

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	150
02-06-00002	1	10	3000	3.7	220 or 380V 50 HZ	200
02-06-00003	0.5	15	3000	3.7	220 or 380V 50 HZ	140
02-06-00004	1	22	3000	7.5	220 or 380V 50 HZ	200
02-06-00005	Equipment: Package unit complete 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
02-06-00006	Equipment: Air Cooled Chiller 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					100
02-06-00007	Equipment: Air Cooled Chiller Cap : 200 Ton Ambient Temp. 60C Water out let Temp 12 C Water in let temp 6 C Compress type semi hermetic Coil materiel : Copper tubes with element fins Fan type : Propeller Evaporator : Shell and tubs GSA use R-22 or R12 380 V 50 HZ					120
02-06-00008	Equipment: Window type air-condition with heater Cap : 2 Ton 24000 BTU GSA R-22 220 V 50 HZ , 3PH					15000
02-06-00009	Equipment Split Unit with heater Cap : 2 Ton GSA R-22 220 V 50 HZ , 24000 BTU					2000
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				150
02-06-00021	60x12	High Quality				1800
02-06-00022	75x12	High Quality				300
02-06-00023	90x12	High Quality				800
02-06-00024	110x12	High Quality				300
02-06-00025	130x12	High Quality				1000
02-06-00026	180x12	High Quality				800
02-06-00027	Equipment : Blood bank refrigerator 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					600

	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 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	50
02-06-00029	Equipment:- cooling tower Capacity :150 ton 200 ton 100 ton 50 ton Water temp. 38/ 30 Cú Complete cooling tower must be separate motor for each blower and will work in high Humidity wetter 60 % Humidity and total hardness is for water 500ppm Recommended spare for 5 years. Include complete motor Fin , belt,shaft, spray nozzle , bearing , blower , Nozzle , motor complete, ball float valve Training for engineer and tech. Complete catalog for spare part and operation maintenance catalog	15 30 25 10
02-06-00030	Equipment: Corps refrigerator 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	300

<p>9- Sufficient internal lighting automatically switches on when door opens</p> <p>10- Air curtain by the door operates automatically when door opens</p> <p>11- The stores shall be equipped with hangers that supports six removable trays which carry the human corpses, these trays shall be positioned on both sides of the stores three at each side . the under must tray shall be positioned within 15 cm from the floor with 75cm distance between the trays the tray dimension shall be 2m length, 75cm width</p> <p>B) REFRIGERATION SYSTEM</p> <p>Two independent refrigeration systems shall be installed, each being capable to maintain the required internal temperature at the specified ambient conditions</p> <p>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.</p> <p>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.</p> <p>C). ELECTRICAL SYSTEM</p> <p>System shall operate from single - phase, 220V, 50 HZ supply or from three- phase, 4 wire, 380V.</p> <p>D). SPARE PARTS</p> <p>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:</p> <p>No. Description</p> <p>1- compressor</p> <p>2- Evaporator motor fan</p> <p>3- Blades for evaporator</p> <p>4- condenser motor fan</p> <p>5- Blades for condenser fan</p> <p>6- Thermometer</p> <p>7- Thermostat & alarm thermostat</p> <p>8- High-low pressure cut out</p> <p>9- Oil pressure cut out</p> <p>10- Door gasket with heater</p> <p>11- Contactor for compressor</p> <p>12- Relays & electrical switches & klaxon</p> <p>13- Defrost heaters</p> <p>14- Automatic electric defrost</p> <p>15- Automatic alternator for reverse sequence</p> <p>16- Internal light bulb</p> <p>17- over load</p> <p>18- Expansion valve</p> <p>19- filter drier</p> <p>20- Fuses of different writings</p> <p>21- solenoid valve</p> <p>22- alarm horn</p> <p>23- micro switch & spare for air curtain</p> <p>24- operating switches</p> <p>E). TESTING AND GUARANTEE</p> <p>Tendered shall guarantee and maintain the freezers for aneroid of two years starting from the date of putting them in operation. All equipment shall be tested and outstanding technical problems shall be discussed & settled in the firm prior to the shipment of the equipment & in the presence of our engineer, tendered shall pay for the return air tickets of our engineer & bear all costs of his stay with the firm including full board & loading for aperiodof tow weeks</p> <p>F). TRAINING</p>	
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	<p>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.</p> <p>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.</p> <p>**NOTE** Load calculations & photos of freezing stores shall be sent with the offer</p>	
02-06-00031	Equipment : TRANSFORMER 220 V - 97 V	
02-06-00032	<p>Equipment : Vegetable and fruit cold stor Cold store for the purpose Noose walk in cold stores temperature ranging from (-5 c) to (+15 c) at the following ambient conditions : summer : DBT 50 C WBT 25 C winter : DBT 1C WBT -3 C Internal volume : not less than 50 cubic meters A) construction : 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 aluminium 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 p H , 4 wire , 380 V D) Spar parts</p>	300

	<p>An itemized and priced spare parts list sufficient for five 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 include the following items.</p> <p>No. Description</p> <p>1- compressor 2- Evaporator motor fan 3- Blades for evaporator fan 4- condenser motor fan 5- Blades for condenser fan 6- Thermometer 7- Thermostat & alarm thermostat 8- High-low pressure cut out 9- Oil pressure cut out 10- Door gasket with heater 11- Contactor for compressor 12- Relays & electrical switches & klaxon 13- Defrost heaters 14- Over load 15- expansion valve 16- filter drier 17- fuses 18- solenoid valve 19- alarm horn 20- micro switch & spare for air curtain 21- operating switches 22- alarm horn 23- micro switch & spare for air curtain 24- operating switches</p> <p>E) TESTING & GUARANTEE tender shall guarantee the cold stores for a period of two years starting from the date of putting them in operation. All equipment shall be tested & outstanding 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.</p> <p>F) Training :- Tendered shall train two persons on the repair and maintenance of the equipment for a period of one month in this firm. Tendered shall bear all costs in including air tickets.</p> <p>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.</p> <p>Notes:- 3- Medicines shall be brought in stores at around 38°C. 2-Quantity of store medicines is not less than 1500 Kg. 3-Load calculations shall be sent with the offer.</p>	
02-06-00033	<p>Equipment : computer 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</p>	7000

	<p>Super disk: internal 120 MB imation atapi IDE inter face with(100)boxes of diskettes</p> <p>UPS :400VA/250W</p> <p>Printers :</p> <ul style="list-style-type: none"> - DOT matrix : EPSON LQ 2170 arabic - LaserJet : HP- 6L - Inkjet (cooler) : HP-DESKJET 1120C 	
02-06-00034	<p>Equipment : Softeners</p> <p>Fully automatic softener and meter control</p> <ul style="list-style-type: none"> - 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. <p>supply complete catalog and drawing electric mechanical spare part and moutenance operation catalog.</p> <ul style="list-style-type: none"> - Training for 2 Engineers +2 Technician 	100
02-06-00035	<p>Equipment : Softeners</p> <p>Fully automatic softener and meter control</p> <ul style="list-style-type: none"> - Control panel ,Brine tank, with its interconnecting pipe system and all its additional accessories suitable for continuos soft water supply as following: - Max flow:-5M3/h - Resin:- strong cationic resin sodium base - Power supply :- 220V or 380V 50 HZ - Hardness treated water 0oFTH - Presume drop :- 8 MWG - Operating pressure :- 2 to 6 bar - Recommended spare part for 5 year with complete quantity of exchange resin. - Recommended spare part for 5 year with complete quantity of exchange resin. <p>supply complete catalog and drawing electric mechanical spare part and moutenance operation catalog.</p> <ul style="list-style-type: none"> - Training for 2 Engineers +2 Technician 	100
02-06-00036	<p>Equipment : hospital lift complete</p> <p>QTY As below</p> <p>Site:-saddam Medical city general hospital</p> <ul style="list-style-type: none"> 1- hospital standard 24- Passengers Plain bed, side open door 21 floor Stainless steal doors with all parts need to replace existed lifts (erection and operating) for medical city 2- As above but bed lift 4-Floor for Saddam General Hospital 3- As above but 6- Passengers 4- Floor for Saddam General Hospital 4- As above but 6- Passengers 7- Floor center open for Central Child Hospital 5- As above but bed lift 7- Floor for Central Child Hospital 6- Cargo lift 2 floors load 4000Kg side opening dons for Basra drug stores 7- As above but 1400 Kg 7-Floor for Saddam Teaching Hospital in Basra 8- As above bedlift but 1800 Kg 2- Floor for Tahreer Hospital and Basrah Funeral Hospital. 	<p>2PCS</p> <p>2PCS</p> <p>4PCS</p> <p>6PCS</p> <p>4PCS</p> <p>2PCS</p> <p>4PCS</p> <p>10PCS</p>
02-06-00037	<p>Fork Lift (2Ton)</p> <ul style="list-style-type: none"> 1.DIESEL ENGIN 4 CYLINDER WATER COOLED 2.BATTERY 12V 3.NORMAL HYDROLIC GEAR 4.MAX HIGHT 3.5M 	100
02-06-00038	<p>Absorption chiller</p> <p>550 TON</p>	60
02-06-00039	<p>High tension switch gear</p> <ul style="list-style-type: none"> 1-aircircuit breaker 1600A AH-16B 2-aircircuit breaker 1600A AH-30C 3-batery 100V QSC-SOE 4-batery 24V AMH--SOE 5-printed circuit breaker AED-6A 	<p>6</p> <p>6</p>

	6-printed circuit breaker D2-100 7-high VGE oil labricant 11KV	4800LT
02-06-00040	Paging system 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	100
02-06-00041	Equipment: Freezers 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	800
02-06-00042	Equipment: Vaccines and medicines refrigerator 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	2000
02-06-00043	Equipment: kitchen equipment Company / manufacture: European Site:saddam medical city Mobile sink capacity 220 liter dimension 800X600X500mm total high 650 mm	15
02-06-00044	Mobile sink capacity 220 liter dimension 800X600X500mm total high 650 mm	15
02-06-00045	Equipment: Steam Boiler for heating (5 ton/hr) 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.	100

5. feed water pressure gauge.
6. Burner control sensors.
7. water level /feed pumps controls.
8. pressure control
9. Blow down valve suitable for timed automatic operation in conduction with timer unit.
10. 2-boiler feeding pumps with electric motor designed specified

boiler capacity at 10 bar.

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

B- BOILER FLUE GAS DUCTING

1. The sub-Contractor shall supply, install and commission flue gas ducting (chimney) terminating in a suitable clown above roof level. Height (above floor level) 5m.
2. The "nominally" horizontal flue gas ducting shall be infect be in stalled "to fall ",rising slightly ,towards the main vertical chimneys.

