

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.
02-06-00001	0.15-0.1	0.365015-0.4	3000	1.5	220 or 380V 50 HZ	140
02-06-00002	1	10	3000	3.7	220 or 380V 50 HZ	140
02-06-00003	0.5	15	3000	3.7	220 or 380V 50 HZ	60
02-06-00004	1	22	3000	7.5	220 or 380V 50 HZ	60

02-06-00005	Equipment: Package unit complot witch 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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02-06-00006 Equipment: Air Cool ed Chiller 80

Cap : 100 Ton
 Ambient Temp. 60C
 Water out let Temp 12 C
 Water in let temp 6 C
 Compress type semi hermetic
 Coil materiel : Copper tubes with element fins
 Fan type : Propeller
 Evaporator : Sheila and tubs
 GSA use R-12 or R-22
 380 V 50 HZ

02-06-00007 Equipment: Air Cool Ed Chiller 100

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

02-06-00008 Equipment: Window type air-condition with heater 12000

Cap : 2 Ton
 GSA R-22
 220 V 50 HZ , 24000 BTU

02-06-00009 Equipment Split Unit with heater 1800

Cap : 2 Ton
 GSA R-22
 220 V 50 HZ , 24000 BTU

TIRES

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

Acid batteries

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

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

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

02-06-00030 Equipment: Corps refrigerator

340

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 most 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 a period of two years starting from the date of putting them in operation. All equipment shall be tested and outstanding technical problems shall be discussed & 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 & lodging for a period of two weeks

F). TRAINING

Tendered shall train two persons on the repair & maintenance of the equipment, each person for a period of one month in his firm tendered shall bear all costs including return air tickets full board & 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

4

02-06-00032 Equipment : Vegetable and fruit cold stor

200

Cold store for the purpose

Noose walk in cold stores temperature ranging 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 aluminutium 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.

02-06-00033 Equipment : computer

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 discettes
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

02-06-00034 Equipment : Softeners

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
mountenance operation catalog.
- Training for 2 Engineers +2 Technician

02-06-00035 Equipment : Softeners	100
Fully automatic softener and meter control	
- Control panel ,Brine tank, with its interconnecting pipe system and all its additional accessories suitable for continuous soft water supply as following:	
- Max flow rate :- 10 m3/h :-5M3/h	
- Resin:- strong cationic resin sodium base	
- Power supply :- 220V or 380V 50 HZ	
- Hardness treated water 0oFTH	
- Pressure 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	
maintenance operation catalog.	
- Training for 2 Engineers +2 Technician	
02-06-00036 Equipment : hospital lift complete	
QTY As below	
Site:-saddam Medical city general hospital	
1- hospital standard 24- Passengers Patient bed, side open door 21 floor Stainless steel doors with all parts need to replace existing 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 doors 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 Tahreer Hospital and Basrah Funeral Hospital.	
10PCS	
02-06-00037 Fork Lift (2Ton)	80
1.DIESEL ENGINE 4 CYLINDER WATER COOLED	
2.BATTERY 12V	
3.NORMAL HYDROLIC GEAR	
4.MAX HEIGHT 3.5M	
02-06-00038 Absorption chiller	60
550 TON	
02-06-00039 High tension switch gear	
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

02-06-00040 Paging system

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

02-06-00041 Equipment: Freezers

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

02-06-00042 Equipment: Vaccines and medicines refrigerator

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

Equipment: kitchen equipment

- Company / manufacture: European
- Site:saddam medical city

02-06-00043 Mobile sink capacity 220 liter dimension 800X600X500mm total high 650 mm

12

02-06-00044 Mobile sink capacity 220 liter dimension 800X600X500mm total high 650 mm

12

02-06-00045 Equipment: Steam Boiler for heating (5 ton/hr)

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-Contractor shall supply, install and commission flue gas ducting (chimney) terminating in a suitable down 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/m3 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 ½" 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. Fujiy 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
	rating : 760 000 kcal/hr (879 kw)	
	working press : 8 bar	
	design : 3 pass wet back fier tube	
	burner : dual fuel , LPG and light gasoil	
	standerd : B.S 2790 and equivalent	
	quality : 150 9001	
	full automatic equippe 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

02-06-00052	1200X 24	1000
02-06-00053	3007436/007	96
02-06-00054	3007436/004	96
02-06-00055	2003087/001	48
02-06-00056	2003087/002	48
	BATTERY	
02-06-00057	60 AMP	4268
02-06-00058	90 AMP	806
02-06-00059	135 AMP	1104
02-06-00060	540 AMP	296
02-06-00061	530 AMP	50
02-06-00062	30	484
02-06-00063	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 LAIED DOWN BY- MOU.	
	ALL NODES WILL BE CONNECTED IN THE SECOND STAGE. WITH THE KAMADIA COMPUTER CENTRE IN THE MINISTRY OF HEALTH'	
	THE FOLLOWING HARDWARES AND SOFTWARES ARE REQUIRED	
	A- NETSERVER QUANTITY -14 UNITS	
	SPECS AS FOLLOWS	
	1-UPTO 16 GB INTERNAL STORAGE	
	2-SIX EXPANSION SLOTS-TWO PCI,TWO PCI/ISA,TWO ISA	
	3-RAM UP TO 198MB AND TWO UNITS WITH RAM 384MB	
	4-BUILT IN ASR	
	5- CD-ROM	
	6-PRE CONFIGURED NETWORK CARD	
	7-NOT LESS THAN 200 MHz PROCESSOR	
	8-TAPE BACKUPSYSTEM NOT LESS THEN 8 GBNATIVE STORAGE	

9-EXTERNAL STORGE CABINET WITH 4.3 GB DRIVE
 10- 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

02-06-00069 Passengers intercity staff bus 20 to 30 passengers, automatic doors ,diesel engine,air conditioned,apholestered chairs stainless steele fram,sliding glass windows with curtains,rubber mat floor, tinted windshield , stereo radio-recorder,ceiling hanging grips, 1000

Equipment: kitchen equipment
Company / manufacture: European
Site:saddam medical city

02-06-00070 Electric boiling pan, 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

02-06-00071 Electric boiling pan, 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

02-06-00072 Deep fat fryer – 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

02-06-00073 Deep fat fryer – 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

02-06-00074 Potato peeler mounted on astounds, 3 pH, .5 KW dimensions approx. 500X750X1000mm capacity approx. 28 l Bs /load materials stand of cast iron cylinder of aluminum 2

02-06-00075 Meat bond saw , 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

02-06-00076 Vegetable mill , 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

