
- 18-expansion valve
- 19-filter driers
- 20-fuses of different ratings
- 21-solenoid valve
- 22-micro switch & spare for air curtain
- 23-alarm horn

**TESTING , INSTALLATION AND GUARANTEE**

**A : TESTING AND GUARANTEE**

tenderer shall guarantee and maintain the freezers for a period of two years starting from date of putting them in operation . All equipment shall be tested and outstanding technical problems shall be discussed and settled in the firm prior to the shipment of the equipment and in the presence of our engineer . tenderer shall pay for the return air tickets of our engineer and bear all costs of his stay with the firm including full - board lodging for a period of two weeks .

**B: TRAINING :**

	<p>tenderer shall train two persons on the repair and maintenance of the equipment , each person for a period of one month in his firm tenderer shall bear all eosts including return air - fair , full - board loding and any other expenses .</p> <p><b>C : INSTALLATION :</b></p> <p>tenderer shall make complete installation of all cold stores and freezers except civil works such as concrete base - all materials any offer not including complete installation shall be rejected .</p> <p><b>NOTES</b></p> <p>1-fresh meats shall be brough in stores at around 35 0C .  2-quantity of stored meats in each store is about 1500 KG .  3-load calculations shall be sent with the offer</p>	
<b>02-06-00089</b>	<p><b>EQUIPMENT: SUB – STATION</b>  SITE: SADDAM MEDICAL CITY  BUSWAYS, 1600 AMP. RATING .  AS ABOVE BUT BETWEEN MV MAIN SWITCH BORD NAD TO 9-CHILLERS EACH 1500 AMP. FLC</p>	
<b>02-06-00090</b>	<p><b>submersible pump for spring well</b>  bore_hole pump=120meter head flow  =7L/sec multi stage submersible  pump = 380V 3PH 50HZ with spare parts for 5years</p>	
<b>02-06-00091</b>	<p><b>Computer &amp; Communication system</b> to cover KIMADIA central, Doha, and sector warehouses. with high specs, UPS s, printers and universal bar code readers.</p>	
<b>02-06-00092</b>	<p><b>Mechanical Governor control</b></p>	
<b>02-06-00093</b>	<p><b>Water pump</b></p>	
<b>02-06-00094</b>	<p><b>cooling tower</b>  company: CLIME CHAPPEE  Type :- (old) D31 E  Capacity :- 1.017 KW wet bulb :26 c  1-180.00 Kcal/hr water temp:- 38/30.8 c  Flow rate :-165 m3 /hr pressure drop :-2.5 m WG  Complete cooling tower :-</p> <p>Which is same capacity at above and must be with separate motor for each blower and will work in high humidity weather 60% humidity and total hardness is for water 500 PPM recommended spare for 5 years include complete motor :-</p> <p>Fins  Belt  Shaft  Spray nozzle  Bearing  Blower  Nozzle  Motor complete  Ball float valve</p>	
<b>02-06-00095</b>	<p><b>H.T. System</b>  We need to supply of eight H.T breaker with the specification below for each H.T breaker :-  Connections</p> <p>It received power from (SOE) through two feeders one is operating and the other is standby and both are connected to the third H.T . breaker which satisfied the protection above and called general protection which supply the voltage to other five H.T breaker (3 for three transformer for hospital ; one for doctor residence ;one aspire)</p> <p>All the H.T. breaker connected to earth switch individually in case of maintenance.  <input type="checkbox"/> We need</p>	

	<p>Recommended spare part including 2H.T breaker complete and tools for repairing and maintenance complete maintenance operation and installation catalog and training for 2 engineer the system complete with the dimensions below length 3meter ; depth 1.7 meter ; high 2.25m</p> <p>Notes:- The system must be operated with vacuum method Quantity :- 6 system for 6 site + Recommended spare Old system Original system with the specification below :- CEM company (France) Type MF- 120620 3ph 12kv 630A 50HZ 350 MVA Motorized 110VD.C                      controlled voltage 110VD.C Gas SF6 pressure 5bar</p>	
02-06-00096	<p><b>SHORT LIST FOR MATERIALS FOR CENTER OF NEUROLOGY (EQUIPMENTS AND SPARE PARTS AND ALL ACCESSORIES )</b> Materials for mechanical works Centrifugal or reciprocating water chiller 230 ton</p>	
02-06-00097	A.H.U W/accessories	
02-06-00098	Condenser Evaporate and Boiler pumps	
02-06-00099	Heap filter(60 x60cm)for O.R	
02-06-00100	Perforated diffusers for O.R	
02-06-00101	EI.Bd. W/temp and humidity sensors for O.R	
02-06-00102	<p><b>MATERIALS FOR SANITARY WORKS</b> Central medical gases system</p>	
02-06-00103	Stainless steel scrub-up basins	
02-06-00104	Oxygen plant	
02-06-00105	<p><b>MATERIALS FOR ELECTRICAL WORKS</b>                      Nurse call system</p>	
02-06-00106	Bed head unit	
02-06-00107	Fire alarm system	
02-06-00108	Central clock system for O.R	
02-06-00109	Generator set (800 KVA)	
02-06-00110	Bed passenger lift	
02-06-00111	Sound reinforcement system	
02-06-00112	Emergency exit light	
02-06-00113	UPS system	
02-06-00114	Sparkles switch socket	
02-06-00115	<p><b>Materials for civil works</b>                      Conductive PVC tiles for O.R dept</p>	
02-06-00116	Ceiling panels for O.R	
02-06-00117	Wall panels for O.R	

02-06-00118	<b>PVC skirting for O.R dept</b>	
02-06-00119	<b>Equipment : pumps</b> Company name : Guinard France Description -Complete pump+motor (NE 6x16) Q=100 m3/hr H=30-23 Kw 15 3ph , 400V COs Q 0.89 r.i.p. = 2995	
02-06-00120	<b>-set of repining kit for the pump (NE 6 x16)</b>	
02-06-00121	<b>Complete pump + motor (NE3 x16)</b> Q= 15 m3/hr H=30m 3ph COs Q 0.9, r.p.m=2850 400V	
02-06-00122	<b>-Set of repining kit for the pump (NE 3x16)</b>	
02-06-00123	<b>Accessories</b> Microtck scanner A3 size (color)	
02-06-00124	<b>Printer HP Desk jet 890C</b>	
02-06-00125	<b>Digital Camera (Sony)</b>	
02-06-00126	<b>Video in card (MPWGENCODER)</b>	
02-06-00127	<b>Plotter A0 size (Disk jet color)</b>	
02-06-00128	<b>Multi Media Projector</b>	
02-06-00129	<b>Jackboot (20 CD changer) for Libra</b>	
02-06-00130	<b>Copy Machines</b> Minolta photocopy machine 2080	
02-06-00131	<b>Kiss graph machine copy speed (60-130 copy per minute) GR-1750 or GR-3750</b>	
02-06-00132	<b>Video and calling system requirement</b>  Video camera digital with motorized connected to the current system	
02-06-00133	<b>27" Monitor video in –video out connected to the current video system</b>	
02-06-00134	<b>Amplifier for current audio calling system</b>	
02-06-00135	<b>Video recorder U-Match</b>	
02-06-00136	<b>Video Recorder VHS</b>	
02-06-00137	<b>Video Caddie U-Match</b>	
02-06-00138	<b>Video Caste VHS</b>	
02-06-00139	<b>Equipment:-Pegging system</b> -Complete Paging system with its control station and 5 watt transmitter and 100 radio receivers. the system either independent or interfacing with telephone exchange type. Model:- cite allocate v-2505 medium capacity epabx (64x320) cabinet reference 0A075080101 (A20750044/E) Program reference FAH 04H 10H 03H supply Complete maintenance and operating installation catalog and spare part catalog training of our staff in maintenance factory -spare part for 5 year	
02-06-00140	<b>Equipment:- water softener</b> Description -supply complete water softener with the values and all accessories instead of old model:- SF602 CSB meter controlled fully automatic. Capacity:- 9000/m3 Maxflowrate:- 10 m3/huh Hardness of treated water 0.TH Pressure drop:- 80 KPA (8MWG) Voltage: 220V/50HZ Operating pressure between (2 and 6 bar) 2 and 6 KPA/cm Salt capacity:-400 KG Reagent tank:- 120L Company name:-EAU ET IN DUSTRE -supply test kit for testing water with reagent 12 set	

	<p>supply Complete maintenance and operating and installation catalog and spare part catalog  give list of Spare part for 5 years  training of our staff in manufacture factory</p>	
02-06-00141	<p><b>Equipment:- Package unit package complete which supply cool air directly by duct to the building</b>  Capacity:- 10TON  380 V 50HZ ,3PH,R22  Ambient temp. :- 60 C  Linseed temp.:- 12 C  Training 3 engineer for 2 weak spare part for 5 years</p>	
02-06-00142	<p><b>petium 333MHZ MMX (INTEL) COMPLIANT WITH YEAR 2000 (XION)</b>  MINITOWER CASE  64MB RAM (512CACHE)  UP TO 5GB HDD  15" SVGA MONITOR WITH 8MBAGP CARD (SVGA)  144 FDD (3.5)"  104 AIL KEYBOARD +(MOUSE &amp;PAD)  MULTI MEDIA KIT (32X CD-ROM+ 16-SOUND  BLASTER+SPEACERS+microphone)  CD-WRITER 2X2X6  FAX -MODEM CARD  LAN CARD 32 BIT (PCI)  WITH 1.4 APC UPS  TYPE 2</p> <p>PETIUM 333MHZ MMX (INTEL) COMPLIANT WITH YEAR 2000 (XION)  MINITOWER CASE  32 MB RAM  3 GB HDD  14"SVGA MONITOR WITH 4MB AGP SVGA CARD  1.44 FDD (3.5)"  104 AIL KEYBOARD + (MOUSE&amp;PAD)  CD-ROM 32X SPEED  LAN CARD 32BIT (PCI)  WITH 1.4 APC UPS  TYPE 3</p> <p>PETIUM 300MHZ MMX (INTEL) COMPLIANT WITH YEAR 2000 (CELERON)  MINITOWER CASE  16MB RAM  UP TO 2GBMDD  14" SVGA MONITOR WITH 2MB SVGA CARD  1.44 FDD 3.5"  104AIL KEYBOARD + (MOUSE &amp; PAD)  LAN CARD 32 BIT (PCI)  CD- ROM 24X SPEED  WITH 1.4 APC UPS  PRINTERS  EPSON LQ 2170 DOTMATRIX WITH ARABIC  HP LASER GET 6P  SCANNER  AT LEAST 4800 DPI FLAT BED PAGE SCANNER  mother board intel corporation with cpu  bios american megatrend inc (AMI)  ram memory micronics . Or kingston technolgy corp  hard disk seagate technology inc . Or western digital corb  monitor sony electronics inc.or samsong electronics america  floppy disk drive teak america inc.or mewlett packard  keyboard &amp; mouse microsoft corp  multimedia kit creative labs  CD-rim panasonic communications&amp; system co  fax-modem card hayes micro computer products inc</p>	
	<p><b>Equipment:fan coil unit</b>  COMPANY NAME: wesper</p>	
02-06-00143	<b>COMPLETE FAN COIL TYPE V.P.N 61 SINGLE SHAFT</b>	
02-06-00144	<b>COMPLETE FAN COIL TYPE V.P.N 81 DOBLE SHAFT</b>	
02-06-00145	<b>COMPLETE FAN COIL TYPE V.A.C 41 SINGLE SHAFT</b>	
02-06-00146	<b>COMPLETE FAN COIL TYPE V.A.C 81 DOBLE SHAFT</b>	

02-06-00147	<b>COMPLETE FAN COIL TYPE V.A.C 111 DOBLE SHAFT</b>	
	SPARE PART FOR 5 YEARS INCLUDING THER MOSTAT MOTOR SELECTOR SWITCH catalog for the spare parts, models ,maintenance and operation TRAINING for our STAFF engineers	
02-06-00148	<b>EQUIPMENT CHILLER</b> CAPACITY : 550 CENTRIFYAL TYPE WATER COOLED SPARE PART FOR 5 YEARS TRAINING FOR ENGINEAR SUPPLY OPERATION AND MAINTENANA CATOLOG WITH SPARE PART LIST INSTALLATION AND OPERATION AND MAINTENANCE FOR ONE YEAR..	
02-06-00149	<b>WATER COOLER COMPLATE WITH</b> ¼ OR 1/3 HP COMPRESSON 50HZ SINGLE PHASE 220V SYEARS SPARE PART TRAINING FOR ENGINEER AND TECH	
02-06-00150	<b>Equipment :- Window unit</b> Air condition with heater Capacity :- 1.5 ton 220 v , 50 Hz , 1 pH hotel cooled , R22 spare part for 5 years Training for our tech.	
02-06-00151	<b>Equipment :- split unit</b> Split unit with heater Capacity :- 3 ton 220 V , 50 Hz , 1 pH hot and cooled R22 spare part for 5 years training for our tech	
02-06-00152	<b>Equipment :- deep freeze</b> Deep freeze complete unit flat type inside temp. required :- 40 Co , size: 500 LT 220V , single, phase 1 , 50 HZ spare part for 5 years training for engineer and tech Supply catalog spare part and operation and maintenance	
02-06-00153	<b>Equipment :- chiller Air cooled</b> Capacity :- 80 ton Ambient temp :55C' Water inlet : 6 C' Water outlet : 12 C' Compressor type : Semi hermetic coil material copper tube with aleminuim fins fan type propeller evaporator sheel and tubs (cooler type) pumps flow rate suitable for the chiller air handling units with suitable capacity electrical board for operation (pumps ,chiller , air handling units)	
02-06-00154	<b>Equipment:- cooling tower</b> Complete cooling tower Capacity : 4 .201.200 Kcal/h  Working weather 60% humidity and 500 PPM total hardness for water Water flow : 7800 L/min Water in :- 41C' Water out :- 32 C ' Spare part for 5 years Training for engineer and tech Supply catalog for operation and maintenance and spare part list.	
02-06-00155	<b>Equipment:- cooling tower</b> Capacity :80 ton Water temp. 38/ 30 C'  Complete cooling tower must be separate motor for each blower and will work in high  Humidity weather 60 % Humidity and total hardness is for water 500ppm	

	<p>Recommended spare for 5 years.  Include complete motor  Fin , belt,shaft, spray nozzle , bearing , blower ,  Nozzle , motor complete, ball float valve  Training for engineer and tech.</p> <p>Complete catalog for spare part and operation maintenance catalog</p>	
<b>02-06-00156</b>	<p><b>Minibus 21 Setae</b>, Two Wheel Drive with four doors with Air Conditioner, Petrol engine with service, operation, spare parts manuals in English and service and Fast moving spare parts for 2 years operation</p>	
<b>02-06-00157</b>	<p><b>Fuel Tanker Scan</b>, Complete Set, 9 cube metros (m3) spare part with service, operation, spare parts manuals in English and service and fast moving spare parts for 2 years operation (other alternative Volvo or Mercedes)</p>	
<b>02-06-00158</b>	<p><b>SPECIFICATIONS FOR BLOOD REFRIGERATOR CARS</b>  BIAS VEHICLE  _ENGINE:(4-6) CYLINDER  PETROL ENGINE  WATER COOLED  CAPACITY 2600CC AND MORE  TRANSMISSION: MANUAL GEAR BOX 4- SPEED WITH ONE REVERSE FLOOR SHIFT  DRIVE : FOUR WHEEL DRIVE THE REAR AXLE EQUIPPED IN EACH SIDE DOUBLE WHEEL  BRAKE: DRUM BRAKE IN EACH WHEEL WITH BOOSTER ASSIST PARKING BRAKE TO BE CONTROLLED BY HAND GETTING ON THE REAR WHEELS  - STEERING: POWER STEERING LEFT HAND DRIVE  - SUSPENSION: HEAVY DUTY LEAF SPRING IN EACH REAR AND FRONT WHEELS  - GAUGES: ALL IN METEORIC SYSTEM .  - AIR CONDITION AND HEATING: TO BE SUPPLIED FOR DRIVER CAB  - CAB: DOUBLE CABIN  FRAME AND CHASSIS :- TWO PARALLEL CHANNEL CHASSIS  - ELECTRIC EQUIPMENT: HEAVY DUTY 12 VOLT 75 AMP /H BATTERY  ANTENNA  INSTALLATION OF RADIO ANTENNA IN EACH AMBULANCE AT THE ROOF.  WIRELESS EQUIPMENT: EACH AMBULANCE EQUIPPED WITH RADIO (WIRELESS COMMUNICATION DEVICE).  - LOAD CAPACITY: THE VEHICLE CAN CARRY NET WEIGHT NOT LESS THAN 1000 KG  - SIREN AND BEACON: THE CAR EQUIPPED BY BEACON LONGITUDINAL IN UPPER FRONT OF THE CAR AND EQUIPPED BY DEVICE FOR COMMUNICATION  - ASSESSORS: JACK AND HANDLE, WHEEL RING, HAZARD TRIANGLE  - SPARE TYER ( DOUBLE TYER )  TWO GENERATORS SET TO BE AVAILABLE EACH ON CAPABLE TO OPERATE CONTINUOUSLY FOR SIX HOURS  CAPABILITY OF CONNECTING REFRIGERATOR AND FREEZER WITH EXTERNAL ELECTRICAL SOURCE INCLUDING ( CABLE 100M LENGTH WITH THREE OUT LET AND ANOTHER ELECTRIC Accessories AVAILABLE ALL THE TIME IN THE CAR )  BLOOD BOX COMPARTMENT  THE BOX WILL BE ENOUGH TO CARRY THE FOLLOWING:  - TWO BLOOD REFRIGERATOR (VERTICAL TYPE) EACH CAN CARRY 100 UNIT OF BLOOD BAG</p>	

	<p>- TWO DEEP FREEZER (VERTICAL TYPE) EACH CAN CARRY 150 UNIT OF BLOOD DERIVATIVES</p> <p>INSIDE TEMP FOR REFRIGERATOR + 2C TO +6C</p> <p>INSIDE TEMP FOR DEEP FREEZE -30 TO -60C</p> <p>- AMBIENT TEMP:60C</p> <p>AUDIO and VISUAL for LIGHT TEMP and LOW TEMP MUST BE FITTED in EACH refrigerator and FREEZE and WILL BE SHOWN ALSO in DRIVE CAB</p> <p>DALE THERMOMETER MUST BE PROVIDED ON THE REFRIGATOR AND FREEZ AND WILL BE SHOWN ALSO IN DRIVER CAB</p> <p>DAY RECORDER ON EACH REFRIGATOR AND FREEZ</p> <p>EACH refrigerator and FREEZE have TWO SEPARATING COMPRESSOR (ONE work and ANOTHER STAND BY )</p> <p>- EACH REFRIGERATOR AND FREEZE HAVE STAINLESS STEEL STEAD DOOR (NOT GLASS)</p> <p>- AUTOMATIC DEFORESTING FOR EACH REFRIGERATOR AND FREEZE AND THE DRAIN WATER WILL BE THROWN OUTSIDE THE CAR</p> <p>- THE REFRIGERATOR AND FREEZER WILL HAVE REMOVABLE DRAWER</p> <p>- REF. GAS: R12 OR, RR22 OR R502</p> <p>- TOW MINI COOLING BOXES FOR MANUAL TRANSPORTING THE BLOOD BAGS</p> <p>- THE GENERAL BOX ARE SUITABLE FOR THE JOB OF THE OPERATION OF BLOOD CARRYING IN EACH ITEM .AND EQUIPPED BY TWO REAR DOOR OPERABLE TO THE SIDE</p> <p>RECOMMENDED SPARE PARTS FOR 5 YEARS</p> <p>TRINING FOR TOW ENG. TOW WEEKS AND ONE DOCTOR(physican) FROM BLOOD BANK FOR TWO WEEKS</p>	
02-06-00159	<p><b>Equipment Gas Boiler</b></p> <p>Supply complete unit with its all accessories instead of old model conic flexiflame 70 cp. Gases serial No. 82487612-20 Company name :- CHAFFOTANUX ETMAURY</p> <p>- give list of spare part for serer</p> <p>- supply complete maintenance and operating and installation and spare part scatalog</p> <p>- Training of our staff in manufacture factory</p>	
02-06-00160	<b>Centralized cooker s</b>	
02-06-00161	<b>Bata peeling machine</b>	
02-06-00162	<b>Tomato press</b>	
02-06-00163	<b>Horizontal Deep freeze 16" foot</b>	
02-06-00164	<b>Washing machine laundry</b>	
02-06-00165	<b>Press</b>	
02-06-00166	<b>Betts for Iron roller</b>	
02-06-00167	<b>Pentium 2 Intel</b>	
02-06-00168	<b>CPU 333 MHz with cache RAM 128 MB</b>	
02-06-00169	<b>Hard disk 9 GB</b>	
02-06-00170	<b>SVGA card 4 MBV RAM</b>	
02-06-00171	<b>17" color SVGA monitor</b>	
02-06-00172	<b>Screen filter</b>	
02-06-00173	<b>LAN card 32 Bits</b>	
02-06-00174	<b>CD -Drive 34 X</b>	
02-06-00175	<b>Sound D32 Bit 3 D</b>	
02-06-00176	<b>HP laser jet printer 6p++10 extra toner</b>	
02-06-00177	<b>Modem Fax card (56.6) KBPS</b>	
02-06-00178	<b>English/Arabic KB (104 Keys)</b>	
02-06-00179	<b>MS mouse</b>	
02-06-00180	<b>Mouse -Peed</b>	
02-06-00181	<b>3.5 FDD HD</b>	
02-06-00182	<b>HP Laser jet printer</b>	
02-06-00183	<b>Extra Black Toner</b>	
02-06-00184	<b>FORK LIFT (5 TON)</b>	