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

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

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

1. The sub-contractor shall supply ,in stall ,test ,and commission a feed water tank at high level in the plant room supplied as a complete package.
2. The tank shall be constructed of sheet steel with welded joints and will be supplied complete with all necessary channel iron wall and floor supports thickness 5mm.
3. The tank shall have a minimum capacity of 3000 liter's, complete with following features and fittings etc:
 1. 500mm bolted access manhole
 2. Glass water level gauge.
 3. water level control electrodes and associated solenoid valve for make-up water.
 4. Sprague pipes for condense return below water level.
 5. spray pipes for direct steam injection below water level for preheating feed water at boiler start-up, complete with 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

	<p>Nos. Fuiiy Automatic Multi-Pass Steam boilers with leotrical and mechanical control ,pumps ,safeties with Auxiliaries According to the international standards and regulations for steam boiler under the following specifications :</p> <p>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</p> <p>The following item must be included</p> <ol style="list-style-type: none"> 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 <p>water supply : 0.5 bar domestic water pressure</p> <p>Analysis:</p> <ul style="list-style-type: none"> -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 <ol style="list-style-type: none"> 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	<p>EQUIPMENT : HOT WATER BOILER (1 TON/Hr)</p> <p>rotng : 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</p> <ol style="list-style-type: none"> 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 	300
02-06-00048	TYRE 600X 14	2700
02-06-00049	700X 15	1600
02-06-00050	750X 16	5000
02-06-00051	1200X 20	3800
02-06-00052	1200X 24	1600
02-06-00053	3007436/007	126
02-06-00054	3007436/004	126
02-06-00055	2003087/001	60
02-06-00056	2003087/002	60
02-06-00057	BATTERY 60 AMP	6000
02-06-00058	90 AMP	1000
02-06-00059	135 AMP	1700
02-06-00060	540 AMP	400
02-06-00061	530 AMP	70

02-06-00062	30	700
02-06-00063	200	800
	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	
02-06-00064	Equipment: kitchen equipment Company / manufacture: European Site: saddam medical city 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	40
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	

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	30
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	30
02-06-00074	Potato peeler mounted on astounds, 3 pH, .5 KW dimensions approx. 500X750X 1000mm capacity approx. 28 l Bs /load materials stand of cast iron cylinder of aluminum	15
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	30
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	25
02-06-00077	Food cutter 3pH 380 V 50HZ dimensions approx. 750 X600X500mm capacity volume of bowl 11liter speed of bowl 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	30
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	35
02-06-00079	Universal kitchen machine 1 pH dimension space required 370X270X500mm material casing of light alloy accessories mixing attachment 20 liter bowl capacity meat miner with 3, 4 ½ , 13mm cutting plates and one four bled knife mashing machine	30
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	40
02-06-00081	Equipment : Absorption chiller 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	30
02-06-00082	Equipment : Centrifugal electrical chiller Site/saddam Medical city Replacement to 17FA carrier Capacity : 1000TR nominal.	30

	<p>Compressor : Hermetic motor - compressor out put- 1000HP Volt- 380 V , 3PH, 50 HZ full automatic load control full protection .</p> <p>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</p> <p>condenser: model FAZZ in out temp. (Co) : 29.4- 35.5 flow (L/S) : 170.3 tube velocity (M/S) : 2.6 pass no. : 2 tubes -tube length (m) : ZZBWG - 3.7</p>	
02-06-00083	<p>Equipment : Centrifugal electric chiller Site/saddam Medical city Replacement to 17 DA carrier capacity : 3000 TR nominal Motor : out put : 2240 KW - 3000 HP voltage : 11000V , 3PH RPM : 1488 AMP : 138 compressor : model 17 DA - 74 B.H.P : 2234.86 KW drive H.P: 2240 KW speed increase : 5439/ 1488 cooler: model 17 DA - 73-ZZ tube length (m) : 6.7 flow (L/S) : 311.6 in out temp (Co) : 12.5 - 4.38 no. of tubes : 1410 condenser : model 17DA - 67 tube length (m) : 4.6 flow (L/S): 471.9 in out temp (Co) : 29.4- 35.9 no. of tubes : 1801 no. of tubes for economizer : 199</p>	10
02-06-00084	<p>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</p>	40
02-06-00085	<p>Equipment : air compressor with motor Site/saddam Medical city diesel starting motor : 2.6 KW , 3PH, 380V, 50HZ, 1500 rpm 0.065 m3/min 2.3 CFM max working pressure: 3200 PSI,</p>	30
02-06-00086	<p>Equipment : Incinerator 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 content of unburnt 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 .</p>	500

	<p>capacity :100K/hr</p> <p>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 :main storage fuel oil tank made from steel plate , sand plastid and provided with protecting paint, capacity : 10000lt and daily fuel tank 1000lt spare part : itemized and priced spare parts list sufficient for five years. training: for tow engineer and tow technetium in your factory for the period of three week.</p>	
02-06-00087	<p>Equipment : kerosene refrigerator 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 .</p>	600
02-06-00088	<p>Equipment : meat cold store 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 andshall have an external lock with keys . Door handle can be operated from inside and outside low voltage heater wire strip with electrical control shall ne provided apush - button shall be fitted inside to sound an alarm in case a person is trapped inside . 6- shelves and hangers shall be made of strong rust - proof materials . Shelves shall be grid type thre quarters of the space shall be pccupied by she lves the rest by hangers . 7- Light weigh shade to protect the cabinet from rain and sun to be fitted or top of it shape size and material of shade shall be suggested by tenderer 8- dial thermometer 9- audio and visual alarm for high temp . 10- sufficient interaal lighting automatically switdes on when door opens 11- air cur ain the door operates automatically when door opens B- REFRIGERATION SYSTEM</p>	600

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

B: TRAINING :

tenderer shall train two persons on the repair and maintenance of the equipment , each person for a period of one month in his firm tenderer shall bear all costs including return air - fair , full - board lodging and any other expenses .

C : INSTALLATION :

tenderer shall make complete installation of all cold stores and freezers except civil works such as concrete base - all materials any offer not including complete installation shall be rejected .

	NOTES 1-fresh meats shall be brough in stores at around 35 OC . 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 SITE: SADDAM MEDICAL CITY BUSWAYS, 1600 AMP. RATING . AS ABOVE BUT BETWEEN MV MAIN SWITCH BORD NAD TO 9- CHILLERS EACH 1500 AMP. FLC	2000 METERS
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	15
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.	10
02-06-00092	Mechanical Governor control	15
02-06-00093	Water pump	20
02-06-00094	cooling tower 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	70
02-06-00095	H.T. System 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 incldudring 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	90

02-06-00096	SHORT LIST FOR MATERIALS FOR CENTER OF NEUROLOGY (EQUIPMENTS AND SPARE PARTS AND ALL ACCESSORIES) Materials for mechanical works Centrifugal or reciprocating water chiller 230 ton	10 Including refrigerant gas
02-06-00097	A.H.U W/accessories	30
02-06-00098	Condenser Evaporate and Boiler pumps	25
02-06-00099	Heap filter(60 x60cm)for O.R	300
02-06-00100	Perforated diffusers for O.R	15 4-3x3m &5 - 3.2x3.2m
02-06-00101	El.Bd. W/temp and humidity sensors for O.R	25
02-06-00102	MATERIALS FOR SANITARY WORKS Central medical gases system	5 Lot
02-06-00103	Stainless steel scrub-up basins	15 W/accessories
02-06-00104	Oxygen plant	5 lot
02-06-00105	MATERIALS FOR ELECTRICAL WORKS Nurse call system	5 lot 13n.st W/accessories
02-06-00106	Bed head unit	300 Different types
02-06-00107	Fire alarm system	20 lot Sys. W/accessories for 12 zones
02-06-00108	Central clock system for O.R	lot 5 - master plus 10 - slave
02-06-00109	Generator set (800 KVA)	5
02-06-00110	Bed passenger lift	10
02-06-00111	Sound reinforcement system	5 Lot
02-06-00112	Emergency exit light	70
02-06-00113	UPS system	20 3-5kw plus 3-7kw
02-06-00114	Sparkles switch socket	150 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	5002M W/accessories and adhesives
02-06-00119	Equipment : pumps Company name : Guinard France Description -Complete pump+motor (NE 6x16) Q=100 m3/hr H=30-23 Kw 15 3ph , 400V	60

	COs Q 0.89 r.i.p. = 2995	
02-06-00120	-set of repining kit for the pump (NE 6 x16)	70
02-06-00121	Complete pump + motor (NE3 x16) Q= 15 m3/hr H=30m 3ph COs Q 0.9, r.p.m=2850 400V	60
02-06-00122	-Set of repining kit for the pump (NE 3x16)	80
02-06-00123	Accessories Microtck scanner A3 size (color)	10
02-06-00124	Printer HP Desk jet 890C	10
02-06-00125	Digital Camera (Sony)	10
02-06-00126	Video in card (MPWGENCODER)	5
02-06-00127	Plotter A0 size (Disk jet color)	5
02-06-00128	Multi Media Projector	10
02-06-00129	Jackboot (20 CD changer) for Libra	5
02-06-00130	Copy Machines Minolta photocopy machine 2080	10
02-06-00131	Kiss graph machine copy speed (60-130 copy per minute) GR-1750 or GR-3750	5
02-06-00132	Video and calling system requirement Video camera digital with motorized connected to the current system	120
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 -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	40
02-06-00140	Equipment:- water softener 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	50
02-06-00141	Equipment:- Package unit package complete which supply cool air directly by duct to the building 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	300
02-06-00142	petium 333MHZ MMX (INTEL) COMPLIANT WITH YEAR 2000 (XION) MINITOWER CASE 64MB RAM (512CACHE) UP TO 5GB HDD 15" SVGA MONITOR WITH 8MBAGP CARD (SVGA)	100

	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 mother board intel corporation with cpu bios american megatrend inc (AMI) ram memory micronics . Or kingston technolgy corp hard disk seagate technology inc . Or western digital corb monitor sony electronics inc.or samsong electronics america floppy disk drive teak america inc.or mewlett packard keyboard & mouse microsoft corp multimedia kit creative labs CD-rim panasonic communications& system co fax-modem card hayes micro computer products inc	
	Equipment:fan coil unit	
	COMPANY NAME: wesper	
02-06-00143	COMPLETE FAN COIL TYPE V.P.N 61 SINGLE SHAFT	1200
02-06-00144	COMPLETE FAN COIL TYPE V.P.N 81 DOBLE SHAFT	660
02-06-00145	COMPLETE FAN COIL TYPE V.A.C 41 SINGLE SHAFT	75
02-06-00146	COMPLETE FAN COIL TYPE V.A.C 81 DOBLE SHAFT	55
02-06-00147	COMPLETE FAN COIL TYPE V.A.C 111 DOBLE SHAFT	55
	SPARE PART FOR 5 YEARS INCLUDING THER MOSTAT MOTOR SELECTOR SWITCH catalog for the spare parts, models ,maintenance and operation TRAINING for our STAFF engineers	
02-06-00148	EQUIPMENT CHILLER 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..	200
02-06-00149	WATER COOLER COMPLATE WITH ¼ OR 1/3 HP COMPRESSON 50HZ SINGLE PHASE 220V SYEARS SPARE PART TRAINING FOR ENGINEER AND TECH	5000
02-06-00150	Equipment :- Window unit Air condition with heater	7000

	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	1000
02-06-00152	Equipment :- deep freeze Deep freeze complete unit flat type inside temp. required :- 40 Co , size: 500 LT 220V , single, phase 1 , 50 HZ spare part for 5 years training for engineer and tech Supply catalog spare part and operation and maintenance	600
02-06-00153	Equipment :- chiller Air cooled Capacity :- 80 ton Ambient temp :55Cú Water inlet : 6 Cú Water outlet : 12 Cú 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)	700
02-06-00154	Equipment:- cooling tower 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 :- 41Cú Water out :- 32 C ú Spare part for 5 years Training for engineer and tech Supply catalog for operation and maintenance and spare part list.	70
02-06-00155	Equipment:- cooling tower Capacity :80 ton Water temp. 38/ 30 Cú 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	50
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	1for 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)	3 for the North
02-06-00158	SPECIFICATIONS FOR BLOOD REFRIGERATOR CARS BIAS VEHICLE _ ENGINE:(4-6) CYLINDER PETROL ENGINE WATER COOLED CAPACITY 2600CC AND MORE TRANSMISSION: MANUAL GEAR BOX 4- SPEED WITH ONE REVERSE FLOOR SHIFT	170

DRIVE : FOUR WHEEL DRIVE THE REAR AXLE EQUIPPED IN EACH SIDE DOUBLE WHEEL

BRAKE: DRUM BRAKE IN EACH WHEEL WITH BOOSTER ASSIST PARKING BRAKE TO BE CONTROLLED BY HAND GETTING ON THE REAR WHEELS

- STEERING: POWER STEERING LEFT HAND DRIVE
 - SUSPENSION: HEAVY DUTY LEAF SPRING IN EACH REAR AND FRONT WHEELS
 - GAUGES: ALL IN METEORIC SYSTEM .
 - AIR CONDITION AND HEATING: TO BE SUPPLIED FOR DRIVER CAB
 - CAB: DOUBLE CABIN
- FRAME AND CHASSIS :- TWO PARALLEL CHANNEL CHASSIS

- ELECTRIC EQUIPMENT: HEAVY DUTY 12 VOLT 75 AMP /H BATTERY

ANTENNA
INSTALLATION OF RADIO ANTENNA IN EACH AMBULANCE AT THE ROOF.