02-06-00077 Food cutter 3pH 380 V 50HZ dimensions approx. 750 X600X500mm capacity volume of bowl 11liter speed of bowel 16/33 rpm speed of knife 1400 /2800 rpm material bond of s/s cover and stand of elect of aluminum with all accessories knives s/s spanners 4

02-06-00078 Heavy duty meat miner 380 V 50HZ 1.5 KW capacity approx. kg/hour 300, diameter of rotating knives 82 mm dimension approx. 400X470X 500 6

02-06-00079 Universal kitchen machine 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

02-06-00080 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

02-06-00081 Equipment : Absorption chiller 12

Site/saddam Medical city
capacity : 1000 RT
Replacement to 16 JE carrier
- Eva & Abuse :
copper tubes 22 BWG X 1/4" O.D
Eva. tubes have 19FPI
Abuse. tubes are prime surface
- Evaporator :
model 16 JE 707
in - out temp. (C O) : -12.5 - 7
flow (L/S) :- 149
tube velocity (M/S) :- 1.79
pass no. :- 2
- Absorber :
model 16 JE 707
in temp .(C O) :- 29.4
flow (L/S) :- 240
tube velocity (M/S): 1.87
pass no. : 2
con. & gen.
3/4 " O.D
condenser tubes are plain 22BWG copper
generator tubes are 19 BWG Ca- Ni alloy 90-10

	- con . model 16 JE 707 out temp. (C0) :- 38 flow (L/S): - 240 tube velocity (M/S):- 3.28 pass no. : 1 gen. Model 16 JE 707 Steam Pr - (bar gauge) :- 0.772 Steam rate (G/SEC) :- 2275	
02-06-00082	Equipment : Centrifugal electrical chiller 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	Equipment : Centrifugal electric chiller 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	Equipment : air compressor with motor 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	Equipment : air compressor with motor 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 swishes , 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 three quarters of the space shall be occupied by shelves the rest by hangers .

7- 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 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 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 price shall be C&F Baghdad and the spares shall be shipped with the freezers . Among other things , the list shall include the following items:-

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

TESTING , INSTALLATION AND GUARANTEE

A : TESTING AND GUARANTEE

tenderer shall guarantee and maintain the freezers for a period of tow years starting from date of putting them in operation . All equipment shall be tested and autstanding technicalproblms shall be discussed and settled in the firm prior to the shipment of the equi[ment and in the presence of our engineer . tenderersshall 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 eosts including return air - fair , full - board loding 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 brough in stores at around 35 0C .

2-quantity of stored meats in each store is about 1500 KG .

3-load calculations shall be sent with the offer

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 at above and must be with separate motor for each blower and will work in high humidity weather 60% humidity and total hardness is for water 500 PPM recommended spare for 5 years include complete motor :-

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 including 2H.T breaker complete and tools for repairing and maintenance complete maintenance operation and installation catalog and training for 2 engineer the system complete with the dimensions below length 3meter ; depth 1.7 meter ; high 2.25m

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

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

02-06-00131 Kiss graph machine copy speed (60-130 copy per minute) GR-1750 or GR-3750

2

02-06-00132 Video and calling system requirement

120

Video camera digital with motorized connected to the current system

02-06-00133 27" Monitor video in –video out connected to the current video system

80

02-06-00134 Amplifier for current audio calling system

40

02-06-00135 Video recorder U-Match

40

02-06-00136 Video Recorder VHS

10

02-06-00137 Video Caddie U-Match

1000

02-06-00138 Video Caste VHS

200

02-06-00139 Equipment:-Pegging system

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 Equipment:- water softener

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 petium 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

SWITCH SPARE PART FOR 5 YEARS INCLUDING THER MOSTAT MOTOR SELECTOR

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
	CAPACITY : 550	
	CENTRIFYAL TYPE WATER COOLED	

SPARE PART FOR 5 YEARS
TRAINING FOR ENGINEAR
SUPPLY OPERATION AND MAINTENANA

CATOLOG WITH SPARE PART LIST

INSTALLATION AND OPERATION AND MAINTEANCE FOR ONE YEAR..

02-06-00149	WATER COOLER COMPLATE WITH
	3000
	¼ OR 1/3 HP COMPRESSON 50HZ SINGLE PHASE 220V

SYEARS SPARE PART
TRAINING FOR ENGINEER AND TECH

02-06-00150	Equipment :- Window unit
	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.	
02-06-00151	Equipment :- split unit 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
02-06-00152	Equipment :- deep freeze 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	
02-06-00153	Equipment :- chiller Air cooled 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 sheel and tubs (cooler type) pumps flow rate suitable for the chiller air handling units with suitable capacity electrical board for operation (pumps ,chiller , air handling units)	
02-06-00154	Equipment:- cooling tower 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.	
02-06-00155	Equipment:- cooling tower 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

WHEELS
- SUSPENSION: HEAVY DUTY LEAF SPRING IN EACH REAR AND FRONT

- 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).

1000 KG
- LOAD CAPACITY: THE VEHICLE CAN CARRY NET WEIGHT NOT LESS THAN

- 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, R22 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	FORK LIFT (5 TON)	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
02-06-00193	Z ND stage :288 .6mm (9)" tow - 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	4set
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 SOLENOID VALVE	20	
02-06-00203	Oil preserve	10	
02-06-00204	Chain over suttie	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	30	
	0-3005 Freq. 0-4000		
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	Contifagal 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/h0:160	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		

02-06-00243	Centrifugal pump with motor complete old model :- B125/25 Q floweret m3/h:- 95	80	20
	Head :- 17m		
	Volt 380, 50Hz,3Ph		
02-06-00244	Centrifugal pump with motor	80	20
	Old model :- B125/30(Hot water)		
	Q floweret (m3/h):- 99		
	Volt:- 380,50 Hz, 3ph		
02-06-00245	Centrifugal pump with motor old model :- B40132	40	20
	R.P.M= 1450		
	Q floweret m3/h =14		
	Head :- 25 volt;- 380 Hz = 50 pH: 3		
02-06-00246	Centrifugal pump with motor	40	10
	Old model :- B80 /35 Qflowrate :- m3/h 50 volt:- 380 , 50Hz,3ph		
02-06-00247	Centrifugal pump with motor old model :- B125/35 Q floweret (m3/h) :60 volt:- 380 50Hz, 3ph	20	10
02-06-00248	Centrifugal pump	20	10
	With motor old model :- bob 80/25 Q floweret m3/h :59 volt:- 380 , 50Hz,3ph		
02-06-00249	Electric sewage pump head :- 15-20		
	380volt: 50Hz,3ph supply complete maintceance and operating installation catalog and spare part Catalan training of our staff in maintenance factory	20	20

02-06-00250	Drying tumbler			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			
02-06-00251	Press			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			