	1. DIESEL ENGINE 4 CYLINDER WATER COOLED 2. BATTERY 12V 3. NORMAL HYDRAULIC GEAR 4. MAX HEIGHT 3.5M												
	<b>PACKAGE UNIT (AIR COOLED) SCHEDULE</b>												
Cod	No. Req	Summer						Winter		blower		Comp. Loac	
		Cooling load kcal/H		Evaporate temp C				Electrical heater		Fresh air (m/h)	Supply air (m/h)	Externa l (mm w.g)	Bower
		Effective sensible load	Total load	Entering		Leaving		Kw	No.of stage				
				D.B	W.B	D.B	W.B						
02-06-00185		65700	98400	28	17.5	14	9.5	70	2	4980	28050	7	7.5
02-06-00186		55200	81900	33	19.8	143	9.5	58	2	4400	22440	6	7
02-06-00187		19400	28200	28.4	17.5	14	9.5	20	2	1630	8160	5	2
02-06-00188		29670	44100	28.4	17.5	14	9.5	31	2	2550	12750	5	3
02-06-00189		12510	18150	28.4	17.5	14	9.5	12.8	2	1020	5100	5	1.5
02-06-00190		41000	50500	28.4	17.5	14	9.5	36	2	2720	13600	5	3
02-06-00191		12510	18000	28.4	17.5	14	9.5	12.7	2	1020	5100	5	1.5
02-06-00192	<b>Size of clinker /1st stage 406. 4mm (16") tow</b>												
02-06-00193	<b>Z ND stage :288 .6mm (9)" tow</b> - Power transmission / direct coupling - The compressor used to produce medical oxygen Gas under normal condition - Compressor manufacturer / IHI ishikawajima – industries Co. It'd Tokyo Japan Head office e : New ohtemavhi Bldg. 2- chime . 2chlemachi Chiyoda .KU Toko. Japan Tel Toko (03) 244.6496 Telex J22232 (Chico j 22232) J 22490 , JJ2439Cabra address : Iho Toko - Installed & Commissioning by: Toko Bussan Co. Lt. Twix 242- 2914 Fax 03-423 – 4821												
02-06-00194	<b>Teflon Pistonring 2nd Stacie cood No. E238201</b>												
02-06-00195	<b>Teflon Piston ring ist stage cood No. E148201</b>												
02-06-00196	<b>Bull Ring 2nd Stage cood No. E238202</b>												
02-06-00197	<b>Piston Assy Ist stage cood No. E141600</b>												
02-06-00198	<b>Discharge valve seat</b>												
02-06-00199	<b>inlet valve seat</b>												
02-06-00200	<b>I- Typethermometer (0-100C)</b>												
02-06-00201	<b>L- Type Thermometer (0-200C)</b>												
02-06-00202	<b>THRENAY SOLENOIO VALVE</b>												
02-06-00203	<b>Oil preserve</b>												
02-06-00204	<b>Chain over suttee</b>												
02-06-00205	<b>AIR Pressure switch cood No. G319968</b>												
02-06-00206	<b>Temperature switches (120-215C) cood no. G631301</b>												
02-06-00207	<b>Crank shat Assy cood No. D266700</b>												
02-06-00208	<b>Oilier PIN cood No.</b>												
02-06-00209	<b>Retaining Ring cood No. D26706</b>												
02-06-00210	<b>Bearin6 collar cood No. D260707</b>												
02-06-00211	<b>Bearing Coeur cood No. D260708</b>												
02-06-00212	<b>Collar cood No. D260709 Flintier</b>												
02-06-00213	<b>Filigree cood no. D260710</b>												
02-06-00214	<b>Bolt cood no. D110711</b>												
02-06-00215	<b>Key cood No. D260712</b>												
02-06-00216	<b>Oilier sleeve cood no. D260713</b>												
02-06-00217	<b>Bearing cood No. 0.0260714</b>												
02-06-00218	<b>Bearing cood No. D260715</b>												
02-06-00219	<b>Connecting Rods cood No. D111400</b>												
02-06-00220	<b>Ding end Bolt cood No. D111403</b>												
02-06-00221	<b>Caste Nut Cood No. D111404</b>												
02-06-00222	<b>Crank pin Bearing Cood. No. D111406</b>												

02-06-00223	Wrist P/N Metal cood No. D111407	
02-06-00224	Cloture P/N cood No. D961814	
02-06-00225	Cross Head Assy Cood No. D111300	
02-06-00226	Wrist P/N covers cood No. D111 303	
02-06-00227	Wrist P/N D111304	
02-06-00228	Lockwasher Cood no. D111305	
02-06-00229	Bolt Cood No. 0430765	
02-06-00230	Destine Rod cood No. E121606	
02-06-00231	Precision control thick meter 0-3005 Freq. 0-4000	
02-06-00232	Thermos couple for outlet and inlet Tem.	
02-06-00233	Tem. Controller T 675A	
02-06-00234	Ceramic filter	
02-06-00235	Flexible hose for tank lorry	
02-06-00236	Ball valve for pump (tank lorry)	
02-06-00237	Pump Assy for tank lorry	
02-06-00238	Flexible hose for filling station	
02-06-00239	Complot O2 valve for oxygen cylinder type G11	
	<b>Water pump</b> Manufacture: old type LEF1: any anther new model Equipment to the following old pump good quietly	
	Article	Qty of repair kit
02-06-00240	<b>Centrifugal pump with motor</b> complete old model : B125/25 name Q forte (m3/h) ; 95 380volt, 50HZ, 3PH	500
02-06-00241	<b>Centrifugal pump with motor</b> complete old model :- B 125/20 N Q floweret 9m3/h0:160 Head:- 26m volt 380 50hz 3ph	500
02-06-00242	<b>Centrifugal pump with motor</b> complete old model :- B125/30 Q floweret m3/h : 182 Head:- 21m Volt:- 380 , 50Hz 3ph inletpipe inch :- 5 outlet pipeinch;-4	500
02-06-00243	<b>Centrifugal pump with motor</b> complete old model :- B125/25 Q floweret m3/h:- 95 Head :- 17m Volt 380, 50Hz,3Ph	500
02-06-00244	<b>Centrifugal pump with motor</b> Old model :- B125/30( Hot water ) Q floweret (m3/h):- 99 Volt:- 380,50 Hz, 3ph	500
02-06-00245	<b>Centrifugal pump with motor</b> old model :- B40132 R.P.M= 1450 Q floweret m3/h =14 Head :- 25 volt;- 380 Hz = 50 pH: 3	500
02-06-00246	<b>Centrifugal pump with motor</b> Old model :- B80 /35 Qflowrate :- m3/h 50 volt:- 380 , 50Hz,3ph	500
02-06-00247	<b>Centrifugal pump with motor</b> old model :- B125/35 Q floweret (m3/h) :60 volt:- 380 50Hz, 3ph	500
02-06-00248	<b>Centrifugal pump</b> With motor old model :- bob 80/25 Q floweret m3/h :59 volt:- 380 , 50Hz,3ph	500
02-06-00249	<b>Electric sewage pump head :- 15-20</b> 380volt: 50Hz,3ph supply complete maintceance and operating installation catalog and spare part Catalan training of our staff in maintenance factory	500
02-06-00250	<b>Drying tumbler</b> Capacity 15 Kg/load (dry weight ) 3 load /hour Heating by electrical element drum stainless steel 18/8 timer and thermo stat controlled inter lock stops connection to 380v 50hz 3ph	

	<p>spare part list for 3 years  operation in stallation repair and spare parts manual with each drying  Training tow engineers for 3 weeks in the factory</p>	
02-06-00251	<p><b>Press</b>  Capacity 20 kg  Stainless steel inner for drum  Automatic operation prognamebel  All accessories needed supply for prepare operation  Connection 380 V 50 HZ 3PH  List for spear part recommended 5 years  All document , menteenens , operation repair  Training tow engineers for 3 weeks in the factory</p>	
02-06-00252	<p><b>Steam dryer</b>  capcity 50kg dry /load with 3 load /hr  heating : steam (6-8) bar reverse rotation cylinder inter lock door for safty  timer control indication lamps and any other necessary components must  inlet and out let flexible steam pipes exeust flexible pipe 6m for each  operation installation repaier and spare parts manual with each tumbler  connection to 380 V 50 HZ 3PH</p>	
02-06-00253	<p><b>iron steam</b>  steam heated press roller two meters long  variable speed lowering raising switch for reverse rotation  finger protection provided rotation left and right  steam heated at a pressure of (8-10 )bar  complete with exhaust fan and all internal electric wiring steam trap  spare part list for 3 years  operation in stallation repair and spare parts manual with each drying  Training tow engineers for 3 weeks in the factory</p>	
02-06-00254	<p><b>Flat work ironed machine</b>  lowering of cylinder heat control finges - protection feeding and receiving  tables  connection to 380v 50hz 3ph  spare part list for 3 years  operation in stallation repair and spare parts manual with each drying  tumbler  Training tow engineers for 3 weeks in the factory</p>	
02-06-00255	<p><b>Washing machine</b>  Capacity up to 50 kg/load (dry weight)  heating :steam (6-8 bar)  drumins stainless steel 18/8  operated by programme card and push botton for manual reverse drum  safty look on door unbalance switch  G- factory :500 g  fitting and flexiable pipes 1.5 m in cluded  connection to 380 v 50 hz 3 ph  demostic water pressure supplied 0.5 bar  spare parts list for 3 years operation installation repair and spare parts  manual with each washer  Training tow engineers for 3 weeks in the factory</p>	
02-06-00256	<p><b>Washing machine</b>  Capacity 20 kg/load (dry weight)  heating :electric element  drum stainless steel 18/8  operation by push botton for manual control reverse drum action  safty look on door  fitting and flexiable pipes 1.5 m in cluded  connection to 380 v 50 hz 3 ph  demostic water pressure supplied 0.5 bar  itemized and speratly priced spare parts list for 3 years operation  Training tow engineers for 3 weeks in the factory</p>	
02-06-00257	<p><b>Washing machine</b>  Capacity 30 kg/load (dry weight)  heating :electric element  drum stainless steel 18/8  operation by programme card and push botton for manual reverse drum  safty look on door  fitting and flexiable pipes 1.5 m in cluded  connection to 380 v 50 hz 3 ph  demostic water pressure supplied 0.5 bar</p>	

	spare parts list for 3 years operation installation repair and spare parts Training tow engineers for 3 weeks in the factory	
<b>02-06-00258</b>	<b>Press</b> Capacity 50 kg	
<b>02-06-00259</b>	<b>hydro extractor</b> Capacity 20 kg/load (dry weight)  G- factory :600-750 g  inner drum of stainless steel 18/8 timer operated reverse phase brake system drive motor with thermal cut -out vibration controlled inner drum connection to 380 v 50 hz 3 ph  spare parts list for 3 years operation installation repair and spare parts manual with each washer  Training tow engineers for 3 weeks in the factory	
<b>02-06-00260</b>	<b>Cornice flexiflame 70</b>	
<b>02-06-00261</b>	<b>Drying to LBG gas dryer</b>	
<b>02-06-00262</b>	<b>Hot water boiler</b> Capacity 2000 KG/hr  Working presser 10 bar Automatic control for safe, starting and operation, automatic blow down Burner : dual fuel L.P.G gas or light gas oil Automatic operation isolated skid mounted ready for connection and Softener : suitable duplex automatic operation softener suitable for boiler  Spear parts recommended for 5 years  Technical document / insulation / operation / martinets and repair Training 3 engineers for one month in the factory	
<b>02-06-00263</b>	<b>Calling system and equipment for calling system</b> Complete paging system with its control station and 5 watt transmitter and The system either independent or interfacing with telephone exchange supply complete maintenance and operating installation catalog and	
<b>02-06-00264</b>	<b>Compressor</b> Specification of compressor 1/6 hp Mod. FII 5IF IOG or FII 5IQ IOG 1/6 HP low back pressure static cooled R 12 compressor having following electrical characteristics nominal voltage 220 V 50 HZ  voltage rang 170 - 240 V  power factor .95 ( shunt capacitor is to be used)  the compressor are to be supplied complot with starting device ( relay or ptc)  over load protector electrical connection board capacitor and the necessary wiring for electrical connection  dimensional data :  discharge tube 6.35 mm ID suction tube 6.35 mm ID process tube 6.35 mm ID all tubing shall be made of high quality refrigerating copper tubes Packing shall be made in strong wooden boxes or metallic cases suitable for shipment in containers and forklift handling.	
<b>02-06-00265</b>	<b>Telephone exchange system</b> 4X64 8 X 120 20 X 320 30X500 50 X 1000 10x250 10 x 75 150X2000 10X1000 each above internal extensions should be 80% analogue, and 20% digital Auto communication switch system can use both type of telephone rotary	

Facilities : consultation call with split call transfer three way conference  
 Tones : the system should be working on different tones such as internal  
 Operator console : electronic push – bottom operator console can be  
 Power supply : smooth and stabilized 48 V DC at 60 A max provided by  
 In case of 48 VPC failure to the system suitable battery back up supply  
 Others :  
 1- Installation the system on sites and tow year maintenance  
 2- Spare parts for 5 years  
 3- Comet set of manuals installation maintenance programming and read  
 4- Training on factory 5 engineers and 6 weeks

**Equipment :pumps**  
 model : as below  
 company / manufacturer : worthington  
 or equavalnt worthington  
 simpsonltd  
 low field works  
 p.o.box 17 newark , nottingh - amshire  
 NG243EN  
 ENGLAND  
 tel = newark 705151  
 tlx = 37451  
 quantity : 80  
 site : saddam medical city

	MOdEL	KW	HEAD (M)	FLOW (L/S)	RPM	
02-06-00266	12LN21	340	36	650	1440	
02-06-00267	12LN17	265	52.5	335	1440	
02-06-00268	12LN17	224	36	372	1440	
02-06-00269	ERP80-400	150	140	30	2880	
02-06-00270	12LA2	150	25.5	415	1440	
02-06-00271	12LA2	90	30	300	1440	
02-06-00272	10LA3	90	30	170	1440	
02-06-00273	10LA3	90	43.3	142.3	1440	
02-06-00274	65WP315	75	132.5	22.5	2880	
02-06-00275	6L3	55	32	101.29	1440	
02-06-00276	6L3	55	52.5	52.24	1440	
02-06-00277	65WP315	55	103	22.5	2880	
02-06-00278	ERP60-200	45	190	7.57	2880	
02-06-00279	50wp315	37	103	10	2880	
02-06-00280	65WP250	37	68.6	22.5	2880	
02-06-00281	6L3	37	34	55.5	1440	
02-06-00282	6L3	30	27	98.5	1440	
02-06-00283	100WP200	30	37	43.1	2880	
02-06-00284	80WP160	15	24	30	2880	
02-06-00285	1 ½ TM2	15	132.5	2.5	2880	
02-06-00286	40WP200	11	45	7.57	2880	
02-06-00287	40WP200	11	55	4.36	2880	
02-06-00288	1 ¼ TM43	7.5	68.6	2.25	2880	
02-06-00289	4L1	5.5	9	30.61	1440	
02-06-00290	100WP200	4	11	17.42	1440	
02-06-00291	1 ¼ TM22	4	83.3	1	2880	
02-06-00292	3L1	3	8	15.86	1440	
02-06-00293	3dv2	3	-	-	2880	
02-06-00294	32wp160	1.5	14.6	2.25	2880	
02-06-00295	<b>ELECTRICAL FORK LIFT (2 TON)</b> 1.MAXIM HEIGHT 7 TO 7.5 METER 2.FORK LENGTH 750 TO 1600MM 3. FORK CARRIAGE WIDTH 865 4.FORK WIDTH X THICKNESS 120X50 5.FORK SPREAD MAX 815 6. FORK SPREAD MINIMUM 455 7.OVER ALL WIDTH (AXLE BRACKET) 1450 OR 1500					

	8.LOAD WHEEL TRUCK 1310 OR 1370 9.REACH TRAVEL (MAX) 1220 TO 1625 10.LOAD WHEEL /LOAD CENTER 865 TO 1075 11.SWEEP RADIUS 815 TO 965 12.BOOM LENGTH TO PIVOT CENTER 865 OR 1015 13.LENGTH OF REACH FRAME 1320 TO 1725 14.FACE OF FORK TO PIVOT CENTER 455 TO 660 15.THROAT 965 TO 1805 16.BOOM / REACH FRAME HEIGHT 355 17.MECHANISM WIDTH 205 18.LOAD WIDTH 800 TO 1320 19.LOAD LENGTH 760 TO 1525 20.AISLE WIDTH 1525 TO 1930 21.ELECTRIC MOTORS-REACH 0, 4 KW 22.ROTATE 0, 4KW 23.FONK WIDTH MAXIM 1600 MM	
<b>02-06-00296</b>	<b>ELECTRICAL FORK LIFT (1 TON)</b> 1.MAXIM HEIGHT 7 TO 7.5 METER 2.FORK LENGTH 750 TO 1600MM 3. FORK CARRIAGE WIDTH 865 4.FORK WIDTH X THICKNESS 120X50 5.FORK SPREAD MAX 815 6. FORK SPREAD MINIMUM 455 7.OVER ALL WIDTH (AXLE BRACKET) 1450 OR 1500 8.LOAD WHEEL TRUCK 1310 OR 1370 9.REACH TRAVEL (MAX) 1220 TO 1625 10.LOAD WHEEL /LOAD CENTER 865 TO 1075 11.SWEEP RADIUS 815 TO 965 12.BOOM LENGTH TO PIVOT CENTER 865 OR 1015 13.LENGTH OF REACH FRAME 1320 TO 1725 14.FACE OF FORK TO PIVOT CENTER 455 TO 660 15.THROAT 965 TO 1805 16.BOOM / REACH FRAME HEIGHT 355  17.MECHANISM WIDTH 205  18.LOAD WIDTH 800 TO 1320  19.LOAD LENGTH 760 TO 1525 20.AISLE WIDTH 1525 TO 1930  21.ELECTRIC MOTORS- REACH 0, 4 KW  22.ROTATE 0, 4KW  23.FONK WIDTH MAXIM 1600 MM	
<b>02-06-00297</b>	<b>FORK LIFT (3 TON)</b>  1. DIESEL ENGINE 4 CYLINDER WATER COOLED  2. BATTERY 12V 3. NORMAL HYDRAULIC GEAR 4. MAX HEIGHT 3.5M	
<b>02-06-00298</b>	<b>FORK LIFT (1 TON)</b> 1. DIESEL ENGINE 4 CYLINDER WATER COOLED  2. BATTERY 12V  3. NORMAL HYDRAULIC GEAR  4. MAX HEIGHT 3.5M	
<b>02-06-00299</b>	<b>MEDICINES CARRYING TRUCKS:</b>	

**A- BASIC VEHICLE:**

1. ENGINE: DIESEL ENGINE WATER COOLED
  2. TRANSMISSION: MANUAL FLOOR SHIFT
  3. CLUTCH: HYDRAULIC CONTROL SINGLE DRY PLATE WITH AIR
  4. SUSPENSIONS: FRONT: LAMINATED LEAF SPRINGS WITH
  5. SUFFICIENT TO CONTROL THE VEHICLES IN THE PARKING
  6. ELECTRICAL SYSTEM: 24V 120AMP
  7. INSTRUMENT PANEL: ALL MEASUREMENTS AND GAUGES IN
  8. FRAME: PARALLEL, TAPERED CHANNEL SECTION TYPE WITH
  9. STEERING: LEFT HAND DRIVE, (BALL NUT TUBE, INTEGRAL
  10. TIRES: HIGH QUALITY FRONT WHEELS: SINGLE IN EACH SIDE
- 
11. DRIVERS CABIN: ONE AND HALF CABIN SUPPLIED WITH AIR-CONDITIONING SYSTEM (COOLING, HEATING AND VENTILATION)
  12. EQUIPMENT'S: THE VEHICLES (TRUCKS) IT PROVIDES WITH ALL ACCESSORIES THAT ARE CONCERNING WITH WORK OF THE TRUCK

**B- LOADING CAPACITY:**

FIRST OPTION LOADING CAPACITY (2-4) TON QTY (25)  
SECOND OPTION LOADING CAPACITY (5-7) TON QTY (250)

THIRD OPTION LOADING CAPACITY (8-10) TON QTY (25)

**C-ACCESSORIES: EACH VEHICLE (TRUCK) SUPPLY WITH THE FOLLOWING:**

FAST SPARE PART: AUTO JACK WITH HANDLE AND WHEEL  
WRENCH : HAZARD TRIANGLE: HYDRAULIC TAIL LEFT.