WIRELESS EQUIPMENT: EACH AMBULANCE EQUIPPED WITH RADIO (WIRELESS COMMUNICATION DEVICE).

- LOAD CAPACITY: THE VEHICLE CAN CARRY NET WEIGHT NOT LESS THAN 1000 KG
- SIREN AND BEACON: THE CAR EQUIPPED BY BEACON LONGITUDINAL IN UPPER FRONT OF THE CAR AND EQUIPPED BY DEVICE FOR COMMUNICATION
- ASSESSORS: JACK AND HANDLE, WHEEL RING, HAZARD TRIANGLE
- SPARE TYRE (DOUBLE TYRE)

TWO GENERATORS SET TO BE AVAILABLE EACH ON CAPABLE TO OPERATE CONTINUOUSLY FOR SIX HOURS CAPABILITY OF CONNECTING REFRIGERATOR AND FREEZER WITH EXTERNAL ELECTRICAL SOURCE INCLUDING (CABLE 100M LENGTH WITH THREE OUT LET AND ANOTHER ELECTRIC Accessories AVAILABLE ALL THE TIME IN THE CAR)

BLOOD BOX COMPARTMENT

THE BOX WILL BE ENOUGH TO CARRY THE FOLLOWING:

- TWO BLOOD REFRIGERATOR (VERTICAL TYPE) EACH CAN CARRY 100 UNIT OF BLOOD BAG
- TWO DEEP FREEZER (VERTICAL TYPE) EACH CAN CARRY 150 UNIT OF BLOOD DERIVATIVES

INSIDE TEMP FOR REFRIGERATOR + 2C TO +6C

INSIDE TEMP FOR DEEP FREEZE -30 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 DRIVER CAB

TEMPERATURE THERMOMETER MUST BE PROVIDED ON THE REFRIGERATOR AND FREEZER AND WILL BE SHOWN ALSO IN DRIVER CAB

DAY RECORDER ON EACH REFRIGERATOR AND FREEZER

EACH refrigerator and FREEZER have TWO SEPARATING COMPRESSOR (ONE WORK and ANOTHER STAND BY)

- EACH REFRIGERATOR AND FREEZER HAVE STAINLESS STEEL STEADY DOOR (NOT GLASS)

- AUTOMATIC DEFROSTING FOR EACH REFRIGERATOR AND FREEZER 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 CARRYING IN EACH ITEM .AND EQUIPPED BY TWO REAR DOOR OPERABLE TO THE SIDE RECOMMENDED SPARE PARTS FOR 5 YEARS TRAINING FOR TOW ENG. TOW WEEKS AND ONE DOCTOR(physican) FROM BLOOD BANK FOR TWO WEEKS					
02-06-00159	Equipment Gas Boiler 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 part scatalog - Training of our staff in manufacture factory					60
02-06-00160	Centralized cooker s					15
02-06-00161	Bata peeling machine					15
02-06-00162	Tomato press					15
02-06-00163	Horizontal Deep freeze 16" foot					15
02-06-00164	Washing machine laundry					15
02-06-00165	Press					15
02-06-00166	Betts for Iron roller					200
02-06-00167	Pentium 2 Intel					250
02-06-00168	CPU 333 MHz with cache RAM 128 MB					250
02-06-00169	Hard disk 9 GB					250
02-06-00170	SVGA card 4 MBV RAM					250
02-06-00171	17" color SVGA monitor					250
02-06-00172	Screen filter					250
02-06-00173	LAN card 32 Bits					250
02-06-00174	CD –Drive 34 X					250
02-06-00175	Sound D32 Bit 3 D					250
02-06-00176	HP laser jet printer 6p++10 extra toner					250
02-06-00177	Modem Fax card (56.6) KBPS					250
02-06-00178	English/Arabic KB (104 Keys)					250
02-06-00179	MS mouse					250
02-06-00180	Mouse –Peed					250
02-06-00181	3.5 FDD HD					250
02-06-00182	HP Laser jet printer					250
02-06-00183	Extra Black Toner					400
02-06-00184	FORK LIFT (5 TON) 1. DIESEL ENGINE 4 CYLINDER WATER COOLED 2. BATTERY 12V 3. NORMAL HYDRAULIC GEAR 4. MAX HEIGHT 3.5M					100
PACKAGE UNIT (AIR COOLED) SCHEDULE						
Cod	No. Req	Summer				
		Cooling load kcal/H		Evaporate temp C		
	Qty	Effective sensible load	Total load	Entering		
				D.B	W.B	
02-06-00185	5	65700	98400	28	17.5	
02-06-00186	5	55200	81900	33	19.8	
02-06-00187	5	19400	28200	28.4	17.5	
02-06-00188	5	29670	44100	28.4	17.5	
02-06-00189	5	12510	18150	28.4	17.5	
02-06-00190	5	41000	50500	28.4	17.5	
02-06-00191	5	12510	18000	28.4	17.5	
02-06-00192	Size of clinker /1st stage 406. 4mm (16") tow					10set
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)					10set

	J 22490 , JJ2439Cable address : Iho Toko - Installed & Commissioning by: Toko Bussan Co. Lt. Twix 242- 2914 Fax 03-423 – 4821	
02-06-00194	Teflon Pistonring 2nd Stacie cood No. E238201	90
02-06-00195	Teflon Piston ring ist stage cood No. E148201	75
02-06-00196	Bull Ring 2nd Stage cood No. E238202	65
02-06-00197	Piston Assy Ist stage cood No. E141600	15
02-06-00198	Discharge valve seat	420pcs
02-06-00199	inlet valve seat	360
02-06-00200	I- Typethermometer (0-100C)	20
02-06-00201	L- Type Thermometer (0-200C)	20
02-06-00202	THRENAY SOLENOIO VALVE	30
02-06-00203	Oil preserve	20
02-06-00204	Chain over suttee	20
02-06-00205	AIR Pressure switch cood No. G319968	20
02-06-00206	Temperature switches (120-215C) cood no. G631301	20
02-06-00207	Crank shat Assy cood No. D266700	10
02-06-00208	Oilier PIN cood No.	40
02-06-00209	Retaining Ring cood No. D26706	40
02-06-00210	Bearin6 collar cood No. D260707	40
02-06-00211	Bearing Coeur cood No. D260708	40
02-06-00212	Collar cood No. D260709 Flintier	40
02-06-00213	Filigree cood no. D260710	40
02-06-00214	Bolt cood no. D110711	40
02-06-00215	Key cood No. D260712	40
02-06-00216	Oilier sleeve cood no. D260713	40
02-06-00217	Bearing cood No. 0.0260714	40
02-06-00218	Bearing cood No. D260715	40
02-06-00219	Connecting Rods cood No. D111400	40
02-06-00220	Ding end Bolt cood No. D111403	40
02-06-00221	Caste Nut Cood No. D111404	40
02-06-00222	Crank pin Bearing Cood. No. D111406	40
02-06-00223	Wrist P/N Metal cood No. D111407	40
02-06-00224	Cloture P/N cood No. D961814	40
02-06-00225	Cross Head Assy Cood No. D111300	40
02-06-00226	Wrist P/N covers cood No. D111 303	40
02-06-00227	Wrist P/N D111304	40
02-06-00228	Lockwasher Cood no. D111305	40
02-06-00229	Bolt Cood No. 0430765	40
02-06-00230	Destine Rod cood No. E121606	40
02-06-00231	Precision control thick meter 0-3005 Freq. 0-4000	40 40
02-06-00232	Thermos couple for outlet and inlet Tem.	40
02-06-00233	Tem. Controllor T 675A	40
02-06-00234	Ceramic filter	40
02-06-00235	Flexible hose for tank lorry	10
02-06-00236	Ball valve for pump (tank lorry)	10
02-06-00237	Pump Assy for tank lorry	20
02-06-00238	Flexible hose for filling station	10
02-06-00239	Complot O2 valve for oxygen cylinder type G11	300
	Water pump Manufacture: old type LEF1: any anther new model Equipment to the following old pump good quietly	
	Article	Qty of repair kit
02-06-00240	Contifagal pump with motor complete old model : B125/25 name Q forte (m3/h) ; 95 380volt, 50HZ, 3PH	90
02-06-00241	Centrifugal pump with motor complete old model :- B 125/20 N Q floweret 9m3/h0:160 Head:- 26m volt 380 50hz 3ph	90
02-06-00242	Centrifugal pump with motor complete old model :- B125/30 Q floweret m3/h : 182 Head:- 21m Volt:- 380 , 50Hz 3ph inletpipe inch :- 5 outlet pipeinch;-4	90
		Qty of complete pump 30 30 30

02-06-00243	Centrifugal pump with motor complete old model :- B125/25 Q floweret m3/h:- 95 Head :- 17m Volt 380, 50Hz, 3Ph	90	30
02-06-00244	Centrifugal pump with motor Old model :- B125/30(Hot water) Q floweret (m3/h):- 99 Volt:- 380,50 Hz, 3ph	90	30
02-06-00245	Centrifugal pump with motor old model :- B40132 R.P.M= 1450 Q floweret m3/h =14 Head :- 25 volt;- 380 Hz = 50 pH: 3	40	30
02-06-00246	Centrifugal pump with motor Old model :- B80 /35 Qflowrate :- m3/h 50 volt:- 380 , 50Hz,3ph	25	10
02-06-00247	Centrifugal pump with motor old model :- B125/35 Q floweret (m3/h) :60 volt:- 380 50Hz, 3ph	25	10
02-06-00248	Centrifugal pump With motor old model :- bob 80/25 Q floweret m3/h :59 volt:- 380 , 50Hz,3ph	25	10
02-06-00249	Electric sewage pump head :- 15-20 380volt: 50Hz,3ph supply complete maintenance and operating installation catalog and spare part Catalan training of our staff in maintenance factory	40	20
02-06-00250	Drying tumbler Capacity 15 Kg/load (dry weight) 3 load /hour Heating by electrical element drum stainless steel 18/8 timer and thermo stat controlled inter connection to 380v 50hz 3ph spare part list for 3 years operation in stallation repair and spare parts manual with each Training tow engineers for 3 weeks in the factory		400
02-06-00251	Press Capacity 20 kg Stainless steel inner for drum Automatic operation pnoanamebel 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		300
02-06-00252	Steam dryer capcity 50kg dry /load with 3 load /hr heating : steam (6-8) bar reverse rotation cylinder inter lock door timer control indication lamps and any other necessary inlet and out let flexible steam pipes exheust flexible pipe 6m for operation installation repaier and spare parts manual with each connection to 380 V 50 HZ 3PH		400
02-06-00253	iron steam 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 spare part list for 3 years operation in stallation repair and spare parts manual with each Training tow engineers for 3 weeks in the factory		300
02-06-00254	Flat work ironed machine electrically heated press roller to 1.5 m length automatic lifting and lowering of cylinder heat control finges - protection feeding and 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		400
02-06-00255	Washing machine Capacity up to 50 kg/load (dry weight)		400