02-06-00252	Steam dryer				300
	capacity 50kg dry /load with 3 load /hr				
	heating : steam (6-8) bar reverse rotation cylinder inter lock door for safety				
	timer control indication lamps and any other necessary components must be included				
	inlet and out let flexible steam pipes exhaust flexible pipe 6m for each automatic start -stop starter ,steam trap cylinder material should be corrosion - proof itemized and separately priced spare part list for 3 years				
	operation installation repair and spare parts manual with each tumbler				
	connection to 380 V 50 HZ 3PH				

02-06-00253	iron steam				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				

02-06-00254	Flat work ironed machine				300
	electrically heated press roller to 1.5 m length automatic lifting and lowering of cylinder heat control fingers - protection feeding and receiving tables				
	connection to 380v 50hz 3ph				
	spare part list for 3 years				
	operation in stallation repair and spare parts manual with each drying tumbler				
	Training tow engineers for 3 weeks in the factory				

02-06-00255	Washing machine				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				
	safety lock on door unbalance switch				
	G- factory :500 g				
	fitting and flexible pipes 1.5 m included				
	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				

02-06-00256	Washing machine				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				
	safety lock on door				
	fitting and flexible pipes 1.5 m included				
	connection to 380 v 50 hz 3 ph				
	domestic water pressure supplied 0.5 bar				
	itemized and separately priced spare parts list for 3 years operation				
	installation repair and spare parts manual with each washer				
	Training two engineers for 3 weeks in the factory				

02-06-00257	Washing machine				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				
	safety lock on door				
	fitting and flexible pipes 1.5 m included				
	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 two engineers for 3 weeks in the factory				

02-06-00258	Press				200
	Capacity 50 kg				
02-06-00259	hydro extractor				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 two engineers for 3 weeks in the factory				

02-06-00260	Cornice flexiflame 70				100
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02-06-00261	Drying to LBG gas dryer				4
02-06-00262	Hot water boiler				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				
02-06-00263	Calling system and equipment for calling system				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				
02-06-00264	Compressor				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.				

02-06-00265	Telephone exchange system					
	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 serialcall 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 care 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					
	Equipment :pumps					
	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.,

02-06-00266	12LN21	340	36	650	1440	12
02-06-00267	12LN17	265	52.5	335	1440	20
02-06-00268	12LN17	224	36	372	1440	8
02-06-00269	ERP80-400	150	140	30	2880	4
02-06-00270	12LA2	150	25.5	415	1440	4
02-06-00271	12LA2	90	30	300	1440	6
02-06-00272	10LA3	90	30	170	1440	4
02-06-00273	10LA3	90	43.3	142.3	1440	4
02-06-00274	65WP315	75	132.5	22.5	2880	4
02-06-00275	6L3	55	32	101.29	1440	4
02-06-00276	6L3	55	52.5	52.24	1440	4
02-06-00277	65WP315	55	103	22.5	2880	6
02-06-00278	ERP60-200	45	190	7.57	2880	12
02-06-00279	50wp315	37	103	10	2880	6
02-06-00280	65WP250	37	68.6	22.5	2880	6
02-06-00281	6L3	37	34	55.5	1440	6
02-06-00282	6L3	30	27	98.5	1440	4
02-06-00283	100WP200	30	37	43.1	2880	4
02-06-00284	80WP160	15	24	30	2880	4
02-06-00285	1 ½ TM2	15	132.5	2.5	2880	2
02-06-00286	40WP200	11	45	7.57	2880	4
02-06-00287	40WP200	11	55	4.36	2880	4
02-06-00288	1 ¼ TM43	7.5	68.6	2.25	2880	2
02-06-00289	4L1	5.5	9	30.61	1440	4
02-06-00290	100WP200	4	11	17.42	1440	4
02-06-00291	1 ¼ TM22	4	83.3	1	2880	6
02-06-00292	3L1	3	8	15.86	1440	4
02-06-00293	3dv2	3	-	-	2880	4
02-06-00294	32wp160	1.5	14.6	2.25	2880	4

02-06-00295	ELECTRICAL FORK LIFT (2 TON)		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		

02-06-00296	ELECTRICAL FORK LIFT (1 TON)		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		

02-06-00297	FORK LIFT (3 TON)				60
	1. DIESEL ENGINE 4 CYLINDER WATER COOLED				
	2. BATTERY 12V				
	3. NORMAL HYDRAULIC GEAR				
	4. MAX HEIGHT 3.5M				

02-06-00298	FORK LIFT (1 TON)				20
	1. DIESEL ENGINE 4 CYLINDER WATER COOLED				
	2. BATTERY 12V				
	3. NORMAL HYDRAULIC GEAR				
	4. MAX HEIGHT 3.5M				

02-06-00299	MEDICINES CARRYING TRUCKS:				600
	A- 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				
	B- LOADING CAPACITY:				
	FIRST OPTION LOADING CAPACITY (2-4) TON QTY (25)				
	SECOND OPTION LOADING CAPACITY (5-7) TON QTY (250)				
	THIRD OPTION LOADING CAPACITY (8-10) TON QTY (25)				
	C-ACCESSORIES: EACH VEHICLE (TRUCK) SUPPLY WITH THE FOLLOWING:				
	FAST SPARE PART: AUTO JACK WITH HANDLE AND WHEEL WRENCH : HAZARD TRIANGLE: HYDRAULIC TAIL LEFT.				
	1. COOLING SYSTEM WORK BY ENGINE OR ELECTRIC POWER 380 VOLT 50 HZ 3 PHASE				
	2. DIAL THERMOMETER MUST BE PROVIDED				
	3. AUDIOVISUAL FOR HIGH TEMP. MUST BE FITTED				
	4. REFRIGERATION MUST SUITABLE TO MAINTAIN THE COOLING SPECIFICATION MENTION BELOW AND USES THE FOLLOWING GASES R12, R22, R502.				
	5. INTERNAL TEMP FROM + 10C TO-20C				
	6. AMBIENT TEMP.				

	SUMMER BDT 60C				
	WBT 25C				
	WINTER DBT 1C				
	WBT 3C				

02-06-00300	TRUCKS:				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				

02-06-00301	AMBULANCE				400
	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				
	PATIENT'S COMPARTMENT				
	THE PATIENT'S COMPARTMENT IS TO BE FULLY INSULATED.				
	ROOF HEIGHT				
	INSIDE HEIGHT NOT LESS THAN 1500MM 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.			
	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			
	CYLINDER KEY			1 FOR EACH
	OXYGEN FLOW METER /REGULATOR			1 FOR EACH
	HUMIDIFIER			1 FOR EACH
	PORTABLE OXYGEN KIT			
	ONE PORTABLE OXYGEN KIT COMPLETE WITH REGULATOR AND SUPPLIES.			
	RESUSCITATOR COMPLETE WITH CYLINDER.			1 FOR EACH
	RESTRAINING STRAP FOR RESUSCITATOR.			1 FOR EACH
	SUCTION SYSTEM			
	ONE VACUUM APPARATUS INCLUDING AN ELECTRIC DRIVEN PUMP with rechargable battery			
	FIRST AID EQUIPMENT			
	A BOX IS TO BE PROVIDED CONTAINING THE FOLLOWING:-			
	TWENTY PRE- LOCALIZED PADS			
	TWELVE COMPRESSIVE BANDAGES			
	- FOUR 10CM ELASTIC STRIPS.			

