

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

Code	Capacity M3/MIN	Head M	Speed R.P.M	Power KW	Volt	V	Qty.
<b>02-06-00001</b>	0.15-0.1	0.365015-0.4	3000	1.5	220 or 380V	50 HZ	140
<b>02-06-00002</b>	1	10	3000	3.7	220 or 380V	50 HZ	140
<b>02-06-00003</b>	0.5	15	3000	3.7	220 or 380V	50 HZ	60
<b>02-06-00004</b>	1	22	3000	7.5	220 or 380V	50 HZ	60

<b>02-06-00005</b>	<b>Equipment: Package unit</b> complot with supply cold air directly by duct to the building. cap: 20 ton inside temp : 18 C 380 v. , 3 pH , 50HZ , gas R22	300
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<b>02-06-00006</b>	<b>Equipment: Air Cool ed 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	80
<b>02-06-00007</b>	<b>Equipment: Air Cool Ed 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-22 380 V 50 HZ	100
<b>02-06-00008</b>	<b>Equipment: Window type air-condition with heater</b> Cap : 2 Ton GSA R-22 220 V 50 HZ , 24000 BTU	12000
<b>02-06-00009</b>	<b>Equipment Split Unit with heater</b> Cap : 2 Ton GSA R-22 220 V 50 HZ , 24000 BTU	1800

**TIRES**

<b>02-06-00010</b>	600x14	High Quality	4000
<b>02-06-00011</b>	650x14	High Quality	5000
<b>02-06-00012</b>	700x15	High Quality	6000
<b>02-06-00013</b>	750x16	High Quality	5000
<b>02-06-00014</b>	205x16	High Quality	6000
<b>02-06-00015</b>	650x16	High Quality	2000
<b>02-06-00016</b>	1200x20	High Quality	4000
<b>02-06-00017</b>	1100x20	High Quality	4000
<b>02-06-00018</b>	1200x24	High Quality	1200
<b>02-06-00019</b>	1000x20	High Quality	800

**Acid batteries**

<b>02-06-00020</b>	45Amp x12V	High Quality	200
<b>02-06-00021</b>	60x12	High Quality	400
<b>02-06-00022</b>	75x12	High Quality	200
<b>02-06-00023</b>	90x12	High Quality	400
<b>02-06-00024</b>	110x12	High Quality	300
<b>02-06-00025</b>	130x12	High Quality	400
<b>02-06-00026</b>	180x12	High Quality	400

**02-06-00027 Equipment : Blood bank refrigerator** 500

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

2- Double compressor units for additional safety work with ferine R 12 or R 22

3-inside and outside materil: stinless steel

4-audible/ visual and extenai alarms with battery

Low alarm: 0 C

High alarm: + 10C

5 – Automatic defrosting

6- 7Day recorder

7- 220V, 50HZ, 3PH

Training for 2 engineer two weeks

Spare parts for 5 years

**02-06-00028 Equipment : air compressor** 40

Air compressor complete (compressor + motor) with out tank will be suitable to be initialed in the tank of the old model with this information .

Air compressor :

Type LE7 ATLAS COPCO

S.N : AML 107283

Max working pre bar (2)(10)

Max speed R.P.M 1800 , made in sweeden 1983

Motor:

Type LS 112MI

No: 618627, 4KW, 1430 R.P.M

(220 V , 15.2A / 380 V,8.8A) , 50 HZ

training for engineers

spar part for 3 year

complete catalog for maintenance operation and installation

**02-06-00029 Equipment:- cooling tower**

Capacity :150 ton	18
200 ton	11
100 ton	13
50 ton	28

Water temp. 38/ 30 C?

Complete cooling tower must be separate motor for each blower and will work in high

Humidity wetter 60 % Humidity and total hardness is for water 500ppm

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.

Complete catalog for spare part and operation maintenance catalog

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.

WBT 25 deg.C

Winter: DBT 1 deg.C

WBT -3 deg.C

Internal volume of the store: 3x4x3 M3

Required quantity: freezing stores

A) Construction :

1- Freezers shall be shipped in knock- down sections easy to re- erect

2- Cabinet interior shall be made of heavy corrosion proof aluminum, floor made of heavy gauge anti- slip aluminum

3- Cabinet exterior shall be made of aluminum, coated with a white weather proof coating to make it suitable for out- door installation

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

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	QTY.
1-	compressor	60
2-	Evaporator motor fan	60
3-	Blades for evaporator	20
4-	condenser motor fan	60
5-	Blades for condenser fan	20
6-	Thermometer	40
7-	Thermostat & alarm thermostat	60 Set
8-	High-low pressure cut out	60
9-	Oil pressure cut out	60

10- Door gasket with heater	40
11- Contactor for compressor	60
12- Relays & electrical switches & klaxon	60 Set
13- Defrost heaters	60 Set
14- Automatic electric defrost	60
15- Automatic alternator for reverse sequence	60
16- Internal light bulb	180
17- over load	60 Set
18- Expansion valve	60
19- filter drier	60
20- Fuses of different writings	60 Set
21- solenoid valve	60
22- alarm horn	20
23- micro switch & spare for air curtain	20
24- operating switches	40 Set

#### E). TESTING AND GUARANTEE

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

#### F). TRAINING

Tendered shall train two persons on the repair & maintenance of the equipment, each person for aneroid of one month in his firm tendered shall bear all costs including return air tickets full board & lodging and any other expenses.

#### G). INSTALLATION

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.

#### \*\*NOTE\*\*

Load calculations & photos of freezing stores shall be sent with the offer

**02-06-00031 Equipment : TRANSFORMER**  
220 V - 97 V

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<b>02-06-00032 Equipment : Vegetable and fruit cold stor</b>	200	
Cold store for the purpose		
Noose walk in cold stores temperature raining from (-5 c) to (+15 c) at the flowing ambient conditions :		
summer : DBT 50 C		
WBT 25 C		
winter : DBT 1C		
WBT -3 C		
Internal volume : not less than 50 cubic meters		
A) construct ion :		
1- cold stores shall be shipped in knock – down sections to re-erect		
2- cabinet interior shall be made of heavy corrosion proof aluminum, floor made of heavy gauge anti – slip aluminum		
3- cabinet exterior shall be made of aluminum , coated with a white weather proof coating to make it suitable for out-door installation		
4-In sultan shall be sufficient to maintain the specified internal temperature in the specified ambient condition but shall be not less than 10 cm of polyurethane		
5- Door shall be constructed of aluminum & shall have an external lock with keys. Door handle can be operated from inside & outside. Low voltage heater wire strip with electrical control shall be provided. Apish-button shall be fitted inside to sound an alarm in case of person is trapped		
6- light- weight shade to protect the cabinet from rain & sun to be fitted on top of it.		
Shape size & material of shade shall be suggested by the tendered		
7- external dial thermometer must be provided		
8- Audio & 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- Shelves shall be made of strong galvanized steel positioned on all sides		
shelves shall be grid type.		
B) .REFRIGERATION SYSTEM		
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 aluminitium 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	QTY.
1-	compressor	16
2-	Evaporator motor fan	16
3-	Blades for evaporator fan	8
4-	condenser motor fan	16
5-	Blades for condenser fan	8
6-	Thermometer	16
7-	Thermostat & alarm thermostat	16 Set
8-	High-low pressure cut out	16

9- Oil pressure cut out	16
10- Door gasket with heater	16
11- Contactor for compressor	16
12- Relays & electrical switches & klaxon	16 Set
13- Defrost heaters	16 Set
14- Over load	20
15- expansion valve	20
16- filter drier	20
17- fuses	20
18- solenoid valve	10
19- alarm horn	10
20- micro switch &spare for air curtain	5
21- operating switches	20
22- alarm horn	20
23- micro switch & spare for air curtain	20
24- operating switches	40 Set

#### 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:-

- 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.

<b>02-06-00033 Equipment : computer</b>	6000
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 disckettes	
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	
<b>02-06-00034 Equipment : Softeners</b>	100
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	
mountenace operation catalog.	
- Training for 2 Engineers +2 Technician	

<b>02-06-00035 Equipment : Softeners</b>		100
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 :-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		
mountenace operation catalog.		
- Training for 2 Engineers +2 Technician		
<b>02-06-00036 Equipment : hospital lift complete</b>		
QTY As below		
Site:-saddam Medical city general hospital		
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		
2PCS		
2- As above but bed lift 4-Floor for Saddam General Hospital	2PCS	
3- As above but 6- Passengers 4- Floor for Saddam General Hospital		
4PCS		
4- As above but 6- Passengers 7- Floor center open for Central Child Hospital		
6PCS		
5- As above but bed lift 7- Floor for Central Child Hospital	4PCS	
6- Cargo lift 2 floors load 4000Kg side opening dongs for Basra drug stores		
2PCS		
7- As above but 1400 Kg 7-Floor for Saddam Teaching Hospital in Basra		
4PCS		
8- As above bedlift but 1800 Kg 2- Floor for Tahrer Hospital and Basrah Funeral		
Hospital.	10PCS	
<b>02-06-00037 Fork Lift (2Ton)</b>		80
1.DIESEL ENGIN 4 CYLINDER WATER COOLED		
2.BATTERY 12V		
3.NORMAL HYDROLIC GEAR		
4.MAX HIGHT 3.5M		
<b>02-06-00038 Absorption chiller</b>		60
550 TON		
<b>02-06-00039 High tension switch gear</b>		
1-aircircuit breaker 1600A AH-16B	6	
2-aircircuit breaker 1600A AH-16B	6	
3-battery 100V QSC-SOE		
4-battery 24V AMH--SOE		
5-printed circuit breaker AED-6A		
6-printed circuit breaker D2-100		
7-high VGE oil lubricant 11KV	4800LT	

<b>02-06-00040</b>	<b>Paging system</b>	94
	1-Complot paging system compressing control station and 5 W transmitter maximum rang less than 1000 m and 100 radio receiver	
	2-the system should be either independent or interfacing with any type of exchange	
	3-installation on site for 6-system and training technicians of other sites during installation to install the other system	
	4-training on factory for 5 engineers for 2 weeks	
	5-complot sets of manuals installation and manta enamel	
	6-spare parts for 2 years	
	7- greenery for one year and one maintenance	
<b>02-06-00041</b>	<b>Equipment: Freezers</b>	700
	Volume : 16 ft3	
	Temperature: from 00C to -300C.	
	220V ,50HZ, 1PH	
	compressor : Tecumseh or Danffos	
	frion use : R12 or R22	
	Dial thermometer outside	
	the door have lock	
	Inside wall for freezer Aluminum plate.	
	Freezer has alarm system when temp. low or high	
<b>02-06-00042</b>	<b>Equipment: Vaccines and medicines refrigerator</b>	2000
	Volume : 16 ft3	
	Temperature: from 00C to 300C.	
	220V ,50HZ, 1PH	
	compressor : Techumsuh or Danffos	
	frion use : R12 or R22	
	Dial thermometer outside	
	the door have lock	
	Freezer has alarm system when temp. low or high	
	<b>Equipment: kitchen equipment</b>	
	Company / manufacture: European	
	Site:saddam medical city	
<b>02-06-00043</b>	<b>Mobile sink</b> capacity 220 liter dimension 800X600X500mm total high 650 mm	
	12	
<b>02-06-00044</b>	<b>Mobile sink</b> capacity 220 liter dimension 800X600X500mm total high 650 mm	
	12	
<b>02-06-00045</b>	<b>Equipment: Steam Boiler for heating (5 ton/hr)</b>	82
	A) Steam Boilers	
	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-Contactor 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 thermostat icily 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 chemical supply suitable for 5 tons of steam supply must be included.
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 dual 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	caco3	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 rent 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) 120**

Nos. Fully 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.

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

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

**02-06-00047 EQUIPMENT : HOT WATER BOILER (1 TON/Hr)**

216

roting : 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 equipped 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

**TYRE**

**02-06-00048 600X 14 2000**

**02-06-00049 700X 15 1000**

**02-06-00050 750X 16 4000**

**02-06-00051 1200X 20 2800**

<b>02-06-00052</b>	1200X 24	1000
<b>02-06-00053</b>	3007436/007	96
<b>02-06-00054</b>	3007436/004	96
<b>02-06-00055</b>	2003087/001	48
<b>02-06-00056</b>	2003087/002	48

**BATTERY**

<b>02-06-00057</b>	60 AMP	4268
<b>02-06-00058</b>	90 AMP	806
<b>02-06-00059</b>	135 AMP	1104
<b>02-06-00060</b>	540 AMP	296
<b>02-06-00061</b>	530 AMP	50
<b>02-06-00062</b>	30	484
<b>02-06-00063</b>	200	512

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

**Equipment: kitchen equipment**

Company / manufacture: European

Site: saddam medical city

**02-06-00064 Steam heated boiling pan** 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 12

**02-06-00065 Equipment : KIMADIA COMPUTER SYSTEM**

THIS SYSTEM IS DESIGNED AS THE FIRST STAGE SOLUTION FOR COMPUTERISING THE STOCK MOVEMENTS OF MEDICAL ITEMS IN THE 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 TECHNOLOCHY,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 LAIDED 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- ORGALE 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- 4  
 -12.1 Active matrix display  
 - 200 MMX Intel Pentium processor  
 -512 Pipelined burst cache  
 - 32 MB EDO RAM  
 -2GB HDD (8ms)  
 -16X CD-ROM (removable)  
 - 1.44 3.5" Floppy disk drive  
 - 4 MB EDO PCI Graphics  
 - Zoomed video port ,video in jack  
 Infrared interface support  
 Arabic/ English key board  
 - 16 Bit built in sound W/Speakers  
 Integrated personal touched  
 - Two type II/ One type III PCMCIA slot  
 - Rechargeable batteries (+2 Extra batteries)/ AC Adapter (220 V AC )/charger  
 Mobile care adapter  
 - Arabic windows 95 + MS plus! + MS office Professional with book shelf for

windows 95, including original CD 'S & manuals

Deluxe carrying case  
 - Hp Laser jet 6P printer with 10MB Memory + 10 extra toners 2  
 Multimedia projector with the following minimum specifications 2  
 - 800 x600 SVGA  
 Power zoom focus  
 - 500 ANSI Lumens  
 video capable  
 Wireless PC mouse

recommended spare parts including Extra bulb  
 PUS, APC back -UPS pro 1250 2

Video camera with all accessories (VHS) 20

Television 20

Video with all accessories 20

Trans code 20

Recorder with all accessories 20

Photo camera 20

Over head projector 20

Slide projector with accessories 20

**02-06-00067 MANUAL HYDROLIC JACK** 40

TYPE TROLLY JACK

CAPACITY : 1TON 0.250TON

**02-06-00068 MANUAL MECHAMICAL JACK (0.250TON)WITH SPARE PARTS FOR TWO YEARS** 4

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,apohlestered chairs stainless steele fram,sliding glass windows with curtains,rubber mat floor, tinted windshield , stereo radio-recorder,ceiling hanging grips,	1000
<b>Equipment: kitchen equipment</b>		
Company / manufacture: European		
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	6
<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	6
<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	4
<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	4
<b>02-06-00074</b>	<b>Potato peeler</b> mounted on astounds, 3 pH, .5 KW dimensions approx. 500X750X 1000mm capacity approx. 28 I Bs /load materials stand of cast iron cylinder of aluminum	2
<b>02-06-00075</b>	<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	4
<b>02-06-00076</b>	<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	4
<b>02-06-00077</b>	<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 knifes s/s spanners	4
<b>02-06-00078</b>	<b>Heavy duty meat</b> miner 380 V 50HZ 1.5 KW capacity approx. kg/hour 300, diameter of rotating knives 82 mm dimension approx. 400X470X 500	6
<b>02-06-00079</b>	<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
	4 ½ , 13mm cutting plates and one four bled knife mashing machine	
<b>02-06-00080</b>	<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	12
<b>02-06-00081</b>	<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	12

	<p>- 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</p>	
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 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	28
02-06-00083	<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	4
02-06-00084	<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	30
02-06-00085	<b>Equipment : air compressor with motor</b> Site/saddam Medical city	26

diesel starting  
motor : 2.6 KW , 3PH, 380V, 50HZ, 1500 rpm 0.065 m3/min 2.3 CFM  
max working pressure: 3200 PSI,

**02-06-00086 Equipment : Incinerator** 200  
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 & 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 : suitable to burn complete human corps 2 at time . Kg/day during 6  
hours /day during 6days / week corresponding to an hourly capacity of 100 kg/hr.

Design : incinerator of the pyrolytic type are preferred . it should be able to operate  
the incinerator as follows:

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 .

incinerator must be equipped with primary and one secondary ( pilot ) burner . the  
fuel consumption of the burners is to be indicated in the offer .

control : automatic control with all necessary switches , lamps , gauges , etc. in  
order to ensure automatic operation of the incinerator .

electrical supply : 220 - 380 V , 50 cycle

chimney : stainless steel chimney of sufficient length and diameter with spark  
arrest.

fuel oil tank : fuel oil tank made from steel plate , sand plastid and provided with  
protecting paint, sufficient for one month incineration for both burners including tank armatures .

various : all motors to resist tropical conditions

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.

**02-06-00087 Equipment : kerosene refrigerator** 450  
refrigerator work with electric heater & kerosene

- size 12 ft3

dial thermometer on the door

- refrigerator have tow door first for freezer & the second for refrigerator .

**02-06-00088 Equipment : meat cold store** 300  
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

**A : CONSTRUCTION :**

1- freezers shall be shipped in knock - down section easy to re- effect .

2- cabinet interior shall be made of heavy corrosion - proof aluminum - floor made  
of heavy gauge anti- slip aluminum ( Sequa plate) .

3- cabinet exterior shall be made of aluminum coated with a white weather - proof  
coating to make it suitable for out- door installation .

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 .

5- door shall be constructed of aluminium 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 a person is trapped inside .

6- shelves and hangers shall be made of strong rust - proof materials . Shelves shall be grid type the quarters of the space shall be occupied by shelves the rest by hangers .

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

8- dial thermometer

9- audio and visual alarm for high temp .

10- sufficient internal lighting automatically switches on when door opens

11- air curtain the door operates automatically when door opens

## **B- REFRIGERATION SYSTEM**

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 for 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 place 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 dir/ers

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 :**

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 costs including return air - fair , full - board lodging and any other expenses .

### **C : INSTALLATION :**

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 .

### **NOTES**

1-fresh meats shall be brought 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

#### **02-06-00089 EQUIPMENT: SUB – STATION**

1500METERS

SITE: SADDAM MEDICAL CITY  
BUSWAYS, 1600 AMP. RATING .

AS ABOVE BUT BETWEEN MV MAIN SWITCH BORD NAD TO 9-CHILLERS  
EACH 1500 AMP. FLC

#### **02-06-00090 submersible pump for spring well**

bore\_hole pump=120meter head flow =7L/sec multi stage  
submersible pump = 380V 3PH 50HZ with spare parts for 5years

8

**02-06-00091 Computer & Communication system** to cover KIMADIA central, Doha, and sector warehouses. with high specs, UPS s, printers and universal bar code readers.

2

#### **02-06-00092 Mechanical Governor control**

10

#### **02-06-00093 Water pump**

10

#### **02-06-00094 cooling tower**

66

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 :-

Which is same capacity as 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 :-

Fins  
Belt

Shaft  
Spray nozzle  
Bearing  
Blower  
Nozzle  
Motor complete  
Ball float valve

**02-06-00095 H.T. System** 80

We need to supply of eight H.T breaker with the specification below for each H.T breaker :-

**Connections**

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)

All the H.T. breaker connected to earth switch individually in case of maintenance.

? We need

Recommended spare part includuring 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

**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

**02-06-00096 SHORT LIST FOR MATERIALS FOR CENTER OF NEUROLOGY (EQUIPMENTS AND SPARE PARTS AND ALL ACCESSORIES )**

4

Materials for mechanical works

Including refrigerant gas

Centrifugal or reciprocating water chiller 230 ton

**02-06-00097 A.H.U W/accessories** 22

**02-06-00098 Condenser Evaporate and Boiler pumps**

12

**02-06-00099 Heap filter(60 x60cm)for O.R**

260

**02-06-00100 Perforated diffusers for O.R**

10 4-3x3m &1-3.2x3.2m

**02-06-00101 El.Bd. W/temp and humidity sensors for O.R**

12

**02-06-00102 MATERIALS FOR SANITARY WORKS**

Lot

**Central medical gases system**

<b>02-06-00103</b>	<b>Stainless steel scrub-up basins</b>	
10	W/accessories	
<b>02-06-00104</b>	<b>Oxygen plant</b>	lot
<b>02-06-00105</b>	<b>MATERIALS FOR ELECTRICAL WORKS</b>	
	Nurse call system	lot
<b>02-06-00106</b>	<b>Bed head unit</b>	13n.st W/accessories
Different types		208
<b>02-06-00107</b>	<b>Fire alarm system</b>	lot
Sys. W/accessories for 12 zones		
<b>02-06-00108</b>	<b>Central clock system for O.R</b>	
lot 1-master plus 5-slave		
<b>02-06-00109</b>	<b>Generator set (800 KVA)</b>	2
<b>02-06-00110</b>	<b>Bed passenger lift</b>	4
<b>02-06-00111</b>	<b>Sound reinforcement system</b>	
Lot		
<b>02-06-00112</b>	<b>Emergency exit light</b>	60
<b>02-06-00113</b>	<b>UPS system</b>	12
3-5kw plus 3-7kw		
<b>02-06-00114</b>	<b>Sparkles switch socket</b>	164
Different capacities		
<b>02-06-00115</b>	<b>Materials for civil works</b>	Conductive PVC
tiles for O.R dept		
540m^2W/accessories and adhesives		
<b>02-06-00116</b>	<b>Ceiling panels for O.R</b>	
210M^ 2 W/accessories and hangers		
<b>02-06-00117</b>	<b>Wall panels for O.R</b>	
560M^2 W/accessories and built in items		
<b>02-06-00118</b>	<b>PVC skirting for O.R dept</b>	
5002.M W/accessories and adhesives		
<b>02-06-00119</b>	<b>Equipment : pumps</b>	40
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	
<b>02-06-00120</b>	<b>-set of repining kit for the pump (NE 6 x16)</b>	48
<b>02-06-00121</b>	<b>Complete pump + motor (NE3 x16)</b>	
60		
	Q= 15 m3/hr H=30m	
	3ph COs Q 0.9, r.p.m=2850 400V	
<b>02-06-00122</b>	<b>-Set of repining kit for the pump (NE 3x16)</b>	
72		
<b>02-06-00123</b>	<b>Accessories</b>	4
	Microtck scanner A3 size (color)	
<b>02-06-00124</b>	<b>Printer HP Desk jet 890C</b>	
4		
<b>02-06-00125</b>	<b>Digital Camera (Sony)</b>	4
<b>02-06-00126</b>	<b>Video in card (MPWGENCODER)</b>	
2		
<b>02-06-00127</b>	<b>Plotter A0 size (Disk jet color)</b>	
2		
<b>02-06-00128</b>	<b>Multi Media Projector</b>	4
<b>02-06-00129</b>	<b>Jackboot (20 CD changer) for Libra</b>	
2		
<b>02-06-00130</b>	<b>Copy Machines</b>	4
	Minolta photocopy machine 2080	

02-06-00131	<b>Kiss graph machine copy</b>	speed (60-130 copy per minute) GR-1750 or GR-3750
	2	
02-06-00132	<b>Video and calling system requirement</b>	
	120	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>	80
02-06-00134	<b>Amplifier for current audio calling system</b>	40
02-06-00135	<b>Video recorder U-Match</b>	40
02-06-00136	<b>Video Recorder VHS</b>	10
02-06-00137	<b>Video Caddie U-Match</b>	1000
02-06-00138	<b>Video Caste VHS</b>	200
02-06-00139	<b>Equipment:-Pegging system</b>	
	12	-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>	
	24	
	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
		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

**02-06-00141 Equipment:- Package unit package complete which supply cool air directly by duct to the building**

300

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

**02-06-00142 pentium 333MHZ MMX (INTEL) COMPLIENT WITH YEAR 2000 (XION)**

80

MINITOWER CASE  
64MB RAM (512CACHE)  
UP TO 5GB HDD  
15" SVGA MONITOR WITH 8MBAGP CARD (SVGA)

144 FDD (3.5)"  
104 AIL KEYBOARD +(MOUSE &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  
PETIUM 333MHZ MMX (INTEL) COMPLIENT 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&PAD)

CD-ROM 32X SPEED  
LAN CARD 32BIT (PCI)  
WITH 1.4 APC UPS  
TYPE 3  
PETIUM 300MHZ MMX (INTEL) COMPLIENT 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 & 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

**Equipment:fan coil unit**

COMPANY NAME: wesper

02-06-00143	COMPLETE FAN COIL TYPE V.P.N 61 SINGLE SHAFT	600
02-06-00144	COMPLETE FAN COIL TYPE V.P.N 81 DOBLE SHAFT	240
02-06-00145	COMPLETE FAN COIL TYPE V.A.C 41 SINGLE SHAFT	48
02-06-00146	COMPLETE FAN COIL TYPE V.A.C 81 DOBLE SHAFT	36
02-06-00147	COMPLETE FAN COIL TYPE V.A.C 111 DOBLE SHAFT	36

SUPPLY MAINTENANCE AND OPERATION AND INSTALLATION AND SPARE PART CATALOG

TRAINING OF OYR STAFF IN MAINTEANCE FACTORY

SPARE PART FOR 5 YEARS INCLUDING THER MOSTAT MOTOR SELECTOR SWITCH

SUPPLY COMPLETE UNIT WITH ITS ALL

ACCESSORIES INSTEAD OF OLD MODEL

CONVEC FLEXIFLAME 70 LP GASES

SERIAL NO: 82487612 -02

COMPANY NAME: - CHAFFOTAUX ETMAURY

GINE LIST OF SPARE PART FOR 5 YEAR

SUPPLY COMPLETE MAINTENANCE AND OPERATING AND INSTALLATION AND SPARE PART CATALOG

TRAINING OF OUR STAFF IN MANUFACTURE FACTORY

02-06-00148	EQUIPMENT CHILLER	150
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CAPACITY : 550

CENTRIFYAL TYPE WATER COOLED

SPARE PART FOR 5 YEARS

TRAINING FOR ENGINEAR

SUPPLY OPERATION AND MAINTENANA

CATALOG WITH SPARE PART LIST

INSTALLATION AND OPERATION AND MAINTEANCE FOR ONE YEAR..