	<p>heating :steam (6-8 bar) drumins stainless steel 18/8 operated by programme card and push botton for manual reverse safty look on door unbalance switch G- factory :500 g</p> <p>fitting and flexiable pipes 1.5 m in cluded connection to 380 v 50 hz 3 ph demostic water pressure supplied 0.5 bar spare parts list for 3 years operation installation repair and spare parts manual with each washer Training tow engineers for 3 weeks in the factory</p>	
02-06-00256	<p>Washing machine Capacity 20 kg/load (dry weight) heating :electric element drum stainless steel 18/8 operation by push botton for manual control reverse drum action safty look on door fitting and flexiable pipes 1.5 m in cluded connection to 380 v 50 hz 3 ph demostic water pressure supplied 0.5 bar itemized and speratly priced spare parts list for 3 years operation Training tow engineers for 3 weeks in the factory</p>	500
02-06-00257	<p>Washing machine Capacity 30 kg/load (dry weight) heating :electric element drum stainless steel 18/8 operation by programme card and push botton for manual reverse safty look on door fitting and flexiable pipes 1.5 m in cluded connection to 380 v 50 hz 3 ph demostic water pressure supplied 0.5 bar spare parts list for 3 years operation installation repair and spare Training tow engineers for 3 weeks in the factory</p>	500
02-06-00258	<p>Press Capacity 50 kg</p>	300
02-06-00259	<p>hydro extractor Capacity 20 kg/load (dry weight) G- factory :600-750 g</p> <p>inner drum of stainless steel 18/8</p> <p>timer operated reverse phase brake system drive motor with thermal cut -out vibration controlled inner drum connection to 380 v 50 hz 3 ph spare parts list for 3 years operation installation repair and spare parts manual with each washer Training tow engineers for 3 weeks in the factory</p>	500
02-06-00260	Cornice flexiflame 70	300
02-06-00261	Drying to LBG gas dryer	20
02-06-00262	<p>Hot water boiler Capacity 2000 KG/hr Working presser 10 bar</p> <p>Automatic control for safe, starting and operation, automatic blow Burner : dual fuel L.P.G gas or light gas oil Automatic operation isolated skid mounted ready for connection Softener : suitable duplex automatic operation softener suitable for Spear parts recommended for 5 years</p> <p>Technical document / insulation / operation / martinets and repair</p> <p>Training 3 engineers for one month in the factory</p>	100
02-06-00263	<p>Calling system and equipment for calling system Complete paging system with its control station and 5 watt The system either independent or interfacing with telephone supply complete maintenance and operating installation catalog</p>	200

02-06-00264	<p>Compressor</p> <p>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 electrical characteristics nominal voltage 220 V 50 HZ voltage rang 170 - 240 V</p> <p>power factor .95 (shunt capacitor is to be used)</p> <p>the compressor are to be supplied complot with starting device (relay or ptc)</p> <p>over load protector electrical connection board capacitor and the necessary wiring for electrical connection</p> <p>dimensional data :</p> <p>discharge tube 6.35 mm ID</p> <p>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.</p>	20000
02-06-00265	<p>Telephone exchange system</p> <p>4X64 100 8 X 120 60 20 X 320 80 30X500 50 50 X 1000 20 10x250 10 10 x 75 10 150X2000 5 10X1000 5</p> <p>each above internal extensions should be 80% analogue, and Auto communication switch system can use both type of telephone Facilities : consultation call with split call transfer three way Tones : the system should be working on different tones such as Operator console : electronic push – bottom operator console can Power supply : smooth and stabilized 48 V DC at 60 A max In case of 48 VPC failure to the system suitable battery back up 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 4- Training on factory 5 engineers and 6 weeks</p>	
	<p>Equipment :pumps model : as below company / manufacturer : worthington or equavalnt worthington simpsonltd low field works p.o.box 17 newark , nottingh - amshire NG243EN</p>	

	ENGLAND tel = newark 705151 tlx = 37451 quantity : 80 site : saddam medical city					
	MOdEL	KW	HEAD (M)	FLOW (L/S)	RPM	
02-06-00266	12LN21	340	36	650	1440	20
02-06-00267	12LN17	265	52.5	335	1440	30
02-06-00268	12LN17	224	36	372	1440	10
02-06-00269	ERP80-400	150	140	30	2880	10
02-06-00270	12LA2	150	25.5	415	1440	10
02-06-00271	12LA2	90	30	300	1440	15
02-06-00272	10LA3	90	30	170	1440	10
02-06-00273	10LA3	90	43.3	142.3	1440	10
02-06-00274	65WP315	75	132.5	22.5	2880	10
02-06-00275	6L3	55	32	101.29	1440	10
02-06-00276	6L3	55	52.5	52.24	1440	10
02-06-00277	65WP315	55	103	22.5	2880	15
02-06-00278	ERP60-200	45	190	7.57	2880	20
02-06-00279	50wp315	37	103	10	2880	15
02-06-00280	65WP250	37	68.6	22.5	2880	15
02-06-00281	6L3	37	34	55.5	1440	15
02-06-00282	6L3	30	27	98.5	1440	10
02-06-00283	100WP200	30	37	43.1	2880	10
02-06-00284	80WP160	15	24	30	2880	10
02-06-00285	1 ½ TM2	15	132.5	2.5	2880	5
02-06-00286	40WP200	11	45	7.57	2880	10
02-06-00287	40WP200	11	55	4.36	2880	10
02-06-00288	1 ¼ TM43	7.5	68.6	2.25	2880	5
02-06-00289	4L1	5.5	9	30.61	1440	10
02-06-00290	100WP200	4	11	17.42	1440	10
02-06-00291	1 ¼ TM22	4	83.3	1	2880	15
02-06-00292	3L1	3	8	15.86	1440	10
02-06-00293	3dv2	3	-	-	2880	10
02-06-00294	32wp160	1.5	14.6	2.25	2880	10
02-06-00295	ELECTRICAL FORK LIFT (2 TON) 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					300
02-06-00296	ELECTRICAL FORK LIFT (1 TON) 1.MAXIM HEIGHT 7 TO 7.5 METER					300

	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)	100
	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)	100
	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: A- BASIC VEHICLE: 1. ENGINE: DIESEL ENGINE WATER COOLED 2. TRANSMISSION: MANUAL FLOOR SHIFT 3. CLUTCH: HYDRAULIC CONTROL SINGLE DRY PLATE WITH 4. SUSPENSIONS: FRONT: LAMINATED LEAF SPRINGS WITH 5. SUFFICIENT TO CONTROL THE VEHICLES IN THE 6. ELECTRICAL SYSTEM: 24V 120AMP 7. INSTRUMENT PANEL: ALL MEASUREMENTS AND GAUGES 8. FRAME: PARALLEL, TAPERED CHANNEL SECTION TYPE 9. STEERING: LEFT HAND DRIVE, (BALL NUT TUBE, 10.TIRES:HIGH QUALITY FRONT WHEELS: SINGLE IN EACH 11. DRIVERS CABIN: ONE AND HALF CABIN SUPPLIED WITH 12. EQUIPMENT'S: THE VEHICLES (TRUCKS) IT PROVIDES WITH ALL ACCESSORIES THAT ARE CONCERNING WITH B- LOADING CAPACITY:	700

	<p>FIRST OPTION LOADING CAPACITY (2-4) TON QTY (25)</p> <p>SECOND OPTION LOADING CAPACITY (5-7) TON QTY (250)</p> <p>THIRD OPTION LOADING CAPACITY (8-10) TON QTY (25)</p> <p>C-ACCESSORIES: EACH VEHICLE (TRUCK) SUPPLY WITH THE FOLLOWING:</p> <p>FAST SPARE PART: AUTO JACK WITH HANDLE AND WHEEL WRENCH : HAZARD TRIANGLE: HYDRAULIC TAIL LEFT.</p> <p>1. COOLING SYSTEM WORK BY ENGINE OR ELECTRIC POWER 380 VOLT 50 HZ 3 PHASE</p> <p>2. DIAL THERMOMETER MUST BE PROVIDED</p> <p>3. AUDIOVISUAL FOR HIGH TEMP. MUST BE FITTED</p> <p>4. REFRIGERATION MUST SUITABLE TO MAINTAIN THE 5. INTERNAL TEMP FROM + 10C TO-20C 6. AMBIENT TEMP. SUMMER BDT 60C WBT 25C</p> <p>WINTER DBT 1C</p> <p>WBT 3C</p>	
02-06-00300	<p>TRUCKS:</p> <p>C- BASIC VEHICLE:</p> <p>1- ENGINE: DIESEL ENGINE WATER COOLED</p> <p>2. TRANSMISSION: MANUAL FLOOR SHIFT</p> <p>3. CLUTCH: HYDRAULIC CONTROL SINGLE DRY PLATE WITH</p> <p>4. SUSPENSIONS: FRONT: LAMINATED LEAF SPRINGS WITH</p> <p>5. SUFFICIENT TO CONTROL THE VEHICLES IN THE</p> <p>C- ELECTRICAL SYSTEM: 24V 120AMP</p> <p>7. INSTRUMENT PANEL: ALL MEASUREMENTS AND GAUGES</p> <p>8. FRAME: PARALLEL, TAPERED CHANNEL SECTION TYPE WITH CROSS MEMBERS AND REINFORCEMENTS</p> <p>9. STEERING: LEFT HAND DRIVE, (BALL NUT TUBE,</p> <p>10.TIRES:HIGH QUALITY FRONT WHEELS: SINGLE IN EACH SIDE REAR WHEELS: DOUBLE IN EACH SIDE</p> <p>11.DRIVERS CABIN: ONE AND HALF CABIN SUPPLIED WITH</p> <p>12.EQUIPMENT'S: THE VEHICLES (TRUCKS) IT PROVIDES WITH ALL ACCESSORIES THAT ARE CONCERNING WITH</p> <p>B- LOADING CAPACITY:</p> <p>FIRST OPTION LOADING CAPACITY (3-4) TON QTY (50)</p> <p>SECOND OPTION LOADING CAPACITY (5-6) TON QTY (100)</p> <p>THIRD OPTION LOADING CAPACITY (8-12) TON QTY (100)</p> <p>C-ACCESSORIES: EACH VEHICLE (TRUCK) SUPPLY WITH FAST SPARE PART: AUTO JACK WITH HANDLE AND WHEEL</p>	700
02-06-00301	<p>AMBULANCE PARTITION</p> <p>BETWEEN DRIVER'S COMPARTMENT AND PATIENT'S PARTITION WINDOW</p>	400

<p>LARGE, DOUBLE SLIDING SAFETY GLASS CENTRAL WINDOW</p> <p>PATIENT'S COMPARTMENT</p> <p>THE PATIENT'S COMPARTMENT IS TO BE FULLY INSULATED.</p> <p>ROOF HEIGHT</p> <p>INSIDE HEIGHT NOT LESS THAN 1500MM WITHOUT THE FLOORING</p> <p>HIGH QUALITY FLOORING MATERIAL CEMENTED TO A MEDICINE CABINETS</p> <p>THE LEFT WALL OF THE PATIENT'S COMPARTMENT IS TO TECHNICIAN SEAT - FRONT</p> <p>PROVISION OF A TECHNICIAN SEAT AT THE FRONT OF THE TECHNICIAN SEAT-REAR</p> <p>PROVISION OF A TECHNICIAN SEAT AT THE FOOT OF THE INSIDE LIGHTING SYSTEM</p> <p>THE PATIENT'S COMPARTMENT ELECTRICAL SYSTEM IS TO IDENTIFICATION</p> <p>THE AMBULANCE IS TO BE IDENTIFIED AS FOLLOWS:-</p> <p>IT IS TO BE PAINTED CLEAR WHITE</p> <p>- FOR DECALS FOR THE WORD "AMBULANCE", AND A RED RESUSCITATION EQUIPMENT</p> <p>- TWO OXYGEN BOTTLES, EACH OF 500 LITTER CAPACITY</p> <p>- TWO SPARE OXYGEN BOTTLES OF 500 LITTER CAPACITY IN STOWAGE CABIN.</p> <p>- ONE SET OF ENGLISH BULL NOSE VALVE YOKE,</p> <p>- THREE OXYGEN MASKS, ONE FOR EACH ADULT CHILD AND INFANT.</p> <p>- THREE PLASTIC NASAL CANNULAS, TWO ADULT AND ONE</p> <p>- FOUR OXYGEN CATHETERS, TWO OF EACH NO.10F.</p> <p>ONE MOUTH TO MOUTH VENTILATION MASK</p>	
CYLINDER KEY	1 FOR EACH
OXYGEN FLOW METER /REGULATOR	1 FOR EACH
HUMIDIFIER	1 FOR EACH
<p>PORTABLE OXYGEN KIT</p> <p>ONE PORTABLE OXYGEN KIT COMPETE WITH REGULATOR AND SUPPLIES.</p>	
RESUSCITATOR COMPLETE WITH CYLINDER.	1 FOR EACH
RESTRAINING STRAP FOR RESUSCITATOR.	1 FOR EACH
<p>SUCTION SYSTEM</p> <p>ONE VACUUM APPARATUS INCLUDING AN ELECTRIC DRIVEN PUMP with rechargable battery</p> <p>FIRST AID EQUIPMENT</p> <p>A BOX IS TO BE PROVIDED CONTAINING THE FOLLOWING:-</p> <p>TWENTY PRE- LOCALIZED PADS</p> <p>TWELVE COMPRESSIVE BANDAGES</p> <p>- FOUR 10CM ELASTIC STRIPS.</p> <p>- SIX GAUZE BANDEAUS, THREE OF 75MM AND THREE OF</p> <p>- TWENTY GAUZE PADS 10CM BY 10CM, INDIVIDUALLY</p> <p>- TWO 5CM ANTI-ALLERGIC ROLLS OF ADHESIVE TAPE.</p> <p>FIFTEEN TONGUE DEPRESSORS INDIVIDUALLY WRAPPED.</p> <p>- ONE 100 ML BOTTLE CONTAINING CHLOREXIDINE BASE</p> <p>AIR SPLINTS</p> <p>ONE SET OF AIR SPLINT FOR EACH OF THE UPPER AND</p> <p>STRETCHER</p>	