	- SIX GAUZE BANDEAUS, THREE OF 75MM AND THREE OF 150MM.	
	- TWENTY GAUZE PADS 10CM BY 10CM, INDIVIDUALLY WRAPPED.	
	- TWO 5CM ANTI-ALLERGIC ROLLS OF ADHESIVE TAPE.	
	FIFTEEN TONGUE DEPRESSORS INDIVIDUALLY WRAPPED.	
	- ONE 100 ML BOTTLE CONTAINING CHLOREXIDINE BASE DISINFECTANT.	
	AIR SPLINTS	
	ONE SET OF AIR SPLINT FOR EACH OF THE UPPER AND lower 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 .	
	ANTENNA	
	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: 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.				
	optional equipments 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
	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)			
	A- BASIC VEHICLE			
	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- PATIENT COMPARTMENT			
	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			
	C- ADDITIONAL SUPPLIES:-			

	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 cercuit			
	10- laryngeal mask (small ,medium, large)			
	11- 2 bottel for N2O with resulator 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).			

02-06-00305	EQUIPMENT:				200
	WHEEL LOADER (1-2M3) BUCKET				
	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.				

02-06-00306	EQUIPMENT:				10
	ELEVATING WORK PLAT FORM ON TRUCK				
	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.				

02-06-00307	TOWING TRUCK:				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 ½ 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	EQUIPMENT:				20
	MOBILE CRANE				
	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.				

02-06-00309	EXCAVATOR, SMALL SIZE			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.			

02-06-00310	MOBILE DEAD BODY			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 LITERS			
	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 GAGES 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)			

02-06-00311	VEHICLE PICK-UP SINGLE CABIN		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		

02-06-00312	LAND CRUISER 4 WHEEL DRIVER		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 (5PERISON) FOR ONE MONTH		

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

02-06-00314	LIGHT ALLOY TROLLEYS		200
	WITH ONE REMOVABLE ENDS. 350KG CAPACITY PLATE FORM OF ALUMINUM SLATS INSERTED IN A BOLTED, REIN FORCED FRAME AND CASTORS (2 FIXED AND 2 SWIVEL)		

02-06-00315	HAND PALLET TRUCKS		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.		

02-06-00316	MOBILE LADDERS AND PLAT FORMS		200
	in ALUMINUM TREADS in NON SLIP STUDDDED SURFACE		
	- PLATFORM IN ALUMINUM ALLOY, WITH NON SLIP STUDDDED 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.		

02-06-00317	TELESCOPIC ELEVATING WORK PLATE FORMS		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.		

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

02-06-00320	EQUIPMENT: CLOCK	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.	

02-06-00321	SPECIFICATION OF AIRCONDITIONING	80
	WARE HOUSE (COLD STORE FOR DRUGS)	
	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 height	
	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 supplied with all necessary gable steel work eavesties roof and vertical bracing door steel work and will be complete with foundation bolts and all erection 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 blosted 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 polyuerthene 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 golvanised steel sheet slide doors both side with insulation 100mm polyurethene 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 . Temperature range (0-4)C . Ambient temp 50 C internal 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 CELLING 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 high tension equipment and cabling	
	b- main switch board and distribution boards mounted outside the store	
	c- cabling / sub - circuits wiring	
	d- lighting : provided from fluorescent fitting (double fluorescent) 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 : a complete fire alarm system comprising break glass points on fire exit doors and sirens to give audibility throughout the building and with sensors (smoke , heat , radiation) with wire and cable complete with all necessary fitting and terminations (control board)	
	9-fire fitting system (automatic sprinkler system) design manufacture deliver and installation of an automatic roof sprinklers system in each store including the following equipment per store and fire extinction	
	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 diesel with all boards	
	d- water storage tank enough for one hour made from galvanised steel	
	e- jockey pump	
	10- storage racking : storage racking type narrow aisle racking from galvanised steel height 6100 mm therefor allowing 6 pallet high stacking per bay the bay dimension is 2x1000 mm width x1200 mm deep the distance between racking (1700-1800)mm	
	11- forklift truck:	
	a-two forklift per stor. for the racking rider electric reach truck which operates in narrow gang ways.(side loading)	
	capacity 1350 KG lifting height 7000mm tyres.driver/steer-cushion rubber load/buthane/polyurethane width. max. 1600mm battery 48V with charger then 8 hours 229/25V AC single phase 50HZ	
	b-two forklift per stor / for loading and unloading from capacity 1350KG lifting height 2500-3000mm with battery 24V	

	12-generator for each stor 500KVA	one generator water cool,turdo charger,sound of whether proof container.
	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-foundation 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	

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

02-06-00323	Packaged unit air-conditioning 12 ton for lift room			2
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02-06-00324	Equipment: Multimedia projector			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			

02-06-00325	Equipment : Scanner			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			

02-06-00326	Equipment : notebook			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, 1 zoomed video (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		

02-06-00327	EQUIPMENT:ROOF				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				

02-06-00328	EQUIPMENT:WALLS				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				

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

02-06-00341	FILM ARTS GRAPHICS BLACK & WHITE			
	Size : 50 X 60 cm			100
	100X70 CM			100
	40 X 60 cm			100

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

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

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

02-06-00346	Developer plate A & B				2000 for each
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02-06-00347	Correctio n				100 bottle
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02-06-00348	Fixer				100 gallon
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02-06-00349	Ster lon sheet 100X70 cm				2000 sheet
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02-06-00350	Steel core for switching machine 22\19& 21\19				1000 turning
	copper core for switching machine 22\19& 21\19				1000 turning

02-06-00351	Cart bort 100 X70 cm , 240 g\m?				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 cooler 10000 band
	Cart bort 100 X 70 cm ,200 g\m?			blue cooler 10000 band
	Cart bort 100 X 70 cm ,200 g\m?			pink cooler 10000 band