1. COOLING SYSTEM WORK BY ENGINE OR ELECTRIC POWER 380 VOLT 50 HZ 3 PHASE
2. DIAL THERMOMETER MUST BE PROVIDED
3. AUDIOVISUAL FOR HIGH TEMP. MUST BE FITTED
4. REFRIGERATION MUST SUITABLE TO MAINTAIN THE COOLING SPECIFICATION MENTION BELOW AND USES THE FOLLOWING GASES R12, R22, R502.
5. INTERNAL TEMP FROM + 10C TO-20C
6. AMBIENT TEMP.  
SUMMER DBT 60C

WBT 25C

WINTER DBT 1C  
WBT 3C

02-06-00300

**TRUCKS:**

**C- BASIC VEHICLE:**

- 1- ENGINE: DIESEL ENGINE WATER COOLED
  2. TRANSMISSION: MANUAL FLOOR SHIFT
  3. CLUTCH: HYDRAULIC CONTROL SINGLE DRY PLATE WITH AIR
  4. SUSPENSIONS: FRONT: LAMINATED LEAF SPRINGS WITH
  5. SUFFICIENT TO CONTROL THE VEHICLES IN THE PARKING
- C- ELECTRICAL SYSTEM: 24V 120AMP  
METRIC SYSTEM
8. FRAME: PARALLEL, TAPERED CHANNEL SECTION TYPE WITH CROSS MEMBERS AND REINFORCEMENTS
  9. STEERING: LEFT HAND DRIVE, (BALL NUT TUBE, INTEGRAL
  10. TIRES: HIGH QUALITY FRONT WHEELS: SINGLE IN EACH SIDE  
REAR WHEELS: DOUBLE IN EACH SIDE
  11. DRIVERS CABIN: ONE AND HALF CABIN SUPPLIED WITH AIR-CONDITIONING SYSTEM (COOLING, HEATING AND VENTILATION)
- ALL ACCESSORIES THAT ARE CONCERNING WITH WORK OF THE TRUCK
- B- LOADING CAPACITY:**
- FIRST OPTION LOADING CAPACITY (3-4) TON QTY (50)

SECOND OPTION LOADING CAPACITY (5-6) TON QTY (100)  
 THIRD OPTION LOADING CAPACITY (8-12) TON QTY (100)  
 C-ACCESSORIES: EACH VEHICLE (TRUCK) SUPPLY WITH THE  
 FAST SPARE PART: AUTO JACK WITH HANDLE AND WHEEL

02-06-00301

**AMBULANCE**

**PARTITION**

BETWEEN DRIVER'S COMPARTMENT AND PATIENT'S

**PARTITION WINDOW**

LARGE, DOUBLE SLIDING SAFETY GLASS CENTRAL WINDOW

**PATIENT'S COMPARTMENT**

THE PATIENT'S COMPARTMENT IS TO BE FULLY INSULATED.

**ROOF HEIGHT**

INSIDE HEIGHT NOT LESS THAN 1500MM WITHOUT THE

**FLOORING**

HIGH QUALITY FLOORING MATERIAL CEMENTED TO A SUITABLE

**MEDICINE CABINETS**

THE LEFT WALL OF THE PATIENT'S COMPARTMENT IS TO BE

**TECHNICIAN SEAT - FRONT**

PROVISION OF A TECHNICIAN SEAT AT THE FRONT OF THE

**TECHNICIAN SEAT-REAR**

PROVISION OF A TECHNICIAN SEAT AT THE FOOT OF THE

**INSIDE LIGHTING SYSTEM**

THE PATIENT'S COMPARTMENT ELECTRICAL SYSTEM IS TO BE

**IDENTIFICATION**

THE AMBULANCE IS TO BE IDENTIFIED AS FOLLOWS:-

IT IS TO BE PAINTED CLEAR WHITE

- FOR DECALS FOR THE WORD "AMBULANCE", AND A RED

**RESUSCITATION EQUIPMENT**

- TWO OXYGEN BOTTLES, EACH OF 500 LITTER CAPACITY

- TWO SPARE OXYGEN BOTTLES OF 500 LITTER CAPACITY IN  
 STOWAGE CABIN.

- ONE SET OF ENGLISH BULL NOSE VALVE YOKE, PRESSURE

- THREE OXYGEN MASKS, ONE FOR EACH ADULT CHILD AND  
 INFANT.

- THREE PLASTIC NASAL CANNULAS, TWO ADULT AND ONE CHILD.

- FOUR OXYGEN CATHETERS, TWO OF EACH NO.10F.

ONE MOUTH TO MOUTH VENTILATION MASK

CYLINDER KEY

OXYGEN FLOW METER /REGULATOR

HUMIDIFIER

**PORTABLE OXYGEN KIT**

ONE PORTABLE OXYGEN KIT COMPLETE WITH REGULATOR AND  
 SUPPLIES.

RESUSCITATOR COMPLETE WITH CYLINDER.

RESTRAINING STRAP FOR RESUSCITATOR.

**SUCTION SYSTEM**

ONE VACUUM APPARATUS INCLUDING AN ELECTRIC DRIVEN  
 PUMP with rechargable battery

**FIRST AID EQUIPMENT**



A BOX IS TO BE PROVIDED CONTAINING THE FOLLOWING:-  
TWENTY PRE- LOCALIZED PADS

TWELVE COMPRESSIVE BANDAGES

- FOUR 10CM ELASTIC STRIPS.
- SIX GAUZE BANDEAUS, THREE OF 75MM AND THREE OF 150MM.
- TWENTY GAUZE PADS 10CM BY 10CM, INDIVIDUALLY WRAPPED.
- TWO 5CM ANTI-ALLERGIC ROLLS OF ADHESIVE TAPE.
- FIFTEEN TONGUE DEPRESSORS INDIVIDUALLY WRAPPED.
- ONE 100 ML BOTTLE CONTAINING CHLOREXIDINE BASE

**AIR SPLINTS**

ONE SET OF AIR SPLINT FOR EACH OF THE UPPER AND lower

**STRETCHER**

WHEEL STRETCHER WITH ADJUSTABLE BACK AND FOOT RESTS  
WITH SIDE HANDLES, COMPLETE WITH MATTRESS AND COVER.

**SPARE STRETCHER**

FOLDING COLLAPSIBLE STRETCHER WITH SUPPORTING

**REAR BUMPER STEP**

A- REAR BUMPER STEP IS TO BE INSTALLED OVER THE REAR  
BUMPER.

**BOTTLE HOOKS**

BOTTLE HOOKS ARE TO BE INSTALLED ON THE ROOF TO HOLD

SPARE STRETCHER HOLDER

SPECIAL HOOKS ON WALL AND ROOF ARE TO BE PROVIDED TO  
HOLD SPARE STRETCHER WHEN REQUIRED.

EXHAUST-VENTILATOR FAN

ROOF MOUNTED DOUBLE ACTING EXH-VENT FAN IS TO BE  
INSTALLED.

REAR BUMPER STEP

A REAR BUMPER STEP IS TO BE INSTALLED OVER THE REAR  
BOTTLE HOOKS

BOTTLE HOOKS ARE TO BE INSTALLED ON THE ROOF TO HOLD

**ANTENNA**

INSTALLATION OF RADIO ANTENNA IN EACH AMBULANCE AT THE  
ROOF.

WIRELESS EQUIPMENT: EACH AMBULANCE EQUIPPED WITH

**SPECIFICATIONS FOR AMBULANCES**

BASIC VEHICLE

ENGINE: PETROL ENGINE WATER COOLED .

TRANSMISSION: MANUAL OR AUTOMATIC.

AXLE: SINGLE REAR OR FRONT WHEEL DRIVE.

STEERING :POWER STEERING LEFT HAND DRIVE.

SUSPENSION : HEAVY DUTY.

COOLING SYSTEM: HEAVY DUTY.

ELECTRICAL SYSTEM: 12 VOLTS WITH HEAVY DUTY ALTERNATOR

AIR CONDITIONING SYSTEM: AIR-CONDITIONER AND HEATER FOR

SIDE DOOR: SIDE DOOR AT THE RIGHT SIDE.

BACK DOORS: TWO PANEL DOORS OPENABLE TO THE SIDES.

INSTRUMENT PANEL: WITH METRIC GAUGES and ODOMETER.

MIRRORS: ONE INSIDE and TWO OUTSIDE REAR VIEW.

TIRES :HIGH QUALITY INCLUDING SPARE.

-WARNING EQUIPMENT: SIREN WITH SPEAKER AND BEACON OF

-ELECTRONIC SIREN WITH PUBLIC ADDRESS SYSTEM OF

BEACON : TWO REVOLVING DOME TYPE BEACONS LONGITUDINAL

-SPEAKER: 100 WATTS SPEAKER INSTALLED INSIDE ENGINE

-ACCESSORIES:

AUTO JACK WITH HANDLE and WHEEL WRENCH.

TOOL KIT BAG.

HAZARD WARNING TRIANGLE

FIRE EXTINGUISHER.

-MISCELLANEOUS: THE FOLLOWING IS TO BE SUBMITTED TWO

-WORKSHOP MANUALS (2 COPIES IN ENGLISH).

-SPARE PARTS CATALOGUES (2 COPIES IN ENGLISH).

-RECOMMENDED SPARE PARTS LIST (DETAILS OF THE LIST ARE  
FAST MOVING PARTS for EACH VEHICLE.

- TRAINING FOR 3 ENGINEERS.	
<b>optional equipments schedule ambulance</b>	
VACUUM MATTERS WITH CARRYING HANDLES.	
PUMP FOR VACUUM MATTRESS	
FOLDING STRETCHER	
INFLATABLE SPLINTS, SET OF 4 IN WALLET.	
ANALGESIC UNIT.	
NITRONOX CYLINDER (LIGHT WEIGHT)	
URINAL, MALE.	
URINAL, FEMALE.	
ORTHOPEDIC SCOOP STRETCHER	
BRACKETS FOR SCOOP STRETCHER.	
HEAPED AND HARDNESS SET FOR SCOOP STRETCHER.	
ASPIRATOR, MANUAL	
AMBULANCE CHAIR	
BRACKET FOR AMBULANCE CHAIR	
FIRST AID KIT COMPLETE WITH CASE.	
PENLIGHT	
BEDPAN	
ANEROID SPHYGMOMANOMETER	
STETHOSCOPE.	
OTOSCOPE.	
THOUGHT CUT SCISSORS.	
SEMI AUTOMATIC DEFIBRILLATOR /MONITOR	
SECURING DEVICE FOR DEFIBRILLATOR /MONITOR	
ARTERY FORCEPS (SPENCER WELLS)	
DISSECTING FORCEPS, PLAIN	
SCISSORS BANDAGE.	
THERMOMETER	
NON WOVEN ACRYLIC BLANKET 60"X80" APPROX.	
CELLAR BLANKET UNBLEACHED 60"X80" APPROX.	
FOAM PILLOW, PCV COVERED	
VACUUM FLASK STAINLESS STEEL 1 LITTER.	
RESTRAINING STRAP FOR VACUUM FLASKS	
OXYGEN CYLINDER, BULL NOSE (SIZE F)	
OXYGEN FACE MASK	
GREEN BUBBLE 30 FOOT ROLL	

02-06-00302	<p><b>ACCIDENT EMERGENCY AMBULANCE</b></p> <p>PARTITION BETWEEN DRIVER'S COMPARTMENT AND PATIENT'S COMPARTMENT FULL COVERAGE PANEL MADE OF STURDY MATERIAL (PRESS WOOD IS NOT TO BE USED) WITH SMOOTH SURFACE AT BOTH SIDE.</p> <p>PARTITION WINDOW</p> <p>LARGE, DOUBLE SLIDING SAFETY GLASS CENTRAL WINDOW DOUBLE SLIDING SAFETY GLASS WINDOW BEHIND DRIVER CABINET ITS HEIGHT HALF INSIDE HEIGHT OF ROOF HEIGHT.</p> <p>PATIENT'S COMPARTMENT</p> <p>THE PATIENT'S COMPARTMENT IS TO BE FULLY INSULATED.</p> <p>ROOF HEIGHT INSIDE HEIGHT NOT LESS THAN 1900MM WITHOUT THE FLOORING HIGH QUALITY FLOORING MATERIAL CEMENTED TO A SUITABLE</p>
-------------	--

MEDICINE CABINETS

THE LEFT WALL OF THE PATIENT'S COMPARTMENT IS TO BE

TECHNICIAN SEAT - FRONT

PROVISION OF A TECHNICIAN SEAT AT THE FRONT OF THE

TECHNICIAN SEAT-REAR

PROVISION OF A TECHNICIAN SEAT AT THE FOOT OF THE

INSIDE LIGHTING SYSTEM

THE PATIENT'S COMPARTMENT ELECTRICAL SYSTEM IS TO BE

IDENTIFICATION

THE AMBULANCE IS TO BE IDENTIFIED AS FOLLOWS:-

IT IS TO BE PAINTED CLEAR WHITE

- FOR DECALS FOR THE WORD "AMBULANCE", AND A RED

RESUSCITATION EQUIPMENT

- TWO OXYGEN BOTTLES, EACH OF 500 LITTER CAPACITY

- TWO SPARE OXYGEN BOTTLES OF 500 LITTER CAPACITY IN  
STOWAGE CABIN.

- ONE SET OF ENGLISH BULL NOSE VALVE YOKE, PRESSURE

- THREE OXYGEN MASKS, ONE FOR EACH ADULT CHILD AND  
INFANT.

- THREE PLASTIC NASAL CANNULAS, TWO ADULT AND ONE CHILD.

- FOUR OXYGEN CATHETERS, TWO OF EACH NO. 10F.  
ONE MOUTH TO MOUTH VENTILATION MASK

PORTABLE OXYGEN KIT

ONE PORTABLE OXYGEN KIT COMPETE WITH REGULATOR AND

SUCTION SYSTEM

ONE VACUUM APPARATUS INCLUDING AN ELECTRIC DRIVEN

FIRST AID EQUIPMENT

A BOX IS TO BE PROVIDED CONTAINING THE FOLLOWING:-

TWENTY PRE- LOCALIZED PADS

TWELVE COMPRESSIVE BANDAGES

- FOUR 10CM ELASTIC STRIPS.

- SIX GAUZE BANDEAUS, THREE OF 75MM AND THREE OF 150MM.

- TWENTY GAUZE PADS 10CM BY 10CM, INDIVIDUALLY WRAPPED.

- TWO 5CM ANTI-ALLERGIC ROLLS OF ADHESIVE TAPE.

FIFTEEN TONGUE DEPRESSORS INDIVIDUALLY WRAPPED.

- ONE 100 ML BOTTLE CONTAINING CHLOREXIDINE BASE  
DISINFECTANT.

AIR SPLINTS

ONE SET OF AIR SPLINT FOR EACH OF THE UPPER AND LIMBS.

STRETCHER

WHEEL STRETCHER WITH ADJUSTABLE BACK AND FOOT RESTS

SPARE STRETCHER

FOLDING COLLAPSIBLE STRETCHER WITH SUPPORTING

REAR BUMPER STEP

A- REAR BUMPER STEP IS TO BE INSTALLED OVER THE REAR

BOTTLE HOOKS

BOTTLE HOOKS ARE TO BE INSTALLED ON THE ROOF TO HOLD  
FLUID AND BLOOD TRANSFUSION BOTTLES.

SPARE STRETCHER HOLDER

SPECIAL HOOKS ON WALL AND ROOF ARE TO BE PROVIDED TO

EXHAUST-VENTILATOR FAN

ROOF MOUNTED DOUBLE ACTING EXH-VENT FAN IS TO BE

REAR BUMPER STEP

A REAR BUMPER STEP IS TO BE INSTALLED OVER THE REAR BUMPER.

BOTTLE HOOKS

BOTTLE HOOKS ARE TO BE INSTALLED ON THE ROOF TO HOLD FLUID AND BLOOD TRANSFUSION BOTTLES .

ANTENNA

INSTALLATION OF RADIO ANTENNA IN EACH AMBULANCE AT THE WIRELESS EQUIPMENT: EACH AMBULANCE EQUIPPED WITH SPECIFICATIONS FOR AMBULANCES

BASIC VEHICLE

ENGINE: PETROL ENGINE WATER COOLED .

TRANSMISSION: MANUAL OR AUTOMATIC.

AXLE: SINGLE REAR OR FRONT WHEEL DRIVE.

STEERING :POWER STEERING LEFT HAND DRIVE.

SUSPENSION : HEAVY DUTY.

COOLING SYSTEM: HEAVY DUTY.

ELECTRICAL SYSTEM: 12 VOLTS WITH HEAVY DUTY ALTERNATOR

AIR CONDITIONING SYSTEM: AIR-CONDITIONER AND HEATER FOR

SIDE DOOR: SLIDING SIDE DOOR AT THE RIGHT SIDE.

BACK DOORS: TWO PANEL DOORS OPERABLE TO THE SIDES.

INSTRUMENT PANEL: WITH METRIC GAUGES and ODOMETER.

MIRRORS: ONE INSIDE and TWO OUTSIDE REAR VIEW.

-TIRES : 5 WITH TUBES, INCLUDING SPARE.