WHEEL STRETCHER WITH ADJUSTABLE BACK AND FOOT RESTS WITH SIDE HANDLES, COMPLETE WITH MATTRESS SPARE STRETCHER	
FOLDING COLLAPSIBLE STRETCHER WITH SUPPORTING REAR BUMPER STEP	
A- REAR BUMPER STEP IS TO BE INSTALLED OVER THE REAR BUMPER. BOTTLE HOOKS BOTTLE HOOKS ARE TO BE INSTALLED ON THE ROOF TO 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 BOTTLE HOOKS BOTTLE HOOKS ARE TO BE INSTALLED ON THE ROOF TO ANTENNA INSTALLATION OF RADIO ANTENNA IN EACH AMBULANCE AT THE ROOF. WIRELESS EQUIPMENT: EACH AMBULANCE EQUIPPED WITH SPECIFICATIONS FOR AMBULANCES BASIC VEHICLE	
ENGINE: PETROL ENGINE WATER COOLED . TRANSMISSION: MANUAL OR AUTOMATIC. AXLE: SINGLE REAR OR FRONT WHEEL DRIVE. STEERING :POWER STEERING LEFT HAND DRIVE. SUSPENSION : HEAVY DUTY. COOLING SYSTEM: HEAVY DUTY. ELECTRICAL SYSTEM: 12 VOLTS WITH HEAVY DUTY AIR CONDITIONING SYSTEM: AIR-CONDITIONER AND SIDE DOOR: SIDE DOOR AT THE RIGHT SIDE. BACK DOORS: TWO PANEL DOORS OPENABLE TO THE INSTRUMENT PANEL: WITH METRIC GAUGES and MIRRORS: ONE INSIDE and TWO OUTSIDE REAR VIEW. TIRES :HIGH QUALITY INCLUDING SPARE. -WARNING EQUIPMENT: SIREN WITH SPEAKER AND -ELECTRONIC SIREN WITH PUBLIC ADDRESS SYSTEM OF BEACON : TWO REVOLVING DOME TYPE BEACONS -SPEAKER: 100 WATTS SPEAKER INSTALLED INSIDE ENGINE -ACCESSORIES: AUTO JACK WITH HANDLE and WHEEL WRENCH. TOOL KIT BAG. HAZARD WARNING TRIANGLE FIRE EXTINGUISHER. -MISCELLANEOUS: THE FOLLOWING IS TO BE SUBMITTED -WORKSHOP MANUALS (2 COPIES IN ENGLISH). -SPARE PARTS CATALOGUES (2 COPIES IN ENGLISH). -RECOMMENDED SPARE PARTS LIST (DETAILS OF THE LIST 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
PARTITION
BETWEEN DRIVER'S COMPARTMENT AND PATIENT'S
COMPARTMENT FULL COVERAGE PANEL MADE OF STURDY
MATERIAL (PRESS WOOD IS NOT TO BE USED) WITH
PARTITION WINDOW

200

LARGE, DOUBLE SLIDING SAFETY GLASS CENTRAL WINDOW
DOUBLE SLIDING SAFETY GLASS WINDOW BEHIND DRIVER CABINET ITS HEIGHT HALF INSIDE HEIGHT OF ROOF
PATIENT'S COMPARTMENT

THE PATIENT'S COMPARTMENT IS TO BE FULLY INSULATED.
ROOF HEIGHT

INSIDE HEIGHT NOT LESS THAN 1900MM WITHOUT THE FLOORING
HIGH QUALITY FLOORING MATERIAL CEMENTED TO A MEDICINE CABINETS

THE LEFT WALL OF THE PATIENT'S COMPARTMENT IS TO TECHNICIAN SEAT - FRONT

PROVISION OF A TECHNICIAN SEAT AT THE FRONT OF THE TECHNICIAN SEAT-REAR
PROVISION OF A TECHNICIAN SEAT AT THE FOOT OF THE INSIDE LIGHTING SYSTEM
THE PATIENT'S COMPARTMENT ELECTRICAL SYSTEM IS TO IDENTIFICATION

488

THE AMBULANCE IS TO BE IDENTIFIED AS FOLLOWS:-

IT IS TO BE PAINTED CLEAR WHITE
- FOR DECALS FOR THE WORD "AMBULANCE", AND A RED RESUSCITATION EQUIPMENT

- TWO OXYGEN BOTTLES, EACH OF 500 LITTER CAPACITY
- TWO SPARE OXYGEN BOTTLES OF 500 LITTER CAPACITY IN STOWAGE CABIN.
- ONE SET OF ENGLISH BULL NOSE VALVE YOKE,
- THREE OXYGEN MASKS, ONE FOR EACH ADULT CHILD AND INFANT.

- THREE PLASTIC NASAL CANNULAS, TWO ADULT AND ONE
- FOUR OXYGEN CATHETERS, TWO OF EACH NO.10F.

ONE MOUTH TO MOUTH VENTILATION MASK
PORTABLE OXYGEN KIT

ONE PORTABLE OXYGEN KIT COMPETE WITH REGULATOR SUCTION SYSTEM

ONE VACUUM APPARATUS INCLUDING AN ELECTRIC DRIVEN FIRST AID EQUIPMENT

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

TWELVE COMPRESSIVE BANDAGES
- FOUR 10CM ELASTIC STRIPS.

- SIX GAUZE BANDEAUS, THREE OF 75MM AND THREE OF
- 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 STRETCHER

WHEEL STRETCHER WITH ADJUSTABLE BACK AND FOOT SPARE STRETCHER

FOLDING COLLAPSIBLE STRETCHER WITH SUPPORTING REAR BUMPER STEP

<p>A- REAR BUMPER STEP IS TO BE INSTALLED OVER THE BOTTLE HOOKS</p> <p>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 EXHAUST-VENTILATOR FAN</p> <p>ROOF MOUNTED DOUBLE ACTING EXH-VENT FAN IS TO BE REAR BUMPER STEP A REAR BUMPER STEP IS TO BE INSTALLED OVER THE REAR BUMPER. BOTTLE HOOKS</p> <p>BOTTLE HOOKS ARE TO BE INSTALLED ON THE ROOF TO HOLD FLUID AND BLOOD TRANSFUSION BOTTLES . ANTENNA</p> <p>INSTALLATION OF RADIO ANTENNA IN EACH AMBULANCE AT WIRELESS EQUIPMENT: EACH AMBULANCE EQUIPPED WITH SPECIFICATIONS FOR AMBULANCES BASIC VEHICLE ENGINE: PETROL ENGINE WATER COOLED . TRANSMISSION: MANUAL OR AUTOMATIC.</p> <p>AXLE: SINGLE REAR OR FRONT WHEEL DRIVE. STEERING :POWER STEERING LEFT HAND DRIVE. SUSPENSION : HEAVY DUTY.</p> <p>COOLING SYSTEM: HEAVY DUTY. ELECTRICAL SYSTEM: 12 VOLTS WITH HEAVY DUTY AIR CONDITIONING SYSTEM: AIR-CONDITIONER AND SIDE DOOR: SLIDING SIDE DOOR AT THE RIGHT SIDE. BACK DOORS: TWO PANEL DOORS OPERABLE TO THE 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 -ELECTRONIC SIREN WITH PUBLIC ADDRESS SYSTEM OF BEACON : TWO REVOLVING DOME TYPE BEACONS -SPEAKER: 100 WATTS SPEAKER INSTALLED INSIDE ENGINE -ACCESSORIES: AUTO JACK WITH HANDLE and WHEEL WRENCH. TOOL KIT BAG. HAZARD WARNING TRIANGLE FIRE EXTINGUISHER. -MISCELLANEOUS: THE FOLLOWING IS TO BE SUBMITTED -WORKSHOP MANUALS (2 COPIES IN ENGLISH). -SPARE PARTS CATALOGUES (2 COPIES IN ENGLISH). -RECOMMENDED SPARE PARTS LIST (DETAILS OF THE LIST FAST MOORING PARTS for EACH VEHICLE. - ACCIDENT EMERGENCY TOOLS: PREGNANCY HOLDING CROWBAR ELECTRICAL CUTTER HYDRAULIC JACK WORK BY FOOT TO PULL MATERIAL AIR COMPRESSOR HANDING CUTTER DIFFERENT SIZE FIRE EXTINGUISHER (QTY 3) TRANSMISSION TOOL (QTY 3) - TRAINING FOR 3 ENGINEERS. OPTIONAL EQUIPMENT'S SCHEDULE AMBULANCE</p>	
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
(INTENSIVE CARE UNIT AND MOBILE THEATRE)
A- BASIC VEHICLE

70

1. ENGINE:- 4 or 6 or 8 cylinder

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

ANTENNA

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)

3- ADDITIONAL BASE FOR HOLDING OF THE STRETCHER IN

4- ILLUMINATION: IN SIDE THE UNIT A FIXED SOURCES OF

5- EQUIPMENT FOR OXYGEN SUPPLY WITH SET FOR GIVING

6- ELECTRICAL SUCKER COMPLETE WITH ADDITIONAL

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 &

10- OXYGEN BOTTLE 5-7 500L & TWO MAIN SOURCES - BIG

11- COMPLETE OXYGEN SET

12- ANAESTHETIC MACHINE COMPLETE holding

13-INTENSIVE CARE UNIT - MONITOR WITH DC. SHOCK (COMPLETE) + ECG+SPO2+NIBA+Pacemaker

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

C- ADDITIONAL SUPPLIES:-

1- KIT - SET CONTAINING ALL INSTRUMENTS NEED FOR

2- KIT FOR PORTABLE OXYGEN & COMPLETE ADDITIONAL

3- SUCKER HAND & FOOT SUCKERS

	4- AIR SPLINT FOR FRACTURES UPPER & LOWER LIMBS 2 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 8- ULTRA VIOLET LIGHT INSTRUMENT FOR STERILIZATION UNIT & ANY OTHER THING FOR STERILIZATION SUITABLE IN 9- portable intensive care ventilator with UPS and patient circuit 10- laryngeal mask (small, medium, large) 11- 2 bottles for N2O with regulator and fitting to the anaesthetic 12- O2 regulator with fitting to the anaesthetic machine (qty 2) 13- O2 regulator with flow meter and humidifier for O2 mask	
02-06-00304	EQUIPMENT: RADIO (WIRELESS) COMMUNICATION NETWORK FOR EMERGENCY AMBULANCE CALLS. CONSISTING OF THE FOLLOWING:- - ALL NETWORK SYSTEM OPERATE IN FREQUENCY (420 MHZ-470MHZ) NETWORK SYSTEM OPERATE WITH CODING - DECODING - ALL NECESSARY ANTENNA FOR THE FOLLOWING 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	10 SYSTEM
	FIXED STATION (8 CHANNELS): - TO COMMENCE WITH CENTRAL STATIONS AND OTHER - RF OUTPUT POWER NOT LESS THAN (10 RF WATTS) - UPS FOR 6 HOURS OPERATION - EXTRA LOUD SPEAKER.	150
	MOBILE STATIONS (AS FIXED STATION ABOVE) EXCEPT UPS	200
	HANDY STATION (WALK TALKY) TO COMMENCE WITH CENTRAL STATION and ALL OTHER	50
	RECORDER SYSTEM - FOR RECORDING ALL MESSAGES 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).	10
02-06-00305	EQUIPMENT: WHEEL LOADER (1-2M3) BUCKET	300