02-06-00149	WATER COOLER COMPLATE WITH
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3000

1/4 OR 1/3 HP COMPRESSON 50HZ SINGLE PHASE 220V

SYEARS SPARE PART

TRAINING FOR ENGINEER AND TECH

02-06-00150	Equipment :- Window unit
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4000

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.	
<b>02-06-00151</b>	<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	500
<b>02-06-00152</b>	<b>Equipment :- deep freeze</b> 400 Deep freeze complete unit flat type inside temp. required :- 40 Co	
	220V , single, phase 1 , 50 HZ spare part for 5 years training for engineer and tech Supply catalog spare part and operation and maintenance	
<b>02-06-00153</b>	<b>Equipment :- chiller Air cooled</b> 200 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 sheet 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)	
<b>02-06-00154</b>	<b>Equipment:- cooling tower</b> 44 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.	
<b>02-06-00155</b>	<b>Equipment:- cooling tower</b> 40 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 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.  
Complete catalog for spare part and operation maintenance catalog

**02-06-00156 Minibus 21 Setae**, 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

2for the North

**02-06-00157 Fuel Tanker Scan**, 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)

6 for the North

**02-06-00158 SPECIFICATIONS FOR BLOOD REFRIGERATOR CARS**

100

BIAS VEHICLE:

-ENGINE:

PETROL ENGINE

WATER COOLED

TRANSMISSION: MANUAL FLOOR SHIFT

BRAKE: DRUM BRAKE IN EACH WHEEL WITH BOOSTER ASSIST BARKING  
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

- 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 COMMOTION

- ASSESSORS: JACK AND HANDLE, WHEEL RING, HAZARD TRIANGLE

- SPARE WHEEL 12 WHEELS

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

- TWO DEEP FREEZER (VERTICAL TYPE) EACH CAN CARRY 150 UNIT OF BLOOD DERIVATIVES

- INSIDE TEMP FOR REFRIGERATOR +2C TO +60C

- INSIDE TEMP FOR DEEP FREEZE -30C TO -60C

- AMBIENT TEMP:60C

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

EACH refrigerator and FREEZE have TWO SEPARATING COMPRESSOR (ONE work and ANOTHER STAND BY )

- EACH REFRIGERATOR AND FREEZE HAVE STEIN STEEL STEAD DOOR (NOT GLASS)

- AUTOMATIC DEFORESTING FOR EACH REFRIGERATOR AND FREEZE AND THE DRAIN WATER WILL BE THROWN OUTSIDE THE CAR

- THE REFRIGERATOR AND FREEZER WILL HAVE REMOVABLE DRAWER

- REF. GAS: R12 OR, RR22 OR R502

- TOW MINI COOLING BOXES FOR MANUAL TRANSPORTING THE BLOOD BAGS

- THE GENERAL BOX ARE SUITABLE FOR THE JOB OF THE OPERATION OF BLOOD CARING IN EACH ITEM .AND EQUIPPED BY TWO REAR DOOR OPERABLE TO THE SIDE

- RECOMMENDED SPARE PARTS FOR 5 YEARS

- TRAINING FOR TOW ENG. TWO WEEKS AND ONE DOCTOR FROM BLOOD BANK FOR TWO WEEKS

#### **02-06-00159 Equipment Gas Boiler**

36

Supply complete unit with its all accessories instead of old model conic flexiflame  
70 cp. Gases serial No. 82487612-20

Company name :- CHAFFOTANUX ETMAURY

- give list of spare part for serer  
- supply complete maintenance and operating and installation and spare  
partscatalog

- Training of our staff in manufacture factory

#### **02-06-00160 Centralized cooker s**

6

#### **02-06-00161 Bata peeling machine**

6

#### **02-06-00162 Tomato press**

6

#### **02-06-00163 Horizontal Deep freeze 16" foot**

6

#### **02-06-00164 Washing machine laundry**

6

#### **02-06-00165 Press**

6

#### **02-06-00166 Betts for Iron roller**

132

#### **02-06-00167 Pentium 2 Intel**

60

#### **02-06-00168 CPU 333 MHz with cache RAM 128 MB**

60

02-06-00169	Hard disk 9 GB	60
02-06-00170	SVGA card 4 MBV RAM	60
02-06-00171	17" color SVGA monitor	60
02-06-00172	Screen filter	60
02-06-00173	LAN card 32 Bits	60
02-06-00174	CD -Drive 34 X	60
02-06-00175	Sound D32 Bit 3 D	60
02-06-00176	HP laser jet printer 6p++10 extra toner	
	60	
02-06-00177	Modem Fax card (56.6) KBPS	
	60	
02-06-00178	English/Arabic KB (104 Keys)	
	60	
02-06-00179	MS mouse	60
02-06-00180	Mouse -Peed	60
02-06-00181	3.5 FDD HD	60
02-06-00182	HP Laser jet printer	60
02-06-00183	Extra Black Toner	300
02-06-00184	<b>FORK LIFT (5 TON)</b>	50
	1. DIESEL ENGINE 4 CYLINDER WATER COOLED	
	2. BATTERY 12V	
	3. NORMAL HYDRAULIC GEAR	
	4. MAX HEIGHT 3.5M	

PACKAGE UNIT (AIR COOLED) SCHEDULE															
Cod	No. Req	Summer				Winter			blower		Comp. Load/kw				
		Cooling load kcal/H		Evaporate temp C				Electrical heater		Fresh air (m/h)	Supply air (m/h)	External (mm w.g)	Bower	Kw	
		Effective sensible load	Total load	Entering		Leaving		Kw	No.of stage						
				D.B	W.B	D.B	W.B								
02-06-00185	2	65700	98400	28	17.5	14	9.5	70	2	4980	28050	7	7.5	46	
02-06-00186	2	55200	81900	33	19.8	143	9.5	58	2	4400	22440	6	7	37	
02-06-00187	2	19400	28200	28.4	17.5	14	9.5	20	2	1630	8160	5	2	13.6	
02-06-00188	2	29670	44100	28.4	17.5	14	9.5	31	2	2550	12750	5	3	22.8	
02-06-00189	2	12510	18150	28.4	17.5	14	9.5	12.8	2	1020	5100	5	1.5	8.9	
02-06-00190	2	41000	50500	28.4	17.5	14	9.5	36	2	2720	13600	5	3	22.6	
02-06-00191	2	12510	18000	28.4	17.5	14	9.5	12.7	2	1020	5100	5	1.5	8.9	

02-06-00192	Size of clinker /1st stage 406. 4mm (16") tow	4set
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02-06-00193	Z ND stage :288 .6mm (9)" tow	4set
- 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	Teflon Pistonring 2nd Stacie cood No. E238201	40
02-06-00195	Teflon Piston ring ist stage cood No. E148201	32
02-06-00196	Bull Ring 2nd Stage cood No. E238202	24
02-06-00197	Piston Assy Ist stage cood No. E141600	4
02-06-00198	Discharge valve seat	200 pcs
02-06-00199	inlet valve seat	160
02-06-00200	I- Typethermometer (0-100C)	10

02-06-00201	L- Type Thermometer (0-200C)	12
02-06-00202	THRENAY SOLENOIO VALVE	20
02-06-00203	Oil preserve	10
02-06-00204	Chain over suttee	10
02-06-00205	AIR Pressure switch cood No. G319968	10
02-06-00206	Temperature switches (120-215C) cood no. G631301	10
02-06-00207	Crank shat Assy cood No. D266700	4
02-06-00208	Oilier PIN cood No.	30
02-06-00209	Retaining Ring cood No. D26706	30
02-06-00210	Bearin6 collar cood No. D260707	30
02-06-00211	Bearing Coeur cood No. D260708	30
02-06-00212	Collar cood No. D260709 Flintier	30
02-06-00213	Filigree cood no. D260710	30
02-06-00214	Bolt cood no. D110711	30
02-06-00215	Key cood No. D260712	30
02-06-00216	Oilier sleeve cood no. D260713	30
02-06-00217	Bearing cood No. 0.0260714	30
02-06-00218	Bearing cood No. D260715	3
02-06-00219	Connecting Rods cood No. D111400	30
02-06-00220	Ding end Bolt cood No. D111403	30
02-06-00221	Caste Nut Cood No. D111404	30
02-06-00222	Crank pin Bearing Cood. No. D111406	30
02-06-00223	Wrist P/N Metal cood No. D111407	30
02-06-00224	Cloture P/N cood No. D961814	30
02-06-00225	Cross Head Assy Cood No. D111300	30
02-06-00226	Wrist P/N covers cood No. D111 303	30
02-06-00227	Wrist P/N D111304	30
02-06-00228	Lockwasher Cood no. D111305	30
02-06-00229	Bolt Cood No. 0430765	30
02-06-00230	Destine Rod cood No. E121606	30
02-06-00231	Precision control thick meter 0-3005 Freq. 0-4000	30
02-06-00232	Thermos couple for outlet and inlet Tem.	30
02-06-00233	Tem. Controller T 675A	30
02-06-00234	Ceramic filter	30
02-06-00235	Flexible hose for tank lorry	4
02-06-00236	Ball valve for pump (tank lorry)	4
02-06-00237	Pump Assy for tank lorry	10
02-06-00238	Flexible hose for filling station	4

**02-06-00239 Complot O2 valve for oxygen cylinder type G11** 240

**Water pump**

Manufacture: old type LEF1: any anther new model

Equipment to the following old pump good quietly

Article	Qty of repair kit	Qty of
complete pump		

02-06-00240	Centrifugal pump with motor complete old model : B125/25 name Q forte (m3/h) ; 95 380volt, 50HZ, 3PH	80	20
02-06-00241	Centrifugal pump with motor complete old model :- B 125/20 N Q floweret 9m3/h:160	80	20
	Head:- 26m		
	volt 380 50hz 3ph		
02-06-00242	Centrifugal pump with motor complete old model :- B125/30 Q floweret m3/h : 182 Head:- 21m	80	20
	Volt:- 380 , 50Hz 3ph inletpipe inch :- 5 outlet pipeinch;-4		

<b>02-06-00243</b>	<b>Centrifugal pump with motor</b> complete old model :- B125/25 Q floweret m3/h:- 95	80	20
	Head :- 17m		
	Volt 380, 50Hz,3Ph		
<b>02-06-00244</b>	<b>Centrifugal pump with motor</b>	80	20
	Old model :- B125/30( Hot water )		
	Q floweret (m3/h):- 99		
	Volt:- 380,50 Hz, 3ph		
<b>02-06-00245</b>	<b>Centrifugal pump with motor</b> old model :- B40132	40	20
	R.P.M= 1450		
	Q floweret m3/h =14		
	Head :- 25 volt;- 380 Hz = 50 pH: 3		
<b>02-06-00246</b>	<b>Centrifugal pump with motor</b>	40	10
	Old model :- B80 /35 Qflowrate :- m3/h 50 volt:- 380 , 50Hz,3ph		
<b>02-06-00247</b>	<b>Centrifugal pump with motor</b> old model :- B125/35 Q floweret (m3/h) :60 volt:- 380 50Hz, 3ph	20	10
<b>02-06-00248</b>	<b>Centrifugal pump</b>	20	10
	With motor old model :- bob 80/25 Q floweret m3/h :59 volt:- 380 , 50Hz,3ph		
<b>02-06-00249</b>	<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	20	20

<b>02-06-00250</b>	<b>Drying tumbler</b>				400
	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 cycle when door opened				
	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				
<b>02-06-00251</b>	<b>Press</b>				200
	Capacity 20 kg				
	Stainless steel inner for drum				
	Automatic operation pnognamebel				
	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				

<b>02-06-00252</b>	<b>Steam dryer</b>				300
	capacity 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 be included				
	inlet and out let flexible steam pipes exheust flexible pipe 6m for each automatic start -stop starter ,steam trape cylinder material should be corrosion - proof itemized and speratly priced spare part list for 3 years				
	operation installation repaier and spare parts manual with each tumbler				
	connection to 380 V 50 HZ 3PH				

<b>02-06-00253</b>	<b>iron steam</b>				200
	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				
	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				
<b>02-06-00254</b>	<b>Flat work ironed machine</b>				300
	electrically heated press roller to 1.5 m length automatic lifting and lowering of cylinder heat control fingers - protection feeding and receving 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				

<b>02-06-00255</b>	<b>Washing machine</b>				300
	Capacity up to 50 kg/load (dry weight)				
	heating :steam (6-8 bar)				
	drumins stainless steel 18/8				
	operated by programme card and push button for manual reverse drum action				
	safty lock on door unbalance switch				
	G- factory :500 g				
	fitting and flexible pipes 1.5 m in cluded				
	connection to 380 v 50 hz 3 ph				
	domestic 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				

<b>02-06-00256</b>	<b>Washing machine</b>				300
	Capacity 20 kg/load (dry weight)				
	heating :electric element				
	drum stainless steel 18/8				
	operation by push button 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				
	domestic water pressure supplied 0.5 bar				
	itemized and speratly priced 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>02-06-00257</b>	<b>Washing machine</b>				300
	Capacity 30 kg/load (dry weight)				
	heating :electric element				
	drum stainless steel 18/8				
	operation by programme card and push button for manual reverse drum action				
	safty look on door				
	fitting and flexiable pipes 1.5 m in cluded				
	connection to 380 v 50 hz 3 ph				
	domestic 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				

<b>02-06-00258</b>	<b>Press</b>				200
	Capacity 50 kg				
<b>02-06-00259</b>	<b>hydro extractor</b>				300
	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</b>				100
	70				

<b>02-06-00261</b>	<b>Drying to LBG gas dryer</b>			4
<b>02-06-00262</b>	<b>Hot water boiler</b>			60
	Capacity 2000 KG/hr			
	Working presser 10 bar			
	Automatic control for safe, starting and operation, automatic blow down valve, safety valve .			
	Burner : dual fuel L.P.G gas or light gas oil			
	Automatic operation isolated skid mounted ready for connection and operation			
	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>		100	
	Complete paging system with its control station and 5 watt transmitter and 100 radio receives .			
	The system either independent or interfacing with telephone exchange			
	supply complete maintenance and operating installation catalog and spare pat catalog			
<b>02-06-00264</b>	<b>Compressor</b>			17652
	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 specification :			
	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					50
8 X 120					42
20 X 320					58
50 X 1000					6
10x250					2
10 x 75					2
	Auto communication switch system can use both type of telephone rotary dialing type and electronic push –bottom type programming of system facilities and read out should be accessible via data terminal				
	Facilities : consultation call with split call transfer three way conference executive station direct attendant call signaling camp on and over ride paging speed dialing restricted access for trunks call parking auto call back call forwarding manager secretary call interception busy over ride security group hunting UNA ANA				
	Tones : the system should be working on different tones such as internal ringing tone external ringing tone dial tone busy tone over ride tone hold or service tone confirmation tone call waiting tone order tone				
	Operator console : electronic push – bottom operator console can be connected at least 20 meters from the exchange required as communication link for incoming calls and external calls having more facilities than ordinary extenuation such as processing bottoms for arrival and departure callous call indication stand by and release automatic routine of calls seriellcall over ride – camp on and hold external line reservation alarm display paging split and conference day timetransfer call tracking and toll display selftesting				
	Power supply : smooth and stabilized 48 V DC at 60 A max provided by main power parlor with 200 AH capacity battery accumulator which can deliver the power to the system for 5 hours in case of main failure				
	In case of 48 VPC failure to the system suitable battery back up supply electricity to 1000 hrs to different kind of memories to save stored elate.				
	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 out testing and trouble shouting.				
	4- Training on factory 5 engineers and 6 weeks				
	<b>Equipment :pumps</b>				
	model : as below				
	company / manufacturer : worthington				
	or equavalnt worthington				
	simpsonlt d				
	low field works				
	p.o.box 17 newark , nottingh - amshire				
	NG243EN				
	ENGLAN D				
	tel = newark 705151				
	tlx = 37451				
	quantity : 80				
	site : saddam medical city				
	MOdEL	KW	HEAD (M)	FLOW (L/S)	RPM
					QTY.,

<b>02-06-00266</b>	12LN21	340	36	650	1440	12
<b>02-06-00267</b>	12LN17	265	52.5	335	1440	20
<b>02-06-00268</b>	12LN17	224	36	372	1440	8
<b>02-06-00269</b>	ERP80-400	150	140	30	2880	4
<b>02-06-00270</b>	12LA2	150	25.5	415	1440	4
<b>02-06-00271</b>	12LA2	90	30	300	1440	6
<b>02-06-00272</b>	10LA3	90	30	170	1440	4
<b>02-06-00273</b>	10LA3	90	43.3	142.3	1440	4
<b>02-06-00274</b>	65WP315	75	132.5	22.5	2880	4
<b>02-06-00275</b>	6L3	55	32	101.29	1440	4
<b>02-06-00276</b>	6L3	55	52.5	52.24	1440	4
<b>02-06-00277</b>	65WP315	55	103	22.5	2880	6
<b>02-06-00278</b>	ERP60-200	45	190	7.57	2880	12
<b>02-06-00279</b>	50wp315	37	103	10	2880	6
<b>02-06-00280</b>	65WP250	37	68.6	22.5	2880	6
<b>02-06-00281</b>	6L3	37	34	55.5	1440	6
<b>02-06-00282</b>	6L3	30	27	98.5	1440	4
<b>02-06-00283</b>	100WP200	30	37	43.1	2880	4
<b>02-06-00284</b>	80WP160	15	24	30	2880	4
<b>02-06-00285</b>	1 1/2 TM2	15	132.5	2.5	2880	2
<b>02-06-00286</b>	40WP200	11	45	7.57	2880	4
<b>02-06-00287</b>	40WP200	11	55	4.36	2880	4
<b>02-06-00288</b>	1 1/4 TM43	7.5	68.6	2.25	2880	2
<b>02-06-00289</b>	4L1	5.5	9	30.61	1440	4
<b>02-06-00290</b>	100WP200	4	11	17.42	1440	4
<b>02-06-00291</b>	1 1/4 TM22	4	83.3	1	2880	6
<b>02-06-00292</b>	3L1	3	8	15.86	1440	4
<b>02-06-00293</b>	3dv2	3	-	-	2880	4
<b>02-06-00294</b>	32wp160	1.5	14.6	2.25	2880	4

<b>02-06-00295</b>	<b>ELECTRICAL FORK LIFT (2 TON)</b>		200
	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>		200
	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>				60
	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>				20
	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>				600
	<b>A- BASIC VEHICLE:</b>				
	1. ENGINE: DIESEL ENGINE WATER COOLED				
	2. TRANSMISSION: MANUAL FLOOR SHIFT				
	3. CLUTCH: HYDRAULIC CONTROL SINGLE DRY PLATE WITH AIR PRESSURE ASSISTANCE				
	4. SUSPENSIONS: FRONT: LAMINATED LEAF SPRINGS WITH SHOCK ABSORBERS: REAR: FRONT: LAMINATED LEAF SPRINGS WITH SHOCK ABSORBERS				
	5. SUFFICIENT TO CONTROL THE VEHICLES IN THE PARKING SUPPLIED WITH AIR OVER HYDRAULIC WITH DUAL CIRCUIT				
	6. ELECTRICAL SYSTEM: 24V 120AMP				
	7. INSTRUMENT PANEL: ALL MEASUREMENTS AND GAUGES IN METRIC SYSTEM				
	8. FRAME: PARALLEL, TAPERED CHANNEL SECTION TYPE WITH CROSS MEMBERS AND REINFORCEMENTS				
	9. STEERING: LEFT HAND DRIVE, (BALL NUT TUBE, INTEGRAL TYPE) WITH HYDRAULIC POWER BOOSTER FLOOR SHIFT HANDLE				
	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)				
	12. EQUIPMENT'S: THE VEHICLES (TRUCKS) IT PROVIDES WITH ALL ACCESSORIES THAT ARE CONCERNING WITH WORK OF THE TRUCK				
	<b>B- LOADING CAPACITY:</b>				
	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)				
	<b>C-ACCESSORIES: EACH VEHICLE (TRUCK) SUPPLY WITH THE FOLLOWING:</b>				
	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 BDT 60C				
	WBT 25C				
	WINTER DBT 1C				
	WBT 3C				