-WARNING EQUIPMENT: SIREN WITH SPEAKER AND BEACON OF

-ELECTRONIC SIREN WITH PUBLIC ADDRESS SYSTEM OF

BEACON : TWO REVOLVING DOME TYPE BEACONS LONGITUDINAL

-SPEAKER: 100 WATTS SPEAKER INSTALLED INSIDE ENGINE

-ACCESSORIES:

AUTO JACK WITH HANDLE and WHEEL WRENCH.

TOOL KIT BAG.

HAZARD WARNING TRIANGLE

FIRE EXTINGUISHER.

-MISCELLANEOUS: THE FOLLOWING IS TO BE SUBMITTED TWO

-WORKSHOP MANUALS (2 COPIES IN ENGLISH).

-SPARE PARTS CATALOGUES (2 COPIES IN ENGLISH).

-RECOMMENDED SPARE PARTS LIST (DETAILS OF THE LIST ARE

FAST MOORING PARTS for EACH VEHICLE.

- ACCIDENT EMERGENCY TOOLS:

PREGNANCY

HOLDING CROWBAR

ELECTRICAL CUTTER

HYDRAULIC JACK WORK BY FOOT TO PULL MATERIAL PARTS.

AIR COMPRESSOR

HANDING CUTTER DIFFERENT SIZE

FIRE EXTINGUISHER (QTY 3)

TRANSMISSION TOOL (QTY 3)

- TRAINING FOR 3 ENGINEERS.

OPTIONAL EQUIPMENT'S SCHEDULE AMBULANCE

VACUUM MATTERS WITH CARRYING HANDLES.

PUMP FOR VACUUM MATTRESS

FOLDING STRETCHER

INFLATABLE SPLINTS, SET OF 4 IN WALLET.

ANALGESIC UNIT.

NITRONOX CYLINDER (LIGHT WEIGHT)

URINAL, MALE.

URINAL, FEMALE.

ORTHOPEDIC SCOOP STRETCHER

BRACKETS FOR SCOOP STRETCHER.

HEAPED AND HARDNESS SET FOR SCOOP STRETCHER.

RESUSCITATOR COMPLETE WITH CYLINDER.

RESTRAINING STRAP FOR RESUSCITATOR.

ASPIRATOR, MANUAL

AMBULANCE CHAIR

BRACKET FOR AMBULANCE CHAIR

FIRST AID KIT COMPLETE WITH CASE.	
PENLIGHT	
BEDPAN	
ANEROID SPHYGMOMANOMETER	
STETHOSCOPE.	
OTOSCOPE.	
THOUGHT CUT SCISSORS.	
SEMI AUTOMATIC DEFIBRILLATOR /MONITOR	
SECURING DEVICE FOR DEFIBRILLATOR /MONITOR	
ARTERY FORCEPS (SPENCER WELLS)	
DISSECTING FORCEPS, PLAIN	
SCISSORS BANDAGE.	
THERMOMETER	
NON WOVEN ACRYLIC BLANKET 60"X80" APPROX.	
CELLAR BLANKET UNBLEACHED 60"X80" APPROX.	
FOAM PILLOW, PCV COVERED	
VACUUM FLASK STAINLESS STEEL 1 LITTER.	
RESTRAINING STRAP FOR VACUUM FLASKS	
OXYGEN CYLINDER, BULL NOSE (SIZE F)	
CYLINDER KEY	
OXYGEN FLOW METER /REGULATOR	
HUMIDIFIER	
OXYGEN FACE MASK	
GREEN BUBBLE 30 FOOT ROLL	

02-06-00303

**c.c.u car**  
1-ENGINE : (6-8) CYLINDER

**PETROL ENGINE**  
water cooled  
capacity 250 hp and more

2-wheelbas :(3.5m)and mor

3-trans mission :- manual gear . Floor shift

4-four wheel elrive the real axle eguped in each side eludle wheel

5-steerine :-power steering left haned drive

6-brake :-druw brake in each wheel with hooster assist darking brake to be controlled by hand getting on the rear wheel

7-sus pension:- heavy duty (most leep spring in rear wheds

8-gauges :-all in meteoric system.

9-air eondition and heating to be supplied for driver and patient eabin.

10-electric equipment : heavy duty 12 v , 75 amp/h ( and mor for amper)

11-antenna:  
INSTALLATION OF RADIO ANTENNA IN EACH AMBULANCE AT THE

12 wireless equipment : each ambulance equipped with redio (wireless eomminincation elevied

13-load eapacity : the vehicle eam carry net weight not less tham 1000kg

14 siren and beacon : the car equipped beacon longitudinal in upper front of the car and equipped by device for communication

15-accessoribs: jack and fire extinguisher wheel wrench , tool leit and hazard traingel.

16-tires : high quality with tubes

eapadility of eonineeting refrigerator and enathe nesisery midical divise with external eleetrireal souree

18-refrigrator have stainless steel stead door (not dass)

19- recommendeel spare part for 5 years

20-trining for (3eng . And 5teen :- and one doctor)

21-maitenance for all vehicle for tow years including labor and spar part

22- doors : two doors for driver eabin side door at the right sid - for

two peuel doors openale to the sides - for payient cabin  
c.c.u car

- 1-car mounted ventelator
- 2-portable gas drive ventelator
- 3-o2 supply through good numbers of cylenders
- 4-ECG moniter with defedrilator
- 5-kit for first aide contains complete instrument for minor operation

sphegmamonter

STETHOSCOPE.  
MAYK OF 3 SIZE  
tubes . (end endothachal tubes size 7 mm . 8mm intiral aliauth

**larangoscope**  
ambu bags

6-wall mounted drugs store

- 7-hooks for fluids
- 8-pace maker + SPO2
- 9-electrical suker portaable with rechargable battry
- 10- 12 leads ECG.
- 11-wall mounted articalated light source
- 12-air conditioning and heating
- 13-refrigerator (small size)
- 14- o2 regulator with flowmeter and humidifier for o2 mask therapy
- 15- drugs nebulizer
- 16-rise roof 1900mm inside
- 17-stretcher spare

valing types  
folding types  
air stretcher  
18-saelser (portal)

02-06-00304

**mobile theatre**  
1-ENGINE : (6-8) CYLINDER

**PETROL ENGINE**  
water cooled  
capacity 250 hp and more

- 2-wheelbas :(3.5m)and mor
- 3-trans mission :- manual geer . Floor shift
- 4-four wheel elrive the real axle eguped in each side eloudle wheel
- 5-steerine :-power steering left haned drive
- 6-brake :-druw brake in each wheel with hooster assist darking brake to
- 7-sus pension:- heavy duty (most leep spring in rear wheds
- 8-gauges :-all in meteoric system.
- 9-air eondition and heating to be supplied for driver and patient eabin.
- 10-electric equipment : heavy duty 12 v , 75 amp/h ( and mor for amper)
- 11-antenna:  
**INSTALLATION OF RADIO ANTENNA IN EACH AMBULANCE AT THE ROOF.**
- 12 wireless equipment : each ambulance equipped with redio (wireless
- 13-load eapacity : the vehicle eam carry net weight not less tham 1000kg
- 14 siren and beacon : the car equipped beacon longitudinal in upper front
- 15-accessoribs: jack and fire extinguisher wheel wrench , tool leit and
- 16-tires : high quality with tubes
- 17- one generator to be ewilable to oberate continously for six hours and eapadility of eoneineeting refrigerator and enathe nesisery midical divise with external eleetrieal souree
- 18-refrigerator have stainless steel stead door (not dass)
- 19- recommendeel spare part for 5 years
- 20-trining for (3eng . And 5teen :- and one doctor)

21-maintenance for all vehicle for tow years including labor and spar part

22- doors : two doors for driver eabin side door at the right sid - for payient capin

**two peuel doors openale to the sides - for payient cabin**

1-rise roof more than 1900 mm in side

2-hydraulic streicher as atuble of theatre move for all the direction and shock absorber

3-additiral base for holding of the stretcher in the left side of the unit fixed

4-illumination inside the unit afixed sources of light use for the operation

5-equipment for oxygen supply with set for giving the o2 complete (5

6-2 electrical sucker portable with rechargable battery put in the right side

7-air conditioning and heating

8-3parts of hooks in the roof

9-store for drugs ewith basin

10-complete oxygen set

11-anasethetic machine complete holding

12-portable ventelator gas drine

13-intensive care unit monitor with DC shock

ECG + SPO2 +NIBA + pacemater

14- refrigerator for blood storge (medium size)

15- source for o2 ready for use in the roof at both sides of insid the unit

16- kit -set containing all instruments need for intensive care and

17-kit for portable o2 and complete additional parts for giving the o2

18-foot suckers

19-air splint for fructures upper and lower limbs 2 set for each

20-stretcher spare

1 ruling types

1 folding types

1 part scope stretcher

1 air stretcher

21-kit for first aide contains complete instrument for minor operation and

22-surgical cutterry

23- ultra violet light instrument for sterilization unit and any other thing for sterilizetion suitable in the unit

24-2 bottel of N2D fitting to the anaethetion machine

25 - o2 regulator with fitting to the anaesthetion machine

26- laryngeal mask (small - medium - large)

27-o2 reguylator with flow meter and humidifier for o2 mask therapy

**02-06-00305 EQUIPMENT: RADIO (WIRELESS) COMMUNICATION NET WORK**

CONSISTING OF THE FOLLOWING:-

- ALL NETWORK SYSTEM OPERATE IN FREQUENCY (420 MHZ-

NETWORK SYSTEM OPERATE WITH CODING - DECODING DEVICE

- ALL NECESSARY ANTENNA FOR THE FOLLOWING STATIONS

CENTRAL STATION WITH DESK CONTROL AND UPS FOR 6 HOURS OPERATION:

- TO OPERATE ALL CHANNELS FROM ANY DESK.

- DISPLAY FOR CODING AND DECODING SYSTEM

- DIGITAL CLOCK

- LAMPS FOR RECEIVING, TRANSMITTING AND STAND BY.

- SEMI-DUPLEX OPERATION (PUSH TO TRANSMIT)

- RF OUTPUT POWER SUFFICIENT TO COVER AN AREA 100 KM

FIXED STATION (8 CHANNELS):

- TO COMMENCE WITH CENTRAL STATIONS AND OTHER FIXED

- RF OUT PUT POWER NOT LESS THAN (10 RF WATTS)

	<p>- UPS FOR 6 HOURS OPERATION - EXTRA LAUD SPEAKER.</p>	
	<p>MOBILE STATIONS</p> <p>(AS FIXED STATION ABOVE) EXCEPT UPS</p>	
	<p>HANDY STATION (WALK TALKY) TO COMMENCE WITH CENTRAL STATION and ALL OTHER</p>	
	<p>RECORDER SYSTEM - FOR RECORDING ALL MESSAGES DURING 24 HR. - ALL OPTIONS FOR ABOVE ITEMS - INSTALL ALL SYSTEM BY THE SUPPLIER</p>	
	<p>2 YEARS WARRANTY (SPARE + MEN POWER) 3 YEARS MAINTENANCE MEN POWER ONLY TRAINING FOR 4</p> <p>* SPARE PARTS LIST WITH ITEM PRICE * FULL CATALOGS (OPERATING AND MAINTENANCE WITH CIRCUIT</p>	
02-06-00306	<p><b>EQUIPMENT:</b> <b>WHEEL LOADER (1-2M3) BUCKET</b> DRIVER CABINS: FOLDING DOOR, THE LOCKING IS ASSURED ON ENGINE: DIESEL ENGINE WATER-COOLED GEAR BOX: INTEGRAL POWER SHIFT. MOVING SPEEDS: SPEEDS IN KM/H ELECTRIC EQUIPMENT: 24 VOLT 120 AMP AXLES: FOUR WHEEL DRIVE: FRONT AXLE AND REVERSE AXLE TIRES: HIGH QUALITY</p> <p>BRAKES: HYDRAULIC SERVO BRAKES</p> <p>PARKING BRAKES: DRUMS ON THE GEAR BOX.</p> <p>STEERING: STEERING TOTALLY HYDRAULIC WITH CLOSED NEUTRAL POSITION.</p> <p>HYDRAULICS: HYDRAULIC OPERATING WITH A DRIVE GEAR.</p>	
02-06-00307	<p><b>EQUIPMENT:</b> <b>ELEVATING WORK PLAT FORM ON TRUCK</b> BASIC VEHICLE: 1.ENGINE: DIESEL ENGINE WATER COOLED 2.TRANSMISSION: MANUAL FLOOR SHIFT</p> <p>3.CLUTCH: HYDRAULIC CONTROL SINGLE DRY PLATE WITH AIR PRESSURE ASSISTANCE</p> <p>4.SUSPENSIONS: FRONT: LAMINATED LEAF SPRINGS WITH SHOCK ABSORBERS: REAR: FRONT: LAMINATED LEAF SPRINGS WITH SHOCK ABSORBERS</p> <p>5.SUFFICIENT TO CONTROL THE VEHICLES IN THE PARKING</p> <p>6.ELECTRICAL SYSTEM: 24V 120AMP 7.INSTRUMENT PANEL: ALL MEASUREMENTS AND GAUGES IN</p> <p>8.FRAME: PARALLEL, TAPERED CHANNEL SECTION TYPE WITH CROSS MEMBERS AND REINFORCEMENTS</p> <p>9.STEERING: LEFT HAND DRIVE, (BALL NUT TUBE, INTEGRAL TYPE) WITH HYDRAULIC POWER BOOSTER FLOOR SHIFT HANDLE</p> <p>10.TIRES:HIGH QUALITY FRONT WHEELS: SINGLE IN EACH SIDE</p> <p>11. DRIVERS CABIN: ONE AND HALF CABIN SUPPLIED WITH AIR- CONDITIONING SYSTEM (COOLING, HEATING AND VENTILATION)</p> <p>12. EQUIPMENT'S: THE VEHICLES (TRUCKS) IT PROVIDES WITH ALL ACCESSORIES THAT ARE CONCERNING WITH WORK OF THE TRUCK</p> <p>13- EQUIPPED WITH FIBER GLASS CABINET, CAPACITY LOADING</p>	
02-06-00308	<p><b>TOWING TRUCK:</b></p>	



SPECIFICATIONS FOR TOWING TRUCK:

A. BASIC VEHICLE:

1. ENGINE: PETROL ENGINE, WATER COOLED
2. TRANSMISSION: MANUAL FLOOR SHIFT AND ONE REAR SPEED.
3. DRIVE: 4 WHEEL DRIVE
4. STEERING: LEFT HAND DRIVE, (POWER STEERING).
5. SUSPENSION: HEAVY DUTY.
6. MIRRORS: ONE INSIDE AND TWO OUTSIDES SUITABLE FOR DRIVING THE VEHICLE.
7. BATTERY: (12 VOLT – 60 A.H) HEAVY DUTY.
8. TIRES: SEVEN TIRES WITH TUBES INCLUDING SPARE OF GOOD QUALITY.
9. CARBURETOR: SINGLE MANUAL CHOCK.

B. TOWING DEVICE:

1. BASIC RATING: 5 TONS
2. BOOM RATING:  
FULLY RETRACTED (5 TONS)  
FULLY EXTENDED.
3. WINCH RATING.

FIRST LAYER OF CABLE (5 TONS)  
FOURTH LAYER OF CABLE (3 TONS)

4. LOAD CABLE:  
TYPE 6 X 19 CLASS FIBER CORE IMPROVED PLOW STEEL.  
DIAMETER AND STANDARD LENGTH (3/8 INCH X 10 FT),

WORKING LIMIT – SINGLE LINE (1 ½ TON) OR 3500 IBS).

NOTE –1- THE TOWING DEVICE SHOULD BE OPERATE BY BOTH HAND IN EITHER WAY WE CAN USE IT BY ELECTRICAL WAY OR DRIVEN BY ELECTRICAL MOTOR DEPENDING ON THE ELECTRIC POWER OF THE VEHICLE.

TOOLS NECESSARY FOR TOWING AND DRAWING AND LIFTING

C. ACCESSORIES:

1. THE VEHICLE SHOULD PROVIDE WITH AUTO JACK AND FIRE EXTINGUISHER.
2. BOOKLET OF OWNER'S MANUAL (ENGLISH COPY).

02-06-00309

**EQUIPMENT:**

**MOBILE CRANE**

MOBILE CRANE, TELESCOPIC, FULLY HYDRAULIC, (20-30) TONS  
CARRIER PART:  
ENGINE: DIESEL, WATER-COOLED, COMPLETE WITH  
TRANSMISSION: GEAR BOX, POWER SHIFT  
TIERS: HIGH QUALITY  
STEERING: HYDRAULIC SERVO- STEERING  
BRAKES: SERVICE BRAKE: SERVO- BRAKE WITH COMPRESSED  
DRIVER CABIN: MADE OF PLATE-STEEL RUBBER SUSPENSION,  
ELECTRIC EQUIPMENT: 24 VOLTS, 120 AMP.  
ROTATING PART:  
ENGINE DIESEL WATER-COOLED.  
CONTROLS BY HAND LEVERS AUTO-CENTERED DISTRIBUTORS.  
CABIN: ALL STEEL. GLASS SECURITY WINDOWS, HEATING AND

	ELECTRIC EQUIPMENT: 24 VOLTS, 120 AMP.	
02-06-00310	<p><b>EXCAVATOR, SMALL SIZE</b></p> <p>AN OPEN POSITION. GLASS MADE OF SECURITY TYPE, THE SUSPENSION REDUCES SOUND VIBRATION. SIZE, DIESEL ENGINE, WATER-COOLED. FIELD TRUCK SUITABLE TIERS: HIGH QUALITY ELECTRIC EQUIPMENT: 24 VOLTS, 120 AMP.</p>	
02-06-00311	<p><b>MOBILE DEAD BODY</b></p> <p>SPECIFICATION FOR MOBILE DEAD BODY CARRIER BASIC</p> <p>1- ENGINE: PETROL ENGINE WATER COOLED</p> <p>2- TRANSMISSION: MANUAL GEAR BOX – FLOOR SHIFT</p> <p>4- BRAKE: DUAL- CIRCUIT HYDRAULIC BRAKE WITH VACUUM</p> <p>5- STEERING: POWER STEERING LEFT HAND DRIVE</p> <p>6- FUEL TANK: 80 LITTER</p> <p>7- BATTERY: 12 VOLT/ 75 AH</p> <p>ALTERNATOR: 14V/90A STATOR: 1.2KW</p> <p>8- TIRES: HEAVY DUTY WITH TUBES</p> <p>9- AIR CONDITION AND HEATING FOR DRIVER CABIN</p> <p>10- ALL GANGES IN METRIC SYSTEM</p> <p>11- PAINT: BLACK</p> <p>12- ANTENNA INSTALLATION OF RADIO ANTENNA IN EACH AMBULANCE AT THE WIRELESS EQUIPMENT: EACH AMBULANCE EQUIPPED WITH B- DEAD BODIES COMPARTMENTS TO BE COOLED BY A SUITABLE</p> <p>LOADING DOOR: TWO REAR OPERABLE TO THE SIDE OR ONE RIG. FIXED STRETCHER TO BE FITTED IN A SUITABLE PLACE INSIDE THE VEHICLE WITH AN ADDITIONAL MOBILE STRETCHER. EXTINGUISHER REPAIR TOOL KIT OWNERS MANUAL (ENGLISH COPY)</p>	
02-06-00312	<p><b>VEHICLE PICK-UP SINGLE CABIN</b></p> <p>1. PETROL ENGINE WATER COOLED</p> <p>2. MANUAL GEAR BOX, FLOOR SHIFT</p> <p>3. STEERING POWER STEERING LEFT HAND DRIVE</p> <p>4.ELECTRICAL EQUIPMENT'S: BATTERY 12V-60AMP HEAVY DUTY</p> <p>5.AIR-CONDITIONING FOR DRIVER CABIN (HEATING AND</p> <p>6. SUSPENSION: HEAVY DUTY</p> <p>7. TIRES WITH TUBES: SUITABLE FOR DIFFERENT ROADS (HIGH QUALITY)</p> <p>8. CABIN: SINGLE CABIN WITH DOOR IN EACH SIDE.</p> <p>9. MIRRORS: TO BE EQUIPPED WITH TWO SIDES MIRRORS AND</p> <p>10.ACCESSARIES: TO BE EQUIPPED WITH JACK + WHEEL WRENCH</p> <p>11.LOADING CAPACITY: FROM (1-2)TONS</p> <p>12.ALL MATERIALS INSERTED IN THE CONSTRUCTION OF THIS</p> <p>13.MAINTEMANCE FOR ALL VEHICLES FOR TWO YEARS ON</p>	
02-06-00313	<p><b>LAND CRUISER 4 WHEEL DRIVER</b></p> <p>1.PETROL ENGINE: ENGINE WATER COOLED</p> <p>2.MANUAL GEAR BOX, FLOOR SHIFT</p> <p>3.STEERING: POWER STEERING LEFT HAND DRIVE</p> <p>4.ELECTRICAL EQUIPMENT'S: BATTERY 12V, 60AMP, HEAVY DUTY</p>	