	<p>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.</p> <p>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.</p>	
02-06-00306	<p>EQUIPMENT:</p> <p>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 4.SUSPENSIONS: FRONT: LAMINATED LEAF SPRINGS WITH 5.SUFFICIENT TO CONTROL THE VEHICLES IN THE PARKING 6.ELECTRICAL SYSTEM: 24V 120AMP 7.INSTRUMENT PANEL: ALL MEASUREMENTS AND GAUGES 8.FRAME: PARALLEL, TAPERED CHANNEL SECTION TYPE 9.STEERING: LEFT HAND DRIVE, (BALL NUT TUBE, 10.TIRES:HIGH QUALITY FRONT WHEELS: SINGLE IN EACH 11. DRIVERS CABIN: ONE AND HALF CABIN SUPPLIED WITH 12. EQUIPMENT'S: THE VEHICLES (TRUCKS) IT PROVIDES WITH ALL ACCESSORIES THAT ARE CONCERNING WITH 13- EQUIPPED WITH FIBER GLASS CABINET, CAPACITY LOADING NOT LESS THAN 200 KG, HEIGHT NOT LESS THAN 10 METERS, HYDRAULIC CONTROL, SAFETY CONTROLS,</p>	20
02-06-00307	<p>TOWING TRUCK:</p> <p>SPECIFICATIONS FOR TOWING TRUCK: A. BASIC VEHICLE: 1. ENGINE: PETROL ENGINE, WATER COOLED 2. TRANSMISSION: MANUAL FLOOR SHIFT AND ONE REAR 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 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:</p>	150

	<p>TYPE 6 X 19 CLASS FIBER CORE IMPROVED PLOW STEEL.</p> <p>DIAMETER AND STANDARD LENGTH (3/8 INCH X 10 FT),</p> <p>WORKING LIMIT – SINGLE LINE (1 ½ TON) OR 3500 IBS).</p> <p>NOTE –1- THE TOWING DEVICE SHOULD BE OPERATE BY AND IN ANOTHER WAY WE CAN USE IT BY ELECTRICAL WAY</p> <p>NOTE-2- THE VEHICLE SHOULD BE SUPPLIED WITH ALL THE TOOLS NECESSARY FOR TOWING AND DRAWING AND</p> <p>C. ACCESSORIES:</p> <p>1. THE VEHICLE SHOULD PROVIDE WITH AUTO JACK AND</p> <p>2. BOOKLET OF OWNER'S MANUAL (ENGLISH COPY).</p>	
02-06-00308	<p>EQUIPMENT:</p> <p>MOBILE CRANE MOBILE CRANE, TELESCOPIC, FULLY HYDRAULIC, (20-30) CARRIER PART: ENGINE: DIESEL, WATER-COOLED, COMPLETE WITH TRANSMISSION: GEAR BOX, POWER SHIFT TIERS: HIGH QUALITY STEERING: HYDRAULIC SERVO- STEERING BRAKES: SERVICE BRAKE: SERVO- BRAKE WITH DRIVER CABIN: MADE OF PLATE-STEEL RUBBER ELECTRIC EQUIPMENT: 24 VOLTS, 120 AMP. ROTATING PART:</p> <p>ENGINE DIESEL WATER-COOLED.</p> <p>CONTROLS BY HAND LEVERS AUTO-CENTERED DISTRIBUTORS.</p> <p>CABIN: ALL STEEL. GLASS SECURITY WINDOWS, HEATING AND CONTROL INSTRUMENTS.</p> <p>ELECTRIC EQUIPMENT: 24 VOLTS, 120 AMP.</p>	100
02-06-00309	<p>EXCAVATOR, SMALL SIZE DRIVER CABINS: FOLDING DOOR, THE LOCKING IS ASSURED EARTH AND CONCERT DIGGING AND EXCAVATOR, SMALL TIERS: HIGH QUALITY ELECTRIC EQUIPMENT: 24 VOLTS, 120 AMP.</p>	50
02-06-00310	<p>MOBILE DEAD BODY</p> <p>SPECIFICATION FOR MOBILE DEAD BODY CARRIER BASIC</p> <p>1- ENGINE: PETROL ENGINE</p> <p>WATER COOLED</p> <p>2- TRANSMISSION: MANUAL GEAR BOX – FLOOR SHIFT</p> <p>4- BRAKE: DUAL- CIRCUIT HYDRAULIC BRAKE WITH VACUUM BOOSTER- SELF ADJUSTING MECHANICAL PARKING BRAKE</p> <p>5- STEERING: POWER STEERING LEFT HAND DRIVE</p> <p>6- FUEL TANK: 80 LITTER</p>	300

	<p>7- BATTERY: 12 VOLT/ 75 AH</p> <p>ALTERNATOR: 14V/90A STATOR: 1.2KW</p> <p>8- TIRES: HEAVY DUTY WITH TUBES</p> <p>9- AIR CONDITION AND HEATING FOR DRIVER CABIN</p> <p>10- ALL GANGES IN METRIC SYSTEM</p> <p>11- PAINT: BLACK</p> <p>12- ANTENNA INSTALLATION OF RADIO ANTENNA IN EACH AMBULANCE AT THE 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 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 C- ACCESSORIES: JACK WITH HANDLE AND WHEEL RANCH FIRE EXTINGUISHER REPAIR TOOL KIT OWNERS MANUAL (ENGLISH COPY)</p>	
02-06-00311	<p>VEHICLE PICK-UP SINGLE CABIN</p> <p>1. PETROL ENGINE WATER COOLED</p> <p>2. MANUAL GEAR BOX, FLOOR SHIFT</p> <p>3. STEERING POWER STEERING LEFT HAND DRIVE</p> <p>4.ELECTRICAL EQUIPMENT'S: BATTERY 12V-60AMP HEAVY</p> <p>5.AIR-CONDITIONING FOR DRIVER CABIN (HEATING AND</p> <p>6. SUSPENSION: HEAVY DUTY</p> <p>7. TIRES WITH TUBES: SUITABLE FOR DIFFERENT ROADS (HIGH QUALITY)</p> <p>8. CABIN: SINGLE CABIN WITH DOOR IN EACH SIDE.</p> <p>9. MIRRORS: TO BE EQUIPPED WITH TWO SIDES MIRRORS AND ONE INSIDE</p> <p>10.ACCESSARIES: TO BE EQUIPPED WITH JACK + WHEEL</p> <p>11.LOADING CAPACITY: FROM (1-2)TONS</p> <p>12.ALL MATERIALS INSERTED IN THE CONSTRUCTION OF THIS CAR IT WILL BE OF HIGH QUALITY (ROOD, SHACKLE, GOODS COVER)</p> <p>13.MAINTEMANCE FOR ALL VEHICLES FOR TWO YEARS ON</p>	600
02-06-00312	<p>LAND CRUISER 4 WHEEL DRIVER</p> <p>1.PETROL ENGINE: ENGINE WATER COOLED</p> <p>2.MANUAL GEAR BOX, FLOOR SHIFT</p> <p>3.STEERING: POWER STEERING LEFT HAND DRIVE</p> <p>4.ELECTRICAL EQUIPMENT'S: BATTERY 12V, 60AMP, HEAVY</p> <p>5. AIR-CONDITIONING: TO BE EQUIPPED WITH EFFICIENT AIR-</p> <p>6.SUSPENTION: HEAVY DUTY</p> <p>7.TIRES WITH TYPES SUITABLE FOR DIFFERENT ROADS</p> <p>8. DOORS: TWO DOORS IN EACH SIDE OF THE VEHICLE</p> <p>9. MIRRORS: TO BE EQUIPPED WITH 2 SIDES MIRRORS AND</p> <p>10. ACCESSORIES: TO BE EQUIPPED WITH JACK + WHEEL</p> <p>11. MAINTENANCE FOR ALL VEHICLES FOR 2 YEARS ON A</p>	1000
02-06-00313	<p>HANDLING TRUCKS</p> <p>FOR BOXES CASE (UP TO 300KG) WITH TOE EXTENDED</p>	500
02-06-00314	<p>LIGHT ALLOY TROLLEYS</p> <p>WITH ONE REMOVABLE ENDS. 350KG CAPACITY PLATE</p>	500
02-06-00315	<p>HAND PALLET TRUCKS</p> <p>CAPACITY UP TO 3000 KG</p> <p>LIFTING: HYDRAULIC CONTROLLED BY HANDLE, RISE</p>	500

[illegible]

	<p>a- main frames : the main frams will consist of hot rolled steel</p> <p>b- purlins and side rails: purlins and side rails will be cold rolled</p> <p>c- ancillary steel work: the steel fram will be supplied with all</p> <p>d-roofing:- single galvanised steel sheet 0.6 mm thick 45/250</p> <p>e- servic preparation and treatment : all steel work will be sheet</p> <p>4-CEILING AND SIDE WALL CLADDING:</p> <p>a- insolated sandwich steel panel external and internal face 0.6 mm galvanised steel sheet ribbed with 4mm profile coated with</p> <p>d- doors : each store has 4 no. (3500mm X 4500 mm) manually</p> <p>e- an inter area 25X8 m in the front and back side of the store to</p> <p>f-an office 4000mmX4000mmX2800mm inside each store from</p> <p>5- cold stor (one pore each stor) 200 m3 capacity prefabricated</p> <p>6-AIR CONDITIONING INSTALLATION :</p> <p>SUPPLY AND INSTALLEDAIR COOLED PACKAGED WATER</p> <p>7- electrical installation :</p> <p>a- transformer with suitable capacity and all hight tension</p> <p>b- main switch boardse and distribution boards mounted out side</p> <p>c- cabling / sub - circuits wiring</p> <p>d- lighting : provided from floresent fitting (double flouresent) 20</p> <p>8-fire alarm system : acomplete fire alarm system comprising</p> <p>9-fire fitting system (automatic sprinkler system) design</p> <p>a- all pipe work fittings hangers and sprinklers heads</p> <p>b- all necessary installation controlling valve</p> <p>c-two automatic fire pumps (one electrical and the others is diesl</p> <p>d- water storage tank enough for one hour made from galvamised</p> <p>e- joky pump</p> <p>10- storage racking : storage racking type narrow aisel racking</p> <p>11- frok lift truck:</p> <p>a-two frok lift per stor.for the racking rider electric reach truck capacity 1350 KG lifting height</p> <p>b-two frok lift per stor / for loading and unloading from the truck</p> <p>12-generator one</p> <p>13-one electronic.digital (PABX),6 trunk,64 extension with all</p> <p>SECOND: general condition</p> <p>1-the offer should include work shope drawing for foundation and</p> <p>2-one year waramty 1 spare parts and labour.</p> <p>3-one year mainten ance labour only</p> <p>4-foundation will be don by the eliemnt according to your design</p> <p>5-stor building to risut 140KM/Hr</p> <p>6-supply quick moving spare part list enough for five yeas</p> <p>7-the company shoulds submit training course for 6 technicians for three weeks and am invitation for 4 engineers for observation for two weeks</p>	
02-06-00322	<p>Telephone exchange system</p> <p>Capacity :1000 line</p> <p>10% of lines for special</p>	20
02-06-00323	Packaged unit air-conditioning 12 ton for lift room	10
02-06-00324	<p>Equipment: Multimedia projector</p> <p>minimum specification</p> <ul style="list-style-type: none"> - 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 	200
02-06-00325	<p>Equipment : Scanner</p> <ul style="list-style-type: none"> -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 (- 600 X 1200 DPI optical resolution - 9600X9600 DPI enhanced resolution 	200