<b>02-06-00300</b>	<b>TRUCKS:</b>				500
	C- BASIC VEHICLE:				
	1- ENGINE: DIESEL ENGINE WATER COOLED				
	2. TRANSMISSION: MANUAL FLOOR SHIFT				
	3. CLUTCH: HYDRAULIC CONTROL SINGLE DRY PLATE WITH AIR PRESSURE ASSISTANCE				
	4. SUSPENSIONS: FRONT: LAMINATED LEAF SPRINGS WITH SHOCK ABSORBERS: REAR: FRONT: LAMINATED LEAF SPRINGS WITH SHOCK ABSORBERS				
	5. SUFFICIENT TO CONTROL THE VEHICLES IN THE PARKING SUPPLIED WITH AIR OVER HYDRAULIC WITH DUAL CIRCUIT				
	C- ELECTRICAL SYSTEM: 24V 120AMP				
	7. INSTRUMENT PANEL: ALL MEASUREMENTS AND GAUGES IN METRIC SYSTEM				
	8. FRAME: PARALLEL, TAPERED CHANNEL SECTION TYPE WITH CROSS MEMBERS AND REINFORCEMENTS				
	9. STEERING: LEFT HAND DRIVE, (BALL NUT TUBE, INTEGRAL TYPE) WITH HYDRAULIC POWER BOOSTER FLOOR SHIFT HANDLE				
	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)				
	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 (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 FOLLOWING:				
	FAST SPARE PART: AUTO JACK WITH HANDLE AND WHEEL WRENCH HAZARD TRIANGLE				

<b>02-06-00301</b>	<b>AMBULANCE</b>				400
	<b>PARTITION</b>				
	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.				
	<b>PARTITION WINDOW</b>				
	LARGE, DOUBLE SLIDING SAFETY GLASS CENTRAL WINDOW				
	<b>PATIENT'S COMPARTMENT</b>				
	THE PATIENT'S COMPARTMENT IS TO BE FULLY INSULATED.				
	<b>ROOF HEIGHT</b>				
	INSIDE HEIGHT NOT LESS THAN 1500MM WITHOUT THE THICKNESS AND REINFORCEMENT.				
	<b>FLOORING</b>				
	HIGH QUALITY FLOORING MATERIAL CEMENTED TO A SUITABLE TYPE OF WOOD WITH ALUMINUM MOLDING.				
	<b>MEDICINE CABINETS</b>				

	THE LEFT WALL OF THE PATIENT'S COMPARTMENT IS TO BE PARTITIONED INTO ENCLOSED STORAGE CABINETRY. COMPARTMENT SPACE AND SHELF SPACE TO BE CONVENIENTLY LOCATED FOR MEDICAL SUPPLIES, DEVICES AND INSTALLED SYSTEM AD APPLICABLE FOR THE SERVICE INTENDED. CABINETS ARE TO BE EASILY OPENED WITH SHATTERED-PROOF TRANSPARENT SLIDING DOOR THE WALL IS TO BE NOT MORE THAN 30 INCHES HIGH. REMOVAL OF CABINET IS TO BE EASY TO FACILITATE BODY REPAIR IN CASE OF AN ACCIDENT.
<b>TECHNICIAN SEAT - FRONT</b>	PROVISION OF A TECHNICIAN SEAT AT THE FRONT OF THE PATIENT'S COMPARTMENT.
<b>TECHNICIAN SEAT-REAR</b>	PROVISION OF A TECHNICIAN SEAT AT THE FOOT OF THE PATIENT'S ON THE RIGHT END SIDE.
<b>INSIDE LIGHTING SYSTEM</b>	THE PATIENT'S COMPARTMENT ELECTRICAL SYSTEM IS TO BE SEPARATED FROM THE TRUCK.
<b>IDENTIFICATION</b>	THE AMBULANCE IS TO BE IDENTIFIED AS FOLLOWS:- IT IS TO BE PAINTED CLEAR WHITE - FOR DECALS FOR THE WORD "AMBULANCE", AND A RED CRESCENT IN ARABIC ONE ON EACH SIDE, ONE ON THE REAR, AND ONE ON THE FRONT
<b>RESUSCITATION EQUIPMENT</b>	<ul style="list-style-type: none"> <li>- TWO OXYGEN BOTTLES, EACH OF 500 LITTER CAPACITY SECURED WITHIN THE LEFT WALL CABINETRY.</li> <li>- TWO SPARE OXYGEN BOTTLES OF 500 LITTER CAPACITY IN STOWAGE CABIN.</li> <li>- ONE SET OF ENGLISH BULL NOSE VALVE YOKE, PRESSURE REGULATOR WITH GAUGE FLOW METER AND HUMIDIFIER BOTTLE.</li> <li>- THREE OXYGEN MASKS, ONE FOR EACH ADULT CHILD AND INFANT.</li> <li>- THREE PLASTIC NASAL CANNULAS, TWO ADULT AND ONE CHILD.</li> <li>- FOUR OXYGEN CATHETERS, TWO OF EACH NO.10F.</li> </ul> <p>ONE MOUTH TO MOUTH VENTILATION MASK</p>
CYLINDER KEY	1 FOR EACH
OXYGEN FLOW METER /REGULATOR	1 FOR EACH
HUMIDIFIER	1 FOR EACH
<b>PORTABLE OXYGEN KIT</b>	ONE PORTABLE OXYGEN KIT COMPLETE WITH REGULATOR AND SUPPLIES.
RESUSCITATOR COMPLETE WITH CYLINDER.	1 FOR EACH
RESTRAINING STRAP FOR RESUSCITATOR.	1 FOR EACH
<b>SUCTION SYSTEM</b>	ONE VACUUM APPARATUS INCLUDING AN ELECTRIC DRIVEN PUMP with rechargeable battery
<b>FIRST AID EQUIPMENT</b>	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.
<b>AIR SPLINTS</b>	
	ONE SET OF AIR SPLINT FOR EACH OF THE UPPER AND lower LIMBS.
<b>STRETCHER</b>	
	WHEEL STRETCHER WITH ADJUSTABLE BACK AND FOOT RESTS WITH SIDE HANDLES, COMPLETE WITH MATTRESS AND COVER.
<b>SPARE STRETCHER</b>	
	FOLDING COLLAPSIBLE STRETCHER WITH SUPPORTING SPREADER BARS AND VINYL COATED NYLON FABRIC.
<b>REAR BUMPER STEP</b>	
	A- REAR BUMPER STEP IS TO BE INSTALLED OVER THE REAR BUMPER.
<b>BOTTLE HOOKS</b>	
	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 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 BUMPER.
BOTTLE HOOKS	
	BOTTLE HOOKS ARE TO BE INSTALLED ON THE ROOF TO HOLD FLUID AND BLOOD TRANSFUSION BOTTLES .
<b>ANTENN A</b>	
	INSTALLATION OF RADIO ANTENNA IN EACH AMBULANCE AT THE ROOF.
	WIRELESS EQUIPMENT: EACH AMBULANCE EQUIPPED WITH RADIO (WIRELESS COMMUNICATION DEVICE).
<b>SPECIFICATIONS FOR AMBULANCES</b>	
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 AND BATTERY.	
AIR CONDITIONING SYSTEM: AIR-CONDITIONER AND HEATER FOR BOTH DRIVER AND PATIENT COMPARTMENTS.	
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 THE FOLLOWING TYPES:		
	-ELECTRONIC SIREN WITH PUBLIC ADDRESS SYSTEM OF 100WATTS OUT-PUT POWER.		
	BEACON : TWO REVOLVING DOME TYPE BEACONS LONGITUDINAL A LONG THE WIDTH ON THE FRONT ROOF		
	-SPEAKER: 100 WATTS SPEAKER INSTALLED INSIDE ENGINE COMPARTMENT.		
	-ACCESSORIES:		
	AUTO JACK WITH HANDLE and WHEEL WRENCH.		
	TOOL KIT BAG.		
	HAZARD WARNING TRIANGLE		
	FIRE EXTINGUISHER.		
	-MISCELLANEOUS: THE FOLLOWING IS TO BE SUBMITTED TWO WEEKS AFTER ORDER CONFIGURATION:		
	-WORKSHOP MANUALS (2 COPIES IN ENGLISH).		
	-SPARE PARTS CATALOGUES (2 COPIES IN ENGLISH).		
	-RECOMMENDED SPARE PARTS LIST (DETAILS OF THE LIST ARE TO BE AGREED UPON).		
	FAST MOVING PARTS for EACH VEHICLE.		
	- TRAINING FOR 3 ENGINEERS.		
	<b>optional equipments schedule ambulance</b>		
	VACUUM MATTERS WITH CARRYING HANDLES.		
			1 FOR EACH
	PUMP FOR VACUUM MATTRESS		
			1 FOR EACH
	FOLDING STRETCHER		
			1 FOR EACH
	INFLATABLE SPLINTS, SET OF 4 IN WALLET.		
			1 FOR EACH
	ANALGESIC UNIT.		
			1 FOR EACH
	NITRONOX CYLINDER (LIGHT WEIGHT)		
			1 FOR EACH
	URINAL, MALE.		
			1 FOR EACH
	URINAL, FEMALE.		
			1 FOR EACH
	ORTHOPEDIC SCOOP STRETCHER		
			1 FOR EACH
	BRACKETS FOR SCOOP STRETCHER.		
			1 FOR EACH
	HEAPED AND HARDNESS SET FOR SCOOP STRETCHER.		
			1 FOR EACH
	ASPIRATOR, MANUAL		
			1 FOR EACH
	AMBULANCE CHAIR		
			1 FOR EACH
	BRACKET FOR AMBULANCE CHAIR		
			1 FOR EACH
	FIRST AID KIT COMPLETE WITH CASE.		
			1 FOR EACH
	PENLIGHT		
			1 FOR EACH
	BEDPAN		
			1 FOR EACH

	ANEROID SPHYGMOMANOMETER			2 FOR EACH
	STETHOSCOPE.			2 FOR EACH
	OTOSCOPE.			1 FOR EACH
	THOUGHT CUT SCISSORS.			1 FOR EACH
	SEMI AUTOMATIC DEFIBRILLATOR /MONITOR			1 FOR EACH
	SECURING DEVICE FOR DEFIBRILLATOR /MONITOR			1 FOR EACH
	ARTERY FORCEPS (SPENCER WELLS)			1 FOR EACH
	DISSECTING FORCEPS, PLAIN			1 FOR EACH
	SCISSORS BANDAGE.			1 FOR EACH
	THERMOMETER			1 FOR EACH
	NON WOVEN ACRYLIC BLANKET 60"X80" APPROX.			1 FOR EACH
	CELLAR BLANKET UNBLEACHED 60"X80" APPROX.			2 FOR EACH
	FOAM PILLOW, PCV COVERED			2 FOR EACH
	VACUUM FLASK STAINLESS STEEL 1 LITTER.			2 FOR EACH
	RESTRAINING STRAP FOR VACUUM FLASKS			1 FOR EACH
	OXYGEN CYLINDER, BULL NOSE (SIZE F)			1 FOR EACH
	OXYGEN FACE MASK			1 FOR EACH
	GREEN BUBBLE 30 FOOT ROLL			2 FOR EACH

02-06-00302	ACCIDENT EMERGENCY AMBULANCE	200
	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.	
	PARTITION WINDOW	
	LARGE, DOUBLE SLIDING SAFETY GLASS CENTRAL WINDOW	
	DOUBLE SLIDING SAFETY GLASS WINDOW BEHIND DRIVER CABINET ITS HEIGHT HALF INSIDE HEIGHT OF ROOF HEIGHT.	
	PATIENT'S COMPARTMENT	
	THE PATIENT'S COMPARTMENT IS TO BE FULLY INSULATED.	
	ROOF HEIGHT	
	INSIDE HEIGHT NOT LESS THAN 1900MM WITHOUT THE THICKNESS AND REINFORCEMENT.	
	FLOORING	
	HIGH QUALITY FLOORING MATERIAL CEMENTED TO A SUITABLE TYPE OF WOOD WITH ALUMINUM MOLDING.	
	MEDICINE CABINETS	

	THE LEFT WALL OF THE PATIENT'S COMPARTMENT IS TO BE PARTITIONED INTO ENCLOSED STORAGE CABINETRY. COMPARTMENT SPACE AND SHELF SPACE TO BE CONVENIENTLY LOCATED FOR MEDICAL SUPPLIES, DEVICES AND INSTALLED SYSTEM AD APPLICABLE FOR THE SERVICE INTENDED. CABINETS ARE TO BE EASILY OPENED WITH SHATTERED-PROOF TRANSPARENT SLIDING DOOR THE WALL IS TO BE NOT MORE THAN 30 INCHES HIGH. REMOVAL OF CABINET IS TO BE EASY TO FACILITATE BODY REPAIR IN CASE OF AN ACCIDENT.
TECHNICIAN SEAT - FRONT	
PROVISION OF A TECHNICIAN SEAT AT THE FRONT OF THE PATIENT'S COMPARTMENT.	488
TECHNICIAN SEAT-REAR	
PROVISION OF A TECHNICIAN SEAT AT THE FOOT OF THE PATIENT'S ON THE RIGHT END SIDE.	
INSIDE LIGHTING SYSTEM	
THE PATIENT'S COMPARTMENT ELECTRICAL SYSTEM IS TO BE SEPARATED FROM THE TRUCK.	
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 CRESCENT IN ARABIC ONE ON EACH SIDE, ONE ON THE REAR, AND ONE ON THE FRONT	
RESUSCITATION EQUIPMENT	
- TWO OXYGEN BOTTLES, EACH OF 500 LITTER CAPACITY SECURED WITHIN THE LEFT WALL CABINETRY.	
- TWO SPARE OXYGEN BOTTLES OF 500 LITTER CAPACITY IN STOWAGE CABIN.	
- ONE SET OF ENGLISH BULL NOSE VALVE YOKE, PRESSURE REGULATOR WITH GAUGE FLOW METER AND HUMIDIFIER BOTTLE.	
- 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 SUPPLIES.	
SUCTION SYSTEM	
ONE VACUUM APPARATUS INCLUDING AN ELECTRIC DRIVEN PUMP.	
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 WITH SIDE HANDLES, COMPLETE WITH MATTRESS AND COVER.
	SPARE STRETCHER
	FOLDING COLLAPSIBLE STRETCHER WITH SUPPORTING SPREADER BARS AND VINYL COATED NYLON FABRIC.
	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.
	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 BUMPER.
	BOTTLE HOOKS
	BOTTLE HOOKS ARE TO BE INSTALLED ON THE ROOF TO HOLD FLUID AND BLOOD TRANSFUSION BOTTLES .
	ANTENN A
	INSTALLATION OF RADIO ANTENNA IN EACH AMBULANCE AT THE ROOF.
	WIRELESS EQUIPMENT: EACH AMBULANCE EQUIPPED WITH RADIO (WIRELESS COMMUNICATION DEVICE).
	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 AND BATTERY.
	AIR CONDITIONING SYSTEM: AIR-CONDITIONER AND HEATER FOR BOTH DRIVER AND PATIENT COMPARTMENTS.
	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 THE FOLLOWING TYPES:
	-ELECTRONIC SIREN WITH PUBLIC ADDRESS SYSTEM OF 100WATTS OUT-PUT POWER.
	BEACON : TWO REVOLVING DOME TYPE BEACONS LONGITUDINAL A LONG THE WIDTH ON THE FRONT ROOF
	-SPEAKER: 100 WATTS SPEAKER INSTALLED INSIDE ENGINE COMPARTMENT.

	-ACCESSORIES:		
	AUTO JACK WITH HANDLE and WHEEL WRENCH.		
	TOOL KIT BAG.		
	HAZARD WARNING TRIANGLE		
	FIRE EXTINGUISHER.		
	-MISCELLANEOUS: THE FOLLOWING IS TO BE SUBMITTED TWO WEEKS AFTER ORDER CONFIGURATION:		
	-WORKSHOP MANUALS (2 COPIES IN ENGLISH).		
	-SPARE PARTS CATALOGUES (2 COPIES IN ENGLISH).		
	-RECOMMENDED SPARE PARTS LIST (DETAILS OF THE LIST ARE TO BE AGREED UPON).		
	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.		
			1 FOR EACH
	PUMP FOR VACUUM MATTRESS		
			1 FOR EACH
	FOLDING STRETCHER		
			1 FOR EACH
	INFLATABLE SPLINTS, SET OF 4 IN WALLET.		
			1 FOR EACH
	ANALGESIC UNIT.		
			1 FOR EACH
	NITRONOX CYLINDER (LIGHT WEIGHT)		
			1 FOR EACH
	URINAL, MALE.		
			1 FOR EACH
	URINAL, FEMALE.		
			1 FOR EACH
	ORTHOPEDIC SCOOP STRETCHER		
			1 FOR EACH
	BRACKETS FOR SCOOP STRETCHER.		
			1 FOR EACH
	HEAPED AND HARDNESS SET FOR SCOOP STRETCHER.		
			1 FOR EACH
	RESUSCITATOR COMPLETE WITH CYLINDER.		
			1 FOR EACH
	RESTRAINING STRAP FOR RESUSCITATOR.		
			1 FOR EACH
	ASPIRATOR, MANUAL		
			1 FOR EACH
	AMBULANCE CHAIR		
			1 FOR EACH
	BRACKET FOR AMBULANCE CHAIR		
			1 FOR EACH
	FIRST AID KIT COMPLETE WITH CASE.		
			1 FOR EACH

	PENLIGHT				1 FOR EACH
	BEDPAN				1 FOR EACH
	ANEROID SPHYGMOMANOMETER				2 FOR EACH
	STETHOSCOPE.				2 FOR EACH
	OTOSCOPE.				1 FOR EACH
	THOUGHT CUT SCISSORS.				1 FOR EACH
	SEMI AUTOMATIC DEFIBRILLATOR /MONITOR				1 FOR EACH
	SECURING DEVICE FOR DEFIBRILLATOR /MONITOR				1 FOR EACH
	ARTERY FORCEPS (SPENCER WELLS)				1 FOR EACH
	DISSECTING FORCEPS, PLAIN				1 FOR EACH
	SCISSORS BANDAGE.				1 FOR EACH
	THERMOMETER				1 FOR EACH
	NON WOVEN ACRYLIC BLANKET 60"X80" APPROX.				1 FOR EACH
	CELLAR BLANKET UNBLEACHED 60"X80" APPROX.				2 FOR EACH
	FOAM PILLOW, PCV COVERED				2 FOR EACH
	VACUUM FLASK STAINLESS STEEL 1 LITTER.				2 FOR EACH
	RESTRAINING STRAP FOR VACUUM FLASKS				1 FOR EACH
	OXYGEN CYLINDER, BULL NOSE (SIZE F)				1 FOR EACH
	CYLINDER KEY				1 FOR EACH
	OXYGEN FLOW METER /REGULATOR				1 FOR EACH
	HUMIDIFIER				1 FOR EACH
	OXYGEN FACE MASK				1 FOR EACH
	GREEN BUBBLE 30 FOOT ROLL				2 FOR EACH

02-06-00303	CLINIC AMBULANCE			50
	(INTENSIVE CARE UNIT AND MOBILE THEATRE )			
	<b>A- BASIC VEHICLE</b>			
1. ENGINE:-				
PETROL ENGINE				
WATER COOLED				
2. TRANSMISSION:- MANUAL GEAR BOX				
FLOOR SHIFT				
3. STEERING:- POWER STEERING				
LEFT HAND DRIVE				
4. ELECTRICAL EQUIPMENT'S:- 12- VOLT BATTERY				
ANTENN A				
INSTALLATION OF RADIO ANTENNA IN EACH AMBULANCE AT THE ROOF.				
WIRELESS EQUIPMENT: EACH AMBULANCE EQUIPPED WITH RADIO (WIRELESS COMMUNICATION DEVICE).				
5. SUSPENSION: HEAVY DUTY				
6. TIRES:- HIGH QUALITY WITH TUBES				
7. ACCESSORIES:-FIRE EXTINGUISHER				
JACK				
WHEEL WRENCH				
TOOL KIT				
FAST MOVING PARTS				
<b>B- PATIENT COMPARTMENT</b>				
1- RISE ROOF MORE THAN 1900MM INSIDE				
2- HYDRAULIC STRETCHER (AS A TABLE OF THEATRE) MOVE FOR ALL THE DIRECTION. ( AND SHOCK ABSORBER )				
3- ADDITIONAL BASE FOR HOLDING OF THE STRETCHER IN THE LEFT SIDE OF THE UNIT FIXED				
4- ILLUMINATION: IN SIDE THE UNIT A FIXED SOURCES OF LIGHT USE FOR THE OPERATION IN THE UNIT SIDE MOVE FOR ALL DIRECTION AS NEED (LIKE OPERATIVE THEATRE)				
5- EQUIPMENT FOR OXYGEN SUPPLY WITH SET FOR GIVING THE O2 COMPLETE (5 BOTTLE -2 BOTTLE 5000L +3 BOTTLE 500L)				
6- ELECTRICAL SUCKER COMPLETE WITH ADDITIONAL PARTS PUT IN THE RIGHT SIDE OF THE UNIT (NEAR THE RIGHT HAND OF THE LIGHT)(portable with rechargeable battery )				
7- AIR CONDITIONING AND HEATING EMT				
8- BOTTLE HOOKS 3 PARTS OF HOOKS IN THE ROOF FOR THE FLUID & BLOOD TRANSFUSION				
9- STORE FOR THE MEDICAL DRUGS & INSTRUMENTS ALONG THE SPACE IN SIDE THE UNIT IN TWO SIDE RIGHT & LEFT WITH WASH BASIN IN THE LEFT CORNER OF THE UNIT				
10- OXYGEN BOTTLE 5-7 500L & TWO MAIN SOURCES - BIG BOTTLE IN THE INSIDE UNIT (5000L) PUT IN DIFFERENT PRESS AS POSSIBLE				
11- COMPLETE OXYGEN SET				
12- ANAESTHETIC MACHINE COMPLETE holding				
13-INTENSIVE CARE UNIT - MONITOR WITH DC. SHOCK (COMPLETE) + ECG+SPO2+NIBA+Paecmaker				
14- ELECTRICAL SUCKER (COMPLETE) FIXED AT RIGHT HAND OF THE EMT(portable with UPS)				
15- REFRIGERATOR FOR BLOOD STORAGE (MEDIUM SIZE )				
16- SOURCE FOR OXYGEN READY FOR USE IN THE ROOF AT BOTH SIDES OF INSIDE THE UNIT				
<b>C- ADDITIONAL SUPPLIES:-</b>				

	1- KIT - SET CONTAINING ALL INSTRUMENTS NEED FOR INTENSIVE CARE & ANAESTHETIC SUPPLIES & INSTRUMENTS SET WITH MASK OF 3 SIZE & ALL OTHER INSTRUMENT & SPHEGMAMONTER & STETHOSCOPE & OTHER SUPPLY COMPLETE	
	2- KIT FOR PORTABLE OXYGEN & COMPLETE ADDITIONAL PARTS FOR GIVING THE OXYGEN	
	3- SUCKER HAND & FOOT SUCKERS	
	4- AIR SPLINT FOR FRACTURES UPPER & LOWER LIMBS 2 SET FOR EACH	
	5- OXYGEN BOTTLE SPARE 5 BOTTLE 500 L	
	6- STRETCHER SPARE	
	1 RULING TYPES	
	1 FOLDING TYPES	
	1 PART SCOPE STRETCHER	
	1 AIR STRETCHER	
	7- KIT FOR FIRST AIDE CONTAINS COMPLETE INSTRUMENT FOR MINOR OPERATION & COMPLETE SET FOR BANDYING WITH SPHEGMONOMETER AND STETTUSCOPE	
	8- ULTRA VIOLET LIGHT INSTRUMENT FOR STERILIZATION UNIT & ANY OTHER THING FOR STERILIZATION SUITABLE IN THE UNIT	
	9- portable intensive care ventilator with UPS and patient circuit	
	10- laryngeal mask (small, medium, large)	
	11- 2 bottle for N2O with regulator and fitting to the anaesthetic machine	
	12- O2 regulator with fitting to the anaesthetic machine (qty 2)	
	13- O2 regulator with flow meter and humidifier for O2 mask therapy	

02-06-00304	EQUITMENT: RADIO (WIRELESS) COMMUNICATION NET WORK FOR EMERGENCY AMBULANCE CALLS.	2 SYSTEM
	CONSISTING OF THE FOLLOWING:-	
	- ALL NETWORK SYSTEM OPERATE IN FREQUENCY (420 MHZ-470MHZ)	
	NETWORK SYSTEM OPERATE WITH CODING - DECODING DEVICE	
	- ALL NECESSARY ANTENNA FOR THE FOLLOWING STATIONS WITH MAST (IF REQUIRED):	
	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 DIAMETER.	
	FIXED STATION (8 CHANNELS):	100
	- TO COMMENCE WITH CENTRAL STATIONS AND OTHER FIXED STATIONS OR HANDY STATION.	
	- RF OUT PUT POWER NOT LESS THAN (10 RF WATTS)	
	- UPS FOR 6 HOURS OPERATION	
	- EXTRA LAUD SPEAKER.	
	MOBILE STATIONS	125
	(AS FIXED STATION ABOVE) EXCEPT UPS	
	HANDY STATION (WALK TALKY)	25
	TO COMMENCE WITH CENTRAL STATION and ALL OTHER STATIONS	
	RECORDER SYSTEM	3
	- FOR RECORDING ALL MASSAGES DURING 24 HR.	
	- ALL OPTIONS FOR ABOVE ITEMS	
	- INSTALL ALL SYSTEM BY THE SUPPLIER	
	2 YEARS WARRANTY (SPARE + MEN POWER)	
	3 YEARS MAINTENANCE MEN POWER ONLY TRAINING FOR 4 FROM OUR TECHNICAL STAFF FOR 3 WEEKS FREE OF CHARGE.	
	* SPARE PARTS LIST WITH ITEM PRICE	
	* FULL CATALOGS (OPERATING AND MAINTENANCE WITH CIRCUIT DIAGRAM WITH EACH UNITS).	