	<p>5. AIR-CONDITIONING: TO BE EQUIPPED WITH EFFICIENT AIR-  6.SUSPENTION: HEAVY DUTY  7.TIRES WITH TYPES SUITABLE FOR DIFFERENT ROADS (HIGH  8. DOORS: TWO DOORS IN EACH SIDE OF THE VEHICLE WITH  9. MIRRORS: TO BE EQUIPPED WITH 2 SIDES MIRRORS AND ONE  WRENCH AND HAZARD TRIANGLE AND ANY EQUIPMENT  11. MAINTENANCE FOR ALL VEHICLES FOR 2 YEARS ON A COUNT</p>	
02-06-00314	<p><b>HANDLING TRUCKS</b>  FOR BOXES CASE (UP TO 300KG) WITH TOE EXTENDED (FOLD UP)</p>	
02-06-00315	<p><b>LIGHT ALLOY TROLLEYS</b>  ALUMINUM SLATS INSERTED IN A BOLTED, REIN FORCED FRAME  AND CASTORS (2 FIXED AND 2 SWIVEL)</p>	
02-06-00316	<p><b>HAND PALLET TRUCKS</b>  CAPACITY UP TO 3000 KG  LIFTING: HYDRAULIC CONTROLLED BY HANDLE, RISE 120MM  CONTROL HANDLE: RETURNS AUTOMATICALLY TO UPRIGHT  3 POSITION CONTROL HANDLE (RAISE, NEUTRAL, LOWER)  WHEELS 200MM STEERING WHEELS AND SIMPLE 85MM NYLON</p>	
02-06-00317	<p><b>MOBILE LADDERS AND PLAT FORMS</b>  in ALUMINUM TREADS in NON SLIP STUDDED SURFACE  - PLATFORM IN ALUMINUM ALLOY, WITH NON SLIP STUDDED  - MAXIM PLAT FORM HEIGHT (3.5 METER)  - BASE FITTING FRONT 100MM <math>\phi</math> SWIVEL CASTORS WITHOUT</p>	
02-06-00318	<p><b>TELESCOPIC ELEVATING WORK PLATE FORMS</b>  - CAPACITY 360 KG FOLDED UP ALUMINUM ALLOY CONSTRUCTION  - OPERATION: A HYDRAULIC SET INSTALLED AT THE BASE OF THE  - POWER SUPPLY 220V AC AND 12V DC (OPTION)  - PLATE FORM DIMENSIONS 240 X 70 CM.</p>	
02-06-00319	<p><b>HIGH LIFT HAND PALLET TRUCKS 1000KG CAPACITY</b>  - FORK WIDTH 520 MM  MANUAL LIFT (HYDRAULIC)  - TO LIFT LOAD FROM 83 MM TO 830 MM (OR HIGHER)  LIFTING CONTROL: VIA PEDAL  LOWERING CONTROL: VIA HANDLE</p>	
02-06-00320	<p><b>NICKEL – CADMIUM ACCUMULATORS (BATTERIES)</b>  6 VOLT, 6 AH</p>	
02-06-00321	<p><b>EQUIPMENT: CLOCK</b>  GROGY TIMING OLD MODEL GT1/60C1  1- CENTRAL CLOCK SYSTEM  2- SINGLE FACE SLAVE CLOCK  3- DOUBLE FACE SLAVE CLOCK  4- SPARE PART FOR 5-YEARS  5- COMPLETE CATALOGUES SET  6-installation of one system on site  7-guarrantee one year after installtion and operation  8-trining two-site eginer for two week at least on factory</p>	
02-06-00322	<p><b>SPECIFICATION OF AIRCONDITIONING</b></p> <p><b>WARE HOUSE (COLD STORE FOR DRUGS)</b>  FIRST :  Supply and eraction (40) prefabricated air conditioning warehouse with  a- storing at temp 16-20 C  APPROXIMATE BUILDING DIMENTION:  100 m length  32 m width  8.3 m hight  b- storing at temp 16-20 C  APPROXIMATE BUILDING DIMENTION:  57 m length  20 m width  7 m hight  c- storing at temp 15-20 C  APPROXIMATE BUILDING DIMENTION:  25 m length  15 m width  5 m hight  3- frame work and roofing</p>	

	<p>a- main frames : the main frams will consist of hot rolled steel column ,</p> <p>b- purlins and side rails: purlins and side rails will be cold rolled pre</p> <p>c- ancillary steel work: the steel fram will be supplied with all necessary</p> <p>d-roofing:- single galvanised steel sheet 0.6 mm thick 45/250 profile poly</p> <p>e- servic preparation and treatment : all steel work will be sheet blasted</p> <p>4-CEILING AND SIDE WALL CLADDING:</p> <p>a- insolated sandwich steel panel external and internal face 0.6 mm</p> <p>d- doors : each store has 4 no. ( 3500mm X 4500 mm) manually operated</p> <p>e- an inter area 25X8 m in the front and back side of the store to keep the</p> <p>f-an office 4000mmX4000mmX2800mm inside each store from sandwich</p> <p>5- cold stor ( one pore each stor ) 200 m3 capacity prefabricated insulated</p> <p>6-AIR CONDITIONING INSTALLATION :</p> <p>SUPPLY AND INSTALLEDAIR COOLED PACKAGED WATER</p> <p>7- electrical installation :</p> <p>a- transformer with suitable capacity and all high tension equipment and</p> <p>b- main switch boardse and distribution boards mounted out side the</p> <p>c- cabling / sub - circuits wiring</p> <p>d- lighting : provided from floresent fitting (double flouresent ) 20 w/m2</p> <p>8-fire alarm system : acomplete fire alarm system comprising break glass</p> <p>9-fire fitting system ( automatic sprinkler system) design manufacture</p> <p>a- all pipe work fittings hangers and sprinkler heads</p> <p>b- all necessary installation controlling valve</p> <p>c-two automatic fire pumps ( one electrical and the others is diesl with all</p> <p>d- water storage tank enough for one hour made from galvamised steel</p> <p>e- joky pump</p> <p>10- storage racking : storage racking type narrow aisel racking from</p> <p>11- frok lift truck:</p> <p>a-two frok lift per stor.for the racking rider electric reach truck which capacity 1350 KG lifting height 7000mm</p> <p>b-two frok lift per stor / for loading and unloading from the truck</p> <p>12-generator one generator for</p> <p>13-one electronic.digital (PABX),6 trunk,64 extension with all necessary</p> <p>SECOND: general condition</p> <p>1-the offer should include work shope drawing for foundation and</p> <p>2-one year waramty 1 spare parts and labour.</p> <p>3-one year mainten ance labour only</p> <p>4-foundation will be don by the eliemnt according to your design and</p> <p>5-stor building to risut 140KM/Hr</p> <p>6-supply quick moving spare part list enough for five yeas</p> <p>7-the company shoulds submit training course for 6 technicians for three weeks and am invitation for 4 engineers for observation for two weeks</p>	
02-06-00323	<p><b>Telephone exchange system</b> Capacity :1000 line 10% of lines for special</p>	
02-06-00324	<p><b>Packaged unit air-conditioning 12 ton for lift room</b></p>	
02-06-00325	<p><b>Equipment: Multimedia projector</b> minimum specification</p> <ul style="list-style-type: none"> <li>- 650 ANSI Lumens</li> <li>- SVGA (800X600) on – screen resolution</li> <li>- Portable 8.2 Kg</li> <li>- 4on- screen presentation tools</li> <li>- full remote control with “ virtual mouse “</li> <li>- screen image size (diagonal) : 53 CM to 762CM</li> <li>- four in put channels for computer and video signals</li> <li>- built-in speakers and audio in puts for external connection</li> </ul>	
02-06-00326	<p><b>Equipment : Scanner</b></p> <ul style="list-style-type: none"> <li>-push – button scanning</li> <li>- full 36 – bit cooler depth ( in put and out put)</li> <li>- solid steel chassis</li> <li>- fast single – pass scanning</li> </ul>	

	<ul style="list-style-type: none"> <li>- quick easy – to – install enhanced parallel ( EPP) inter face ( no. SCSI card necessary )</li> <li>- 600 X 1200 DPI optical resolution</li> <li>- 9600X9600 DPI enhanced resolution</li> <li>- Arabic and English OCR +caress Omni page softwares</li> </ul>	
<b>02-06-00327</b>	<b>Equipment : notebook</b> <ul style="list-style-type: none"> <li>- intel pentium II 300 MHZ with MMX TECHNOLOGY</li> <li>- Intel mobil module (IMM) architecture</li> <li>- 128 Mb EDO DRAM</li> <li>- 512 KB secondary cache</li> <li>- 9GB HDD</li> <li>- 1.44 Mb modular floppy drive</li> <li>- 24X CD- ROM ( optional DVD- ROM drive )</li> <li>- 13.3" TFT screen / XGA screen</li> <li>- integrated 16-bit stereo sound system</li> <li>- NTSC/PAL TV out and s-video out</li> <li>- S3 Virge MX/ 4Mb (videschip/RAM)</li> <li>- PCMCIA 56K integrated fax modem</li> <li>- 232-bit card, 1zoomed vides (PC card slot)</li> <li>- (Battery/life) lithium ion/2.9 hours</li> <li>- (Dimensions/ Travel weight) 2.1x12x9.5"/8.6 pounds</li> <li>- USB and fast IR ports</li> <li>- Integrated personal touch pad</li> <li>- 2 extra Battery and charger for each Unit</li> <li>- VDC connecter</li> </ul>	
<b>02-06-00328</b>	<b>EQUIPMENT:ROOF</b> <ul style="list-style-type: none"> <li>- U Value Kcal/m2 hc: 0.55-0.74</li> <li>- Weight/Kg/m2: 12.51</li> <li>- Length/m: 6-9</li> <li>- External face 0.63mn galvanised steel sheet 0.45mm profile coated with</li> </ul>	
<b>02-06-00329</b>	<b>EQUIPMENT:WALLS</b> <ul style="list-style-type: none"> <li>- U Value Kcal/m2hc: 0.55-0.74</li> <li>- Weight/Kg/m2: 12.51</li> <li>- Length/m: 6-9</li> <li>- External and Internal face 0.63mm galvanised steel sheet with 4mm</li> </ul>	
<b>02-06-00330</b>	<b>Offset machine four colors size 72x102cm</b>	
<b>02-06-00331</b>	<b>Offset machine . four colors size 52x74cm with numbering system</b>	
<b>02-06-00332</b>	<b>Offset machine size 36x52cm four colors with numbering system</b>	
<b>02-06-00333</b>	<b>Camera photo for off set with drum scanning and all accesries</b>	
<b>02-06-00334</b>	<b>Device Contact size :100 X 150</b>	
<b>02-06-00335</b>	<b>Stitching machine with four heads four size 20x25mm</b>	
<b>02-06-00336</b>	<b>Machine of tying string</b>	
<b>02-06-00337</b>	<b>Collection machine for all sizes</b>	
<b>02-06-00338</b>	<b>High speed paper cutter (width 115cm) with ten knives as spare</b>	
<b>02-06-00339</b>	<b>Inking operator for GTO machine size . 32 X 46 cm</b>	
<b>02-06-00340</b>	<b>Inking operator for GTO machine size : 35 X 52 cm</b>	
<b>02-06-00341</b>	<b>Numbering box letter press for 6 numbers back down</b>	
<b>02-06-00342</b>	<b>FILM ARTS GRAPHICS BLACK &amp; WHITE</b>	
	Size : 50 X 60 cm	
	100X70 CM	
	40 X 60 cm	
<b>02-06-00343</b>	<b>Set . of light notes to dark notes that Return to picture .</b>	
<b>02-06-00344</b>	<b>plate pressing size : 102X71 cm</b> 52X74 cm 32X 46 cm	
<b>02-06-00345</b>	<b>Blanket size : 102X71 cm</b> 50X74CM 32X52 cm 32X46 cm	
<b>02-06-00346</b>	<b>Under blanket size: 102X71 cm</b> 52X74CM	

	32X52 cm 32X46 cm	
02-06-00347	Developer plate A & B	
02-06-00348	Correction	
02-06-00349	Fixer	
02-06-00350	Ster lon sheet 100X70 cm	
02-06-00351	Steel core for switching machine 22\19& 21\19 copper core for switching machine 22\19& 21\19	
02-06-00352	Cart bort 100 X70 cm , 240 g\m□ Cart bort 100 X70 cm , 240 g\m□ Cart bort 100 X70 cm , 240 g\m□ Cart bort 100 X70 cm , 240 g\m□	
02-06-00353	Cart bort 100 X 70 cm ,200 g\m□ Cart bort 100 X 70 cm ,200 g\m□ Cart bort 100 X 70 cm ,200 g\m□ Cart bort 100 X 70 cm ,200 g\m□	
02-06-00354	Cart bort 100 X70 cm ,180 g\m□ Cart bort 100 X70 cm ,180 g\m□ Cart bort 100 X70 cm ,180 g\m□ Cart bort 100 X70 cm ,180 g\m□	
02-06-00355	Paper 100 X 70 cm , 80 gm ,  Paper 100 X 70 cm , 70 gm ,  Paper 100 X 70 cm , 60 gm ,	
02-06-00356	Inking off set	
02-06-00357	Inking letter	
02-06-00358	Carbon papers 100X70 cm  Carbon papers 100X70 cm  Carbon papers 100X70 cm	
02-06-00359	<b>EQUIPMENT: SUB – STATION</b> SITE:SADDAM MEDICAL CITY <b>STEPDOWN TRANSFORMER DELTA/ STAR 11000/400VOLT,</b> 115 C RISE ABOVE 50 C AMBIANT , CAPABLE OF CARRYING 15%	
02-06-00360	3 TRANSFORMERS ; ONE SWITCHGEAR FOR EACH AND A MAIN INCOMMING FEEDER THE H.V SWITCHGEAR SHALL BE HORIZONTAL DRAW OUT C.B DESIGNED MANUFACTURED AND TESTED ACCORDING TO THE BS	
02-06-00361	MEDIUM VOLTAGE SWITCH BORD MAIN AND TIE CB, SHALL THE MAIN AND TIE CB'S SHALL BE THE FUSED DRAWOUT TYPE,	
02-06-00362	<b>BUSWAYS 5000 AMP. RATING</b> PROVIDE TOTALLY INCLOSED WEATHER PROOF LOW IMPEDANCE BUSWAY SHALL BE 220/380 V , 3 PHASE ,4 WIRE , 50 Hz . BUSBARS SHALL BE COPPER FABRICATED FROM 98%	
02-06-00363	<b>Field car ( 4WD a/c model 99 )</b> LAND CRUISER 4 WHEEL DRIVER 1.PETROL ENGINE: ENGINE WATER COOLED 2.MANUAL GEAR BOX, FLOOR SHIFT 3.STEERING: POWER STEERING LEFT HAND DRIVE 4.ELECTRICAL EQUIPMENT'S: BATTERY 12V, 60AMP, HEAVY DUTY 5. AIR-CONDITIONING: TO BE EQUIPPED WITH EFFICIENT AIR- 6.SUSPENTION: HEAVY DUTY 7.TIRES WITH TYPES SUITABLE FOR DIFFERENT ROADS ( HIGH 8. DOORS: TWO DOORS IN EACH SIDE OF THE VEHICLE WITH 9. MIRRORS: TO BE EQUIPPED WITH 2 SIDES MIRRORS AND ONE 10. ACCESSORIES: TO BE EQUIPPED WITH JACK + WHEEL 11. MAINTENANCE FOR ALL VEHICLES FOR 2 YEARS ON A COUNT	

02-06-00364	Photo copy machine	
02-06-00365	Overhead projector , LAMP 650 W , 25 □ 25 cm	
02-06-00366	Television ( 39 inch )	
02-06-00367	Video camera ( VHS ) with accessories	
02-06-00368	Double- cassette recorder with amplifier	
02-06-00369	Video ( VHS ) with accessories	
02-06-00370	Photo Camera	
02-06-00371	Slide projector with all accessories	
02-06-00372	Assembly of video – tape equipment ( for recording , play – back &	
02-06-00373	<b>Pentium II -450 MH3w/cache</b> 128-MB RAM 6-MB HDD 1.44-MB FDD 40-X CD Drive Multimedia KIT -8 MB VRAM -A/E 104 Keys Keyboard MS mouse + Pad -Power Supply + Case+ Dust Covers -15n Monitor SVGA *HP Laser jet 1100 Printer Extra Tones 10 foe each Printer HP 6P Laserjet printer( 2 only )	
02-06-00374	<b>passenger bus for transportation of wheel chair patient</b>  capacity :- 6-10wheel chair aotomatie door with hydrolic lifter for wheel chair diesel engine ,air condition ,tow ordinary seats and flat floor	
02-06-00375	<b>VACUM AIR</b>	
02-06-00376	<b>Telephone exchange system</b>  2 out line x 20 in line	
02-06-00377	<b>EQUIPMENT: Generator (1000KVA )</b> Generator (250KVA) 1500 KVA 750 KVA 550 KVA 150KVA 55 KVA Fully automatic mains failure diesel generator sets suitable for operation Prime power : (1500,750,550,55) KVA Nominal voltage : 400V Nominal frequency : 50 HZ Speed : 1500 rpm Power factor : 0.8 Voltage variation : static + _ 1-1.5 % Alternator connection star with neutral Insulation class F rotor and stator temperature rise class F rotor and stator - harmonic distortion factor < 3.5 %  - construction B3/B5 - radio interference class N - tropical insulation -long life bearings Damper winding for parlor operation 100% unbalanced Load Ambient temp. 0-60 C , humidity 95% Fuel tank 10 hours at full load operation Starting battery capacity 240 (1500,750,550)KVA, 12V 120 AH for 55KVA  Time delay on starting 0-60 second On release 0-15 minutes	