	- Arabic and English OCR +caress Omni page softwares	
02-06-00326	Equipment : notebook - intel pentium II 300 MHZ with MMX TECHNOLOGY - Intel mobil module (IMM) architecture - 128 Mb EDO DRAM - 512 KB secondary cache - 9GB HDD - 1.44 Mb modular floppy drive - 24X CD- ROM (optional DVD- ROM drive) - 13.3" TFT screen / XGA screen - integrated 16-bit stereo sound system - NTSC/PAL TV out and s-video out - S3 Virge MX/ 4Mb (videschip/RAM) - PCMCIA 56K integrated fax modem - 232-bit card, 1zoomed vides (PC card slot) - (Battery/life) lithium ion/2.9 hours - (Dimensions/ Travel weight) 2.1x12x9.5"/8.6 pounds - USB and fast IR ports - Integrated personal touch pad - 2 extra Battery and charger for eash Unit - VDC connector	200
02-06-00327	EQUIPMENT:ROOF - U Value Kcal/m2 hc: 0.55-0.74 - Weight/Kg/m2: 12.51 - Length/m: 6-9 - External face 0.63mn galvanised steel sheet 0.45mm profile	100000M2
02-06-00328	EQUIPMENT:WALLS - 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	30000 m2 with angle and Tee elements
02-06-00329	Offset machine four colors size 72x102cm	15
02-06-00330	Offset machine . four colors size 52x74cm with numbering	15
02-06-00331	Offset machine size 36x52cm four colors with numbering	25
02-06-00332	Camera photo for off set with drum scanning and all	6
02-06-00333	Device Contact size :100 X 150	6
02-06-00334	Stitching machine with four heads four size 20x25mm	20
02-06-00335	Machine of tying string	15
02-06-00336	Collection machine for all sizes	15
02-06-00337	High speed paper cutter (width 115cm) with ten knives as spare	30
02-06-00338	Inking operator for GTO machine size . 32 X 46 cm	20
02-06-00339	Inking operator for GTO machine size : 35 X 52 cm	20
02-06-00340	Numbering box letter press for 6 numbers back down	1500

02-06-00341	FILM ARTS GRAPHICS BLACK & WHITE Size : 50 X 60 cm 100X70 CM 40 X 60 cm	1500 1500 1500
02-06-00342	Set . of light notes to dark notes that Return to picture .	5set
02-06-00343	plate pressing size : 102X71 cm 52X74 cm 32X 46 cm	200 boxs each box 100 sheet 200 boxs each box 100 sheet 200 boxs each box 100 sheet
02-06-00344	Blanket size : 102X71 cm 50X74CM 32X52 cm 32X46 cm	4000 4000 4000 4000
02-06-00345	Under blanket size: 102X71 cm 52X74CM 32X52 cm 32X46 cm	4000 4000 4000 4000
02-06-00346	Developer plate A & B	3000 for each
02-06-00347	Correction	200 bottle
02-06-00348	Fixer	200 bottle
02-06-00349	Ster Ion sheet 100X70 cm	4000
02-06-00350	Steel core for switching machine 22\19& 21\19 copper core for switching machine 22\19& 21\19	2000 2000
02-06-00351	Cart bort 100 X70 cm , 240 g\m Cart bort 100 X70 cm , 240 g\m Cart bort 100 X70 cm , 240 g\m Cart bort 100 X70 cm , 240 g\m	white green blue pink coole2000
02-06-00352	Cart bort 100 X 70 cm ,200 g\m Cart bort 100 X 70 cm ,200 g\m Cart bort 100 X 70 cm ,200 g\m Cart bort 100 X 70 cm ,200 g\m	white green blue pink coloe200 00 band
02-06-00353	Cart bort 100 X70 cm ,180 g\m	white coloe 20000 band

	Cart bort 100 X70 cm ,180 g\m	green coloer 20000ban d
	Cart bort 100 X70 cm ,180 g\m	blue color 20000 band
	Cart bort 100 X70 cm ,180 g\m	pink coloer 20000 band
02-06-00354	Paper 100 X 70 cm , 80 gm , Paper 100 X 70 cm , 80 gm , Paper 100 X 70 cm , 80 gm ,	white coloer 20000 band white color 20000 band white coloer 20000 band
02-06-00355	Inking off set	2000sets & 6000 kg black
02-06-00356	Inking letter	1000 & 1000 kg black
02-06-00357	Carbon papers 100X70 cm	white coloer 5000 band
	Carbon papers 100X70 cm	blue coloer 5000 band
	Carbon papers 100X70 cm	pink coloer 5000 band
	Carbon papers 100X70 cm	yellow coloer 5000 band
	EQUIPMENT: SUB – STATION SITE:SADDAM MEDICAL CITY	
02-06-00358	STEPDOWN TRANSFORMER DELTA/ STAR 11000/400VOLT, 115 C RISE ABOVE 50 C AMBIANT , CAPABLE OF CARRYING	15
02-06-00359	A COMPLETE HIGH VOLTAGE SUB-STATION CAPABLE OF THE H.V SWITCHGEAR SHALL BE HORIZONTAL DRAW OUT DESIGNED MANUFACTURED AND TESTED ACCORDING TO	10
02-06-00360	MEDIUM VOLTAGE SWITCH BORD MAIN AND TIE CB, SHALL	10
	THE MAIN AND TIE CB'S SHALL BE THE FUSED DRAWOUT	
02-06-00361	BUSWAYS 5000 AMP. RATING PROVIDE TOTALLY INCLOSED WEATHER PROOF LOW 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	200 METERS
02-06-00362	Field car (4WD a/c model 99) 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 5. AIR-CONDITIONING: TO BE EQUIPPED WITH EFFICIENT AIR 6.SUSPENTION: HEAVY DUTY 7.TIRES WITH TYPES SUITABLE FOR DIFFERENT ROADS 8. DOORS: TWO DOORS IN EACH SIDE OF THE VEHICLE	200

	9. MIRRORS: TO BE EQUIPPED WITH 2 SIDES MIRRORS AND 10. ACCESSORIES: TO BE EQUIPPED WITH JACK + WHEEL 11. MAINTENANCE FOR ALL VEHICLES FOR 2 YEARS ON A	
02-06-00363	Photo copy machine	70
02-06-00364	Overhead projector , LAMP 650 W , 25 25 cm	60
02-06-00365	Television (39 inch)	60
02-06-00366	Video camera (VHS) with accessories	60
02-06-00367	Double- cassette recorder with amplifier	60
02-06-00368	Video (VHS) with accessories	60
02-06-00369	Photo Camera	60
02-06-00370	Slide projector with all accessories	20
02-06-00371	Assembly of video – tape equipment (for recording , play –	10
02-06-00372	Pentium II -450 MH3w/cache 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)	200
02-06-00373	passenger bus for transportation of wheel chair patient capacity :- 6-10wheel chair aoutomatie door with hydrolic lifter for wheel chair diesel engine ,air condition ,tow ordinary seats and	10 Buses
02-06-00374	VACUM AIR	10
02-06-00375	Telephone exchange system 2 out line x 20 in line	10
02-06-00376	EQUIPMENT: Generator (1000KVA) Generator (250KVA) 1500 KVA 750 KVA 550 KVA 150KVA 55 KVA Fully automatic mains failure diesel generator sets suitable for 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	500 500 30 60 250 70 600

	<p>temperature rise class F rotor and stator</p> <ul style="list-style-type: none"> - harmonic distortion factor < 3.5 % - construction B3/B5 - radio interference class N - tropical insulation -long life bearings <p>Damper winding for parlor operation 100% unbalanced Load</p> <p>Ambient temp. 0-60 C , humidity 95%</p> <p>Fuel tank 10 hours at full load operation Starting battery (1500,750,550)KVA, 12V 120 AH for 55KVA</p> <p>Time delay on starting 0-60 second On release 0-15 minutes</p> <p>Over load operation 10% for one hour</p> <p>The diesel engine, (know manufacturing origin ,first oil filling ,</p> <p>The set engine and alternator and control panel is equipped with</p> <ol style="list-style-type: none"> 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 <p>And also the control panel should contain the followings :</p> <ol style="list-style-type: none"> 1- pair of change over contractors mechanically & electrically 2- circuit breaker fitted with thermal overload trips & magnetic 3- automatic battery charger device 220/24 volt with voltmeter & 4- manually operated change - over switch to connect load 5- time delay to isolate load from generator & connecting it to <p>And also) Electric lighting must be sufficient inside the container</p> <p>The offer including :</p> <ol style="list-style-type: none"> 1-.installation the gensets on sites 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 course on factory 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	50
02-06-00378	Dishes washing machine	15
02-06-00379	Ampoule sealing machine with accessories	10
02-06-00380	Cold room 35C 9.5M3	25
02-06-00381	Cold room +2/+6 C 7.2M3	25
02-06-00382	Security system	10
02-06-00383	Specific printer for bar	300
02-06-00384	Lab refrigerators	50
02-06-00385	Vacuum	10
02-06-00386	VEHICLE Mechanical Specification Fire Fighting (Water + Foam 1. The Cabin : A: Left hand drive with power steering	100

	<p>B: Six seat including the driver (double cabin) .</p> <p>C: Anti corrosion made cabin .</p> <p>D: Provided with unbreakable glass.</p> <p>E: The Cabin provided with hydraulic & manual system for rising</p> <p>F: red paint .</p> <p>2. The Engine :</p> <p>A: Working by fuel (Diesel) in line .</p> <p>B: Provided with prefect water cooling system for the engine of the</p> <p>C: The horse power not less than (300) with one axle .</p> <p>3. The pump unit :</p> <p>A: Type – centrifugal combined for normal & high pressure with</p> <p>B: Material – anti corrosion –impellers , suction inlet , discharge</p> <p>C: Power take off : with gear , oiling system , mechanical pneumatic engagement , disengagement , control located cabin .</p> <p>D: Pump outlet not less than 3000 liter / min at (8-10) bar .</p> <p>E: Provided with automatic outlet air system .</p> <p>F: Provided with one suction system in each side within (4) inch</p> <p>G: Provided with four outlet 2,5 inch (Tow in each side or in the rare) instantaneous coupling .</p> <p>H: Provide with all gauge for pressure & speed pump .</p> <p>4. Water Foam Tank :</p> <p>A: 7000-7500 liter water + at least (500 – 1000) liter foam .</p> <p>B: Water & Foam tank made from suitable material unit corrosion Along time not less than 10 years .</p> <p>C: A Tank fill line 2.5 inch instantaneous coupling .</p> <p>5. Petrol tank :</p> <p>200-300 liter gasoline .</p> <p>6. Electric system :</p> <p>A: 2 Batteries 12V . (135- 165 A)</p> <p>B: All electrical system made from good insulated material .</p> <p>C: Provided with two head lights & two back lights .</p> <p>D: Provided with front vogue & side light .</p> <p>7. Additional fire equipment :</p> <p>A: Monitor for water on top of the vehical could be rotated 360 .</p> <p>B: 1100/ 20 or 1200/20 tire size ..</p> <p>C: (1) Project or (search) light</p> <p>D: (1) electronic horn with loud – speaker</p> <p>E: (1) Warning light .</p> <p>F: 4 Section pipe (4) inch diameter , 2.5 meter length each</p> <p>G: Steainer with suction basket .</p> <p>H: (4) dry powder extinguisher (12) Kg .</p> <p>I: Aluminized asbestos suit for entering fire (2 piece) .</p> <p>J: (80) meter rubber pipes (3/4) inch diameter with suitable rolls</p> <p>K: Complete driver tools Kit with Jack .</p> <p>L: (2) Ladders length (12) meter fitted on the top of the vehicle (</p> <p>M: (2) steel fine axe with unit electrical handle up to (20000) volts</p> <p>N: (8) rubber for fire fighting .</p> <p>O: (8) fire suit for fire fighter .</p> <p>P: (10) hose 20 meters long 2.5 inch instantaneous coupling .</p> <p>8. Spare Parts :</p> <p>Spare parts choosing by from delivery company & its enough to maintans vehicle not less than five Years .</p> <p>9. Foam :</p> <p>500 Lt for each Vehicle with sent the specification for maney type</p>	
02-06-00387	Split unit 25 TON	20
02-06-00388	Freezer - 40 C0	25
02-06-00389	Freezer - 120 C0	10
02-06-00390	Network	
	PACS (Picture Archiving and communicating system):	30
	state of the art and of up gradeable technology	10
	-to serve linking the X-ray dept internally & to the following conference room	50
		20
	operation rooms	10