<b>02-06-00305</b>	<b>EQUIPMENT:</b>				200
	<b>WHEEL LOADER (1-2M3) BUCKET</b>				
	DRIVER CABINS: FOLDING DOOR, THE LOCKING IS ASSURED ON AN OPEN POSITION. GLASS MADE OF SECURITY TYPE, THE SUSPENSION REDUCES SOUND VIBRATION. AIR-CONDITIONING DEVICE FOR DRIVER CABINS.				
	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				
	BRAKES: HYDRAULIC SERVO BRAKES				
	PARKING BRAKES: DRUMS ON THE GEAR BOX.				
	STEERING: STEERING TOTALLY HYDRAULIC WITH CLOSED NEUTRAL POSITION.				
	HYDRAULICS: HYDRAULIC OPERATING WITH A DRIVE GEAR.				

<b>02-06-00306</b>	<b>EQUIPMENT:</b>				10
	<b>ELEVATING WORK PLAT FORM ON TRUCK</b>				
	BASIC VEHICLE:				
	1.ENGINE: DIESEL ENGINE WATER COOLED				
	2.TRANSMISSION: MANUAL FLOOR SHIFT				
	3.CLUTCH: HYDRAULIC CONTROL SINGLE DRY PLATE WITH AIR PRESSURE ASSISTANCE				
	4.SUSPENSIONS: FRONT: LAMINATED LEAF SPRINGS WITH SHOCK ABSORBERS: REAR: FRONT: LAMINATED LEAF SPRINGS WITH SHOCK ABSORBERS				
	5.SUFFICIENT TO CONTROL THE VEHICLES IN THE PARKING SUPPLIED WITH AIR OVER HYDRAULIC WITH DUAL CIRCUIT				
	6.ELECTRICAL SYSTEM: 24V 120AMP				
	7.INSTRUMENT PANEL: ALL MEASUREMENTS AND GAUGES IN METRIC SYSTEM				
	8.FRAME: PARALLEL, TAPERED CHANNEL SECTION TYPE WITH CROSS MEMBERS AND REINFORCEMENTS				
	9.STEERING: LEFT HAND DRIVE, (BALL NUT TUBE, INTEGRAL TYPE) WITH HYDRAULIC POWER BOOSTER FLOOR SHIFT HANDLE				
	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)				
	12. EQUIPMENT'S: THE VEHICLES (TRUCKS) IT PROVIDES WITH ALL ACCESSORIES THAT ARE CONCERNING WITH WORK OF THE TRUCK				
	13- EQUIPPED WITH FIBER GLASS CABINET, CAPACITY LOADING NOT LESS THAN 200 KG, HEIGHT NOT LESS THAN 10 METERS, HYDRAULIC CONTROL, SAFETY CONTROLS, SUITABLE TO REPAIR ELEVATED WINDOWS, EQUIPMENT AND LAMP POSTS ... ETC.				

<b>02-06-00307</b>	<b>TOWING TRUCK:</b>				100
	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 1/2 TON) OR 3500 IBS).			
NOTE -1- THE TOWING DEVICE SHOULD BE OPERATE BY BOTH MECHANICAL WAY DRIVEN BY THE GEAR BOX OF THE VEHICLE.			
AND IN ANOTHER WAY WE CAN USE IT BY ELECTRICAL WAY DRIVEN BY ELECTRICAL MOTOR DEPENDING ON THE ELECTRIC POWER OF THE VEHICLE.			
NOTE-2- THE VEHICLE SHOULD BE SUPPLIED WITH ALL THE TOOLS NECESSARY FOR TOWING AND DRAWING AND LIFTING THE UNPREPARED CAR.			
C. ACCESSORIES:			
1. THE VEHICLE SHOULD PROVIDE WITH AUTO JACK AND FIRE EXTINGUISHER.			
2. BOOKLET OF OWNER'S MANUAL (ENGLISH COPY).			

02-06-00308	<b>EQUIPMENT:</b>				20
	<b>MOBILE CRANE</b>				
	MOBILE CRANE, TELESCOPIC, FULLY HYDRAULIC, (20-30) TONS LOAD NOMINAL.				
	CARRIER PART:				
	ENGINE: DIESEL, WATER-COOLED, COMPLETE WITH ACCESSORIES, JACKS, EXTENSIONS, TOOLS.				
	TRANSMISSION: GEAR BOX, POWER SHIFT				
	TIERS: HIGH QUALITY				
	STEERING: HYDRAULIC SERVO- STEERING				
	BRAKES: SERVICE BRAKE: SERVO- BRAKE WITH COMPRESSED AIR ACTING ON ALL THE WHEELS.				
	DRIVER CABIN: MADE OF PLATE-STEEL RUBBER SUSPENSION, GLASS SECURITY WINDOWS, CONTROL INSTRUMENTS, ADDITIONAL SEAT FOR PASSENGER, AIR-CONDITIONING DEVICE.				
	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 CONTROL INSTRUMENTS.				
	ELECTRIC EQUIPMENT: 24 VOLTS, 120 AMP.				

<b>02-06-00309</b>	<b>EXCAVATOR, SMALL SIZE</b>			10
	DRIVER CABINS: FOLDING DOOR, THE LOCKING IS ASSURED ON AN OPEN POSITION. GLASS MADE OF SECURITY TYPE, THE SUSPENSION REDUCES SOUND VIBRATION.			
	EARTH AND CONCRETE DIGGING AND EXCAVATOR, SMALL MOBILE SIZE, DIESEL ENGINE, WATER-COOLED. FIELD TRUCK SUITABLE FOR DIGGING BURIED PIPES AND CABLES.			
	TIERS: HIGH QUALITY			
	ELECTRIC EQUIPMENT: 24 VOLTS, 120 AMP.			

<b>02-06-00310</b>	<b>MOBILE DEAD BODY</b>			100
	SPECIFICATION FOR MOBILE DEAD BODY CARRIER BASIC VEHICLES.			
	1- ENGINE: PETROL ENGINE			
	WATER COOLED			
	2- TRANSMISSION: MANUAL GEAR BOX – FLOOR SHIFT			
	4- BRAKE: DUAL- CIRCUIT HYDRAULIC BRAKE WITH VACUUM BOOSTER- SELF ADJUSTING MECHANICAL PARKING BRAKE			
	5- STEERING: POWER STEERING LEFT HAND DRIVE			
	6- FUEL TANK: 80 LITTER			
	7- BATTERY: 12 VOLT/ 75 AH			
	ALTERNATOR: 14V/90A			
	STATOR: 1.2KW			
	8- TIRES: HEAVY DUTY WITH TUBES			
	9- AIR CONDITION AND HEATING FOR DRIVER CABIN			
	10- ALL GANGES IN METRIC SYSTEM			
	11- PAINT: BLACK			
	12- ANTENNA			
	INSTALLATION OF RADIO ANTENNA IN EACH AMBULANCE AT THE ROOF.			
	WIRELESS EQUIPMENT: EACH AMBULANCE EQUIPPED WITH RADIO (WIRELESS COMMUNICATION DEVICE).			
	B- DEAD BODIES COMPARTMENTS TO BE COOLED BY A SUITABLE COOLING SYSTEM THAT MAINTAINED TEMPERATURE OF (10C) AT AN AMBIENT TEMPERATURE OF (55C) AND THE COOLING DEVICE IS SEPARATED FROM THE CAR ENGINE SHOULD BE FULLY ISOLATED FROM DRIVE CABINET FLOORING AND LINING OF SIDE WALL SHOULD BE OF CORROSION RESISTANT METAL OF SUITABLE THICKNESS JOINTS SHOULD BE WATER PROOF FOR CLEANING PURPOSES COMPARTMENT IS TO BE SUFFICIENTLY LIGHTED COMPARTMENT IS TO BE EQUIPPED WITH AN EXHAUST FAN.			
	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.			
	C- ACCESSORIES: JACK WITH HANDLE AND WHEEL RANCH FIRE EXTINGUISHER REPAIR TOOL KIT OWNERS MANUAL (ENGLISH COPY)			

<b>02-06-00311</b>	<b>VEHICLE PICK-UP SINGLE CABIN</b>	400
	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 DUTY	
	5.AIR-CONDITIONING FOR DRIVER CABIN (HEATING AND COOLING)	
	6. SUSPENSION: HEAVY DUTY	
	7. TIRES WITH TUBES: SUITABLE FOR DIFFERENT ROADS (HIGH QUALITY)	
	8. CABIN: SINGLE CABIN WITH DOOR IN EACH SIDE.	
	9. MIRRORS: TO BE EQUIPPED WITH TWO SIDES MIRRORS AND ONE INSIDE	
	10.ACCESSARIES: TO BE EQUIPPED WITH JACK + WHEEL WRENCH + HAZARD TRIANGLE + TOOL KITS + FAST MOVING PARTS . WITH THE VEHICLE AND ANY EQUIPMENT'S CONCERNING THE JOB OF THIS CAR.	
	11.LOADING CAPACITY: FROM (1-2)TONS	
	12.ALL MATERIALS INSERTED IN THE CONSTRUCTION OF THIS CAR IT WILL BE OF HIGH QUALITY (ROOD, SHACKLE, GOODS COVER)	
	13.MAINTEMANCE FOR ALL VEHICLES FOR TWO YEARS ON ACCOUNT OF THE COMPANY WITH TRAINS FOR ENGINEERS AND TECHNICIANS (5PERISON) FOR ONE MONTH	

<b>02-06-00312</b>	<b>LAND CRUISER 4 WHEEL DRIVER</b>			600
	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-CONDITIONING SYSTEM FIT WITH OUR WEATHER (HEATING AND COOLING)			
	6.SUSPENTION: HEAVY DUTY			
	7.TIRES WITH TYPES SUITABLE FOR DIFFERENT ROADS (HIGH QUALITY)			
	8. DOORS: TWO DOORS IN EACH SIDE OF THE VEHICLE WITH REAR DOOR			
	9. MIRRORS: TO BE EQUIPPED WITH 2 SIDES MIRRORS AND ONE INSIDE			
	10. ACCESSORIES: TO BE EQUIPPED WITH JACK + WHEEL WRENCH AND HAZARD TRIANGLE AND ANY EQUIPMENT NECESSARY FOR JOB OF THIS VEHICLE			
	11. MAINTENANCE FOR ALL VEHICLES FOR 2 YEARS ON A COUNT OF THE COMPANY WITH TRAINS FOR ENGINEERS AND TECHNICIANS (5PERSON) FOR ONE MONTH			

<b>02-06-00313</b>	<b>HANDLING TRUCKS</b>			200
	FOR BOXES CASE (UP TO 300KG) WITH TOE EXTENDED (FOLD UP TOE) 2 WHEELS WITH RUBBER TIRES			

<b>02-06-00314</b>	<b>LIGHT ALLOY TROLLEYS</b>			200
	WITH ONE REMOVABLE ENDS. 350KG CAPACITY PLATE FORM OF ALUMINUM SLATS INSERTED IN A BOLTED, REINFORCED FRAME AND CASTORS (2 FIXED AND 2 SWIVEL)			
<b>02-06-00315</b>	<b>HAND PALLET TRUCKS</b>			200
	CAPACITY UP TO 3000 KG			
	LIFTING: HYDRAULIC CONTROLLED BY HANDLE, RISE 120MM			
	CONTROL HANDLE: RETURNS AUTOMATICALLY TO UPRIGHT POSITION.			
	3 POSITION CONTROL HANDLE (RAISE, NEUTRAL, LOWER)			
	WHEELS 200MM STEERING WHEELS AND SIMPLE 85MM NYLON LOAD BEARING ROLLERS.			

<b>02-06-00316</b>	<b>MOBILE LADDERS AND PLAT FORMS</b>			200
	in ALUMINUM TREADS in NON SLIP STUDDED SURFACE			
	- PLATFORM IN ALUMINUM ALLOY, WITH NON SLIP STUDDED SURFACE. GUARD RAIL ON 3 SIDES, 1 SERVING AS TOOL RACK HEIGHT 1M.			
	- MAXIM PLAT FORM HEIGHT (3.5 METER)			
	- BASE FITTING FRONT 100MM F SWIVEL CASTORS WITHOUT BRAKE.			

<b>02-06-00317</b>	<b>TELESCOPIC ELEVATING WORK PLATE FORMS</b>		80
	- CAPACITY 360 KG FOLDED UP ALUMINUM ALLOY CONSTRUCTION MOUNTED ON 4 SWIVEL CASTORS (WITH EXTENDED LEGS)		
	- OPERATION: A HYDRAULIC SET INSTALLED AT THE BASE OF THE UNIT DRIVES 2 CYLINDERS (1 IN EACH MAST).		
	- POWER SUPPLY 220V AC AND 12V DC (OPTION)		
	- PLATE FORM DIMENSIONS 240 X 70 CM.		

<b>02-06-00318</b>	<b>HIGH LIFT HAND PALLET TRUCKS 1000KG CAPACITY</b>	200
	- 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	
<b>02-06-00319</b>	<b>NICKEL – CADMIUM ACCUMULATORS (BATTERIES)</b>	120
	6 VOLT, 6 AH	

<b>02-06-00320</b>	<b>EQUIPMENT: CLOCK</b>	20
	GROGY TIMING OLD MODEL GT1/60C1	1000
	1- CENTRAL CLOCK SYSTEM	120
	2- SINGLE FACE SLAVE CLOCK	for 20
	3- DOUBLE FACE SLAVE CLOCK	2system
	4- SPARE PART FOR 5-YEARS	20
	5- COMPLETE CATALOGUES SET	
	6- INSTALLATION OF ONE SYSTEM ON ONE SITE WITH GUARANTEE TIME ONE YEAR AND MAINTENANCE TIME ONE YEAR AFTER GUARANTEE TIME.	
	7- TRAINING TWO –ENGINEERS FOR TWO WEEKS AT LEAST ON FACTORY.	

<b>02-06-00321</b>	<b>SPECIFICATION OF AIRCONDITIONING</b>	80
	<b>WARE HOUSE (COLD STORE FOR DRUGS)</b>	
	FIRST :	
	Supply and erection (40) prefabricated air conditioning warehouse with the following specification	
	1- storing at temp 16-20 C	
	2-APPROXIMATE BUILDING DIMENTION:	
	100 m length	
	32 m width	
	8.3 m hight	
	3- structural steel work	
	a- main frames : the main frams will consist of hot rolled steel column , rafts without intermediate columns	
	b- purlins and side rails: purlins and side rails will be cold rolled pre galvanised material complete with all sleeves sagbars struts and bracings	
	c- ancillary steel work: the steel fram will be suppllied with all necessary gable steel work eavesties roof and vertical bracing door steel work and will be complete with foundation bolts and all eraction bolts	
	d- single galvanised steel sheet 0.6 mm thick with a suitable profile	
	e- servic preparation and treatment : all steel work will be sheet blotted during fabrication and primed with one coat height build zinc phosphate primer	
	4-ROOF AND SIDE WALL CLADING:	
	a- insolated sandwich steel panel external and internal face 0.6 mm galvanised steel sheet ribbed with 4mm profile coated with 100 micron plastisol in standard color insulation 100 mm polyuerethene foam core density 40 kg/ m3 fixed with the maine fram	
	cutters: 2mm thick galvainside pressed steel gutter including support brackets stop ends ouy lets etc	
	c- rain water pipes high density pvc rain water	
	d- doors : each store has 4 no. ( 3000mm X 3500 mm) manually operated galvanised steel sheet slide doors both side with insulation 100mm polyuretheme and curtain	

	e- an inter area 25X8 m in the front and back side of the store to keep the cold air provided with one door (4000mmX4000mm) in each side and with curtain
	f- an office 4000mmX4000mmX2800mm inside each store from sandwich panel provided with split unit for air conditioning 2 TR
	5- cold stor ( one for each stor ) 200 m3 capacity prefabricated insulated panel 120mm polurethane density 40 kg/m3 . Temperture range (0-4)C . Ambient temp 50 Cinternal face 0.6 mm aluminum sheet external face 0.6mm galvanised steel sheet coated with plastisol 100 mm micron floor anti - slip aluminum ( jacker) tow cooling units
	6-AIR CONDITIONING INSTALATION :
	SUPPLY AND INSTALLED AIR COOLED PACKAGED WATER CHILLERS WITH CENTERFUGAL PUMPS AND AIR HANDLING UNITS AND CEILING FAN COIL . IN SIDE TEMP (16-20)C AMBIENT (EXTERNAL) TEMP 50C CONDENSING UNIT (ONE STAND BY WITH AIR COOLED CONDENSING UNITS INTERNAL DESIGN TEMP. 6-20C
	7- electrical installation :
	a- transformer with suitable capacity and all hight tension equipment and cabling
	b- main switch boardse and distribution boards mounted out side the store
	c- cabling / sub - circuits wiring
	d- lighting : provided from florescent fitting (double floorescent ) 20 w/m2 with reflector (tld 36 w) for inside the store and hp sodium 250 w with fitting for outside
	8-fire alarm system : acomplete fire alarm system comprising break glass points on fire exit doors and sirens to give audiblity throughout the building and with sensors ( smoke , heat , radiation ) with wire and cable complete with all necessary fitting and terminations ( control boarde)
	9-fire fitting system ( automatic sprinkler system) design manufature deliver and installation of an automatic roof sprinklers system in each store including the following equipment per store and fire extignation
	a- all pipe work fittings hangers and sprinklers heads
	b- all necessary installation controlling valve
	c- three automatic fire pumps ( tow electrical and the third is diesl with all boards
	d- water storage tank enough for one hour made from galvamised steel
	e- joky pump
	10- storage racking : storage racking type narrow aisle racking from galvanside steel hight 6100 mm ther for allowing 6 pallet hogh stacking per bay the bay dimension is 2x1000 mm width x1200 mm deep the distance between racking (1700-1800)mm
	11- frok lift truck:
	a-two frok lift per stor.for the racking rider electric readh truck which operates in narrow gang ways.(side laoiking)
	capacity 1350 KG lifting height 7000mm tyres.driver/steer-cushion rubber load/buthane/polyuretheue width. max. 1600mm battery 48V with charger them 8 hours 229/25V AC single phase 50HZ
	b-two frok lift per stor / for loading and unlauding from capacity 1350KG lifting hight 2500-3000mm with battery 24V

	12-generator for each stor 500KVA charger,sound of whether proof container.	one generator water cool,turdo
	13-one electronic,digital (PABX),6trunk,64 extension with all necessary equipment,UPS power suply MDF.and telephon set.	
	SECOND: general condition	
	1-the offer should include work shope drawing for foundation and mechanical ,electrical-fire fighting	
	2-one year waramty 1 spare parts and labour.	
	3-one year mainten ance labour only	
	4-foumdation will be don by the eliemnt according to your design and drawing	
	5-stor building to risut 140KM/Hr	
	6-supply quick moving spare part list enough for five yeas	
	7-the company shoulds submit training course for 6 technicians for three weeks and am invitation for 4 engineers for observation for two weeks	

<b>02-06-00322</b>	<b>Telephone exchange system</b>	6
	Capacity :1000 line	
	10% of lines for special	

<b>02-06-00323</b>	<b>Packaged unit air-conditioning 12 ton for lift room</b>	2
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<b>02-06-00324</b>	<b>Equipment: Multimedia projector</b>	100
	minimum specification	
	- 650 ANSI Lumens	
	- SVGA (800X600) on – screen resolution	
	- Portable 8.2 Kg	
	- 4on- screen presentation tools	
	- full remote control with “ virtual mouse “	
	- screen image size (diagonal) : 53 CM to 762CM	
	- four in put channels for computer and video signals	
	- built-in speakers and audio in puts for external connection	

<b>02-06-00325</b>	<b>Equipment : Scanner</b>	100
	-push – button scanning	
	- full 36 – bit cooler depth ( in put and out put)	
	- solid steel chassis	
	- fast single – pass scanning	
	- quick easy – to – install enhanced parallel ( EPP) inter face ( no. SCSI card necessary )	
	- 600 X 1200 DPI optical resolution	
	- 9600X9600 DPI enhanced resolution	
	- Arabic and English OCR +caress Omni page softwares	