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

02-06-00354	Paper 100 X 70 cm , 80 gm ,			white cooler 10000 band
	Paper 100 X 70 cm , 80 gm ,			white color 10000 band
	Paper 100 X 70 cm , 80 gm ,			white cooler 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 cooler 2000 band
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	Carbon papers 100X70 cm			blue coloe 2000 band
	Carbon papers 100X70 cm			pink coloe 2000 band
	Carbon papers 100X70 cm			yellow coloe 2000 band

	EQUIPMENT: SUB – STATION			
	SITE:SADDAM MEDICAL CITY			

02-06-00358	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	

02-06-00359	A COMPLETE HIGH VOLTAGE SUB-STATION 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 MECHANISIM, 110 OR 24 VDC AND IN AN EMERGENCY BY A MANUAL HANDLE, THE SUB-STATION SHALL CONSISTS OF A DC CHARGER 110V OR 24V	

02-06-00360	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, MECHANICALLY AND ELECTRICALLY OPERATED AIR CB'S , WITH ALL PROTECTION AND METERING EQUIPMENTS , CALIBRATIONS AND ADJUSTMENTS SHALL BE IN ACCORDANCE WITH I.E.C STANDERDS	

02-06-00361	BUSWAYS 5000 AMP. RATING	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 .	
	BUSBARS SHALL BE COPPER FABRICATED FROM 98% CONDUCTIVITY COPPER ,SILVER PLATED OVER THE INTIRE LENGTH	

02-06-00362	Field car (4WD a/c model 99)	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	

02-06-00363	Photo copy machine	40
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02-06-00364	Overhead projector , LAMP 650 W , 25 ? 25 cm	32
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02-06-00365	Television (39 inch)	32
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02-06-00366	Video camera (VHS) with accessories	32
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02-06-00367	Double- cassette recorder with amplifier	32
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02-06-00368	Video (VHS) with accessories	32
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02-06-00369	Photo Camera	32
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02-06-00370	Slide projector with all accessories	8
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02-06-00371	Assembly of video – tape equipment (for recording , play – back & editing) (VHS system)	2
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02-06-00372	Pentium II -450 MH3w/cache			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)			

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

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

02-06-00375	Telephone exchange system			2
	2 out line x 20 in line			

02-06-00376	EQUIPMENT: Generator (1000KVA)			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 governor)1s rigidly coupled with synchronous alternator (west European origin ,self exciting self regulating revolving field Brushless 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
02-06-00378	Dishes washing machine				4
02-06-00379	Ampoule sealing machine with accessories				2
02-06-00380	Cold room				8
	35C 9.5M3				
02-06-00381	Cold room				8
	+2/+6 C 7.2M3				
02-06-00382	Security system				2
02-06-00383	Specific printer for bar				200
02-06-00384	Lab refrigerators				20
02-06-00385	Vacuum				2
02-06-00386	VEHICLE				30
	SPECIFICATION OF FIRE FIGHTING TANKS				
	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 lts. 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

02-06-00388	Freezer - 40 C0				12
02-06-00389	Freezer - 120 C0				4
02-06-00390	Network				
	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				

02-06-00391	Main conference room				2
	Projection T.V and screen				
	Overhead projectors X2				
	Slide projectors X2				
	Video (pal)				
	Multiple X- ray viewers - mobile				
02-06-00392	Doctors offices :				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				
02-06-00393	Pakeg unit 7,5 Ton				10
02-06-00394	Pakeg unit 5 Ton				6
02-06-00395	submersible draings Pump for spring well old model :- SP25 -15 H = 35M QFLOW = 100GPM out put connection = 3 inch flange V = 380 50HZ 3Q				8
02-06-00396	C02 incubator				24
	Mince - 1000 - solid state				
02-06-00397	Steam boiler 3TON				2

02-06-00398	Water treatment (deionized water) (hemodialysis)				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				

02-06-00399	Vacuum air				4
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02-06-00400	Cooling tower				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				

02-06-00401	Photo graphy equipment (iron for drying the negative)			2
02-06-00402	Tanks for film development			8
02-06-00403	BOILING PAN,GASEOUS:			400
	100LT,S/S with lid, water inlet, discharge faulet, LPG control, safety valve, jacketed, floor mounted.			
02-06-00404	BOILING PAN,ELECTRIC:			400
	As above but electric heated, controlled.			
02-06-00405	BOILING PAN, ELECTRIC:			400
	As above but steam heated, controlled.			
02-06-00406	DEEP FRYER,GASEOUS:			400
	Double well with baskets, covers, all stainless steel, ltemperature control floor mounted, size about 600x800x650.			
02-06-00407	DEEP FRYER,ELECTRIC:			400
	As above, but electric operated, 380V, 3PH,thermostatic control, timer.			
02-06-00408	COOKER, GAS RANGE:			400
	With oven, 5cuft,S/S body, burners, 900x900x800,pilot flame, controls, industrial design.			
02-06-00409	COOKER , ELECTRIC RANGE:			400
	As above but electric, thermostat control (18) KW total load, 4 hot plates, with oven.			
02-06-00410	MEAT MINCER:			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.			
02-06-00411	MEAT SAW:			400
	Floor mounted S/S table and parts, 900x600mm working table, 1 1/2HP motor full protections and controls.			
02-06-00412	SLICER:			400
	Heavy-duty compact, food slicer, S/S and aluminifinish, table type, gravity feed, full set of knives and access, 1/4 HPmotor, 220V.			
02-06-00413	GRILL GASEOUS:			400
	800X500 450 high with adjustable levels, floor mounted, s/s external finish, adjustable heat of (10KW) with accessories.			
02-06-00414	GRILL ELECTRIC:			400
	AS above but electric heaters, 10KW, 380V, 3PH,controls, access.			
02-06-00415	OVEN, GASEOUS:			400
	1000X800X500 depth oven, glass door, adjustable, temp, shelving, all S/S construction, accessories, timer temp. Indicator.			
02-06-00416	OVEN,ELECTRIC:			400
	AS above but electric powered 15KW, 380V, 3PH.			
02-06-00417	FOOD CUTTER:			400
	14 bowl food cutter, all S/S, adjustable speed, easy clearable, with set of accessories, attachments spare knives, table mounted.			
02-06-00418	FOOD MIXING MACHINE:			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.			
02-06-00419	KETTLE ELECTRICAL:			400
	5 LT boiling kettle, electric, controlled ,all S/S with insulated handle and base			