	<p>Over load operation 10% for one hour The diesel engine, (know manufacturing origin ,first oil filling , water</p> <p>The set engine and alternator and control panel is equipped with all accessories needed for sensing indicating warning metering protecting and supervision the flowing:</p> <ol style="list-style-type: none"> <li>1- starting failure</li> <li>2- over and under voltage</li> <li>3- over and under speed</li> <li>4- Oilpressure and temp.</li> <li>5- low fuel level</li> <li>6- Water pressure and temp.</li> <li>7- phase failure and sequence</li> <li>8- Over load and short circuit.</li> <li>9- battery failure</li> <li>10- lubrication system failure</li> <li>11- cooling and pre-heating system failure</li> <li>12- fuel injection system failure</li> <li>13- Alternator winding and bearing temp.</li> <li>14- alternator over current</li> </ol> <p>And also the control panel should contain the followings :</p> <ol style="list-style-type: none"> <li>1- pair of change over contractors mechanically &amp; electrically interlocked</li> <li>2- circuit breaker fitted with thermal overload trips &amp; magnetic short</li> <li>3- automatic battery charger device 220/24 volt with voltmeter &amp; ampere</li> <li>4- manually operated change - over switch to connect load directly to</li> <li>5- time delay to isolate load from generator &amp; connecting it to the main</li> </ol> <p>And also ) Electric lighting must be sufficient inside the container at least</p> <p>The offer including :</p> <ol style="list-style-type: none"> <li>1- installation the gensets on sites</li> <li>2- spare part for 5-years</li> <li>3- warranty period of tow years after operation at site</li> <li>4- three years maintenance after period of warranty</li> <li>5- training course on factory</li> <li>6- complete standard set of tools and measuring equipment for each set</li> <li>7- complete set of mantas and diagram for each set</li> </ol>	
02-06-00378	<b>Electric drill</b>	
02-06-00379	<b>Dishes washing machine</b>	
02-06-00380	<b>Ampoule sealing machine with accessories</b>	
02-06-00381	<b>Cold room</b> 35C 9.5M3	
02-06-00382	<b>Cold room</b> +2/+6 C 7.2M3	
02-06-00383	<b>Security system</b>	
02-06-00384	<b>Specific printer for bar</b>	
02-06-00385	<b>Lab refrigerators</b>	
02-06-00386	<b>Vacuum</b>	
02-06-00387	<p><b>VEHICLE</b></p> <p><b>Mechanical Specification Fire Fighting ( Water + Foam Vehicle )</b></p> <p><b>1. The Cabin :</b></p> <p>A: Left hand drive with power steering B: Six seat including the driver ( double cabin ) .</p> <p>C: Anti corrosion made cabin . D: Provided with unbreakable glass.</p> <p>E: The Cabin provided with hydraulic &amp; manual system for rising F: red paint .</p> <p><b>2. The Engine :</b></p> <p>A: Working by fuel ( Diesel ) in line . B: Provided with perfect water cooling system for the engine of the vehical C: The horse power not less than ( 300 ) with one axle .</p> <p><b>3. The pump unit :</b></p> <p>A: Type – centrifugal combined for normal &amp; high pressure with four</p>	



B: Material – anti corrosion –impellers , suction inlet , discharge outlet , pump shaft made of stainless steel .  
 C: Power take off : with gear , oiling system , mechanical pneumatic  
 D: Pump outlet not less than 3000 liter / min at (8-10) bar .  
 E: Provided with automatic outlet air system .  
 F: Provided with one suction system in each side within (4) inch diameter ( English tee ) with cover strainer .  
 G: Provided with four outlet 2,5 inch ( Tow in each side or in the rare )  
 H: Provided with all gauge for pressure & speed pump .  
**4. Water Foam Tank :**  
 A: 7000-7500 liter water + at least ( 500 – 1000 ) liter foam .  
 B: Water & Foam tank made from suitable material unit corrosion can  
 Along time not less than 10 years .  
 C: A Tank fill line 2.5 inch instantaneous coupling .  
**5.Petrol tank :**  
 200-300 liter gasoline .  
**6. Electric system :**  
 A: 2 Batteries 12V . ( 135- 165 A)  
 B: All electrical system made from good insulated material .  
 C: Provided with two head lights & two back lights .  
 D: Provided with front vogue & side light .  
**7. Additional fire equipment :**  
 A: Monitor for water on top of the vehical could be rotated 360 . the monitor Nozzle is provided with a 2000 L / min .  
 B: 1100/ 20 or 1200/20 tire size ..  
 C: (1) Project or ( search ) light  
 D: (1) electronic horn with loud – speaker  
 E: (1) Warning light .  
 F: 4 Section pipe (4) inch diameter , 2.5 meter length each completed with  
 G: Steainer with suction basket .  
 H: (4) dry powder extinguisher (12) Kg .  
 I: Aluminized asbestos suit for entering fire (2 piece ) .  
 J: (80) meter rubber pipes (3/4 ) inch diameter with suitable rolls pulled .  
 K: Complete driver tools Kit with Jack .  
 L: (2) Ladders length (12) meter fitted on the top of the vehicle ( each side  
 M: (2) steel fine axe with unit electrical handle up to (20000 ) volts .  
 N: (8) rubber for fire fighting .  
 O: (8) fire suit for fire fighter .  
 P: (10) hose 20 meters long 2.5 inch instantaneous coupling .  
**8.Spare Parts :**  
 Spare parts choosing by from delivery company & its enough to maintans  
**9. Foam :**  
 500 Lt for each Vehicle with sent the specification for maney type of Foam

**02-06-00388 Split unit 25 TON**

**02-06-00389 Network**  
 PACS (Picture Archiving and communicating system ):  
 state of the art and of up gradeable technology  
 -to serve linking the X-ray dept internally & to the following stations  
 conference room  
 operation rooms  
 operating suite meeting room  
 doctor offices  
 microprocessor based workstation for each secretary  
 interface to possible tele medicine  
 archiving on magnetic optic disk  
 hard copies obtained from  
 laser camera  
 VCR (PAL)  
 Video printers each is connected to MRI,CT,mobile CT ,angio, DER  
 UPS  
 Five years maintenance incl spar parts

**02-06-00390 Main conference room**

	Projection T.V and screen Overhead projectors X2 Slide projectors X2 Video (pal) Multiple X- ray viewers - mobile	
02-06-00391	<b>Doctors offices :</b> In each office the facility to be provided with computer terminal linked to X- Two extra stations in two extra doctor offices	
02-06-00392	<b>Pakeg unit 7,5 Ton</b>	
02-06-00393	<b>Pakeg unit 5 Ton</b>	
02-06-00394	<b>submersible drainings Pump for spring well</b> old model :- SP25	
02-06-00395	<b>C02 incubator</b> Mince - 1000 - solid state	
02-06-00396	<b>Steam boiler 3TON</b>	
02-06-00397	<b>Water treatment (deionized water) (hemodialysis)</b> 1-Power supply 220V power=2500W 50HZ 2-pressure supply 3 bar - 6 bar 3-out put supply 1 m3/hour - 3 m3/hour 4-equipment contain of : A-sanfliter B-softener (cationic)  C-culler filter D-R-O filter E-storage tank 2000L F-recirculation pump	
02-06-00398	<b>Cooling tower</b> 1-model TMC 520 2-capacity Kcal/h 1.954.000 3-number of fans 10 4-air flow M3/h 119.000 5-water flow M3/h 326 6-weight kg - Net=3.730 operating 5.930 7-number of motors 4 8-electric heater power kw 5+5	
02-06-00399	<b>Photo graphy equipment (iron for drying the negative)</b>	
02-06-00400	<b>Tanks for film development</b>	
02-06-00401	<b>BOILING PAN,GASEOUS:</b> 100LT,S/S with lid, water inlet, discharge faulet, LPG control, safety valve, jacketed, floor mounted.	
02-06-00402	<b>BOILING PAN,ELECTRIC:</b> As above but electric heated, controlled.	
02-06-00403	<b>BOILING PAN, ELECTRIC:</b> As above but steam heated, controlled.	
02-06-00404	<b>DEEP FRYER,GASEOUS:</b> Double well with baskets, covers, all stainless steel, ltemperature control floor mounted, size about 600x800x650.	
02-06-00405	<b>DEEP FRYER,ELECTRIC:</b> As above, but electric operated, 380V, 3PH,thermostatic control, timer.	
02-06-00406	<b>COOKER, GAS RANGE:</b> With oven, 5cuft,S/S body, burners, 900x900x800,pilot flame,	
02-06-00407	<b>COOKER , ELECTRIC RANGE:</b> As above but electric, thermostat control (18) KW total load, 4 hot	
02-06-00408	<b>MEAT MINCER:</b> Heavey duty meat grinder, 1 1/2 HP motor capacity not less than	

02-06-00409	<b>MEAT SAW:</b> Floor mounted S/S table and parts, 900x600mm working table, 1	
02-06-00410	<b>SLICER:</b> Heavy-duty compact, food slicer, S/S and aluminifinish, table type,	
02-06-00411	<b>GRILL GASEOUS:</b> 800X500 450 high with adjustable levels, floor mounted, s/s	
02-06-00412	<b>GRILL ELECTRIC:</b> AS above but electric heaters, 10KW, 380V, 3PH,controls, access.	
02-06-00413	<b>OVEN, GASEOUS:</b> 1000X800X500 depth oven, glass door, adjustable, temp,	
02-06-00414	<b>OVEN,ELECTRIC:</b> AS above but electric powered 15KW, 380V, 3PH.	
02-06-00415	<b>FOOD CUTTER:</b> 14 bowl food cutter, all S/S, adjustable speed, easy clearable, with	
02-06-00416	<b>FOOD MIXING MACHINE:</b> Floor mounted, 1/3hp, 1-pH motor, adjustable speed, mixing	
02-06-00417	<b>KETTLE ELECTRICAL:</b>  5 LT boiling kettle, electric, controlled ,all S/S with insulated handle and base	
02-06-00418	<b>TEA URN:</b> 20 LT electric tea earns adjustable temp. With thermostat and	
02-06-00419	<b>POTATO PEELER:</b> Floor mounted 8LT load, 1/2 hp motor with full accessories and	
02-06-00420	<b>HOT CUPBOARD:</b> 1100X650X800 hight, electric heated, 50-130C,controlled, all S/S,	
02-06-00421	<b>ICE CUBE MACHINE:</b> Chest type with storage bin, 4 KG/HR ice-making machine, S/S	
02-06-00422	<b>INSECT KILLER:</b> tray.	
02-06-00423	<b>SINK AND TABLE:</b> Heavy guage S/S, round edges, back splash table, double BOW1,	
02-06-00424	<b>PREPERATION TABLE:</b> Heavy guage S/S, round edges table, mounted on S/S legs, with	
02-06-00425	<b>MOBILE SINK:</b> Sink (1) mm S/S, on castors, 220 LT with drain valve.	
02-06-00426	<b>STAINLESS STEEL SHELVING:</b> Heavy guage shelving adjustable hight of 4 shelves per unit, each	
02-06-00427	<b>CONVECTION OVEN:</b> Electric operated, (10) shelves of 500x650mm upto 180 C, floor	
02-06-00428	<b>Bench surface protector</b>	
02-06-00429	<b>Drying cabinet ,large</b>	
02-06-00430	<b>Drying rack wall mounted &amp; bench top 72 place, 22 place</b>	
02-06-00431	<b>Air condition 2.5ton</b>	
02-06-00432	<b>Telephone exchange system</b>  200 inter line 10 outer line	
02-06-00433	<b>Chilled water airconditioning system 50K.W</b>	
02-06-00434	<b>Aircondition package type 25K.W.</b>	
02-06-00435	<b>Window type airconditioner 24000 P.t.U</b>	
02-06-00436	<b>Window type airconditioner 18000 P.t.U</b>	
02-06-00437	<b>Emessioning water pump 4"</b>	
02-06-00438	<b>Emessioning water pump 3"</b>	

02-06-00439	Freezing store room 18m3 -30°C	
02-06-00440	Cold store room 24m3 - 4° C	
02-06-00441	Electric hot water boiler 3000 lit3	
02-06-00442	Refrigerator 6 feet	
02-06-00443	Refrigerator 12 feet	
02-06-00444	Coloured T.V 16 inch	
02-06-00445	Telecommunication unit 400 lines with telephones	
02-06-00446	P.C. computers	
02-06-00447	Mechanical & electric tools	
02-06-00448	Flour mixer capacity 100gm	
02-06-00449	Bread fertilizer	
02-06-00450	Baker oven electric	
02-06-00451	Meat mixer large size	
02-06-00452	Electric coolr large size	
02-06-00453	Pick up motor vehicle 1 ton	
02-06-00454	Clothes washer machine large size	
02-06-00455	Clothes steam iron machine larg size	
02-06-00456	Vaccum floor dryer	
02-06-00457	Hoover (vaccum cleaner)	
02-06-00458	Dry woop	
02-06-00459	Double trolley carriage for floor cleaning with woop & seguer with 2 plastic bags	
02-06-00460	Electric table calculator	
02-06-00461	Grass grinder electric	
02-06-00462	Electric arabic printer	
02-06-00463	Electric english printer	
02-06-00464	Tool & equipment for mechanical work shop	
02-06-00465	Tool & equipment for electronic work shop	
02-06-00466	Closed circuit TV. system	
02-06-00467	Cameras fixed in operation theaters with out door monitoring	
02-06-00468	Computer for hospital use	
02-06-00469	Laundry & CSSD central station	
02-06-00470	Bleep- Doctor call (3 miles range)	
02-06-00471	Equipment-dusters	
02-06-00472	mist sprying machine holed by back with spare parts	
02-06-00473	fogging mechine with spare parts- the A/M item should be included the followingtechnical specifications 1- self starting	
02-06-00474	trailer with spare partes	
02-06-00475	hudson x-pert 10 liter with spare partes	
02-06-00476	wheel barrow power sprayer 100 liter with spare partes	
02-06-00477	IGEPA TF 35 fog generator with spare partes	
02-06-00478	IGEPA high performance FOG generator (jumbo) with spare	
02-06-00479	IGEPA HD 160 with spare partes	
02-06-00480	cooling tower capacity : 750 ton = 9X 10 <sup>6</sup> Btu/hr = 2268.66 thermie /hr water out let temp. 7-26 C0	

	<p>wet bulb temp 24.5C water flow rate = 330 m<sup>3</sup> /hr</p> <p>tower weight empty weight : 2630 kg full with water : 7810kg</p> <p>basin capacity : 3.74 m<sup>3</sup> fans type propeller not exit than 3 fans for each tower fans motor power :9kw packege :type PVC or wood</p>	
<b>02-06-00481</b>	<p><b>EQUITMENT: RADIO (WIRELESS) COMMUNICATION NET</b> CONSISTING OF THE FOLLOWING:- DEVICE STATIONS WITH MAST (IF REQUIRED): HOURS OPERATION:-(MULTI CHANNELS)</p> <ol style="list-style-type: none"> <li>1. TO OPERATE ALL CHANNELS FROM ANY DESK.</li> <li>2. DISPLAY FOR CODING AND DECODING SYSTEM</li> <li>3. DIGITAL CLOCK</li> <li>4. LAMPS FOR RECEIVING, TRANSMITTING AND STAND BY.INDUCTIA</li> <li>5. SEMI-DUPLEX OPERATION (PUSH TO TRANSMIT)</li> <li>6. RF OUTPUT POWER SUFFICIENT TO COVER AN AREA OF FIXED STATION (MULTI CHANNELS):</li> <li>7. TO COMMENCE WITH CENTRAL STATIONS AND OTHER</li> <li>8. RF OUT PUT POWER SUFFICIENT TO COVER ALL</li> <li>9. UPS FOR 6 HOURS OPERATION</li> <li>10. EXTRA LAUD SPEAKER.</li> </ol> <p>MOBILE STATIONS (AS FIXED STATION ABOVE) 2 YEARS WARRANTY (SPARE + MEN POWER) 3 YEARS MAINTENANCE MEN POWER ONLY TRAINING FOR * SPARE PARTS LIST WITH ITEM PRICE * FULL CATALOGS (OPERATING AND MAINTENANCE WITH</p>	
<b>02-06-00482</b>	<b>Donor chair</b>	
<b>02-06-00483</b>	<b>Tube sealer</b>	
<b>02-06-00484</b>	<b>Cool box</b>	
<b>02-06-00485</b>	<b>CO2 or N2O</b>	
<b>02-06-00486</b>	<p><b>high tension switch gear</b> vaccum type 11KV input - 420V out put -3ph -1600A with</p>	
<b>02-06-00487</b>	<b>plasma deep freez</b>	
<b>02-06-00488</b>	<b>portable personal dust sampler</b>	
<b>02-06-00489</b>	<b>Freez -20C</b>	
<b>02-06-00490</b>	<p><b>Steam boiler</b> rating : 1000 kg/hr from 100 C0 feed water desing : 3- pass wet back fire tube burner : dual fule , LPG and light gas oil standard : B.S 2790 and equivalent quality :150 9001</p> <p>full automatic packaged boiler with atomatic blowdown system feed water pump level control , control panal , safty fitting , valves as necessary , with :</p> <ol style="list-style-type: none"> <li>a) dual base - exchange softener of 5 m3/hr at 220 ppm water hardness</li> <li>b) 10000 lt fuel tank</li> <li>c) 2000 lt condensate tank</li> <li>d) blow down receiver complete</li> <li>e)5 meters chimeny</li> <li>f) chemical dosing pump with tank and fitting complete</li> <li>g) 5 year recommended spare parts</li> <li>h) 1 year warranty</li> <li>l) training of 2 engineers in factory</li> <li>j) supervision on installation</li> </ol>	
<b>02-06-00491</b>	<b>DUPLEX WATER SOFTENING PLANT</b>	

	<p>SADDAM MEDICAL CITY Supply a duplex water softener :</p> <p>Service flow rate : 90m<sup>3</sup>/hr .Ion exchange resin type : strong cation Ion exchange resin volume: 3800 liters Underbed : coarse and fine gravel Operation mode : automatic / manual Net capacity of softened water per regeneration /unit Regeneration initiation flow meter Salt consumption per regeneration : 430 kg Brine tank recharge capacity : 1.25m<sup>3</sup> Working presser 5.0 bar max 1.72 bar min. electricity supply : 380v,3 phase,50 Hz</p> <p>fully wurd,piped assembeled on skid , control panel fitted ready to connection. full detailed specs and drawings to be submitted</p> <p>Ultraviolet water bacteria removal unit for 10 m<sup>3</sup>/hr filtered water 10 m<sup>3</sup>/hr filter for drinking water,dublex sand filter with automatic</p> <p>Set of 5-year spare parts,training,supervision on installation,test kits,consumables for one year,to be included for above.</p>	
<b>02-06-00492</b>	<p><b>NURSE CALL SYSTEMS</b></p> <p>MANUFAC.DUKANE SADDAM MEDICAL CITY SYSTEMS COMPLETE REBUILD, SUPPLY OF REPLACEMENT CALL CORDS ,BUTTENS AND ACCESSORIES</p>	
	<p>INSTALLATION,SPAREPARTS FOR 5 YEARS,TRAINING</p>	
<b>02-06-00493</b>	<p><b>DOCTOR CALL SYSTEM</b></p> <p>REPAIR OF NIRA TELESTAR Saddam Medical city Wireless bleep system to cover no less than 5KM radius area,</p>	
	<p>Set of 5-year spare parts,one year consumables,training,supervision on installation 3 sets of technical documents,to be included for above</p>	
<b>02-06-00494</b>	<p><b>Electronic master clock system</b> saddam medical city</p> <p>Electronic master clock system consists of : 1-master time center 2-solid state generator Each hour the master time center should initiate clock correction Replacement to SIMPLEX CLOCK SYSTEM manufactured by SIMPLEX TIME RECORDER CO.Inc (2350 master clock, 2850 Spare parts for one year operation.</p>	
	<p>Secondary wall clocks, single face.</p>	
	<p>Secondary wall clocks, double face.</p>	
	<p>Set of 5-year spare parts.training.supervision on installation to be included for above</p>	
<b>02-06-00495</b>	<p><b>UNINTERRUPTIBLE POWER SUPPLY UPS</b> SADDAM MEDICAL CITY</p> <p>AC POWER STATION 1.5 KVA COMPLETE WITH BATTERIES.</p>	

	VOLTAGE INPUT : 220 VAC	
	OUTPUT : 220 VAC	
	FREQUENCY : 50 HZ	
	TRANSFER TIME : 50 – 100 MS	
	FULL RATED LOAD FOR 90 MINUTES MINIMUM	
	LOAD POWER FACTOR 0.85 LAY OR 1.0 LEAD	
	Set of 5-year spare parts,training,	