<b>02-06-00326</b>	<b>Equipment : notebook</b>	100
	- intel pentium II 300 MHZ with MMX TECHNOLOGY	
	- Intel mobil module (IMM) architecture	
	- 128 Mb EDO DRAM	
	- 512 KB secondary cache	
	- 9GB HDD	
	- 1.44 Mb modular floppy drive	
	- 24X CD- ROM ( optional DVD- ROM drive )	
	- 13.3" TFT screen / XGA screen	
	- integrated 16-bit stereo sound system	
	- NTSC/PAL TV out and s-video out	
	- S3 Virge MX/ 4Mb (videschip/RAM)	

- PCMCIA 56K integrated fax modem			
- 232-bit card, 1zoomed vides (PC card slot)			
- (Battery/life) lithium ion/2.9 hours			
- (Dimensions/ Travel weight) 2.1x12x9.5"/8.6 pounds			
- USB and fast IR ports			
- Integrated personal touch pad			
- 2 extra Battery and charger for each Unit			
- VDC connector			

<b>02-06-00327</b>	<b>EQUIPMENT:ROOF</b>				100000M 2
	- U Value Kcal/m2 hc: 0.55-0.74				
	- Weight/Kg/m2: 12.51				
	- Length/m: 6-9				
- External face 0.63mm galvanised steel sheet 0.45mm profile coated with 25 microns superacrylic in standard colour. Internal face 0.63mm thick galvanised steel sheet ribbed with 4mm profile coated with 25micron superacrylic in standard colour Insulation 30mm polyurethane foam core density 40-50KG/m3					

<b>02-06-00328</b>	<b>EQUIPMENT:WALLS</b>				30000 m2 with angle and Tee elements
	- U Value Kcal/m2hc: 0.55-0.74				
	- Weight/Kg/m2: 12.51				
	- Length/m: 6-9				
- External and Internal face 0.63mm galvanised steel sheet with 4mm profile coated with 25 micron superacrylic in standard colour. Insulation 30mm polurethane foam core. Density 40-45 Kg/m3					

<b>02-06-00329</b>	<b>Offset machine four colors size 72x102cm</b>				8
<b>02-06-00330</b>	<b>Offset machine . four colors size 52x74cm with numbering system</b>				8
<b>02-06-00331</b>	<b>Offset machine size 36x52cm four colors with numbering system</b>				16
<b>02-06-00332</b>	<b>Camera photo for off set with drum scanning and all accesries</b>				4
<b>02-06-00333</b>	<b>Device Contact size :100 X 150</b>				4
<b>02-06-00334</b>	<b>Stitching machine with four heads four size 20x25mm</b>				12
<b>02-06-00335</b>	<b>Machine of tying string</b>				8
<b>02-06-00336</b>	<b>Collection machine for all sizes</b>				8
<b>02-06-00337</b>	<b>High speed paper cutter (width 115cm) with ten knives as spare</b>				20
<b>02-06-00338</b>	<b>Inking operator for GTO machine size . 32 X 46 cm</b>				12
<b>02-06-00339</b>	<b>Inking operator for GTO machine size : 35 X 52 cm</b>				12
<b>02-06-00340</b>	<b>Numbering box letter press for 6 numbers back down</b>				1000

<b>02-06-00341</b>	<b>FILM ARTS GRAPHICS BLACK &amp; WHITE</b>				
	Size : 50 X 60 cm				100
	100X70 CM				100
	40 X 60 cm				100

<b>02-06-00342</b>	<b>Set . of light notes to dark notes that</b>				2set
	Return to picture .				
<b>02-06-00343</b>	<b>plate pressing size : 102X71 cm</b>				100 boxs each box 50 sheet
			52X74 cm		100 boxs each box 50 sheet
			32X 46 cm		100 boxs each box 50 sheet

<b>02-06-00344</b>	<b>Blanket size : 102X71 cm</b>				400
		50X74CM			400
			32X52 cm		400
			32X46 cm		400

<b>02-06-00345</b>	<b>Under blanket size: 102X71 cm</b>				400
		52X74CM			400
			32X52 cm		400
			32X46 cm		400

<b>02-06-00346</b>	<b>Developer plate A &amp; B</b>				2000 for each
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<b>02-06-00347</b>	<b>Correction</b>				100 bottle
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<b>02-06-00348</b>	<b>Fixer</b>				100 gallon
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<b>02-06-00349</b>	<b>Ster ion sheet 100X70 cm</b>				2000 sheet
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<b>02-06-00350</b>	<b>Steel core for switching machine 22\19&amp; 21\19</b>			1000 turning
	copper core for switching machine 22\19& 21\19			1000 turning

<b>02-06-00351</b>	<b>Cart bort 100 X70 cm , 240 g\m?</b>			white coloer 10000 band
	Cart bort 100 X70 cm , 240 g\m?			green coloer 10000 band
	Cart bort 100 X70 cm , 240 g\m?			blue cooler 10000 band
	Cart bort 100 X70 cm , 240 g\m?			pink cooler 10000 band

02-06-00352	Cart bort 100 X 70 cm ,200 g\m?			white cooler 10000 band
	Cart bort 100 X 70 cm ,200 g\m?			green coloer 10000 band
	Cart bort 100 X 70 cm ,200 g\m?			blue coloer 10000 band
	Cart bort 100 X 70 cm ,200 g\m?			pink coloer 10000 band

02-06-00353	Cart bort 100 X70 cm ,180 g\m?			white coloer 10000 band
	Cart bort 100 X70 cm ,180 g\m?			green coloer 10000band
	Cart bort 100 X70 cm ,180 g\m?			blue color 10000 band
	Cart bort 100 X70 cm ,180 g\m?			pink coloer 10000 band

02-06-00354	Paper 100 X 70 cm , 80 gm ,			white coloer 10000 band
	Paper 100 X 70 cm , 80 gm ,			white color 10000 band
	Paper 100 X 70 cm , 80 gm ,			white coloer 10000 band

02-06-00355	Inking off set			1000sets & 6000 kg black
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02-06-00356	Inking letter			500 & 1000 kg black
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02-06-00357	Carbon papers 100X70 cm			white coloer 2000 band
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	Carbon papers 100X70 cm			blue coloer 2000 band
	Carbon papers 100X70 cm			pink coloer 2000 band
	Carbon papers 100X70 cm			yellow coloer 2000 band

	<b>EQUIPMENT: SUB – STATION</b>			
	SITE:SADDAM MEDICAL CITY			

<b>02-06-00358</b>	<b>STEPDOWN TRANSFORMER DELTA/ STAR</b> 11000/400VOLT, 3500KVA, 50HZ, DRY TYPE, TOTALLY ENCLOSED, INDOOR MOUNTED AND SHALL BE BUILT IN ACORDANCE WITH THE LATEST SPECIFICATION OF BS AND\OR IEC	6
	115 C RISE ABOVE 50 C AMBIANT , CAPABLE OF CARRYING 15% CONTINUOS OVERLOAD WITHOUT EXCEEDING A 150 C RISE	

<b>02-06-00359</b>	<b>A COMPLETE HIGH VOLTAGE SUB-STATION</b> CAPABLE OF FEEDING 3 TRANSFORMERS ; ONE SWITCHGEAR FOR EACH AND A MAIN INCOMMING FEEDER	2
	THE H.V SWITCHGEAR SHALL BE HORIZONTAL DRAW OUT C.B , INDOOR CONSTRUCTION ,WEATHER PROOF , VOLTAGE RATTING 15 KV, SYSTEM VOLTAGE 11 KV, 3 PHASE, 3 WIRE, 50 Hz.	
	DESIGNED MANUFACTURED AND TESTED ACCORDING TO THE BS AND\OR IEC CODE ,WITH ALL PROTECTION AND METERING EQUIPMENTS , THE BREAKER SHAL BE OPERATED BY A MOTOR CHARGED SPRING THE STORED ENERGY MECHANISM, 110 OR 24 VDC AND IN AN EMERGENCY BY A MANUAL HANDLE, THE SUB-STATION SHALL CONSISTS OF A DC CHARGER 110V OR 24V	

<b>02-06-00360</b>	MEDIUM VOLTAGE SWITCH BORD MAIN AND TIE CB, SHALL CONSIST OF 3-MAIN INCOMMING FEEDERS FROM THE TRANSFORMERS AND 9- OUTGOING FEEDERS TO FEED 9-CHILLERS OF 1508 AMP EACH, AND 2 TIE BREAKER AND SHALL BE INTERLOCKED WITH THE MAIN BREAKERS SO BOTH BREAKERS CAN NOT BE CLOSED SIMULTENEOUSLY.	2
	THE MAIN AND TIE CB'S SHALL BE THE FUSED DRAWOUT TYPE, MECHANICALY AND ELECTRICALY OPERATED AIR CB'S , WITH ALL PROTECTION AND METERING EQUIPMENTS , CALIBRATIONS AND ADJUSTMENTS SHALL BE IN ACCORDANCE WITH I.E.C STANDERDS	

<b>02-06-00361</b>	<b>BUSWAYS 5000 AMP. RATING</b>	160
	PROVIDE TOTALLY INCLOSED WEATHER PROOF LOW IMPEDANCE BUS WAYS BETWEEN TRANSFORMERS SECONDARIES AND M.V MAINSWITCH BORDS , COMPLETE WITH INCLOSURE , ELBOWS , FITTINGS SUPPORTS , HANGING DEVICES ,ACCESSORIES, CABLE TAP BOXES.	METERS
	BUSWAY SHALL BE 220/380 V , 3 PHASE ,4 WIRE , 50 Hz .	

<b>02-06-00362</b>	<b>Field car ( 4WD a/c model 99 )</b>	154
	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-CONDITIONING SYSTEM FIT WITH OUR WEATHER (HEATING AND COOLING)	
	6.SUSPENTION: HEAVY DUTY	
	7.TIRES WITH TYPES SUITABLE FOR DIFFERENT ROADS (HIGH QUALITY)	
	8. DOORS: TWO DOORS IN EACH SIDE OF THE VEHICLE WITH REAR DOOR	
	9. MIRRORS: TO BE EQUIPPED WITH 2 SIDES MIRRORS AND ONE INSIDE	
	10. ACCESSORIES: TO BE EQUIPPED WITH JACK + WHEEL WRENCH AND HAZARD TRIANGLE AND ANY EQUIPMENT NECESSARY FOR JOB OF THIS VEHICLE	
	11. MAINTENANCE FOR ALL VEHICLES FOR 2 YEARS ON A COUNT OF THE COMPANY WITH TRAINS FOR ENGINEERS AND TECHNICIANS (5PERISON) FOR ONE MONTH	

<b>02-06-00363</b>	<b>Photo copy machine</b>	40
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<b>02-06-00364</b>	<b>Overhead projector , LAMP 650 W , 25 ? 25 cm</b>	32
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<b>02-06-00365</b>	<b>Television ( 39 inch )</b>	32
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<b>02-06-00366</b>	<b>Video camera ( VHS ) with accessories</b>	32
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<b>02-06-00367</b>	<b>Double- cassette recorder with amplifier</b>	32
<b>02-06-00368</b>	<b>Video ( VHS ) with accessories</b>	32
<b>02-06-00369</b>	<b>Photo Camera</b>	32
<b>02-06-00370</b>	<b>Slide projector with all accessories</b>	8

<b>02-06-00371</b>	<b>Assembly of video – tape equipment ( for recording , play – back &amp; editing ) (VHS system)</b>	2
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<b>02-06-00372</b>	<b>Pentium II -450 MH3w/cache</b>			100
	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 )			

<b>02-06-00373</b>	<b>STAND BY POWER</b>			42
	150 KVA generator with automatic change over switch			

<b>02-06-00374</b>	<b>Stand by power</b>			2
	20 UPS 2 KVA generator with automatic change over switch			

<b>02-06-00375</b>	<b>Telephone exchange system</b>			2
	2 out line x 20 in line			

<b>02-06-00376</b>	<b>EQUIPMENT: Generator (1000KVA )</b>			360
	Generator (250KVA)			312
	1500 KVA			18
	750 KVA			38
	550 KVA			146
		55 KVA		344
	Fully automatic mains failure diesel generator sets suitable for operation in tropical dusty atmosphere at ambient temp. Ranging from 0C-60 C and humidity 95% on weather sound proof container for (1500 ,750 ,550)KVA and weather proof canopy with sufficient place for maintenance and repairing.			
	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			
	- regreasable type bearing DE and NDE life time equals 100,000 hours			
	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 AH ,voltage 24 V for (1500,750,550)KVA, 12V 120 AH for 55KVA			
	Time delay on starting 0-60 second On release 0-15 minutes			
	Over load operation 10% for one hour			
	The diesel engine, (west European origin made ,first oil filling , water cooled with turbocharger intercooler for 500 KVA and above electronic speed governer )is rigidly coupled with synchronous alternator (west European origin ,self exiting self regulating revolving field Brushes automatic voltage regulation) and mounted on a common base frame and probably connected electrically and mechanically to control panel which is designed for full automatic operation with status indication.			
	The set engine and alternator and control panel is equipped with all accessories needed for sensing indicating warning metering protecting and supervision the flowing:			
	1- starting failure			
	2- over and under voltage			
	3- over and under speed			
	4- Oilpressure and temp.			
	5- low fuel level			
	6- Water pressure and temp.			
	7- phase failure and sequence			
	8- Over load and short circuit.			
	9- battery failure			
	10- lubrication system failure			
	11- cooling and pre-heating system failure			
	12- fuel injection system failure			
	13- Alternator winding and bearing temp.			
	14- alternator over current			
	And also the control panel should contain the followings :			
	1- pair of change over contractors mechanically & electrically interlocked			
	2- circuit breaker fitted with thermal overload trips & magnetic short circuit release , the generator .			
	3- automatic battery charger device 220/24 volt with voltmeter & ampere meter for starter battery voltage & current , MCB for charging device , switch on/off for battery voltmeter , indication of failure in battery system			
	4- manually operated change - over switch to connect load directly to network to facilitate isolation & maintenance of control panel			
	5- time delay to isolate load from generator & connecting it to the main power setting one minute			
	And also ) Electric lighting must be sufficient inside the container at least 6 florescence (40 watt ,220 volt for each fluorescence) and 20 watt , 220V for the outside control panel			
	The offer including :			
	1-.installation one set of each size at site			
	2- spare part for 5-years			
	3-warranty period of tow years after operation at site			
	4-three years maintenance after period of warranty			
	5-training on factories for three engineers for one month			
	6-complete standard set of tools and measuring equipment for each set			
	7-complete set of mantas and diagram for each set			

02-06-00377	Electric drill				2
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02-06-00378	Dishes washing machine				4
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02-06-00379	<b>Ampoule sealing machine with accessories</b>				2
02-06-00380	<b>Cold room</b>				8
	35C 9.5M3				
02-06-00381	<b>Cold room</b>				8
	+2/+6 C 7.2M3				
02-06-00382	<b>Security system</b>				2
02-06-00383	<b>Specific printer for bar</b>				200
02-06-00384	<b>Lab refrigerators</b>				20
02-06-00385	<b>Vacuum</b>				2

02-06-00386	<b>VEHICLE</b>				30
<b>SPECIFICATION OF FIRE FIGHTING TANKS</b>					
A: BASIC VEHICLE:					
Type : Forward control					
Drive : 4 x 2					
Engine: Diesel Engine, Water cooled.					
Brake: Service : Air over hydraulic with dual circuit.					
Parking : Internal expanding type.					
Auxiliary: Exhaust brake					
Frame: Parallel, tapered channel section type with crossmembers and reinforcements.					
Steering: Left hand steering ball nut type with integral type hydraulic power booster telescopic and tilt steering column with steering lock.					
Suspensions: Front and Rear					
Laminated leaf springs with shock absorbers.					
Electrical system: 24 volt					
12 volt x 12, 120 Ah at 20 hr					
Fuel TANK: 250 liters					
Driver's cab: All steel , tilt cab.					
Caution plate: Arabic					
Measurement: Metric (Km/h)					
B: CHASSIS: 4 x 2 version with G.V.W of 18 tons with suitable wheel base					
Cabin seats: 3- seats.					
Body work: Steel built, self bearing structure of modern design with (2) storage lockers on each side closed by light alloy anodized roller shutters and rear pump storage closed by hinged door.					
Water Tank: Stainless steel 8000 1ts. Tank provided with baffle plates, overflow pipe, manhole connection pipes to the pumps road hydrants inlet gate level indicator.					
Pump: Centrifugal pump of combined type (medium and high pressure) made of bronze the pump can be utilized while the vehicle is moving.					
Reel: 60 Mts. High pressure hose with full jet and nebulized jet pistol.					
Siren and beacon: High frequency and efficient lighting					

02-06-00387	Split unit 25 TON				6
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<b>02-06-00388</b>	<b>Freezer - 40 C0</b>				12
<b>02-06-00389</b>	<b>Freezer - 120 C0</b>				4
<b>02-06-00390</b>	<b>Network</b>				
	PACS (Picture Archiving and communicating system ):				10
	state of the art and of up gradeable technology				2
	-to serve linking the X-ray dept internally & to the following stations digitally :				20
	conference room				2
	operation rooms				4
	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 ,digital mobile C-arm & each U/S unit				
	UPS				
	Five years maintenance incl spar parts				

<b>02-06-00391</b>	<b>Main conference room</b>				2
	Projection T.V and screen				
	Overhead projectors X2				
	Slide projectors X2				
	Video (pal)				
	Multiple X- ray viewers - mobile				
<b>02-06-00392</b>	<b>Doctors offices :</b>				2
	In each office the facility to be provided with computer terminal linked to X-ray conference room and cable of storing re- reports and pictures in digital form on discs or otherwise and supplied with a laser printer to print X-ray reports				
	Tow extra stations in two extra doctor offices				
<b>02-06-00393</b>	<b>Pakeg unit 7,5 Ton</b>				10
<b>02-06-00394</b>	<b>Pakeg unit 5 Ton</b>				6
<b>02-06-00395</b>	<b>submersible draings Pump for spring well</b>				8
	old model :- SP25 -15				
	H = 35M QFLOW = 100GPM				
	out put connection = 3 inch flange				
	V = 380 50HZ 3Q				

<b>02-06-00396</b>	<b>C02 incubator</b>				24
	Mince - 1000 - solid state				

<b>02-06-00397</b>	<b>Steam boiler 3TON</b>				2
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<b>02-06-00398</b>	<b>Water treatment (deionized water) (hemodialysis)</b>				56
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					

<b>02-06-00399</b>	<b>Vacuum air</b>				4
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<b>02-06-00400</b>	<b>Cooling tower</b>				6
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					

<b>02-06-00401</b>	<b>Photo graphy equipment</b>			2
	(iron for drying the negative)			
<b>02-06-00402</b>	<b>Tanks for film development</b>			8
<b>02-06-00403</b>	<b>BOILING PAN,GASEOUS:</b>			400
	100LT,S/S with lid, water inlet, discharge faulet, LPG control, safety valve, jacketed, floor mounted.			
<b>02-06-00404</b>	<b>BOILING PAN,ELECTRIC:</b>			400
	As above but electric heated, controlled.			
<b>02-06-00405</b>	<b>BOILING PAN, ELECTRIC:</b>			400
	As above but steam heated, controlled.			
<b>02-06-00406</b>	<b>DEEP FRYER,GASEOUS:</b>			400
	Double well with baskets, covers, all stainless steel, ltemperature control floor mounted, size about 600x800x650.			
<b>02-06-00407</b>	<b>DEEP FRYER,ELECTRIC:</b>			400
	As above, but electric operated, 380V, 3PH,thermostatic control, timer.			
<b>02-06-00408</b>	<b>COOKER, GAS RANGE:</b>			400
	With oven, 5cuft,S/S body, burners, 900x900x800,pilot flame, controls, industrial design.			
<b>02-06-00409</b>	<b>COOKER , ELECTRIC RANGE:</b>			400
	As above but electric, thermostat control (18) KW total load, 4 hot plates, with oven.			
<b>02-06-00410</b>	<b>MEAT MINCER:</b>			400
	Heavey duty meat grinder, 1 1/2 HP motor capacity not less than 200 KG/HR, with full set of orifice plates, cutter, access.			
<b>02-06-00411</b>	<b>MEAT SAW:</b>			400
	Floor mounted S/S table and parts, 900x600mm working table, 1 1/2HP motor full protections and controls.			
<b>02-06-00412</b>	<b>SLICER:</b>			400
	Heavy-duty compact, food slicer, S/S and aluminfinish, table type, gravity feed, full set of knives and access, 1/4 HPmotor, 220V.			
<b>02-06-00413</b>	<b>GRILL GASEOUS:</b>			400
	800X500 450 high with adjustable levels, floor mounted, s/s external finish, adjustable heat of (10KW) with accessories.			
<b>02-06-00414</b>	<b>GRILL ELECTRIC:</b>			400
	AS above but electric heaters, 10KW, 380V, 3PH,controls, access.			
<b>02-06-00415</b>	<b>OVEN, GASEOUS:</b>			400
	1000X800X500 depth oven, glass door, adjustable, temp, shelving, all S/S construction, accessories, timer temp. Indicator.			
<b>02-06-00416</b>	<b>OVEN,ELECTRIC:</b>			400
	AS above but electric powered 15KW, 380V, 3PH.			
<b>02-06-00417</b>	<b>FOOD CUTTER:</b>			400
	14 bowl food cutter, all S/S, adjustable speed, easy clearable, with set of accessories, attachments spare knives, table mounted.			
<b>02-06-00418</b>	<b>FOOD MIXING MACHINE:</b>			400
	Floor mounted, 1/3hp, 1-pH motor, adjustable speed, mixing BOW1 20-quart, with full set of attachment, meat chopper, meat slicer, timer, and accessories.			
<b>02-06-00419</b>	<b>KETTLE ELECTRICAL:</b>			400
	5 LT boiling kettle, electric, controlled ,all S/S with insulated handle and base			

<b>02-06-00420</b>	<b>TEA URN:</b>					400
	20 LT electric tea urns adjustable temp. With thermostat and thermometer, level gauge, all stainless steel with insulated handle and base.					
<b>02-06-00421</b>	<b>POTATO PEELER:</b>					400
	Floor mounted 8LT load, 1/2 hp motor with full accessories and attachments.					
<b>02-06-00422</b>	<b>HOT CUPBOARD:</b>					400
	1100X650X800 hight, electric heated, 50-130C, controlled, all S/S, sliding door, heated top, insulated feet.					
<b>02-06-00423</b>	<b>ICE CUBE MACHINE:</b>					400
	Chest type with storage bin, 4 KG/HR ice-making machine, S/S construction, automatic operation.					
<b>02-06-00424</b>	<b>INSECT KILLER:</b>					400
	Hanging U.V.lamp, industrial insect killer with HV grid, collection tray.					
<b>02-06-00425</b>	<b>SINK AND TABLE:</b>					400
	Heavy gauge S/S, round edges, back splash table, double BOW1, mounted on S/S.					
<b>02-06-00426</b>	<b>PREPERATION TABLE:</b>					400
	Heavy gauge S/S, round edges table, mounted on S/S legs, with low grid shelf, dim 2100x650x900, wood reinforced.					
<b>02-06-00427</b>	<b>MOBILE SINK:</b>					400
	Sink (1) mm S/S, on castors, 220 LT with drain valve.					
<b>02-06-00428</b>	<b>STAINLESS STEEL SHELVING:</b>					400
	Heavy gauge shelving adjustable hight of 4 shelves per unit, each 1400x550, hight 800mm post 35m square S/S.					
<b>02-06-00429</b>	<b>CONVECTION OVEN:</b>					400
	Electric operated, (10) shelves of 500x650mm upto 180 C, floor mounted, adjustable temp, timer, heavy duty motor/fan, glass doors, over all dim 900x900x750 on legs of 650mm high, 10 - 15KW, 380V,S/S construction, well insulated, with full accessories, 20 pans, pan carrier, trolley.					
<b>02-06-00430</b>	<b>Bench surface protector</b>					4 packets
<b>02-06-00431</b>	<b>Drying cabinet ,large</b>					4
<b>02-06-00432</b>	<b>Dryining rack wall mounted &amp; bench top 72 place, 22 place</b>					4for each
<b>02-06-00433</b>	<b>Air condition 2.5ton</b>					20
<b>02-06-00434</b>	<b>Telephone exchange system</b>					2
	200 inter line					
	10 outer line					
<b>02-06-00435</b>	<b>Freezer, - 80C</b>					6
<b>02-06-00436</b>	<b>Deep freezer (-70 , -120 C )</b>					8
<b>02-06-00437</b>	<b>Chilled water airconditioning system 50K.W</b>					6
<b>02-06-00438</b>	<b>Aircondition package type 25K.W.</b>					8