02-06-00420	TEA URN:				400
	20 LT electric tea urns adjustable temp. With thermostat and thermometer, level gauge, all stainless steel with insulated handle and base.				
02-06-00421	POTATO PEELER:				400
	Floor mounted 8LT load, 1/2 hp motor with full accessories and attachments.				
02-06-00422	HOT CUPBOARD:				400
	1100X650X800 hight, electric heated, 50-130C,controlled, all S/S, sliding door, heated top, insulated feet.				
02-06-00423	ICE CUBE MACHINE:				400
	Chest type with storage bin, 4 KG/HR ice-making machine, S/S construction, automatic operation.				
02-06-00424	INSECT KILLER:				400
	Hanging U.V.lamp, industrial insect killer with HV grid, collection tray.				
02-06-00425	SINK AND TABLE:				400
	Heavy gauge S/S, round edges, back splash table, double BOW1, mounted on S/S.				
02-06-00426	PREPERATION TABLE:				400
	Heavy gauge S/S, round edges table, mounted on S/S legs, with low grid shelf, dim 2100x650x900, wood reinforced.				
02-06-00427	MOBILE SINK:				400
	Sink (1) mm S/S, on castors, 220 LT with drain valve.				
02-06-00428	STAINLESS STEEL SHELVING:				400
	Heavy gauge shelving adjustable hight of 4 shelves per unit, each 1400x550, hight 800mm post 35mm square S/S.				
02-06-00429	CONVECTION OVEN:				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.				
02-06-00430	Bench surface protector				4 packets
02-06-00431	Drying cabinet ,large				4
02-06-00432	Drying rack wall mounted & bench top 72 place, 22 place				4for each
02-06-00433	Air condition 2.5ton				20
02-06-00434	Telephone exchange system				2
	200 inter line				
	10 outer line				
02-06-00435	Freezer, - 80C				6
02-06-00436	Deep freezer (-70 , -120 C)				8
02-06-00437	Chilled water airconditioning system 50K.W				6
02-06-00438	Aircondition package type 25K.W.				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 trolly carrige 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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02-06-00476	mist spraying machine holed by back with spare parts	1000
02-06-00477	fogging machine with spare parts- the A/M item should be included the following technical specifications 1- self starting engine (4 stroke machine) 2- multi purposes unit can be used for thermal fogging low volume application is cold aerosol sprayer for residual treatment is larvicide spraying 3- accessories for the control of temperature according to the weather conditions also for regulation of the size of particles is for those of spraying 4- double spraying lances 5- adjusting valve for regulation of the range of fog generation between 400-600 m ³ /min is expenditure of 10-200 gallon/ hr 6- range of diameter of particles 0.5-200m(micron)	200

02-06-00478	trailer with spare parts			1000
02-06-00479	hudson x-pert 10 liter with spare parts			2000
02-06-00480	wheel barrow power sprayer 100 liter with spare parts			1000

02-06-00481	IGEPA TF 35 fog generator with spare parts			1000
02-06-00482	IGEPA high performance FOG generator (jumbo) with spare parts 100			1000
02-06-00483	IGEPA HD 160 with spare parts			1000

02-06-00484	cooling tower				6
	capacity : 750 ton = 9×10^6 Btu/hr = 2268.66 thermie /hr				
	water out let temp. 7-26 °C				
	wet bulb temp 24.5°C				
	water flow rate = 330 m ³ /hr				
	tower weight empty weight : 2630 kg				
	full with water : 7810kg				
	basin capacity : 3.74 m ³				
	fans type propeller not exit than 3 fans for each tower				
	fans motor power :9kw				
	package :type PVC or wood				

02-06-00485	EQUITMENT: RADIO (WIRELESS) COMMUNICATION NET WORK FOR MEDICINES CARRYING TRUCKS				
	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).				

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

02-06-00494	Steam boiler				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				
	l) training of 2 engineers in factory				
	j) supervision on installation				

02-06-00495	DUPLEX WATER SOFTENING PLANT				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 wird,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

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

02-06-00497	DOCTOR CALL SYSTEM		
	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		

02-06-00498	Electronic master clock system		
	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 acarrier 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	

02-06-00499	UNINTERRUPTIBLE POWER SUPPLY UPS		
	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	

02-06-00500	Central Medical VACUUM PUMP		
	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

02-06-00501	EQUIPMENT : central telephone exchange	
	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 supply 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	

02-06-00502	equipment : steam sterilizer complete		
	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 trolly , 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	

02-06-00503	PUMPS COMPLETE						
	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

02-06-00504	BATTERIES					
	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

	Kitchen equipment					
	saddam medical city					
02-06-00505	Boiling pan,electric:					52
	100 Lt , s/s with water inlet , discharge faucet , LPG control safty valve , jacked , floor mounted , electric heated, controlled with all accessories and spare parts for one year operation					
02-06-00506	Boiling pan, steam :					8
	As above but steam heated, controlled, with all accessories and spare parts for one year operation.					
02-06-00507	deep fryer electric					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.					
02-06-00508	Cooker, electric range :					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.					

02-06-00509	Meat mincer :					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.					
02-06-00510	Meat saw :					6
	Floor mounted, s/s table and parts, dim. Approx.900*600mm working table, 1.5 Hp motor, full protections and controls, With all accessories and spare parts for one year operation.					

02-06-00511	Slicer :					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.					
02-06-00512	Grill, gaseous :					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.				
02-06-00513	Oven, gaseous :				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.				
02-06-00514	Oven, electric :				8
	As above but electric powered, 15kw, 380V/50Hz/3Ph.				
02-06-00515	Food cutter :				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.				
02-06-00516	Food mixing machine :				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.				
02-06-00517	Kettle electrical				40
	5-LT boiling kettle, controlled, all s/s with insulated handles and base. With all accessories and spare parts for one year operation.				
02-06-00518	Tea urn :				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.				
02-06-00519	Potato peeler :				6
	Floor mounted, 8-LT load, 1/2Hp motor, with all attachments, With all accessories and spare parts for one year operation.				
02-06-00520	Hot cupboard :				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.				
02-06-00521	Ice cube machine :				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.