<b>02-06-00496</b>	<b>Central Medical VACUUM PUMP</b>	
	SADDAM MEDICAL CITY	
	VACUUM PUM UNIT COMPLETE	
	FREE AIR DISPLACEMENT AT ATMOSPHERIC PRESSURE	
	VOLUMETRIC THROUGH PUT AT LINE VACUUM 4050 L/MIN,	
	VACUUM PUM UNIT COMPLETE	
	FREE AIR DISPLACEMENT AT ATMOSPHERIC PRESSURE	
	VOLUMETRIC THROUGH PUT AT LINE VACUUM 2700 L/MIN,	
	VACUUM PUM UNIT COMPLETE	
	FREE AIR DISPLACEMENT AT ATMOSPHERIC PRESSURE	
	VOLUMETRIC THROUGH PUT AT LINE VACUUM 20250 L/MIN,	

<b>02-06-00497</b>	<b>EQUIPMENT : central telephone exchange</b>	
	model: telecom SL-1	
	company / manufacturer : northern telecom	
	site : saddam medical city	
	required is to update existing system with new central PABX which	
	complete system components	
	telephone sets	
	TTY/PRINTERS	
	attendant counsels	
	set of 1-year consumables	
	set of 5-year spare parts	
	set of tools and accessories	
	factory and on sit training	

<b>02-06-00498</b>	<b>equipment : steam sterilizer complete</b>	
	site : saddam medical city	
	200 it steam sterilizer , multi - purpose steam jacketed stainless	
	as above bute 500 it	
	ro- water treatment station to suit tow of item 1 above and one of	
	item 2 above	
	recommended 5- year spare parts training supervision on	
	installation for above	

<b>02-06-00499</b>	<b>PUMPS COMPLETE</b>				
	QTY	power Rev	suction	discharg	capacity 1/s
		KW sec	mm	mm	
	100	30 48	100	75	16.5
	100	5.5 48	65	50	12.5
	100	10 48	65	50	14
	100	11 48	65	50	10
	100	0.75 24	50	37	4
	100	18.5 24	150	100	56.25
	100	1.1 48	31.25	25	3.5
	100	2.25 24	75	62.5	8.5

100	30	24	150	125	28.6	
100	0.75	24	56	50	3.36	
100	2.2	24	86	50	5.28	
100	7.5	24	100	65	15	
100	4	24	125	100	17.42	
100	2	0.25	40	40	1.5	
100	4	16	125	125	22.5	
100	3	16	125	125	12.5	
100	2.2	48	50	50	-	
100	0.75	24	65	65	3.22	
100	1.1	24	65	40	3	
100	2.2	24	80	50	4	
100	1.5	24	80	50	5	
100	2.2	24	80	50	7	
100	2.2	24	80	50	8	
100	4	48	-	75	5	
100	8	48	-	100	6	
100	2	48	-	50	4.2	

<b>02-06-00500</b>	<b>BATTERIES</b> Saddam Medical city Nickel cadmium battery block ,24vdc,280AH,shipped dry with As above but 110vdc,100ah,suitable for electrical switchgears	
	<b>Kitchen equipment</b> saddam medical city	
<b>02-06-00501</b>	<b>Boiling pan,electric:</b> 100 Lt , s/s with water inlet , discharge faucet , LPG control safty	
<b>02-06-00502</b>	<b>Boiling pan, steam :</b> As above but steam heated, controlled, with all accessories and	
<b>02-06-00503</b>	<b>deep fryer electric</b> Double well with baskets, covers, all s/s , temperature control, floor electric operated , 380 V /50 hz /3ph, thermostatic control , timer , with all accessories and spare parts for one year operation.	
<b>02-06-00504</b>	<b>Cooker, electric range :</b> With oven, 5 ft3, s/s body, burners, dim. Approx. 900*900*800, electric , thermostat control , (18 )kw total load , 4 hot plates With all accessories and spare parts for one year operation.	
<b>02-06-00505</b>	<b>Meat mincer :</b> Heavy duty meat grinder, 1.5 Hp motor capacity, not less than	
<b>02-06-00506</b>	<b>Meat saw :</b> Floor mounted, s/s table and parts, dim. Approx.900*600mm	
<b>02-06-00507</b>	<b>Slicer :</b> Heavy-duty compact food Slicer, s/s and aluminum finish table	
<b>02-06-00508</b>	<b>Grill, gaseous :</b> Approx. Dim. 800*500*450, with adjustable levels, floor mounted	
<b>02-06-00509</b>	<b>Oven, gaseous :</b> Approx. dim. 1000*800*600 depth oven, glass door, adjustable	
<b>02-06-00510</b>	<b>Oven, electric :</b> As above but electric powered, 15kw,380V/50Hz/3Ph.	
<b>02-06-00511</b>	<b>Food cutter :</b> 14" bowl, food cutter, all s/s, adjustable speed, easy cleanable,	
<b>02-06-00512</b>	<b>Food mixing machine :</b> Floor mounted, 1/3 Hp, 1-pH motor, adjustable speed, mixing bowl	
<b>02-06-00513</b>	<b>Kettle electrical</b> 5-LT boiling kettle, controlled, all s/s with insulated handles and	
<b>02-06-00514</b>	<b>Tea urn :</b> 20-LT electric tea urn, adjustable temp. with thermostat and	
<b>02-06-00515</b>	<b>Potato peeler :</b> Floor mounted, 8-LT load, 1/2Hpmotor, with all attachments, With	
<b>02-06-00516</b>	<b>Hot cupboard :</b> 110*650*800 height, electric heated, 50-130 C, controlled, all s/s,	
<b>02-06-00517</b>	<b>Ice cube machine :</b> Chest type with storage bin, 2kg/hr, ice making machine,all s/s,	
<b>02-06-00518</b>	<b>Insect killer :</b> Hanging U.V. lamp, industrial insect killer with HV grid, collection	
<b>02-06-00519</b>	<b>Sink and table :</b> Heavy gauge s/s, round edges back splash able double bowl	
<b>02-06-00520</b>	<b>Preparation table :</b>	



	Heavy gauge s/s, round edges table, mounted on s/s legs, with With all accessories and spare parts for 1- year operation.																						
02-06-00521	<b>Mobile sink :</b> Sink (1)meter s/s, on castors, 220 LT with drain valve. With all																						
02-06-00522	<b>Stainless steel shelving :</b> Heavy gauge shelving adjustable height of 4-shelves per unit																						
02-06-00523	<b>Convection oven :</b> Electric operated, (10)shelves of 500*650mm up to 180C, floor																						
02-06-00524	<b>Medium voltage switchgear</b> saddam Medical city																						
	<table border="1"> <thead> <tr> <th>Type</th> <th>Closing voltage</th> <th>Tripping voltage</th> </tr> </thead> <tbody> <tr> <td>Air circuit breaker AH-40C</td> <td>220vac</td> <td>24vdc</td> </tr> <tr> <td>Air circuit breaker AH-50C</td> <td>220vac</td> <td>24vdc</td> </tr> <tr> <td>Air circuit breaker AH-40C</td> <td>220vac</td> <td>24vdc</td> </tr> <tr> <td>Air circuit breaker AH-30C</td> <td>220vac</td> <td>220vdc</td> </tr> <tr> <td>Air circuit breaker AH-30C</td> <td>220vac</td> <td>24vdc</td> </tr> <tr> <td>Air circuit breaker AH-30C</td> <td>220vac</td> <td>24vdc</td> </tr> </tbody> </table>	Type	Closing voltage	Tripping voltage	Air circuit breaker AH-40C	220vac	24vdc	Air circuit breaker AH-50C	220vac	24vdc	Air circuit breaker AH-40C	220vac	24vdc	Air circuit breaker AH-30C	220vac	220vdc	Air circuit breaker AH-30C	220vac	24vdc	Air circuit breaker AH-30C	220vac	24vdc	
Type	Closing voltage	Tripping voltage																					
Air circuit breaker AH-40C	220vac	24vdc																					
Air circuit breaker AH-50C	220vac	24vdc																					
Air circuit breaker AH-40C	220vac	24vdc																					
Air circuit breaker AH-30C	220vac	220vdc																					
Air circuit breaker AH-30C	220vac	24vdc																					
Air circuit breaker AH-30C	220vac	24vdc																					
	The offer should include the following accessories: 1-tester type OCR ANH-1B, qty:1 2-tester type ANR-1 portable checker, qty:1 3-JWB-6 lifter loader (HB)AH50C/60C 3P, qty:1 4-JWB-O-H loader for AH50C, qty:1 5-JWB-O B34 loader for AH40C 4P, qty:2 6-JWB B33 loader, qty:2 7-JWB-O-M extension rail, qty:4 8-JWB-O-P extension rail, qty:1 Offer should include training of 2-engineer for 2-weeks. Offer should include original catalogues for operation and																						
	<b>Vehicles</b> saddamMedical city																						
02-06-00525	doors ,diesel engine,air conditioned,apholestered chairs stainless steele fram,sliding glass windows with curtains,rubber mat floor, tinted windshield , stereo radio-recorder,ceiling hanging grips,																						
02-06-00526	Passengers staff mini bus 20-30 persons ,and as above																						
02-06-00527	with rescue cage, with adjustable fire hose and jet,fully equiped for fire fighting ,rescue and maintenance tasks,non skid																						
02-06-00528	<b>Fire fighting water tank vehicle</b> of 13000 lt ,with pump 1000lt/min at 10bars,diesel engine with accessories																						
02-06-00529	<b>Mini excavator of 1 meter</b> width 30 liters bucket,less than 25hp 5-year spare parts,inspection before contracting ,training on repair and maintenance in the manufacturers workshops.for 2 engineers on above items																						
	<b>EQUIPMENT: SUB – STATION</b>  SADDAM MEDICAL CITY																						
02-06-00530	3500KVA, 50HZ,DRY TYPE,fitted in aventilated enclosure with panels containing 3-horizontal draw out C.B(630AMP) system																						
02-06-00531	voltage 11KV , 3phase , 3wire , 50HZ with all necessary																						
02-06-00532	<b>MEDIUM VOLTAGE SWITCH BORD</b> shall consist of following: qty:3-incomming feeder-																						
02-06-00533	<b>BUSWAYS 5000 AMP. RATING</b> totally enclosed water proof low impedance busways between																						
02-06-00534	<b>BUSWAYS, 1600 AMP. RATING.</b> AS ABOVE BUT BETWEEN MAIN SWITCH BORD NAD the the following conditions shall be provided for all above items																						
02-06-00535	<b>PUMPS WITH MOTORS</b>																						

380 V/ 3PH/ 50HZ,TYPE SPLASH PROOF MOTOR SADDAM MEDICAL CITY				
MODEL	KW	HEAD (M)	FLOW (L/S)	RPM
12LN21	340	36	650	1440
12LN17	265	52. 5	335	1440
12LN17	224	36	372	1440
ERP80-400	150	140	30	2880
12LA2	150	25. 5	415	1440
12LA2	90	30	300	1440
10LA3	90	30	170	1440
10LA3	90	43. 3	142. 3	1440
65WP315	75	132. 5	22. 5	2880
6L3	55	32	101. 29	1440
6L3	55	52. 5	52. 24	1440
65WP315	55	103	22. 5	2880
ERP60-200	45	190	7. 57	2880
50wp315	37	103	10	2880
65WP250	37	68. 6	22. 5	2880
6L3	37	34	55. 5	1440
6L3	30	27	98. 5	1440
100WP200	30	37	43. 1	2880
80WP160	15	24	30	2880
1 ½ TM2	15	132. 5	2. 5	2880
40WP200	11	45	7. 57	2880
40WP200	11	55	4. 36	2880
1 ¼ TM43	7. 5	68. 6	2. 25	2880
4L1	5. 5	9	30. 61	1440
100WP200	4	11	17. 42	1440
1 ¼ TM22	4	83. 3	1	2880
3L1	3	8	15. 86	1440
3dv2	3	-	-	2880
32wp160	1.5	14.6	2.25	2880

**02-06-00536** equipment : air compresor  
 trolly units attas capco  
 tank capacity 20 litter  
 model of comp. : LXF 06  
 motor : 1 ph, 50 hz, 220 v , 0.55 kw

**02-06-00537** equipment : electric distribution  
 C.B type SACE,50HZ, 3PH, 660V,1600A  
 C.B type SACE,50HZ, 3PH, 660V,1250A  
 C.B type SACE,50HZ, 3PH, 660V,630A Awith motor  
 C.B type BBC 600,50HZ,1PH,(250-380)V,32A  
 C.B type BBC 600,50HZ,1PH,(250-380)V,10A  
 LIP-Air C.B 600V,1600A  
 MCCB,3P,(380-400)V,H,1600A  
 MCCB,3P,(380-400)V,H,1250A  
 MCCB,3P,(380-400)V,H,1000A  
 MCCB,3P,(380-400)V,H,800A  
 MCCB,3P,(380-400)V,H,600A  
 MCCB,3P,(380-400)V,H,500A  
 MCCB,3P,(380-400)V,H,400A  
 MCCB,3P,(380-400)V,H,350A  
 MCCB,3P,(380-400)V,H,250A  
 MCCB,3P,(380-400)V,H,225A  
 MCCB,3P,(380-400)V,H,200A  
 MCCB,3P,(380-400)V,H,175A  
 MCCB,3P,(380-400)V,H150A  
 MCCB,3P,(380-400)V,H,125A

	MCCB,3P,(380-400)V,H,100A MCCB,3P,(380-400)V,H,80A MCCB,3P,(380-400)V,H,75A MCCB,3P,(380-400)V,H,63A MCCB,3P,(380-400)V,H,50A MCCB,3P,(380-400)V,H,30A MCCB,3P,(380-400)V,H,20A MCCB,3P,(380-400)V,H,15A ELB-GR-50-2P 220V 30A ELB-GR-50-2P 220V 20A ELB-GR-50-2P 220V 15A ELB-GR-50-2P 220V 150A MCCB 1P 220V 15A MCCB 4P (220-380)V 400A MCCB 4P (220-380)V 225A MCCB 4P (220-380)V 100A MCCB 4P (220-380)V 50A MCCB with aux.contact and alarm contact 380V 3P 5A as above 30A as above 15A as above bot 220V 2P 150A free fuse C.B 380V wall mounted 1000A complete star-Delta control for motor 7.5HP with air compressor complete star-Delta motor control 100KW complete star-Delta motor control 50KW complete star-Delta motor control 40KW complete star-Delta motor control 20KW complete direct on line single stage motor starting MCCB single phase-50A MCCB single phase-30A MCCB single phase-10A H-VAC-vacum C.B HT 12KV 600A main switch 220V 30A main switch 380V 60A main switch 220V 100A main switch 220V 150A	
--	---	--

<b>02-06-00538</b>	<b>magnifier</b>	
--------------------	------------------	--

<b>02-06-00539</b>	<b>iron (fordrying the negatives photo graphy</b>	
--------------------	---	--

<b>02-06-00540</b>	<b>tanks for film development</b>	
--------------------	-----------------------------------	--

<b>02-06-00541</b>	<b>pumps</b>	
--------------------	--------------	--

type	KW	Q m <sup>3</sup> /hr	H / m	r.p.m	dic cm	suction cm
condenser pump /	11	102	22.5	1430	18cm	11cm
chiller pump / horizontal	14	81.7	33	1430	18cm	11cm
sanitary pump for 30m	11	100	30	1435	120cm	8cm

<b>02-06-00542</b>	<b>Boiler</b> saccabloc press 3G N-307447 / type 418m / 220-380V / 50HZ / 2-3KVA /	100
--------------------	--	-----

<b>02-06-00543</b>	<b>inter com system withall accissorice</b>	
--------------------	---	--

<b>02-06-00544</b>	<b>Wall clock with seconds indicator</b>	
--------------------	--	--

<b>02-06-00545</b>	<b>taelephone-intercom</b>	
--------------------	----------------------------	--

<b>02-06-00546</b>	<b>Air compressor</b> compressor with tank 400L/M - 7Kg/cm <sup>2</sup> 3.7KW 3Q 380V air tank capacity :-129 liter one work other stand by - alternative working ins tallation for system spare part for 5 years training for staff catalog for maintnerance and operation and installation	
--------------------	---	--

<b>02-06-00547</b>	<b>Medical oxygen units</b> 1-compressor 2-air seperation unit + msun 3-stirling cryogenerator 4-500 liter storage vessel with level control	
--------------------	--	--

	<p>5-super charger with cylinder filling machine up to 150PSI  6-fully automatic start and stop  7-at least 10/minute start up  8-lowest energy consumption  9-low noise level  10-automatic restart after power failar  11-cooling systemwater (cooling tower) with softner or by chiller  12-warking machine at ambient tempretuer (50-65)c  13-impurity at least 99.5% medical use  14-produces at least (50liter lequid to70)/hour.</p>	
<b>02-06-00548</b>	<p><b>condensor water pump</b>  400V 1500r.P.m 3Q 6"X6"</p>	
<b>02-06-00549</b>	<p><b>Mini bus</b>  passanger shaft mini bus 10-20 person  gasolen engine air conditioning and heating  power steern manual gear with floor shift</p> <p>two doors  on the  front,one  in each  side with  middle  door in  the right  sid</p> <p>all around  window  ,each side  window is  double  and  slading</p> <p>two view mirror in eacg side and one internal  radio and cassete recorder  all execary should be heavy duty  spare part for tow years</p>	
<b>02-06-00550</b>	<p><b>Motor cycle</b>  Petrol Engine  Suitable size  Capacity of carrying:- Two persons.  Equipped with full accessories  Warranty &amp; Maintenance for 2 years  Lest of spare part for 2 years  Training for 3 technicians</p>	
<b>02-06-00551</b>	<p><b>Motor cycle with side vehicle</b>  Petrol Engine  Suitable size  Capacity of carrying:- Three persons.  Equipped with full accessories  Warranty &amp; Maintenance for 2 years  Lest of spare part for 2 years  Training for 3 technicians</p>	
<b>02-06-00552</b>	<p><b>Eleveters</b>  1-technical opecifications  a-full electronic control sistem for operation and level selection  b-type of control 3V -3F,elevater continioys speed : (0.5-2.5) M/sec  c-door opnning : automatic and swing according to the site  d-emergency power supply (ups) providing nesssry electric  e-ambient tempreture 0-50C and 90% hum  f-the system contain data terminal (pc-bored)for operation  g-the system contain (4)four stopping stages at final up and final  h-the carrieg modle from stainless-steel with smooth</p> <p>2-installation equipments on sites with all accesseries.  3-one year warranty and two years maintenance after period of</p>	

4-fraining on factoru for 6-technical staff x 3weeks and local traing  
 5-spare parts for 5 years  
 6-quantities as per schedule.

type	180 kg	500 kg	750 kg	1000 kg	1200 kg	1600 kg	2000 kg
passenger							
bed lift							
service							

**02-06-00553 Medical oxygen plant**  
 \_ complet liquid oxygen production plant  
 capacity: 75LIT.liquid/hour  
 purity :not less than 99.5%  
 (including an electrical analyzer on line)  
**air compressor type**  
 \_ oil free  
 \_ reciprocating  
 \_ suction temp. (50-60)c  
 \_ low pressure  
**storage and filling station**  
 \_ one liquid storage tank (capacity:10000lits)  
 \_ complete common cylinder filling plant with dual charging  
 including the following (for each plant)  
 \_ 2sets of instruction manuals operation and maintenanece  
 \_ 2sets of spare parts catalogues  
 \_ 2set of special tools  
**spare parts**  
 spare parts for five years operation as recommened by the  
**guarantee**  
 12 months from the date of start up  
**training**  
 trining of two technicians during four weeks at the factory

**02-06-00554 POWER SUPPLY**  
**U.P.S**  
 steady 220Vout put voltage, with NICD or sealed acid baheries,  
 1KVA  
 2 KVA  
 3 KVA  
 5 KVA  
 10 KVA  
 60KVA