02-06-00439	Window type airconditioner 24000 P.t.U			40
02-06-00440	Window type airconditioner 18000 P.t.U			100
02-06-00441	Emessioning water pump 4"			8
02-06-00442	Emessioning water pump 3"			6
02-06-00443	Freezing store room 18m3 - 30°C			2
02-06-00444	Cold store room 24m3 - 4°C			2
02-06-00445	Electric hot water boiler 3000 lit3			8
02-06-00446	Refrigerator 6 feet			100
02-06-00447	Refrigerator 12 feet			20
02-06-00448	Coloured T.V 16 inch			60

02-06-00449	Telecommunication unit 400 lines with telephones			2
02-06-00450	P.C. computers			20
02-06-00451	Mechanical & electric tools			6 sets
02-06-00452	Flour mixer capacity 100gm			2
02-06-00453	Bread fertilizer			2
02-06-00454	Baker oven electric			4
02-06-00455	Meat mixer large size			4

02-06-00456	Electric coolr large size			4
02-06-00457	Pick up motor vehicle 1 ton			2
02-06-00458	Clothes washer machine large size			4
02-06-00459	Clothes steam iron machine larg size			2

02-06-00460	Vaccum floor dryer			4
02-06-00461	Hoover (vaccum cleaner)			4
02-06-00462	Dry woop			30
02-06-00463	Double trolley carrie for floor cleaning with woop & seguer with 2 plastic bags			30
02-06-00464	Electric table calculator			10
02-06-00465	Grass grinder electric			4
02-06-00466	Electric arabic printer			16
02-06-00467	Electric english printer			4
02-06-00468	Tool & equipment for mechanical work shop			2set
02-06-00469	Tool & equipment for electronic work shop			2 set
02-06-00470	Closed circuit TV. system			2
02-06-00471	Cameras fixed in operation theaters with out door monitoring system			6
02-06-00472	Computer for hospital use			2
02-06-00473	Laundary & CSSD central station			2
02-06-00474	Bleep- Doctor call (3 miles range)			for60 person

02-06-00475	Equipment-dusters			1000
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<b>02-06-00476</b>	<b>mist sprying machine holed by back with spare parts</b>	1000
<b>02-06-00477</b>	<b>fogging mechine with spare parts</b> - the A/M item should be included the followingtechnical specifications 1- self starting engine (4 storke machine ) 2- multi purposes unit cap be used for thermal foging low volume application is cold aerosol sparyer for residual treatment is larvicidespraying 3- accessoriise for the control of temprerture according to the weather conditions also for regulation of the size of partcls is for those of spraging 4- double spraying lances 5- adjusting value for regulation of the lange of fog generation between 400-600 m <sup>3</sup> /min is expenditure of 10-200 gallon/ hr 6- range of diameter of partiles 0.5- 200m(micron)	200

<b>02-06-00478</b>	<b>trailer with spare partes</b>	1000
<b>02-06-00479</b>	<b>hudson x-pert 10 liter with spare partes</b>	2000
<b>02-06-00480</b>	<b>wheal barrow power sprayer 100 liter with spare partes</b>	1000

<b>02-06-00481</b>	<b>IGEPA TF 35 fog generator with spare partes</b>	1000
<b>02-06-00482</b>	<b>IGEPA high performance FOG generator (jumbo) with spare partes 100</b>	1000
<b>02-06-00483</b>	<b>IGEPA HD 160 with spare partes</b>	1000

<b>02-06-00484</b>	<b>cooling tower</b>	6
	capacity : 750 ton = 9X 10 <sup>6</sup> Btu/hr = 2268.66 thermie /hr	
	water out let temp. 7-26 C0	
	wet bulb temp 24.5C	
	water flow rate = 330 m <sup>3</sup> /hr	
	tower weight empty weight : 2630 kg	
	full with water : 7810kg	
	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	

<b>02-06-00485</b>	<b>EQUITMENT: RADIO (WIRELESS) COMMUNICATION NET WORK FOR MEDICINES CARRYING TRUCKS</b>			
	CONSISTING OF THE FOLLOWING:-			
	- NETWORK SYSTEM OPERATE WITH CODING – DECODING DEVICE			
	- ALL NECESSARY ANTENNA FOR THE FOLLOWING STATIONS WITH MAST (IF REQUIRED):			
	CENTRAL STATION WITH DESK CONTROL AND UPS FOR 6 HOURS OPERATION: -(MULTI CHANNELS)			
	1. TO OPERATE ALL CHANNELS FROM ANY DESK.			
	2. DISPLAY FOR CODING AND DECODING SYSTEM			
	3. DIGITAL CLOCK			
	4. LAMPS FOR RECEIVING, TRANSMITTING AND STAND BY.INDUCTIA			
	5. SEMI-DUPLEX OPERATION (PUSH TO TRANSMIT)			
	6. RF OUTPUT POWER SUFFICIENT TO COVER AN AREA OF COUNTRY OF IRAQ.		4	
	FIXED STATION (MULTI CHANNELS):			
	7. TO COMMENCE WITH CENTRAL STATIONS AND OTHER FIXED STATIONS..			
	8. RF OUT PUT POWER SUFFICIENT TO COVER ALL COUNTRY OF IRAQ			
	9. UPS FOR 6 HOURS OPERATION			
	10. EXTRA LAUD SPEAKER.		40	
MOBILE STATIONS				
(AS FIXED STATION ABOVE)			360	
2 YEARS WARRANTY (SPARE + MEN POWER)				
3 YEARS MAINTENANCE MEN POWER ONLY TRAINING FOR 4 FROM OUR TECHNICAL STAFF FOR 3 WEEKS FREE OF CHARGE.				
* SPARE PARTS LIST WITH ITEM PRICE				
* FULL CATALOGS (OPERATING AND MAINTENANCE WITH CIRCUIT DIAGRAM WITH EACH UNITS).				

<b>02-06-00486</b>	<b>Donor chair</b>			6
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<b>02-06-00487</b>	<b>Tube sealer</b>			4
<b>02-06-00488</b>	<b>Cool box</b>			20
<b>02-06-00489</b>	<b>CO2 or N2O</b>			20 bottel
<b>02-06-00490</b>	<b>fan coil unit</b>			2000
<b>02-06-00491</b>	<b>plasma deep freez</b>			300
<b>02-06-00492</b>	<b>centrifugal electric chiller</b>			92
<b>02-06-00493</b>	<b>Freez -20C</b>			2

<b>02-06-00494</b>	<b>Steam boiler</b>				54
	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				
	full automatic packaged boiler with atomatic blowdown system feed water pump level control , control panal , safty fitting , valves as necessary , with :				
	a) dual base - exchange softener of 5 m3/hr at 220 ppm water hardness				
	b) 10000 lt fuel tank				
	c) 2000 lt condensate tank				
	d) blow down receiver complete				
	e)5 meters chimeny				
	f) chemical dosing pump with tank and fitting complete				
	g) 5 year recommended spare parts				
	h) 1 year warranty				
	I) training of 2 engineers in factory				
	j) supervision on installation				

<b>02-06-00495</b>	<b>DUPLEX WATER SOFTENING PLANT</b>	2 set
	SADDAM MEDICAL CITY	
	Supply a duplex water softener :	
	Service flow rate : 90m3\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 :950m3(based on 200 PPM input)	
	Regeneration initiation flow meter	
	Salt consumption per regeneration : 430 kg	
	Brine tank recharge capacity : 1.25m3	
	Working presser 5.0 bar max	
	1.72 bar min.	
	electricity supply : 380v,3 phase,50 Hz	
	fully wurd,piped assembeled on skid , control panel fitted ready to connection.	
	full detailed specs and drawings to be submitted	
	Ultraviolet water bacteria removal unit for 10 m3/hr filtered water	12
	10 m3/hr filter for drinking water,dublex sand filter with automatic controls flow intiated with full accessories	12
	Set of 5-year spare parts,training,supervision on installation,test kits,consumables for one year,to be included for above.	1Lot

<b>02-06-00496</b>	<b>NURSE CALL SYSTEMS</b>		
	MANUFAC.DUKANE		
	SADDAM MEDICAL CITY		
	SYSTEMS COMPLETE REBUILD, SUPPLY OF REPLACEMENT 100 CENTRAL NURSE STATIONS, DOOR INDICATORS,PATIENT	2 LOT	
	CALL CORDS ,BUTTENS AND ACCESSORIES		
	INSTALLATION,SPAREPARTS FOR 5 YEARS,TRAINING	2 LOT	

<b>02-06-00497</b>	<b>DOCTOR CALL SYSTEM</b>		
	REPAIR OF		
	NIRA TELESTAR		
	Saddam Medical city		
	Wireless bleep system to cover no less than 5KM radius area, central station, with 1000 pocket receiver, message LCD, rechargeable batteries and storage battery rack. With interface unit to PABX system	2	
	Set of 5-year spare parts, one year consumables, training, supervision on installation	2lot	
	3 sets of technical documents, to be included for above		

<b>02-06-00498</b>	<b>Electronic master clock system</b>		
	saddam medical city		
	Electronic master clock system consists of :	20	
	1-master time center		
	2-solid state generator		
	Each hour the master time center should initiate clock correction pulse which keys the solid state generators, the solid state generators in turn provide a carrier frequency current signal which transmitted over the building power wires to the wall clocks for time correction.		
	Replacement to SIMPLEX CLOCK SYSTEM manufactured by SIMPLEX TIME RECORDER CO. Inc (2350 master clock, 2850 solid state generator).		
	Spare parts for one year operation.		
	Secondary wall clocks, single face.	200	
	Secondary wall clocks, double face.	100	
	Set of 5-year spare parts, training, supervision on installation to be included for above	2lot	

<b>02-06-00499</b>	<b>UNINTERRUPTIBLE POWER SUPPLY UPS</b>		
	SADDAM MEDICAL CITY		
	AC POWER STATION 1.5 KVA COMPLETE WITH BATTERIES.	40	
	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,	2LOT	

<b>02-06-00500</b>	<b>Central Medical VACUUM PUMP</b>		
	SADDAM MEDICAL CITY		
	VACUUM PUM UNIT COMPLETE	4	
	FREE AIR DISPLACEMENT AT ATMOSPHERIC PRESSURE 760MMHG 1350 L/MIN		
	VOLUMETRIC THROUGH PUT AT LINE VACUUM 4050 L/MIN, 7.5KW-MOTOR		
	VACUUM PUM UNIT COMPLETE		
	FREE AIR DISPLACEMENT AT ATMOSPHERIC PRESSURE 760MMHG 900 L/MIN	4	
	VOLUMETRIC THROUGH PUT AT LINE VACUUM 2700 L/MIN, 5KW-MOTOR		
	VACUUM PUM UNIT COMPLETE	6	

	FREE AIR DISPLACEMENT AT ATMOSPHERIC PRESSURE 760MMHG 6750 L/MIN
	VOLUMETRIC THROUGH PUT AT LINE VACUUM 20250 L/MIN, 40KW-MOTOR

<b>02-06-00501</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 should exceed original features and services using same building wiring system and same telephone sets in addition suply of 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>02-06-00502</b>	<b>equipment : steam sterilizer complete</b>		
	site : saddam medical city		
	200 it steam sterilizer , multi - purpose steam jacketed stainless steel chamber , sliding door free - standing , built in steam generator , air compressor ,totally enclosed by stainless steel panels , programmable, temp - press recorder , remp , press clear indicators , with loading trolley , internal basket ready to operate after connection to water supply and 380v , 3ph, 50hz power	16	
	as above bute 500 it	8	
	ro- water treatment station to suit tow of item 1 above and one of item 2 above	8	
	recommended 5- year spare parts training supervision on installation for above	2lot	

<b>02-06-00503</b>	<b>PUMPS COMPLETE</b>					
	QTY	power Rev	suction	discharg	capacity 1/s	head
		KW sec	mm	mm		m
	8	30 48	100	75	16.5	80
	4	5.5 48	65	50	12.5	35
	4	10 48	65	50	14	55
	4	11 48	65	50	10	65
	8	0.75 24	50	37	4	10
	6	18.5 24	150	100	56.25	20
	4	1.1 48	31.25	25	3.5	14
	6	2.25 24	75	62.5	8.5	12
	4	30 24	150	125	28.6	32.8
	4	0.75 24	56	50	3.36	7.5
	4	2.2 24	86	50	5.28	13.5
	4	7.5 24	100	65	15	25.5
	4	4 24	125	100	17.42	11
	4	2 0.25	40	40	1.5	3
	4	4 16	125	125	22.5	9.8
	4	3 16	125	125	12.5	9.8
	8	2.2 48	50	50	-	-

	8	0.75	24	65	65	3.22	7
	2	2.2	24	65	65	3.24	7
	2	3	24	50	50	-	5
	2	1.1	24	65	40	3	11
	2	2.2	24	80	50	4	12
	2	1.5	24	80	50	5	11
	2	2.2	24	80	50	7	12
	2	2.2	24	80	50	8	12
	20	Mobile on wheels			20	20	
	20	Portable with extension cable			20	3	
	40	4	48	-	75	5	20
	20	8	48	-	100	6	20
	40	2	48	-	50	4.2	20

<b>02-06-00504</b>	<b>BATTERIES</b>		
	Saddam Medical city		
	Nickel cadmium battery block ,24vdc,280AH,shipped dry with sufficient quantity of electrolyte ,suitable for standby generator starter	30	
	As above but 110vdc,100ah,suitable for electrical switchgears	24	

<b>02-06-00505</b>	<b>Boiling pan,electric:</b>				52
	100 Lt , s/s with water inlet , discharge faucet , LPG control safty valve , jackted , floor mounted , electric heated, controlled with all accessories and spare parts for one year operation				
<b>02-06-00506</b>	<b>Boiling pan, steam :</b>				8
	As above but steam heated, controlled, with all accessories and spare parts for one year operation.				
<b>02-06-00507</b>	<b>deep fryer electric</b>				36
	Double well with baskets, covers, all s/s , temperature control, floor mounted, dimensions approx. 600*800*650				
	electric operated , 380 V /50 hz /3ph, thermostatic control , timer				
	, with all accessories and spare parts for one year operation.				
<b>02-06-00508</b>	<b>Cooker, electric range :</b>				4
	With oven, 5 ft3, s/s body, burners, dim. Approx. 900*900*800, pilot flame, controls, industrial design.				
	electric , thermostat control , (18 )kw total load , 4 hot plates				
	With all accessories and spare parts for one year operation.				

<b>02-06-00509</b>	<b>Meat mincer :</b>				10
	Heavy duty meat grinder, 1.5 Hp motor capacity, not less than 200Kg/Hr, With all accessories and spare parts for one year operation.				
<b>02-06-00510</b>	<b>Meat saw :</b>				6

<b>02-06-00511</b>	<b>Slicer :</b>				2
	Heavy-duty compact food Slicer, s/s and aluminum finish table type, gravity feed, 0.25 Hp motor, 220V. With all accessories and spare parts for one year operation.				
<b>02-06-00512</b>	<b>Grill, gaseous :</b>				26

	Approx. Dim. 800*500*450, with adjustable levels, floor mounted s/s external finish, adjustable heat of (10) kW, With all accessories and spare parts for one year operation.
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<b>02-06-00513</b>	<b>Oven, gaseous :</b>			32
	Approx. dim. 1000*800*600 depth oven, glass door, adjustable temp., shelving, all s/s construction,temp. indicator, timer, With all accessories and spare parts for one year operation.			
<b>02-06-00514</b>	<b>Oven, electric :</b>			8
	As above but electric powered, 15kw,380V/50Hz/3Ph.			

<b>02-06-00515</b>	<b>Food cutter :</b>			8
	14" bowl, food cutter, all s/s, adjustable speed, easy cleanable, table mounted, With all accessories, attachments and spare parts for one year operation.			
<b>02-06-00516</b>	<b>Food mixing machine :</b>			6
	Floor mounted, 1/3 Hp, 1-pH motor, adjustable speed, mixing bowl 20 quart, with full set of attachment, meat chopper, and meat slicer,.., With all accessories and spare parts for one year operation.			
<b>02-06-00517</b>	<b>Kettle electrical</b>			40
	5-LT boiling kettle, controlled, all s/s with insulated handles and base. With all accessories and spare parts for one year operation.			
<b>02-06-00518</b>	<b>Tea urn :</b>			22
	20-LT electric tea urn, adjustable temp. with thermostat and thermometer, level gauge, all s/s, with insulated handles and base. With all accessories and spare parts for one year operation.			
<b>02-06-00519</b>	<b>Potato peeler :</b>			6
	Floor mounted, 8-LT load, 1/2Hpmotor, with all attachments, With all accessories and spare parts for one year operation.			
<b>02-06-00520</b>	<b>Hot cupboard :</b>			8
	110*650*800 height, electric heated, 50-130 C, controlled, all s/s, sliding doors, heated top, insulated feet. With all accessories and spare parts for one year operation.			
<b>02-06-00521</b>	<b>Ice cube machine :</b>			64
	Chest type with storage bin, 2kg/hr, ice making machine, all s/s, automatic operation, With all accessories and spare parts for one year operation.			

**02-06-00522 Insect killer :** 50

Hanging U.V. lamp, industrial insect killer with HV grid, collection tray, With all accessories and spare parts for one-year operation.

<b>02-06-00523</b>	<b>Sink and table :</b>			14
	Heavy gauge s/s, round edges back splash able double bowl mounted on s/s approx dim : 2100x650x900 with all accessories and spare parts for one year operation			
<b>02-06-00524</b>	<b>Preparation table :</b>			6
	Heavy gauge s/s, round edges table, mounted on s/s legs, with low grid shelf, dim.:2100*650*900, wood reinforced.			
	With all accessories and spare parts for 1- year operation.			
<b>02-06-00525</b>	<b>Mobile sink :</b>			14
	Sink (1)meter s/s, on castors, 220 LT with drain valve. With all accessories and spare parts for one year operation.			
<b>02-06-00526</b>	<b>Stainless steel shelving :</b>			8
	Heavy gauge shelving adjustable height of 4-shelves per unit dims. 1400*550*800 height, post 35mm2 s/s			

<b>02-06-00527</b>	<b>Convection oven :</b>			8
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	Electric operated, (10)shelves of 500*650mm up to 180C, floor mounted, adjustable temp., timer, heavy duty motor/fan, glass doors, over all dim. 900*900*750 on legs of 650 mm height, 10-15 kW, 380v, s/s construction, well insulated, with 20 pans, pan carrier and trolley, With all accessories and spare parts for one year operation.
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<b>02-06-00528</b>	<b>Medium voltage switchgear</b>			
	saddam Medical city			
	Type	Closing voltage	Tripping voltage	
	Air circuit breaker AH-40C	220vac	24vdc	8
	Air circuit breaker AH-50C	220vac	24vdc	8
	Air circuit breaker AH-40C	220vac	24vdc	6
	Air circuit breaker AH-30C	220vac	220vdc	6
	Air circuit breaker AH-30C	220vac	24vdc	8
	Air circuit breaker AH-30C	220vac	24vdc	6
	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 maintenance of circuit breakers and checkers.			