02-06-00523	Sink and table :				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				
02-06-00524	Preparation table :				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.				
02-06-00525	Mobile sink :				14
	Sink (1) meter s/s, on castors, 220 LT with drain valve. With all accessories and spare parts for one year operation.				
02-06-00526	Stainless steel shelving :				8
	Heavy gauge shelving adjustable height of 4-shelves per unit dims. 1400*550*800 height, post 35mm ² s/s				
02-06-00527	Convection oven :				8

	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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02-06-00528	Medium voltage switchgear			
	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

02-06-00529	Passengers intercity staff bus .40 to 50 passengers ,automatic doors ,diesel engine,air conditioned,apholestered chairs stainless steele fram,sliding glass windows with curtains,rubber mat floor, tinted windshield , stereo radio-recorder,ceiling hanging grips,	20
02-06-00530	Passengers staff mini bus 20-30 persons ,and as above	20
02-06-00531	Fire fighting vehicle .turntable telescopic up to 30 meters ladder with rescue cage, with adjustable fire hose and jet,fully equipped for fire fighting ,rescue and maintenance tasks,non skid platforms,flood and spot light projectors,	8
02-06-00532	Fire fighting water tank vehicle of 13000 lt ,with pump 1000lt/min at 10bars,diesel engine with accessories	4
02-06-00533	Mini excavator of 1 meter 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 before 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	A COMPLETE HIGH VOLTAGE SUB-STATION 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 MECHANISIM, 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	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	
02-06-00537	BUSWAYS 5000 AMP. RATING	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	BUSWAYS, 1600 AMP. RATING.	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	PUMPS WITH MOTORS	
	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

02-06-00540	equipment : air compreesor			24
	trolly units attas capco			
	tank capacity 20 litter			
	model of comp. : LXF 06			
	motor : 1 ph, 50 hz, 220 v , 0.55 kw			

02-06-00541	equipment : electric distribution			
	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 surway (8 horse , using benzene as fule capacity 7 persons				32

02-06-00545	PUMPS				
	type	KW	Q m³/hr	H	m
	condenser pump	11	102	4	10
	chiller pump	14	81.7	40	10
	sanitary pump for 30m head	7	100	30	10

02-06-00546	Boiler					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					
02-06-00547	inter com system withall accissorice					2
02-06-00548	Wall clock with seconds indicator					2
02-06-00549	talephone-intercom					2
02-06-00550	Air compressor					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					

02-06-00551	Medical oxygen units					6
	1-compressor					
	2-air seperation unit + msun					
	3-stirling cryogenerator					
	4-500 liter storage vessel with level control					
	5-super charger with clyinder 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.					

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

02-06-00553	Mini bus					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 heavy duty					
	spare part for tow years					

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

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

02-06-00556	garbage collection vehicle				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- containier 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				

02-06-00557	Eleveters					
	1-technical opecifications					
	a-full electronic control sistern for operation and level selection containing all necessary equipments for protection and supervision					
	b-type of control 3V -3F,elevater continioys 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 necessity 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 tempreture 0-50C and 90% hum					
	f-the system contain data terminal (pc-bored)for operation maintenance, diognosis ,reed programs and reprograming,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.					
	type	180 kg	500 kg	750 kg	1000 kg	1200 kg
	passenger	—	70	70	60	—
	bed lift	—	—	—	—	60
	service	4	—	36	—	—

02-06-00558	Medical oxygen plant					200
	1-compressor					
	2-air seperation unit+ msun					
	3-stirling cryogenerator					
	4-500 liter storage vessel with level control					
	5-super charger with clyinder 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- maintenace (2)tow years after warrenty					
	17- 5 years spare parts					
	18- training of engineering staff in the factory					

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

02-06-00560	cooling for operating room				
	Air conditioning equipment for operating theaters as following				
	Cooling capacity				
	1- air conditioning 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 consisty at				
	1- air cooled condensor				
	2- cold water pumps				
	3-exhaust 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				
	capacity				qty
	2 ton				24
	5 ton				86
	10 ton				18
	15 ton				20
	20 ton				16

02-06-00561	digital ISDN network				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				

02-06-00562	specification of fire fighting system (automatic - sprinkler system)				
	design manfacutre 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				6
	2- effective warehouse area 12500m2 , height 6m				2
	3- effective warehouse area 2000 m2 , height 4.5m				14
	4- effective warehouse area 2500 m2 , height 11m				2
	5- effective warehouse area 10000 m2 , height 5m				2
	6- effective warehouse area 25000 m2 , height 14m				2
	7- effective warehouse area 20000 m2 , height 8m				2
	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 extination and fir caben with hose				
	l- spare parts for 3 years				
	j- warrnnty one year (label + material) and two year mantinance				
	k- training of factory of equipment for 3 technicians				

02-06-00563	transformer				
	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 catalag for the pump							
	2- 5 years spare part							
	3-training for the staff							
	4-grante for one year operation							
	5-installation for one site.							

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

02-06-00581	water pump for tower						
	kw	r.p.m	suction mm	discharge mm	capacity l/s	head m	QTY
	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

02-06-00582	boiler feeding pump						
	kw	r.p.m	suction mm	discharge mm	capacity l/s	head m	QTY
	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

02-06-00583	chemical dosing pump						
	kw	r.p.m	suction mm	discharge mm	capacity l/s	head m	QTY
	0.3	—	12	12	5.5	20	24
	0.5	—	25	25	3	80	44

02-06-00584	horizontal pump						
	kw	r.p.m	suction mm	discharge mm	capacity l/s	head m	QTY
	2.2	1500	38	38	7	90	96
	5.5	1500	51	51	15	75	12

02-06-00585	vertical pump						
	kw	r.p.m	suction mm	discharge mm	capacity l/s	head m	QTY
	4	1500	150	150	118	10	16
	18.5	1500	51	51	51	85	24
	2.2	1500	38	38	7	90	8

02-06-00586	circulation pump						
	kw	r.p.m	suction mm	discharge mm	capacity l/s	head m	QTY
	1.5	1500	18	18	4	20	8
	1.8	1500	76	63	70	8	32
	4	1500	76	51	26	40	84

02-06-00587	submersible pump						
	kw	r.p.m	suction mm	discharge mm	capacity l/s	head m	QTY
	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

02-06-00588	fire pump						
	kw	r.p.m	suction mm	discharge mm	capacity l/s	head m	QTY
	0.37	3000	38	38	2	42	16
	7.5	1500	51	51	20	30	120
	37	1500	100	76	51	66	20
02-06-00589	water pump for heating						
	kw	r.p.m	suction mm	discharge mm	capacity l/s	head m	QTY
	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

	ware house requierment			
02-06-00590	folding end trolleys capacity 150 kg			200
02-06-00591	manual and electrictric stackers capacity 250 kg			40
02-06-00592	folding work shop caranes capacity 1000 kg at 1 m			40
02-06-00593	cylinder trolly capacity 200 kg			100
02-06-00594	sterilizing water for theter room ultraviolet water purifiers			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			

02-06-00595	VEHICLE PICK-UP DOUBLE CABIN			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			

02-06-00596	digital camera			4
02-06-00597	video projector			4
02-06-00598	CD-player			4
02-06-00599	air handlig unit			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			

	air handlinunit				
02-06-00600	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				
02-06-00601	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				