**02-06-00555 air conditioning system for operating theaters each system**  
**chiller 25 ton**  
 1 - TWO NO. air cooled chiller with cooling capacity (25)ton  
 one working one stand by  
 \_ ambient temp 55C  
 \_ rom temp 20 - 25C  
 \_ relative humidity 45 - 60 % r.h  
 \_condensing pipes type anty corrosion against sulfied gasos  
 2--two no. of air handling unit with suitable capacity (one working  
 a- two speed , with electrical dampers  
 b- exhaust fan each A.H.U.(100% fresh air) (tow speed) with  
 c-suitable electric heater for heating (ineach A.H.U)  
 d-primery secondrey filters and absolute filter (99.998%)  
 e-humidity systemf- A.H.U vertical  
 g- suitable static prssre for opearting theaters  
 3-two no. of chilled waater pumps(one working and one stand by)  
 4- pleanuim box for each operating room  
 5- electriical board to supply power for chillers (A.H.U) PUMPS  
 6- electrical board to controll the operation for chillers, (A.H.U),  
 7-supply and instullation all the equipments above  
 8-supply and instullation the pre - instullation accessories  
 a- chilled water pipes  
 b-electrical cables between the chillers and (A.H.U) pumps  
 c- all mechanical fitting (flow switch , air vent , three way  
 9-supply and instullation ducting from (A.H.U)to the operating  
 10-main power sorce supplied the costumers and also the civle

**chiller 20 ton**  
 1- two no.air cooled chiller with cooling capacity (20)ton

	<p>one working one stand by          _ambient temp. 55C          _room temp. 20 - 25 C          _ relative humidity 45 - 60 %          _condensing pipes type anty corrosion against sulfied gases          2- two no. air handling unit with suitable capacity (one working and with the following specifications          a-two speed , with electrical dampers          b- exhaust fan for each A.H.U.(100% fresh air) (tow speed) with          c-suitable electric heater for heating (ineach A.H.U)          d-primery secondrey filters and absolute filter (99.998%)          E-HUMIDity system          f--A.H.U vertical type , double skin type          g-suitable static , pressure for operating theaters          3- two no.of chilled water pumps one working and stand by          4-pleanuim box for each operating room          5-electrical board to supply power for chillers , A.H.U pumps          6-electrical board to controll the operating for chillers , A .H.U          7-supply and instullation all the equipments above          8-supply and instullation the pre - instullation accessories          a-chilled water pipies          b- electrical cables between the chilled and A.H.U , pumps            c- all mechanical fitting (flow switch air vent , three way valve          9-supply and instullation ducting form A.H.U , to the operating          10-main power sorce to supplied by the costumers and also the</p>	
	<p><b>chiller 30 ton</b>          1-- tow no. air cooled chiller with cooling capacity (30)ton          one working one stand by          _ambient temp. 55C          _room temp. 20 - 25 C          _ relative humidity 45 - 60 % r.h          _condensing pipes type anty corrosion against sulfied gases          2- two no. air handling unit with suitable capacity (one working and with the following specifications          a-two speed , with electrical dampers          b- exhaust fan each A.H.U.(100% fresh air) (tow speed) with          c-suitable electric heater for heating (ineach A.H.U)          d-primery secondrey filters and absolute filter (99.998%)          E-HUMIDity system          f--A.H.U vertical type , double skin type          g-suitable static , pressure for operating theaters          3- two no.of chilled water pumps one working and stand by          4-pleanuim box for each operating room          5-electrical board to supply power for chillers , A.H.U pumps          6-electrical board to controll the operating for chillers , A .H.U          7-supply and instullation all the equipments above          8-supply and instullation the pre - instullation accessories          a-chilled water pipies          b- electrical cables between the chillerand A.H.U , pumps            c- all mechanical fitting (flow switch air vent , three way valve          9-supply and instullation ducting form A.H.U , to the operating          10-main power sorce to supplied by the costumers and also the</p>	
	<p><b>chiller 40 ton</b>          1-- two no. air cooled chiller with cooling capacity (40)ton          one working one stand by          _ambient temp. 55C          _room temp. 20 - 25 C          _ relative humidity 45 - 60 % r.h          _condensing pipes type anty corrosion against sulfied gases          2- two no. air handling unit with suitable capacity (one working and with the following specifications          a-two speed , with electrical dampers          b- exhaust fan each A.H.U.(100% fresh air) (tow speed) with          c-suitable electric heater for heating (ineach A.H.U)          d-primery secondrey filters and absolute filter (99.998%)          E-HUMIDity system          f--A.H.U vertical type , double skin type</p>	

	<p>g-suitable static , pressure for operating theaters  3- two no.of chilled water pumps one working and stand by  4-pleanum box for each operating room  5-electrical board to supply power for chillers , A.H.U pumps  6-electrical board to controll the operating for chillers , A .H.U  7-supply and instullation all the equipments above  8-supply and instullation the pre - instullation accessories  a-chilled water pipies  b- electrical cables between the chilled and A.H.U , pumps  c- all mechanical fitting (flow switch air vent , three way valve  9-supply and instullation ducting form A.H.U , to the operating  10-main power sorce to supplied by the costumers and also the</p>	
	<p><b>chiller 15 ton</b>  1- two no. air cooling chilled with cooling capacity (15)ton  one working one stand by  _ambient temp. 55C  _room temp. 20 - 25 C  _relative humidity 45 - 60 %r.h  _condensing pipes type anty corrosion against sulfied gases  2- two no. air handling unit with suitable capacity (one working and  with the following specifications  a-two speed , with electrical dampers  b- exhaust fan each A.H.U.(100% fresh air) (tow speed) with  c-suitable electric heater for heating (ineach A.H.U)  d-primery secondrey filters and absolute filter (99.998%)  E-HUMIDity system  f--A.H.U vertical type , double skin type  g-suitable static , pressure for operating theaters  3- two no.of chilled water pumps one working and stand by  4-pleanum box for each operating room  5-electrical board to supply power for chillers , A.H.U pumps  6-electrical board to controll the operating for chillers , A .H.US  7-supply and instullation all the equipments above  8-supply and instullation the pre - instullation accessories  a-chilled water pipes  b- electrical cables between the chilled and A.H.U , pumps  c- all mechanical fitting (flow switch air vent , three way valve  9-supply and instullation ducting form A.H.U , to the operating  10-main power sorce to supplied by the costumers and also the</p>	
	<p><b>chiller 75 ton</b>  1-air cooled chiller wirth cooling capacity (75 ton ) , one working  _ambient temp. 55C  _rom temp. 20-25C  _relative humidity 45 - 60 % r.h  _condensing pipes type anty corrosion against sulfied gases  2- 4 no. air handling uint with suitable capacity (two working and  a- two speed , with electrical dampers  b-exhaud tan for each A.H.U , (100% fresh air) two speed  c-suitable electrical heater for heating (in each A.H.U)  D- PRIMERY , SECONDRY FILTERS AND ABSOLUTE FILTERS  E-HUMIDity system  H-A.H.U vertical type , double skin type  g- suitable static pressure for operating theaters  3-3no. Of chilled water pumps (two working and one stand by)  4-pleanum box for each operating room  5-electrical board to supply power for chillers , A.H.U pumps  6-electrical board to controll the operating for chillers , A .H.U  7-supply and instullation all the equipments above  8-supply and instullation the pre - instullation accessories  a-chilled water pipes  b-electrical cables , between the chiller and A.H.U pumps  c-all mechanical fittings (flow switch , air vent , three way valve ,  9-supply and instullation ducting form A.H.U , to the operating  10- mair power sorce suppld by the cosyumers and also civre</p>	
	<p><b>chiller 50 ton</b>  1-two no. air cooled chiller with cooling capacity (50)ton one  _ambient temp. 55C</p>	

	<p>_rom temp. 20-25C          _ relative humidity 45 - 60 % r.h          _condensing pipes type anty corrosion against sulfied gases          2-two no. air handling units with suitable cooling capacity (one          a- two speed , with electrical dampers          b-exhaust tan for each A.H.U , (100% fresh air) two speed with          c-suitable electric heater for heating (in each A.H.U)          D- PRIMERY , SECONDRY FILTERS AND ABSOLUTE FILTERS          E-HUMIDity system          f--A.H.U vertical type , double skin type          g-suitable static , pressure for operating suitable theaters          3-two no. of chilled water pumps one working and one stand by          4-pleanuim box for each operating room          5-electrical board to supply power for chillers , A.H.U pumps          6-electrical board to controll the operation for chillers , A .H.U          7-supply and instullation all the equipments above          8-supply and instullation the pre - instullation accessories          a-chilled water pipes          b-electrical cables , between the chiller and A.H.U pumps          e-all mechanical fitting flow switch air vent three way valu pressure          9-supply and instullation ducting form A.H.U , to the operating          10-main power sorce to supplied by the costumers and also the</p>	
	<p><b>chiller 10 ton</b>          1- two no. air cooled chiller with cooling capacity (10)ton one          4.no. ofth quality above          type :- installed inside operating theaters          _ ambient temp. 55C          _rom temp. 20-25C          _ relative humidity 45 - 60 % r.h          _condensing pipes type anty corrosion against sulfied gases          2-two no. air handling units with suitable cooling capacity (one          a- two speed , with electrical dampers          b-exhaust tan for each A.H.U , (100% fresh air) two speed with          c-suitable electric heater for heting (in each A.H.U)          D- PRIMERY , SECONDRY FILTERS AND ABSOLUTE FILTERS          E-HUMIDity system          f--A.H.U vertical type , double skin type          g-suitable static , pressure for operating heaters          3-two no. of chilled water pumps one working and one stand by          4-pleanuim box for each operating room          5-electrical board to supply power for chillers , A.H.U pumps          6-electrical board to controll the operation for chillers , A .H.U          7-supply and instullation all the equipments above          8-supply and instullation the pre - instullation accessories          a-chilled water pipes          b-electrical cables , between the chiller and A.H.U pumps          e-all mechanical fitting flow switch air vent three way valu pressure          9-supply and instullation ducting form A.H.U , to the operating          10-main power sorce to supplied by the costumers and also the          present for all equipemnt above          _training for (5) enjeneers and (5) technicians          _warranty (labor + work)          _spare parts for five years</p>	
02-06-00556	<p><b>digital ISDN net work</b>          * the system consist of following no. central station (exchange) 500          * the communication way between the control station and the          * the system able to be connected with fier alarm system and          * istallation including all necessary accissories          * warrenty one year from operation time          maintenance tow years after period of warrenty          * spare parts for 3 years          * traning on factory of equipment and local training during</p>	
02-06-00557	<p><b>specification of fire fighting system (automatic - sprinkler</b>          design manfacutre diliver and installation of an automatic roop          site specification :-          1- effective warehouse area 8000 m2 , height 10m          2- effective warehouse area 12500m2 , height 6m</p>	



3- effective warehouse area 2000 m2 , height 4.5m	
4- effective warehouse area 2500 m2 , height 11m	
5- effective warehouse area 10000 m2 , height 5m	
6- effective warehouse area 25000 m2 , height 14m	
7- effective warehouse area 20000 m2 , height 8m	

the equipment requirement

a- all necessary pipe work fitting hanger and sprinkler heads |

b- all necessary installation controlling valve and under ground main to

c- pump house complete with pipe work including valves and fittings

d- three automatic fire pumps two electrical and one diesel driven each rated

e- one cylindrical galvanised steel water storage tank with an effective capacity

f- an electrically operated and pully automatic jockey pump |

g- complete electrical control boards

h- eight fire extinguishers and fire cabinets with hose

i- spare parts for 3 years

j- warranty one year ( label + material) and two year maintenance |

k- training of factory of equipment for 3 technicians

<b>02-06-00558</b>	<b>transformer</b>	
	1000 kva , 11 kv/380 v , 2500a, delta /star , 50 hz , oil cooling	
	2000 kva , 11 kv/380 v , 2500a, delta /star , 50 hz , oil cooling	
	630 kva , 11 kv /400v-240v, delta/star, 50 hz ,oil cooling	
	360 kva , 11kv / 400-240v, delta/star ,50hz , oil cooling	

**pumps**

	<b>pump use</b>	<b>head m</b>	<b>q l/min</b>	<b>size</b>	<b>kw</b>	<b>volt</b>	<b>type</b>	<b>no</b>
<b>02-06-00559</b>	fire pump /fp1	90	750	100	22	380	centrifugal pump	
<b>02-06-00560</b>	lift pump /lp1	50	1400	125	22	380	centrifugal single suction	
<b>02-06-00561</b>	lift pump /lp2	25	750	50	5.5	380	single suction volut pump	
<b>02-06-00562</b>	chilled water pump p-2	20	6150	20x150	30	380	centrifugal pump	
<b>02-06-00563</b>	chiller water /p-3	38	2320	125x100	30	380	centrifugal pump	
<b>02-06-00564</b>	chiller water /p-4	38	4980	200x150	45	380	centrifugal pump	
<b>02-06-00565</b>	chiller water /p-5	47	4520	150x125	55	380	centrifugal pump	
<b>02-06-00566</b>	condenser water pump p-1	20	7580	200x150	37	380	centrifugal pump	
<b>02-06-00567</b>	softener pump p-11	25	160	40	2.2	380	in line pump	
<b>02-06-00568</b>	lift pump p-12	55	100	40	3.7	380	single suction	
<b>02-06-00569</b>	make up water pump p-13	15	180	40 p2	1.5	380	centrifugal pump	
<b>02-06-00570</b>	condenser water pump p-14	15	70	65x40	1.5	380	centrifugal pump	

02-06-00571	circulation hot water pump p-6	10	1410	100x50	3.7	380	centrifugal pump
02-06-00572	circulation hot water pump p-7	37	480	65x4	5.5	380	multy stage centrifugal
02-06-00573	circulation hot water pump p8	36	1250	125x2	15	380	multy stage centrifugal
02-06-00574	circulation hot water pump p-9	45	1100	100x3	15	380	multy stage centrifugal
	1-give complete catalag for the pump 2- 5 years spare part 3-training for the staff 4-grante for one year operation 5-installation for one site. 6-the meal of the pump must be suitable to have long lifte with the type of						
02-06-00575	<b>softener pump</b>						
	<b>kw</b>	<b>r.p.m</b>	<b>Q L/S</b>	<b>Hm</b>	<b>QTY</b>		
	2.2	1500	5.5	15			
	5.5	1500	20	25			
02-06-00576	<b>water pump for tower</b>						
	<b>kw</b>	<b>r.p.m</b>	<b>Q L/S</b>	<b>Hm</b>			
	2.2	1500	7.5	12			
	7.5	1500	16	27			
	15	1500	33	25			
	37	1500	108	23			
	22	1500	75	20			
02-06-00577	<b>boiler feeding pump</b>						
	<b>kw</b>	<b>r.p.m</b>	<b>Q L/S</b>	<b>Hm</b>			
	5.5	3000	16.6	80			
	4.5	3000	6	13			
02-06-00578	<b>chemical dosing pump/ with 500 litter tank and mixer variable</b>						
	<b>kw</b>	<b>r.p.m</b>	<b>Q L/S</b>	<b>Hm</b>			
	0.3	1500	5	60			
02-06-00579	<b>horizontal pump</b>						
	<b>kw</b>	<b>r.p.m</b>	<b>Q L/S</b>	<b>Hm</b>			
	1.1	1500	2	15			
	5.5	3000	15	60			
02-06-00580	<b>vertical pump</b>						
	<b>kw</b>	<b>r.p.m</b>	<b>Q L/S</b>	<b>Hm</b>			
	2.2	3000	7	50			
	4	3000	3	85			
02-06-00581	<b>circulation pump</b>						
	<b>kw</b>	<b>r.p.m</b>	<b>Q L/S</b>	<b>Hm</b>			
	2.2	1500	5.5	25			
	5	3000	3	8m (hot water)			
02-06-00582	<b>submersible pump</b>						
	<b>kw</b>	<b>r.p.m</b>	<b>Q L/S</b>	<b>Hm</b>			
	3	3000	3.5	15			
	7.5	1500	20	15			
	22.5	3000	125	13			
02-06-00583	<b>fire pump</b>						

kw	r.p.m	Q L/S	Hm	
0.75	3000	1.5	60	
5.5	1500	21	35	
37	3000	33	66	

02-06-00584	water pump for heating			
kw	r.p.m	Q L/S	Hm	
2.2	1500	12	21	
5.5	1500	10	25	
7.5	1500	82	15	
11	1500	28	22	
15	1500	18	45	
18.5	1500	36	33	

**ware house requierment**

**02-06-00585** folding end trolleys capacity 150 kg

**02-06-00586** manual and electric stackers capacity 250 kg

**02-06-00587** folding work shop caranes capacity 1000 kg at 1 m

**02-06-00588** cylinder trolly capacity 200 kg

**02-06-00589** sterilizing water for theter room ultraviolet water purifiers  
 Water sterilizing system to treat water for theater rooms. The  
 \_ Installation of the system,  
 \_ 2 years full warranty,  
 \_ 3 years maintenance post warranty period,  
 \_ training of professionals at the manufacturer factory (ies), and  
 \_ Local training of staff.  
 The offer should include a detailed priced list of recommended  
 An irrecoverable complete sample system should be delivered  
 The system should be composed of the following units;  
 A. A pretreatment filtration unit of (2-3) stages with the final stage  
 B. Compact water softener (50% OF Qty).  
 C. UV sterilization unit with adequate power to insure efficient  
 \_ be of stainless steal,  
 \_ have quick lamp change,  
 \_ have lamp life not less than 8000-10000 hours of continuous  
 \_ Have UV intensity sensor and control unit with indicator light.

**02-06-00590** **VEHICLE PICK-UP DOUBLE CABIN**  
 1. PETROL ENGINE WATER COOLED  
 2. MANUAL GEAR BOX, FLOOR SHIFT  
 3. STEERING POWER STEERING LEFT HAND DRIVE  
 4.ELECTRICAL EQUIPMENT'S: BATTERY 12V-60AMP HEAVY  
 5.AIR-CONDITIONING FOR DRIVER CABIN (HEATING AND  
 6. SUSPENSION: HEAVY DUTY  
 7. TIRES WITH TUBES: SUITABLE FOR DIFFERENT ROADS  
 8. CABIN: SINGLE CABIN WITH DOOR IN EACH SIDE.  
 9. MIRRORS: TO BE EQUIPPED WITH TWO SIDES MIRRORS  
 10.ACCESSARIES: TO BE EQUIPPED WITH JACK + WHEEL  
 11.LOADING CAPACITY: FROM (1-2)TONS  
 12.ALL MATERIALS INSERTED IN THE CONSTRUCTION OF  
 13.MAINTEMANCE FOR ALL VEHICLES FOR TWO YEARS ON

**02-06-00591** digital camera

**02-06-00592** data show

**02-06-00593** **MCR FUMIGATOR**  
 empty wieght 7KG  
 diamination :- 35x32x36 cm  
 tention 220V  
 power 100watt  
 capacty:- 1 liter (formaldhad)

**02-06-00594** **air handlig unit**  
 capaseity = 10 - 15 ton  
 RPM = 1500 - 3000  
 HP = 7 1flew rete = 30m^3/hr  
 No. of Row 3  
 heating =hot watr  
 type of filter = Mesh type (G.S) sheet washable  
 Volt = 380V / 3pH / 50HZ

02-06-00595	<p><b>air handlinunit</b>  capacity = 80ton heating hot watir  no. of row = 3  HP=25  R.P.M =1500 - 3000  type of filter = Mesh type (G.S) sheet- washable  Volt = 380V / 3pH / 50HZ</p>	
02-06-00596	<p><b>air handlinunit</b>  capacity = 30ton  heating =hot watr  flow rett=23000M^3/hr  No. of Row 3  HP = 15  RPM = 1500 - 3000  Volt = 380V / 3pH / 50HZ  type of filter = Mesh type (G.S) sheet- washable</p>	
02-06-00597	<p>capacity = 20ton  HP = 7.5  heating =hot watr  No. of Row 3  R.P.M =1500 - 3000  type of filter = Mesh type (G.S) sheet-  Volt = 380V / 3pH / 50HZ</p>	

—

—





















































$\lambda/kw$
Kw
46
37
13.6
22.8
8.9
22.6
8.9































































