### Vehicles

saddamMedical city

<b>02-06-00529</b>	<b>Passengers intercity staff bus .40 to 50 passengers</b> ,automatic doors ,diesel engine,air conditioned,apholestered chairs stainless steel fram,sliding glass windows with curtains,rubber mat floor, tinted windshield , stereo radio-recorder,ceiling hanging grips,	20
<b>02-06-00530</b>	Passengers staff mini bus 20-30 persons ,and as above	20
<b>02-06-00531</b>	<b>Fire fighting vehicle</b> .turntable telescopic up to 30 meters ladder with rescue cage, with adjustable fire hose and jet,fully equiped for fire fighting ,rescue and maintenance tasks,non skid platforms,flood and spot light projectors,	8
<b>02-06-00532</b>	<b>Fire fighting water tank vehicle</b> of 13000 lt ,with pump 1000lt/min at 10bars,diesel engine with accessories	4
<b>02-06-00533</b>	<b>Mini excavator of 1 meter</b> width 30 liters bucket,less than 25hp engine,hydraulic system, closed glass canopy,heavy rubber tracking chain,with concrete digging attachment,full accessories.	4
	5-year spare parts,inspection befor e contracting ,training on repair and maintenance in the manufacturers workshops.for 2 engineers on above items	2 Lot

### EQUIPMENT: SUB – STATION

SADDAM MEDICAL CITY

02-06-00534	STEPDOWN TRANSFORMER DELTA/ STAR 11000/400VOLT, 3500KVA, 50HZ,DRY TYPE,TOTALLY ENCLOSED, INDOOR MOUNTED AND SHALL BE BUILT IN ACORDANCE WITH THE LATEST SPECIFICATION OF BS AND\OR IEC	6
	115 C RISE ABOVE 50 C AMBIANT , CAPABLE OF CARRYING 15% CONTINUOS OVERLOAD WITHOUT EXCEEDING A 150 C RISE	
02-06-00535	<b>A COMPLETE HIGH VOLTAGE SUB-STATION</b> CAPABLE OF FEEDING 3 TRANSFORMERS ; ONE SWITCHGEAR FOR EACH AND A MAIN INCOMMING FEEDER	2
	THE H. V SWITCHGEAR SHALL BE HORIZONTAL DRAW OUT C. B ,INDOOR CONSTRUCTION ,WEATHER PROOF , VOLTAGE RATTING 15 KV, SYSTEM VOLTAGE 11 KV, 3 PHASE, 3 WIRE, 50 Hz.	
	DESIGNED MANUFACTURED AND TESTED ACCORDING TO THE BS AND\OR IEC CODE ,WITH ALL PROTECTION AND METERING EQUIPMENTS , THE BREAKER SHAL BE OPERATED BY A MOTOR CHARGED SPRING THE STORED ENERGY MECHANISM, 110 OR 24 VDC AND IN AN EMERGENCY BY A MANUAL HANDLE, THE SUB-STATION SHALL CONSISTS OF A DC CHARGER 110V OR 24V	
02-06-00536	<b>MEDIUM VOLTAGE SWITCH BORD</b> MAIN AND TIE CB, SHALL CONSIST OF 3-MAIN INCOMMING FEEDERS FROM THE TRANSFORMERS AND 9- OUTGOING FEEDERS TO FEED 9-CHILLERS OF 1508 AMP EACH, AND 2 TIE BREAKER AND SHALL BE INTERLOCKED WITH THE MAIN BREAKERS SO BOTH BREAKERS CAN NOT BE CLOSED SIMULTENEOUSLY.	2
	THE MAIN AND TIE CB'S SHALL BE THE FUSED DRAWOUT TYPE, MECHANICALY AND ELECTRICALY OPERATED AIR CB'S , WITH ALL PROTECTION AND METERING EQUIPMENTS , CALIBRATIONS AND ADJUSTMENTS SHALL BE IN ACCORDANCE WITH I. E. C STANDERDS	

02-06-00537	<b>BUSWAYS 5000 AMP. RATING</b>	160meter s
	PROVIDE TOTALLY INCLOSED WEATHER PROOF LOW IMPEDANCE BUS WAYS BETWEEN TRANSFORMERS SECONDARIES AND M. V MAINSWITCH BORDS , COMPLETE WITH INCLOSURE , ELBOWS , FITTINGS SUPPORTS , HANGING DEVICES ,ACCESSORIES, CABLE TAP BOXES.	
	BUSWAY SHALL BE 220/380 V , 3 PHASE ,4 WIRE , 50 Hz.	
	BUSBARS SHALL BE COPPER FABRICATED FROM 98% CONDUCTIVITY COPPER ,SILVER PLATED OVER THE INTIRE LENGTH	
02-06-00538	<b>BUSWAYS, 1600 AMP. RATING.</b>	1500 meters
	AS ABOVE BUT BETWEEN MV MAIN SWITCH BORD NAD TO 9- CHILLERS EACH 1500 AMP. FLC	
	5-YEAR RECOMMENDED SPARE PARTS,SUPERVISION ON INSTALLATION,COMMISSIONING,TRAINING ,FOR ALL ABOVE	2 LOT

02-06-00539	<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	12
	12LN17	265	52. 5	335	1440	20
	12LN17	224	36	372	1440	8
	ERP80-400	150	140	30	2880	4
	12LA2	150	25. 5	415	1440	4
	12LA2	90	30	300	1440	6
	10LA3	90	30	170	1440	4
	10LA3	90	43. 3	142. 3	1440	4
	65WP315	75	132. 5	22. 5	2880	4
	6L3	55	32	101. 29	1440	4
	6L3	55	52. 5	52. 24	1440	4
	65WP315	55	103	22. 5	2880	6
	ERP60-200	45	190	7. 57	2880	12
	50wp315	37	103	10	2880	6
	65WP250	37	68. 6	22. 5	2880	6
	6L3	37	34	55. 5	1440	6
	6L3	30	27	98. 5	1440	4
	100WP200	30	37	43. 1	2880	4
	80WP160	15	24	30	2880	4
	1 ½ TM2	15	132. 5	2. 5	2880	2
	40WP200	11	45	7. 57	2880	4
	40WP200	11	55	4. 36	2880	4
	1 ¼ TM43	7. 5	68. 6	2. 25	2880	2
	4L1	5. 5	9	30. 61	1440	4
	100WP200	4	11	17. 42	1440	4
	1 ¼ TM22	4	83. 3	1	2880	6
	3L1	3	8	15. 86	1440	4
	3dv2	3	-	-	2880	4
	32wp160	1. 5	14. 6	2. 25	2880	4

<b>02-06-00540</b>	<b>equipment : air compressor</b>			<b>24</b>
	trolley units attas capco			
	tank capacity 20 litter			
	model of comp. : LXF 06			
	motor : 1 ph, 50 hz, 220 v , 0.55 kw			

<b>02-06-00541</b>	<b>equipment : electric distribution</b>			
	C.B type SACE,50HZ, 3PH, 660V,1600A			8
	C.B type SACE,50HZ, 3PH, 660V,1250A			12
	C.B type SACE,50HZ, 3PH, 660V,630A Awith motor			40
	C.B type BBC 600,50HZ,1PH,(250-380)V,32A			500
	C.B type BBC 600,50HZ,1PH,(250-380)V,10A			500
	LIP-Air C.B 600V,1600A			8
	MCCB,3P,(380-400)V,H,1600A			32
	MCCB,3P,(380-400)V,H,1250A			10
	MCCB,3P,(380-400)V,H,1000A			32
	MCCB,3P,(380-400)V,H,800A			6
	MCCB,3P,(380-400)V,H,600A			24
	MCCB,3P,(380-400)V,H,500A			4
	MCCB,3P,(380-400)V,H,400A			40
	MCCB,3P,(380-400)V,H,350A			8

MCCB,3P,(380-400)V,H,250A				218
MCCB,3P,(380-400)V,H,225A				62
MCCB,3P,(380-400)V,H,200A				112
MCCB,3P,(380-400)V,H,175A				62
MCCB,3P,(380-400)V,H,150A				50
MCCB,3P,(380-400)V,H,125A				50
MCCB,3P,(380-400)V,H,100A				184
MCCB,3P,(380-400)V,H,80A				68
MCCB,3P,(380-400)V,H,75A				50
MCCB,3P,(380-400)V,H,63A				122
MCCB,3P,(380-400)V,H,50A				100
MCCB,3P,(380-400)V,H,30A				202
MCCB,3P,(380-400)V,H,20A				112
MCCB,3P,(380-400)V,H,15A				100
ELB-GR-50-2P 220V 30A				50
ELB-GR-50-2P 220V 20A				50
ELB-GR-50-2P 220V 15A				50
ELB-GR-50-2P 220V 150A				50
MCCB 1P 220V 15A				400
MCCB 4P (220-380)V 400A				50
MCCB 4P (220-380)V 225A				50
MCCB 4P (220-380)V 100A				50
MCCB 4P (220-380)V 50A				50
MCCB with aux.contact and alarm contact 380V 3P 5A				50
as above 30A				50
as above 15A				50
as above bot 220V 2P 150A				50
free fuse C.B 380V wall mounted 1000A				8
complete star-Delta control for motor 7.5HP with air compressor 5HP				8
complete star-Delta motor control 100KW				4
complete star-Delta motor control 50KW				4
complete star-Delta motor control 40KW				4
complete star-Delta motor control 20KW				6
complete direct on line single stage motor starting				2
MCCB single phase-50A				2
MCCB single phase-30A				4
MCCB single phase-10A				2
H-VAC-vacum C.B HT 12KV 600A				4
main switch 220V 30A				40
main switch 380V 60A				40
main switch 220V 100A				40
main switch 220V 150A				40

02-06-00542	flat work ironer				200
02-06-00543	children clothes press				200
02-06-00544	boat for river survay ( 8 horse , using benzene as fule capacity 7 persons				32

02-06-00545	PUMPS		KW	Q m^3/hr	H	
						m
	type					
	condenser pump		11	102	4	10
	chiller pump		14	81.7	40	10
	sanitary pump for 30m head		7	100	30	10

<b>02-06-00546</b>	<b>Boiler</b>				2
	sapcabloc press 3G				
	N-307447 / type 418m / 220-380V / 50HZ / 2-3KVA / 23/45 - 100KG/h/ 273 / 534 - 1186KW combust - fuel				
	max visc 20c / 6mm^3/s (1.5E) / 1979				
<b>02-06-00547</b>	<b>inter com system withall accissorice</b>				2
<b>02-06-00548</b>	<b>Wall clock with seconds indicator</b>				2
<b>02-06-00549</b>	<b>taelephone-intercom</b>				2
<b>02-06-00550</b>	<b>Air compressor</b>				44
	duplex with atank complete press. 7Kg/Cm^2				
	No.of cylinder 2				
	capacity 400 L/M 3.7KW x 3Q x 380V				
	air tank capacity 520 L				
	one work other stand by				
	installation for the system				
	spare part for years				
	trining for the stat				
	cotalag yor system				

<b>02-06-00551</b>	<b>Medical oxygen units</b>				6
	1-compressor				
	2-air seperation unit + msun				
	3-stiriling cryogenerator				
	4-500 liter storage vessel with level control				
	5-super charger with cylnder 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.				

<b>02-06-00552</b>	<b>condensor water pump</b>				6
	400V 1500r.P.m 3Q 6"X6"				

<b>02-06-00553</b>	<b>Mini bus</b>				200
	passanger shaft mini bus 10-20 person				
	gasolen engine air conditioning and heating				
	power steern manual gear with floor shift				
	two doors on the front,one in each side with middle door in the right sid				
	all around window ,each side window is double and slading				
	two view mirror in eacg side and one internal				
	radio and cassete recorder				
	all execary should be heavey duty				
	spare part for tow years				

<b>02-06-00554</b>	<b>Motor cycle</b>				500
	Petrol Engine				
	Suitable size				
	Capacity of carrying:- Two persons.				
	Equipped with full accessories				
	Warranty & Maintenance for 2 years				
	Lest of spare part for 2 years				
	Training for 3 technicians				

<b>02-06-00555</b>	<b>Motor cycle with side vehicle</b>			500
	Petrol Engine			
	Suitable size			
	Capacity of carrying:- Three persons.			
	Equipped with full accessories			
	Warranty & Maintenance for 2 years			
	Lest of spare part for 2 years			
	Training for 3 technicians			

<b>02-06-00556</b>	<b>garbage collection vehicle</b>			60
	1) basic vehicle			
	1- type : forward control			
	2- drive 4X2			
	3- engine : diesel engine water cooled			
	4- electrical equipment : 24 v 12vX2batteries 120 Ah at 20 hr			
	5- transmission : manual power assist			
	6- clutch : hydraulic control , singl dry plate with air pressure assistance			
	7- tires :single front dual rear			
	8- steering :left hand steering ball mute type with integral type hydraulic power booster telescopic and tilt steering column with steering lock			
	9- front suspensions : laminated leaf springs with shock absorbers			
	10- rear suspensions : laminated leaf springs			
	11- front :parallel tapered channel section type with crossmember and reinforcements			
	12- fuel tank :250 liters			
	13- drivers cab : all steel titl cab equipped with A/C			
	14- paint : finish coat crystal white			
	15- measurement : metric (km/h)			
	16- brakes : service :air over hydraulic with dvel circuit			
	parking : internal expanding type on propeller shift			
	auxiliary : exhaust brake			
	17- cooling system :radiator : corrugated fin type with pressure cap and surge tank			
	fan: multi- blades steel			
	18- Caution Plate : Arabic			
	2) garbage container			
	1- container volume : (12-16) m3			
	2- container structure :suitable steel or metal			
	3- loading mechanism :- hydraulically controlled mechanical press type			
	4- with full accessories for all vehicle & container			
	*training for three technicians			
	* warranty & maintenance for tow years			
	*lest of spare part for 2 years			

<b>02-06-00557</b>	<b>Eleveters</b>					
	1-technical opecifications					
	a-full electronic control sistem for operation and level selection conteining all necessary equipments for protection and supervision					
	b-type of control 3V -3F,elevator continoys speed : (0.5-2.5) M/sec-adjustable according to capacity and number of levels					
	c-door opnning : automatic and swing according to the site biulding					
	d-emergency power supply (ups) providing necessary electric power at least for stopping the carriege at nearest level as well as the control system contain back up batteries for saving stored data for at least 1000 hours					
	e-ambient tempreature 0-50C and 90% hum					
	f-the system contain data terminal (pc-bored)for operation maintenance, diagnosis ,reed programs and reprogramming,with probability to remote maintenanc					
	g-the system contain (4)four stopping stages at final up and final down					
	h-the carrieg modle from stainless-steel with smooth surface,painted with standard coulor with non -slipery platform,containing emergency lighting and ventilation,with communication limk between the system and to the telephone exchange,also contain at T.system					
	2-installation equipments on sites with all accesseries.					
	3-one year warranty and two years maintenance after period of warranty .					
	4-fraining on factoru for 6-technical staff x 3weeks and local traing during installuation					
	5-spare parts for 5 years					
	6-quantities as per schedule.					
	<b>type</b>	<b>180 kg</b>	<b>500 kg</b>	<b>750 kg</b>	<b>1000 kg</b>	<b>1200 kg</b>
	passenger	—	70	70	60	—
	bed lift	—	—	—	—	60
	service	4	—	36	—	—

<b>02-06-00558</b>	<b>Medical oxygen plant</b>				200
	1-compressor				
	2-air seperation unit+ msun				
	3-stiriling cryogenerator				
	4-500 liter storage vessel with level control				
	5-super charger with clynder 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 (150 liter lequid to 2000)/hour.				
	15- warranty one year after operation				
	16- maintanence (2)tow years after warrenty				
	17- 5 years spare parts				
	18- training of engineering staff in the factory				

<b>02-06-00559</b>	<b>POWER SUPPLY</b>				
	<b>U.P.S</b>				
	2 KVA				100
	3 KVA				60
	5 KVA				100
	10 KVA				40
	<b>battery charger</b>				
	24 VDC/ UP TO 100 AMP				300
	12 VDC/20 A				200
	110 VDC/60A				40

<b>02-06-00560</b>	<b>cooling for operating room</b>				
	Air conditining equipment for operating theaters as following				
	Cooling capacity				
	1- air conditining system is working with 100% fresh air				
	2- required room conditions				
	room temperature 20-25 Co				
	relative humidity 45-60 % r.h				
	3- ambient temp 60 Co				
	4- cooling and heating				
	5- heating electric heater direct without hot water boilers				
	air conditioning plant mainly consity at				
	1- air cooled condensor				
	2- cold water pumps				
	3-exaust air handing unit				
	4-of supply air ceiling system with high efficiency filter high type (s) with:				
	a- filter ceiling air outlet with high efficiency filter type (s)				
	b- control and regulation system				
	c- steam humidifier filter class (b) ,c sound absorber for supply and exhaust air duct system with nessary insulation air tight damper tight grill weather proof louvers cold water lines with insulation and electric cable and any other part for the system				
	6-spare parts for five years				
	7- training for 3 engineer in the manufacturer factory				
	<b>capacity</b>				<b>qty</b>
	2 ton				24
	5 ton				86
	10 ton				18
	15 ton				20
	20 ton				16

<b>02-06-00561</b>	<b>digital ISDN network</b>				2
	* the system consist of following no. central station (exchange) 500 port no. 14 branch station (exchange ) extandable to 30 each branch 120 ports				
	* the communication way between the control station and the branches either VIA PTT or by micro wave form				
	* the system able to be connected with fier alarm system and security system (prefer to be including with the offer ) and air conditioning system or any other system in the branch sites				
	* 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 installation				

<b>02-06-00562</b>	<b>specification of fire fighting system (automatic - sprinkler system)</b>				
	design manfacture diliver and installation of an automatic roop sprinklers system in the warehouse in different sites including the following equipment persite				
	site specification :-				
	1- effective warehouse area 8000 m2 , height 10m				
	2- effective warehouse area 12500m2 , height 6m				
	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 ander ground main to connect to the water storge tank				
	c- pump house complete with pipe work including valves and fittings				
	d- three automatic fire pumps two electrical and one diesel driven each rated at 3600 dm3/min at 8.5 bars				
	e- one culindrical galvanised steel water storge tank with an effective capacity				
	f- an electrically operated and pully automatic jockey pump				
	g- complete electrical control boards				
	h- eight pir exitination and fir caben with hose				
	i- spare parts for 3 years				
	j- warrenty one year ( label + material) and two year mantinance				
	k- training of factory of equipment for 3 technicians				

<b>02-06-00563</b>	<b>transformer</b>				
	1000 kva , 11 kv/380 v , 2500a, delta /star , 50 hz , oil cooling				40
	630 kva , 11 kv /400v-240v, delta/star, 50 hz ,oil cooling				40
	360 kva , 11kv / 400-240v, delta/star ,50hz , oil cooling				40

	pumps								
	pump use	head m	q l/min	size	kw	volt	type	no	
02-06-00564	fire pump /fp1	90	750	100	22	380	centrifugal pump	48	
02-06-00565	lift pump /lp1	50	1400	125	22	380	centrifugal singal suction	48	
02-06-00566	lift pump /lp2	25	750	50	5.5	380	singal suction volut pump	48	
02-06-00567	chilled water pump p-2	20	6150	20x150	30	380	centrifugal pump	48	
02-06-00568	chiller water /p-3	38	2320	125x100	30	380	centrifugal pump	48	
02-06-00569	chiller water /p-4	38	4980	200x150	45	380	centrifugal pump	48	
02-06-00570	chiller water /p-5	47	4520	150x125	55	380	centrifugal pump	48	
02-06-00571	condensor water pump p-1	20	7580	200x150	37	380	centrifugal pump	48	
02-06-00572	softener pump p-11	25	160	40	2.2	380	in line pump	48	
02-06-00573	lift pump p-12	55	100	40	3.7	380	singal suction	48	
02-06-00574	make up water pump p-13	15	180	40 p2	1.5	380	centrifugal pump	48	
02-06-00575	condensor water pump p-14	15	70	65x40	1.5	380	centrifugal pump	48	
02-06-00576	circulation hot water pump p-6	10	1410	100x50	3.7	380	centrifugal pump	48	
02-06-00577	circulation hot water pump p-7	37	480	65x4	5.5	380	multy stage centrifugal	92	
02-06-00578	circulation hot water pump p8	36	1250	125x2	15	380	multy stage centrifugal	92	
02-06-00579	circulation hot water pump p-9	45	1100	100x3	15	380	multy stage centrifugal	92	
	1-give complete catalog for the pump								
	2- 5 years spare part								
	3-training for the staff								
	4-grante for one year operation								
	5-installation for one site.								

<b>02-06-00580</b>	<b>softener pump</b>						
	<b>kw</b>	<b>r.p.m</b>	<b>suction mm</b>	<b>discharge mm</b>	<b>capacity l/s</b>	<b>head m</b>	<b>QTY</b>
	1	1500	38	38	3	16	52
	3	3000	51	51	106	10	116
	5	1500	51	51	21	32	8

<b>02-06-00581</b>	<b>water pump for tower</b>						
	<b>kw</b>	<b>r.p.m</b>	<b>suction mm</b>	<b>discharge mm</b>	<b>capacity l/s</b>	<b>head m</b>	<b>QTY</b>
	3	1500	100	100	11	26	92
	7.5	1800	150	150	41	35	104
	15	1500	100	100	33	25	12
	30	1500	15	15	80	30	56

<b>02-06-00582</b>	<b>boiler feeding pump</b>						
	<b>kw</b>	<b>r.p.m</b>	<b>suction mm</b>	<b>discharge mm</b>	<b>capacity l/s</b>	<b>head m</b>	<b>QTY</b>
	5.5	1500	38	38	30	90	64
	3	3000	38	38	30	150	36
	7.5	1500	76	76	14	50	40
	22	1500	200	150	25	95	12
<b>02-06-00583</b>	<b>chemical dosing pump</b>						
	<b>kw</b>	<b>r.p.m</b>	<b>suction mm</b>	<b>discharge mm</b>	<b>capacity l/s</b>	<b>head m</b>	<b>QTY</b>
	0.3	—	12	12	5.5	20	24
	0.5	—	25	25	3	80	44
<b>02-06-00584</b>	<b>horizontal pump</b>						
	<b>kw</b>	<b>r.p.m</b>	<b>suction mm</b>	<b>discharge mm</b>	<b>capacity l/s</b>	<b>head m</b>	<b>QTY</b>
	2.2	1500	38	38	7	90	96
	5.5	1500	51	51	15	75	12

<b>02-06-00585</b>	<b>vertical pump</b>						
	<b>kw</b>	<b>r.p.m</b>	<b>suction mm</b>	<b>discharge mm</b>	<b>capacity l/s</b>	<b>head m</b>	<b>QTY</b>
	4	1500	150	150	118	10	16
	18.5	1500	51	51	51	85	24
	2.2	1500	38	38	7	90	8
<b>02-06-00586</b>	<b>circulation pump</b>						
	<b>kw</b>	<b>r.p.m</b>	<b>suction mm</b>	<b>discharge mm</b>	<b>capacity l/s</b>	<b>head m</b>	<b>QTY</b>
	1.5	1500	18	18	4	20	8
	1.8	1500	76	63	70	8	32
	4	1500	76	51	26	40	84

<b>02-06-00587</b>	<b>submersible pump</b>						
	<b>kw</b>	<b>r.p.m</b>	<b>suction mm</b>	<b>discharge mm</b>	<b>capacity l/s</b>	<b>head m</b>	<b>QTY</b>
	1	1500	51	51	4	15	32
	2.2	1500	51	51	8	10	140
	3.7	1500	100	100	15	25	32
	7.5	1500	100	100	30	20	116

<b>02-06-00588</b>	<b>fire pump</b>						
	<b>kw</b>	<b>r.p.m</b>	<b>suction mm</b>	<b>discharge mm</b>	<b>capacity l/s</b>	<b>head m</b>	<b>QTY</b>
	0.37	3000	38	38	2	42	16
	7.5	1500	51	51	20	30	120
	37	1500	100	76	51	66	20
<b>02-06-00589</b>	<b>water pump for heating</b>						
	<b>kw</b>	<b>r.p.m</b>	<b>suction mm</b>	<b>discharge mm</b>	<b>capacity l/s</b>	<b>head m</b>	<b>QTY</b>
	7.5	1500	125	76	102	15	16
	5.5	1500	76	76	30	50	76
	15	1500	100	100	36	45	48
	3	1500	63	63	60	20	12

	<b>ware house requierment</b>			
<b>02-06-00590</b>	<b>folding end trolleys capacity 150 kg</b>			200
<b>02-06-00591</b>	<b>manual and electric electric stackers capacity 250 kg</b>			40
<b>02-06-00592</b>	<b>folding work shop caranes capacity 1000 kg at 1 m</b>			40
<b>02-06-00593</b>	<b>cylinder trolley capacity 200 kg</b>			100
<b>02-06-00594</b>	<b>sterilizing water for theter room ultraviolet water purifiers</b>			200
	1- stainless steel construction			
	2- quick lamp charge			
	3- fused quartz steeve			
	4- indicator light			
	5- optional equipment			
	the life of lamps must be very long			

<b>02-06-00595</b>	<b>VEHICLE PICK-UP DOUBLE CABIN</b>	400
	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 DUTY	
	5. AIR-CONDITIONING FOR DRIVER CABIN (HEATING AND COOLING)	
	6. SUSPENSION: HEAVY DUTY	
	7. TIRES WITH TUBES: SUITABLE FOR DIFFERENT ROADS (HIGH QUALITY)	
	8. CABIN: SINGLE CABIN WITH DOOR IN EACH SIDE.	
	9. MIRRORS: TO BE EQUIPPED WITH TWO SIDES MIRRORS AND ONE INSIDE	
	10. ACCESSARIES: TO BE EQUIPPED WITH JACK + WHEEL WRENCH + HAZARD TRIANGLE + TOOL KITS + FAST MOVING PARTS . WITH THE VEHICLE AND ANY EQUIPMENT'S CONCERNING THE JOB OF THIS CAR.	
	11. LOADING CAPACITY: FROM (1-2)TONS	
	12. ALL MATERIALS INSERTED IN THE CONSTRUCTION OF THIS CAR IT WILL BE OF HIGH QUALITY (ROOD, SHACKLE, GOODS COVER)	
	13. MAINTEMANCE FOR ALL VEHICLES FOR TWO YEARS ON ACCOUNT OF THE COMPANY WITH TRAINS FOR ENGINEERS AND TECHNICIANS (5PERISON) FOR ONE MONTH	