02-06-00602	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 handling 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
02-06-00603	10	137980	11700	60	rase 60 ase 60 gle krra	rabr 13 30/72	2 2	1500x13 1800x13	3 2	51597	10	30	2
02-06-00604	4	72245	5700	25	rabr-b 25/62	—	2 2	1300x13	2	47318	—	—	2
02-06-00605	20	173900	1800	60	rase 60	rabr b 35/80	2 2	2240x17 1800x13	4 2	52479	10	35	2
02-06-00606	25	296142	22500	70	rase 70	rae-40-nppb	2 2	2430x17 1500x13	2 2	85995	10	40	2
02-06-00607	7.5	143543	11900	45	rase 45	pase 35	2 2	1500x13 1320x13	2 2	57330	10	30	2
02-06-00608	7.5	157515	13000	45	rase 45	rabr b 30/72	2 2	1500x13 1320x13	2 2	47593	10	30	2
02-06-00609	10	67780	14500	60	rase 60 ase 60 gle krra	pase 45	2 2	1500x13 1412x13	3 2	17000	4	45	2
02-06-00610	5.5	46343	8600	30	rabr-b 30/72	rabr-b 30/72	2 2	1320x13 1320x13	2 2	48040	3	30	2
02-06-00611	5.5	51595	8800	30	rabr-b 30/72	rabr-b 30/72	2 2	1320x13 1262x13	2 2	3500	3	30	2
02-06-00612	5.5	41254	7000	30	rabr-b 30/72	rabr-b 25/62	2 2	1262x13 1262x13	2 2	20700	3	25	2
02-06-00613	7.5	73430	11500	45	pase 45	rabr-b 30/72	2 2	1562x13 1250x13	2 2	44300	4	30	2
02-06-00614	5.5	59454	9400	30	rabr-b 30/72	rabr-b 30/72	2 2	1250x13 1000x13	2 2	29200	4	30	2
02-06-00615	7.5	59525	9400	30	rabr-b 30/72	rabr-b 25/62	2 2	1437x13 1202x13	2 2	55000	2	25	2
02-06-00616	4	31950	5700	25	rabr-b 25/62	rabr-b 25/62	2 2	1412x13 1180x13	2 1	7500	1.5	25	2
02-06-00617	7.5	149604	12000	45	pase-45	—	2 —	1857x13	2	45200	—	—	2
02-06-00618	7.5	80396	13000	45	pase-45	pase-45	2 2	1582x13 1412x13	2 2	69560	5.5	45	2
02-06-00619	10	86580	14000	60	rase 60 ase 60 gle krra	pase-45	1 2	1582x13 1337x13	3 2	74500	4	45	2
02-06-00620	10	91436	15000	60	rase 60 ase 60 gle krra	pase-45	1 2	1632x13 1400x13	3 2	78498	4	45	2
02-06-00621	7.5	86213	13700	45	pase-45	pase-45	2 2	1582x13 1337x13	2 2	71292	4	45	2
02-06-00622	10	69995	13000	60	rase 60 ase 60 gle krra	pase-45	1 2	1582x13 1400x13	3 2	38000	4	45	2
02-06-00623	7.5	76386	14000	45	pase-45	pase-45	2 2	1582x13	2 2	46500	4	45	2

02-06-00652	FIER ALARM SYSTEM							
	design manufacture deliver and installation of fire alarm system with the following specification and quantities							
	a)specification :							
	1- the system should be 2- wire installation							
	2- the system should be able to be connected to data network or telephone exchange and recorder							
	3- the system should contain repeaters for stopping air conditioning and spare							
	4- each zone contain about 20 delectors and one glass break unit							
	5- the system should contain one central control and indication unit and branches units							
	6- each system contain PC unit for operation and maintenance and programing if necessary							
	7- the detectors should be from smoke heat and temp rise type							
	b) quantities :							
	no. of system							no. of zone
	40							10
	50							20
	40							30
	40							40
	40							60
	c)							
	1- one year warrenty from date of operation and tow years maintenece after period of warrenty							
	2- spare partes for 5- years							
	3- full sets of ducomants and catalogues and diagrams							
	4- training on factory of equipment and local training during installation							

	air handling unit						
	dimention m	fan speed r.p.m	fan motor hp	air volume m3/hr	model	mater. No.	qty
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 inverter
- 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	centrefugal 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 apressure of 11kg/cm2						20
02-06-00679	air compressor with cylinder 0.07 m3/min capac. At apressure 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 progector							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	locati on	summer			winter (heating coil)										blower					circulation water pump kw	electrical characteristic		
			amb. Temp wb c	press. Nozzle m.w.g	water circul ation 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 e	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 capacity m3/hr	no. req	pressure drop mm.w.h	input kw	electric v/ph/hz

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

02-06-00737	hood							
	stainless steel hood used for labortary to be installed above sterilizer with following dimension 1500x600							2
02-06-00738	water cooler							56
	40 l/h cooled to 10 c							
	electric supply 220/1 ph/50							
	stainless 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							
02-06-00739	window type 2 ton with heater capacity 3.6 kw							4
02-06-00740	window type 1.5 ton with heater capacity 3 kw							4
02-06-00741	window type 1 ton with heater capacity 2.6 kw							10
02-06-00742	split unit 2 ton with heater capacity 3.6 kw							2
02-06-00743	x-ray window 1.5x1.2m w/load glass							6
02-06-00744	x-ray door fram 1.8x2.35 m w/load sheilding							6
02-06-00745	x-ray door fram 0.9x2.1 m w/load sheilding							6
02-06-00746	drinking water storge tank 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
02-06-00747	inclarator of 300 kg /hr							2
02-06-00748	bed lade unit							18 unit
	each one of bed hade unit comprifing the following							
02-06-00749	* general light 40 w with lamp							2
02-06-00750	* read light 20 w with lamp							2

02-06-00751	*cord pull switch with lamp for nurse call station							2
02-06-00752	* intercom unit							2
02-06-00753	* doubl switch socket 13A							4
02-06-00754	*exam light with lamp							2
02-06-00755	*extra examenstion light with lamp shipt 44 seperatly							88
02-06-00756	cold room							10
	temp.: -20C to +20 C							
	dimention (H 2.5 m- W3 m- L3m)							
	cold room 2 stage unites							
02-06-00757	santiry hot water with hot pump							
	power 3kw , rev 1450 sec , suction 79 mm, discharge 64mm, capacity 14 l/min , head 30m							4

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 dval 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							
	2) TANKS : Specifications							
	A – Gas Oil Tank							
	* Capacity: 10.0 KL. Gas Oil							
	* Type : Elliptical cross sectioned cylindrcial 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- Cesspool Emptier Tank						
	* 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						
	C – (Drinking Water Tank)						
	* 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 uropan 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 & meduim size crushed grains to pe used for animal food making with warranty for 2 years & mainterning 2 years

02-06-00763 mixer

4

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

Targeted Nutrition Programme

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

North of Iraq / health

02-06-00773	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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