<b>02-06-00596</b>	<b>digital camera</b>	4
<b>02-06-00597</b>	<b>video projector</b>	4
<b>02-06-00598</b>	<b>CD-player</b>	4
<b>02-06-00599</b>	<b>air handlig unit</b>	2
	supply 162 m3/h	
	cooling and heating	
	inlet water temp. : 7-w(in) 5-8C	
	outlet water temp.: w(out) 72-2C	
	capacity : 7-25738 colh	
	2-72100 m3/h	

<b>02-06-00600</b>	air handlinunit				
	240x230x230 cm				12
	capacity 14800 ft3/min				
	inlet cooling 10 c				
	out let colling 14c				
	inlet heating 70c				
	outlet heating 60c				
	power Q 1359 pm H 60ft				
<b>02-06-00601</b>	225x196x112				2
	capacity 14800 ft3/min				
	inlet cooling 10 c				
	out let colling 14c				
	inlet heating 70c				
	outlet heating 60c				
	power Q 1359 pm H 60ft				
<b>02-06-00602</b>	290x280x230				2
	capacity 14800 ft3/min				
	inlet cooling 10 c				
	out let colling 14c				
	inlet heating 70c				
	outlet heating 60c				
	power Q 1359 pm H 60ft				

	air handlig unit												
	supply power H.P	capacity keal/h cooling	supply m3/h	site supply	fan bearing		X21	belt		capacity keal/h heating	power H.P return	power H.P site return	qty
	380/3/50				supply	return			supply/ return				2
<b>02-06-00603</b>	10	137980	11700	60	rase 60 ase 60 gle krra	rabr 13 30/72	2 2	1500x13 1800x13	3 2	51597	10	30	2
<b>02-06-00604</b>	4	72245	5700	25	rabr-b 25/62	—	2 2	1300x13	2	47318	—	—	2
<b>02-06-00605</b>	20	173900	1800	60	rase 60	rabr b 35/80	2 2	2240x17 1800x13	4 2	52479	10	35	2
<b>02-06-00606</b>	25	296142	22500	70	rase 70	rae-40- nppb	2 2	2430x17 1500x13	2 2	85995	10	40	2
<b>02-06-00607</b>	7.5	143543	11900	45	rase 45	pase 35	2 2	1500x13 1320x13	2 2	57330	10	30	2
<b>02-06-00608</b>	7.5	157515	13000	45	rase 45	rabr b 30/72	2 2	1500x13 1320x13	2 2	47593	10	30	2
<b>02-06-00609</b>	10	67780	14500	60	rase 60 ase 60 gle krra	pase 45	2 2	1500x13 1412x13	3 2	17000	4	45	2
<b>02-06-00610</b>	5.5	46343	8600	30	rabr-b 30/72	rabr-b 30/72	2 2	1320x13 1320x13	2 2	48040	3	30	2
<b>02-06-00611</b>	5.5	51595	8800	30	rabr-b 30/72	rabr-b 30/72	2 2	1320x13 1262x13	2 2	3500	3	30	2
<b>02-06-00612</b>	5.5	41254	7000	30	rabr-b 30/72	rabr-b 25/62	2 2	1262x13 1262x13	2 2	20700	3	25	2
<b>02-06-00613</b>	7.5	73430	11500	45	pase 45	rabr-b 30/72	2 2	1562x13 1250x13	2 2	44300	4	30	2
<b>02-06-00614</b>	5.5	59454	9400	30	rabr-b 30/72	rabr-b 30/72	2 2	1250x13 1000x13	2 2	29200	4	30	2
<b>02-06-00615</b>	7.5	59525	9400	30	rabr-b 30/72	rabr-b 25/62	2 2	1437x13 1202x13	2 2	55000	2	25	2
<b>02-06-00616</b>	4	31950	5700	25	rabr-b 25/62	rabr-b 25/62	2 2	1412x13 1180x13	2 1	7500	1.5	25	2
<b>02-06-00617</b>	7.5	149604	12000	45	pase-45	—	2	1857x13	2	45200	—	—	2
<b>02-06-00618</b>	7.5	80396	13000	45	pase-45	pase- 45	2 2	1582x13 1412x13	2 2	69560	5.5	45	2
<b>02-06-00619</b>	10	86580	14000	60	rase 60 ase 60 gle krra	pase- 45	1 2	1582x13 1337x13	3 2	74500	4	45	2
<b>02-06-00620</b>	10	91436	15000	60	rase 60 ase 60 gle krra	pase- 45	1 2	1632x13 1400x13	3 2	78498	4	45	2
<b>02-06-00621</b>	7.5	86213	13700	45	pase-45	pase- 45	2 2	1582x13 1337x13	2 2	71292	4	45	2
<b>02-06-00622</b>	10	69995	13000	60	rase 60 ase 60 gle krra	pase- 45	1 2	1582x13 1400x13	3 2	38000	4	45	2
<b>02-06-00623</b>	7.5	76386	14000	45	pase-45	pase- 45	2 2	1582x13	2 2	46500	4	45	2

<b>02-06-00624</b>	7.5	65518	11000	45	pase-45	pase-45	2 2	1600x13	2 2	35000	3	45	2
<b>02-06-00625</b>	7.5	66295	11000	45	pase-45	rabr-b 30/72	2 2	1600x13	2 2	32000	3	30	2
<b>02-06-00626</b>	17/3.4	28000	14000 28000	55	rase 53	—	2	2082x13	3	123480	—	—	2
<b>02-06-00627</b>	17/3.4	28000	14000 28000	55	rase 55	—	— 2	2082x13	3	230496	—	—	2
<b>02-06-00628</b>	17/3.4	28000	14000 28000	55	rase 55	—	— 2	2082x13	3	238728	—	—	2
<b>02-06-00629</b>	3	95534	8600	30	rabr-b 30/72	—	— 2	1362x13	2	104170	—	—	2
<b>02-06-00630</b>	2	34000	7500	30	pase-30	—	— 2	1200x13	2	—	—	—	2
<b>02-06-00631</b>	1.5	16400	43000	20	rcra 20/46	—	— 2	1080x13	2	—	—	—	2

## notes:

- 1- each one need 4 fan bearing return
- 2- each one need 4 fan bearing supply
- 3- each one need one cooling coil

	air handlig unit					
	CFM					QTY
02-06-00632	3150 CFM					2
02-06-00633	8160 CFM					2
02-06-00634	9960 CFM					2
02-06-00635	7990 CFM					2
02-06-00636	8560 CFM					2
02-06-00637	3080 CFM					2
02-06-00638	3800 CFM					2
02-06-00639	7250 CFM					2
02-06-00640	4000 CFM					2
02-06-00641	3520 CFM					2
02-06-00642	16190 CFM					2
02-06-00643	1040 CFM					2
02-06-00644	10000CFM					2
02-06-00645	6900 CFM					2
02-06-00646	4400 CFM					2
02-06-00647	31760 CFM					2
02-06-00648	31000 CFM					2
02-06-00649	22455 CFM					2
02-06-00650	12000 CFM					2
02-06-00651	25000 CFM					2



	air handling unit		fan motor hp	air volume m3/hr	model		mater. No.	qty
	dimention m	fan speed r.p.m						
02-06-00653	5x2.75x2.75	1150	20	26871	ZH21 8		8184	2
02-06-00654	4x2x2	1400	20	22881	ZH21 5		8184	2
02-06-00655	7.5x2.5x1.75	1230	15	17119	ZH21 5		81.8.4	2
02-06-00656	7.5x2.5x1.5	1350	15	23848	ZH21 5		81.8.4	2
02-06-00657	5.75x2x3	1350	20	23220	ZH21 5		8184	2
02-06-00658	3x1.75x2.25	2250	tow-9	10678	ZH11 5		8184	2
02-06-00659	4.75x3.5x2.75	1200	20	25424	ZH21 8		8184	2
02-06-00660	4.75x3.5x2.75	1380	10	13559	ZH1211		8184	2
02-06-00661	8.5x1.75x2.25	1280	15	15424	ZH21 5		81.8.4	2
02-06-00662	6x1.5x1	2900	1-5.5	5085	ZH109HG		81.8.4	2
02-06-00663	4.75x2x1.5	1320	3.3-13	17458	MZH215		8184	2
02-06-00664	6.5x1x1.5	3300	.7-3	3153	ZH108HG		81.8.4	2
02-06-00665	6.5x1x1.5	3300	.7-3	3153	ZH108HG		81.8.4	2
02-06-00666	4.75x3.5x2.75	1050	20	29153	ZH22 2		8184	2
02-06-00667	5x1.5x2	1400	10	14537	ZH21 5		81.8.4	2
02-06-00668	3x1.75x2.25	2000	7.5	8485	ZH11 5		8184	2

**NOTES :**

- 1- type of air handling units cooling and heating for all types
- 2- no. of lines are invertor
- 3- inlet water temp. (5-8)C
- 4- outlet water temp. (12-16)C

## MEURO - SURGERY CENTER

### LUNDRY EQUIPMENT

02-06-00669	side loading washer 50 kg					60
02-06-00670	centrifugal extractor 30 kg/load					40
02-06-00671	drying tembler 25 kg/load					40
02-06-00672	canvas truck					120
02-06-00673	strach cooker					20
02-06-00674	flate work ironer 50 kg/hr					40
02-06-00675	hand ironer board					80
02-06-00676	swing machine					40
02-06-00677	ottlity press machine					80
02-06-00678	electrical steam boiler 20 BHP capac. At a pressure of 11kg/cm2					20
02-06-00679	air compressor with cylinder 0.07 m3/min capac. At a pressure of 6 kg/cm2 cylinder rolame 120 l					20
02-06-00680	disinfected washing machine					80
	ELECTRICAL EQUIPMENT					
02-06-00681	high tension panal with short circuit current (25 ka)					8
02-06-00682	high tension cable , XLPE type with (750) m length					6x150 mm2
02-06-00683	isolated transformer					12
	with their control panales					
	capacity (25 kva)					6
	capacity (16 kva)					6
	KITCHEN EQUIPMENT					
02-06-00684	scale 1 kg					20
02-06-00685	scale 25kg					20
02-06-00686	scale 5 kg					20
02-06-00687	weighing machine 100 kg					20
02-06-00688	potata peeler 5kg /load					40
02-06-00689	vegetable mill 300 kg /hr					40
02-06-00690	chopping black 50x50x65 cm					40
02-06-00691	meat mincer 2 kg /hr					40
02-06-00692	backing oven loven 2 deck each 80x90x120cm					40
02-06-00693	mixing machine 10 lit					40
02-06-00694	refrigerator 420 lit					80
02-06-00695	electric range (general purpose) 6 plate - 1oven					40

02-06-00696	electric oven (each one of 80x90x170 cm)					40
02-06-00697	boiling pan 35 lit					60
02-06-00698	boiling pan 50 lit					60
02-06-00699	electric fry range					40
02-06-00700	grill					40
02-06-00701	hot cub board					20
02-06-00702	dish washer 640 pieces/hr					60
02-06-00703	heated trolley					240

02-06-00704	general purpose trolley							240
02-06-00705	cold cup board							40
02-06-00706	electrical water cooler 40 lit/hr							40
02-06-00707	hood							20
02-06-00708	bin on castors 6 kg							40
02-06-00709	bin on castors 12.5 kg							40
02-06-00710	bin on castors 25 kg							40
02-06-00711	bin on castors 50 kg							40
	VIDEO BEAMER							
02-06-00712	large avitoriom high lumihosity for use in light remote controlled ,complete system with link to speakers computer and monitor to accept CD rom as well							20
02-06-00713	slide projector							80
02-06-00714	over head projector							120

02-06-00715	cooling tower schedule											
	no req.	type	heat reject ion capa city kcal/h	ambi nt W.B temp. C	water temp.		water qty. L/min	fan	electrical characteristics			
					In	Out			motor kw	V	PH	HZ
	4	induse d draft	9E+05	26	35	30	2611	15	##	3	50	

02-06-00716 air washer schedual

q	type	location	summer			winter (heating coil)						blower					circulation water pump kw	electrical characteristic						
			amb. Temp wb c	press. Nozzle m.w.g	water circula tion lit/min	grand total heat kcal/h r	air temp c	water temp.c	water qty lit/min	no of fins /25mm	no of rows	blower type	total air qty m/hr	face velocity m3/sec	total static pressure mm w g	motor kw		volt	phas	hertz				
	double bank spray	block c on the roof	26	25	750	4E+05	1.5	1	33.5	5.5	82	71	650	8	2	centrifugal aerofoil	1E+05	2.5	22	18	7.5	380	3	50

	extractor fan						
	RE NO.	location	air capaci ty m3/hr	no. req	pressure drop mm.w.h	input kw	electric v/ph/Hz

<b>02-06-00717</b>	RE-16	A"	1460	2	4	0.12	220/1/50
<b>02-06-00718</b>	RE-17	B	1300	2	3	0.07	220/1/50
<b>02-06-00719</b>	RE-18	B	12000	2	10	1	380/3/50
<b>02-06-00720</b>	RE-19	B	3400	2	7	0.3	220/1/50
<b>02-06-00721</b>	RE-20	B	2210	2	7	0.3	220/1/50
<b>02-06-00722</b>	RE-21	B	1530	2	5	0.2	220/1/50
<b>02-06-00723</b>	RE-22	B	1020	2	5	0.2	220/1/50
<b>02-06-00724</b>	RE-23	A`	2430	2	5	0.5	220/1/50
<b>02-06-00725</b>	RE-24	A"	1785	2	5	0.5	220/1/50
<b>02-06-00726</b>	RE-25	A"	3100	2	5	0.75	220/1/50
<b>02-06-00727</b>	RE-26	A"	340	2	3	0.3	220/1/50
<b>02-06-00728</b>	RE-27	A"	1445	2	5	0.5	220/1/50
<b>02-06-00729</b>	RE-28	A"	3215	2	5	0.5	220/1/50
<b>02-06-00730</b>	RE-29	A"	2516	2	5	0.5	220/1/50
<b>02-06-00731</b>	RE-30	A"	1600	2	3	0.3	220/1/50
<b>02-06-00732</b>	RE-31	A"	1900	2	3	0.5	220/1/50
<b>02-06-00733</b>	RE-32	A"	2265	2	3	0.5	220/1/50
<b>02-06-00734</b>	RE-33	A"	1700	2	3	0.5	220/1/50
<b>02-06-00735</b>	RE-34	A	1657	2	3	0.3	220/1/50
<b>02-06-00736</b>	RE-35	A` ,A`	1000	8	3	0.3	220/1/50

<b>02-06-00737</b>	<b>hood</b>						
	stainlees steel hood used for labortary to be installed above sterilizer with following dimension 1500x600						2
<b>02-06-00738</b>	<b>water cooler</b>						56
	40 l/h cooled to 10 c						
	electric supply 220/1 ph/50						
	stainlees steel ,anti-splash top equipped with non-clogging and easy to clean integral strainer grid the tank shall be burst proof galvanized with copper refrigerator coil						
<b>02-06-00739</b>	<b>window type 2 ton with heater capacity 3.6 kw</b>						4
<b>02-06-00740</b>	<b>window type 1.5 ton with heater capacity 3 kw</b>						4
<b>02-06-00741</b>	<b>window type 1 ton with heater capacity 2.6 kw</b>						10
<b>02-06-00742</b>	<b>split unit 2 ton with heater capacity 3.6 kw</b>						2
<b>02-06-00743</b>	<b>x-ray window 1.5x1.2m w/load glass</b>						6
<b>02-06-00744</b>	<b>x-ray door fram 1.8x2.35 m w/load sheilding</b>						6
<b>02-06-00745</b>	<b>x-ray door fram 0.9x2.1 m w/load sheilding</b>						6
<b>02-06-00746</b>	<b>drinking water storge tank</b> made of hot pressed steel plate of dimension (1.22x1.22) and thickness of not less than 6mm						
	(7.32x4.88x2.44) m						2
	(4.88x2.44x2.44)m						2
<b>02-06-00747</b>	<b>inclarator of 300 kg /hr</b>						2
<b>02-06-00748</b>	<b>bed lade unit</b>						18 unit
	each one of bed lade unit comprifing the following						
<b>02-06-00749</b>	<b>* general light 40 w with lamp</b>						2
<b>02-06-00750</b>	<b>* read light 20 w with lamp</b>						2

02-06-00758	SPECIFICATIONS FOR TANK TRUCK				300
	( GAS OIL - CESSPOOL EMPTIER DRINKING WATER)				
1) Truck Specification					
1- Type : Forward control					
2- Drive sys. 4 X 2					
3- Loading Cap. (10.000 liters Gas oil)					
	( 8.000 liters cesspool emptier)				
(10.000 liters drinking water)					
4- Dimensions					
Wheel base about 4.100 mm					
Overall length about 7.535 mm					
Overall width about 2.480 mm					
5- Engine : Diesel engine water cooled					
6- Electrical eq. : 24 Volt, 12 volt X2 Batteries, 120 Ah at 20 hr					
7- Transmission : Manual Power assist					
8- Clutch : Hydraulic control, single dry plate with air pressure assistance.					
9- Tires : Single Front, dual rear					
10- Steering : Left hand steering, Ball mute type with integral type hydraulic power booster, Telescopic and tilt steering column with steering lock.					
11- Front suspensions: Laminated leaf springs with shock absorbers					
12- Rear Suspensions : Laminated leaf springs					
13- Front : Parallel, Tapered channel section type with cross - member and reinforcements					
14- Fuel Tank : 250 liters					
15- Drivers Cab : All steel, tilt cab equipped with A/C					
16- Paint : Finish coat, Crystal white					
17- Measurement : Metric ( Km/h)					
18- Caution Plate : Arabic					
19- Brakes :					
Service : Air over hydraulic with dual circuit					
Parking : internal expanding type on propeller shift					
Auxiliary : Exhaust brake					
20- Cooling system :					
Radiator : corrugated fin type with pressure cap and surge tank					
Fan : Multi – blades, steel					
<b>2) TANKS : Specifications</b>					
<b>A – Gas Oil Tank</b>					
* Capacity: 10.0 KL. Gas Oil					
* Type : Elliptical cross sectioned cylindrical tank					

	* Tank construction: tank assembly of elliptical shape, constructed with steel plate by electric welding which consists of tank shell, end plate, apparition plate, of lashing and manholes (inside 400mm dia.) each manhole cover is furnished with a filling hatch (inside 230mm Dai.) a dip stick, an air vent valve and a filling point interior surface of tank is zinc painted anti- corrosion.						
	* Loading and emptying : emptying by pumping or gravity pump capacity 600 liters/min at 600 r.p.m						
	* Attachments :						
a- Hose locker			Two, both sides of tank shell				
b- Ladder			One, at left side in rear of tank				
c- Tool box			One, mounted on frame				
d- Bumper			One ,rear end of chassis frame				
e- Fire extinguish			Two, both side of vehicle				
f- Earth reel			One, at left side of vehicle				
g- Earth chain			One, at rear of vehicle				
h- Muffler with spark arrested			One, provided at front side of vehicle				
	* Accessories :						
a- Hose (for suction or delivery) 63mm X 3mm							2 PCS
b- Hose wrench							2 PCS
* Dip stick is Marked on every 1000 liters							
<b>B- Cesspool Emptier Tank</b>							
* Cap : 8000 Liters							
* Type : Elliptical cross sectioned cylindrical tank							
	* Tank construction : Tank assembly is elliptical shape, and constructed with steel plate by electric welding it consists of tank sheu, and plates, a main manhole, peep holes, 2-way ball valves and blind manholes. Interior surface of tank is zinc painted for anti-corrosion.						
	* Loading and emptying : By vacuum pump ( by increasing or decreasing tank pressure).						
	Pump capacity : 2.790 lit/min at 500 r.p.m						
	* Equipment :						
a- Delivery hose			75mm dia x 6m				1 PC
b- Suction hose			65 dia x 10m				1 PC
c- Tool box			one mounted on frame				
* Color : Finish coat, crystal white							
<b>C – (Drinking Water Tank)</b>							
* Capacity : 10.0 KL Drinking water							
* Type : Elliptical cross sectioned cylindrical tank							
	* Tank construction : tank assembly of Elliptical shape, constructed with stainless plate by electric welding which consists of all its part.						
	And the tank has the parts and equipment that is necessary in the use and carrying the drinking water						
	* Loading and emptying:						
	Loading by pumping and by normal feeding from upper manhole						
	Emptying : by pumping and by gravity						

02-06-00759	over head projection							4
02-06-00760	slide projection							4

**02-06-00761 flower making machine**

4

the capacity of the machine to make flower from grains is 20 to 30 kg/hr the size of the machine is small to medium the machine should accompany with the spare parts covers for 2 years maintenance also for two years origin of the machine should be uropian with warranty for 2 years & maintenance 2 years

**02-06-00762 crushing mashine mashine**

4

capacity 20 to 30 Kg/hour , small to medium size . The machine should have the ability to crush the grains in to two levels small & medium size crushed grains to be used for animal food making with warranty for 2 years & maintaining 2 years

**02-06-00763 mixer**

4

	capacity 20 to 30 kg/hr mixing capacity with warranty for 2 years & maintaining 2 years
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<b>02-06-00763</b>	<b>oven</b>								8
	hot air oven used for drying animal food pasute size : large size with warranty for 2 years & maintaining 2 years								
<b>02-06-00763</b>	<b>pasute making machine</b>								4
	capacity 5-10 Kg/hr size : medium with warranty for 2 years & maintaining 2 years								
<b>02-06-00764</b>	<b>hot water boiler 2.5 ton /hr</b>								4
<b>02-06-00765</b>	<b>sealed-acid battery 70A/H/long life</b>								600
<b>02-06-00766</b>	<b>sealed-acid battery 135A/H-long life</b>								30000
<b>02-06-00767</b>	<b>sealed-acid battery 200A/H-long life</b>								1000
<b>02-06-00768</b>	<b>Ni-cd-battery 6A/H 6V</b>								400

### Targeted Nutrition Programme

<b>02-06-00769</b>	Field vehicle for transport of supplies and Monitoring / supervision of the programme 200 (2 cars / district + 26 for governorat and central levels )	200
<b>02-06-00770</b>	Computer (1 per governorat , 2 of Baghdad and 4 for NRI) to improve CCCU/PHC database	20
<b>02-06-00771</b>	Fork lift 3 ton ( to be used storage places at Governorate for high protein biscuit and therapeutic milk)	20
<b>02-06-00772</b>	Motorcycle (one for each PHC center for monitoring at field level )	1000

### North of Iraq / health

<b>02-06-00773</b>	Water tank trunk 8-10000 liter capacity , LHD with Export Specs for Iraq & manuf. Recommended spare for 2 yrs. Operation	2
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