	<p>operating suite meeting room</p> <p>doctor offices microprocessor based workstation for each secretary</p> <p>interface to possible tele medicine archiving on magnetic optic disk</p> <p>hard copies obtained from laser camera</p> <p>VCR (PAL) Video printers each is connected to MRI,CT,mobile CT ,angio, UPS Five years maintenance incl spar parts</p>	
02-06-00391	<p>Main conference room Projection T.V and screen</p> <p>Overhead projectors X2 Slide projectors X2 Video (pal) Multiple X- ray viewers - mobile</p>	10
02-06-00392	<p>Doctors offices : 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 Two extra stations in two extra doctor offices</p>	10
02-06-00393	Pakeg unit 7,5 Ton	20
02-06-00394	Pakeg unit 5 Ton	10
02-06-00395	<p>submersible drainings Pump for spring well old model :- SP25 -15 H = 35M QFLOW = 100GPM out put connection = 3 inch flange</p>	15
02-06-00396	<p>C02 incubator Mince - 1000 - solid state</p>	40
02-06-00397	Steam boiler 3TON	5
02-06-00398	<p>Water treatment (deionized water) (hemodialysis)</p> <p>1-Power supply 220V power=2500W 50HZ</p> <p>2-pressure supply 3 bar - 6 bar</p> <p>3-out put supply 1 m3/hour - 3 m3/hour</p> <p>4-equipment contain of : A-sanfliter</p> <p>B-softener (cationic) C-culler filter D-R-O filter E-storage tank 2000L</p> <p>F-recirculation pump</p>	80
02-06-00399	<p>Cooling tower</p> <p>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</p>	15

	8-electric heater power kw 5+5	
02-06-00400	Photo graphy equipment (iron for drying the negative)	10
02-06-00401	Tanks for film development	20
02-06-00402	BOILING PAN,GASEOUS: 100LT,S/S with lid, water inlet, discharge faulet, LPG control,	700
02-06-00403	BOILING PAN,ELECTRIC: As above but electric heated, controlled.	500
02-06-00404	BOILING PAN, ELECTRIC: As above but steam heated, controlled.	400
02-06-00405	DEEP FRYER,GASEOUS: Double well with baskets, covers, all stainless steel, ltemperature	600
02-06-00406	DEEP FRYER,ELECTRIC: As above, but electric operated, 380V, 3PH,thermostatic control,	700
02-06-00407	COOKER, GAS RANGE: With oven, 5cuft,S/S body, burners, 900x900x800,pilot flame,	400
02-06-00408	COOKER , ELECTRIC RANGE: As above but electric, thermostat control (18) KW total load, 4 hot	450
02-06-00409	MEAT MINCER: Heavey duty meat grinder, 1 1/2 HP motor capacity not less than	500
02-06-00410	MEAT SAW: Floor mounted S/S table and parts, 900x600mm working table, 1	500
02-06-00411	SLICER: Heavy-duty compact, food slicer, S/S and aluminifinish, table type,	450
02-06-00412	GRILL GASEOUS: 800X500 450 high with adjustable levels, floor mounted, s/s	400
02-06-00413	GRILL ELECTRIC: AS above but electric heaters, 10KW, 380V, 3PH,controls, access.	400
02-06-00414	OVEN, GASEOUS: 1000X800X500 depth oven, glass door, adjustable, temp,	400
02-06-00415	OVEN,ELECTRIC: AS above but electric powered 15KW, 380V, 3PH.	600
02-06-00416	FOOD CUTTER: 14 bowl food cutter, all S/S, adjustable speed, easy clearable, with	500
02-06-00417	FOOD MIXING MACHINE: Floor mounted, 1/3hp, 1-pH motor, adjustable speed, mixing	500
02-06-00418	KETTLE ELECTRICAL: 5 LT boiling kettle, electric, controlled ,all S/S with insulated	600
02-06-00419	TEA URN: 20 LT electric tea earns adjustable temp. With thermostat and	600
02-06-00420	POTATO PEELER: Floor mounted 8LT load, 1/2 hp motor with full accessories and	400
02-06-00421	HOT CUPBOARD: 1100X650X800 hight, electric heated, 50-130C,controlled, all S/S,	400
02-06-00422	ICE CUBE MACHINE: Chest type with storage bin, 4 KG/HR ice-making machine, S/S	500
02-06-00423	INSECT KILLER: Hanging U.V.lamp, industrial insect killer with HV grid, collection tray.	1000
02-06-00424	SINK AND TABLE: Heavy guage S/S, round edges, back splash table, double BOW1,	600
02-06-00425	PREPERATION TABLE: Heavy guage S/S, round edges table, mounted on S/S legs, with	500
02-06-00426	MOBILE SINK: Sink (1) mm S/S, on castors, 220 LT with drain valve.	500
02-06-00427	STAINLESS STEEL SHELVING: Heavy guage shelving adjustable hight of 4 shelves per unit, each	500
02-06-00428	CONVECTION OVEN: Electric operated, (10) shelves of 500x650mm upto 180 C. floor	600

02-06-00429	Bench surface protector	10 packets
02-06-00430	Drying cabinet ,large	10
02-06-00431	Drying rack wall mounted & bench top 72 place, 22 place	10for each
02-06-00432	Air condition 2.5ton	30
02-06-00433	Telephone exchange system 200 inter line 10 outer line	10
02-06-00434	Freezer, - 80C	15
02-06-00435	Deep freezer (-70 , -120 C)	15
02-06-00436	Chilled water airconditioning system 50K.W	10
02-06-00437	Aircondition package type 25K.W.	15
02-06-00438	Window type airconditioner 24000 P.t.U	60
02-06-00439	Window type airconditioner 18000 P.t.U	100
02-06-00440	Emissioning water pump 4"	15
02-06-00441	Emissioning water pump 3"	10
02-06-00442	Freezing store room 18m3 -30"C	5
02-06-00443	Cold store room 24m3 - 4" C	5
02-06-00444	Electric hot water boiler 3000 lit3	15
02-06-00445	Refrigerator 6 feet	100
02-06-00446	Refrigerator 12 feet	30
02-06-00447	Coloured T.V 16 inch	200
02-06-00448	Telecommunication unit 400 lines with telephones	5
02-06-00449	P.C. computers	30
02-06-00450	Mechanical & electric tools	10 sets
02-06-00451	Flour mixer capacity 100gm	5
02-06-00452	Bread fertilizer	5
02-06-00453	Baker oven electric	10
02-06-00454	Meat mixer large size	10
02-06-00455	Electric coolr large size	10
02-06-00456	Pick up motor vehicle 1 ton	5
02-06-00457	Clothes washer machine large size	10
02-06-00458	Clothes steam iron machine larg size	5
02-06-00459	Vaccum floor dryer	10
02-06-00460	Hoover (vaccum cleaner)	10
02-06-00461	Dry woop	50
02-06-00462	Double trolly carrige for floor cleaning with woop & seguer	50
02-06-00463	Electric table calculator	20
02-06-00464	Grass grinder electric	10
02-06-00465	Electric arabic printer	25
02-06-00466	Electric english printer	10
02-06-00467	Tool & equipment for mechanical work shop	5set
02-06-00468	Tool & equipment for electronic work shop	5 set
02-06-00469	Closed circuit TV. system	5
02-06-00470	Cameras fixed in operation theaters with out door	10
02-06-00471	Computor for hospital use	5
02-06-00472	Laundry & CSSD central station	5
02-06-00473	Bleep- Doctor call (3 miles range)	for100
02-06-00474	Equipment-dusters	1000
02-06-00475	mist spriying machine holed by back with spare parts	1000
02-06-00476	fogging mechine with spare parts- the A/M item should be	1000
02-06-00477	trailer with spare partes	1000
02-06-00478	hudson x-pert 10 liter with spare partes	2000
02-06-00479	wheal barrow power sprayer 100 liter with spare partes	1000
02-06-00480	IGEPA TF 35 fog generator with spare partes	1000
02-06-00481	IGEPA high performance FOG generator (jumbo) with spare	1000

[illegible]

	<p>c) 2000 lt condensate tank</p> <p>d) blow down receiver complete</p> <p>e) 5 meters chimney</p> <p>f) chemical dosing pump with tank and fitting complete</p> <p>g) 5 year recommended spare parts</p> <p>h) 1 year warranty</p> <p>i) training of 2 engineers in factory</p> <p>j) supervision on installation</p>	
02-06-00494	<p>DUPLEX WATER SOFTENING PLANT</p> <p>SADDAM MEDICAL CITY</p> <p>Supply a duplex water softener :</p> <p>Service flow rate : 90m³/hr</p> <p>Ion exchange resin type : strong cation</p> <p>Ion exchange resin volume: 3800 liters</p> <p>Underbed : coarse and fine gravel</p> <p>Operation mode : automatic / manual</p> <p>Net capacity of softened water per regeneration /unit</p> <p>Regeneration initiation flow meter</p> <p>Salt consumption per regeneration : 430 kg</p> <p>Brine tank recharge capacity : 1.25m³</p> <p>Working presser 5.0 bar max</p> <p>1.72 bar min.</p> <p>electricity supply : 380v, 3 phase, 50 Hz</p> <p>fully wired, piped assembled on skid, control panel fitted ready to full detailed specs and drawings to be submitted</p> <p>Ultraviolet water bacteria removal unit for 10 m³/hr filtered water</p> <p>10 m³/hr filter for drinking water, duplex sand filter with automatic</p> <p>Set of 5-year spare parts, training, supervision on installation, test</p>	<p>10 set</p> <p>15</p> <p>15</p> <p>2Lot</p>
02-06-00495	<p>NURSE CALL SYSTEMS</p> <p>MANUFAC. DUKANE</p> <p>SADDAM MEDICAL CITY</p> <p>SYSTEMS COMPLETE REBUILD, SUPPLY OF REPLACEMENT CALL CORDS, BUTTONS AND ACCESSORIES</p> <p>INSTALLATION, SPARE PARTS FOR 5 YEARS, TRAINING</p>	<p>10 LOT</p> <p>10 LOT</p>
02-06-00496	<p>DOCTOR CALL SYSTEM</p> <p>REPAIR OF NIRA TELESTAR</p> <p>Saddam Medical city</p> <p>Wireless bleep system to cover no less than 5KM radius area,</p> <p>Set of 5-year spare parts, one year</p> <p>3 sets of technical documents, to be included for above</p>	<p>10</p> <p>10 lot</p>
02-06-00497	<p>Electronic master clock system</p> <p>saddam medical city</p> <p>Electronic master clock system consists of :</p> <p>1-master time center</p> <p>2-solid state generator</p> <p>Each hour the master time center should initiate clock</p> <p>Replacement to SIMPLEX CLOCK SYSTEM manufactured by</p> <p>Spare parts for one year operation.</p> <p>Secondary wall clocks, single face.</p> <p>Secondary wall clocks, double face.</p> <p>Set of 5-year spare parts, training, supervision on installation to be</p>	<p>50</p> <p>200</p> <p>100</p> <p>5 lot</p>
02-06-00498	<p>UNINTERRUPTIBLE POWER SUPPLY UPS</p> <p>SADDAM MEDICAL CITY</p>	

	AC POWER STATION 1.5 KVA COMPLETE WITH BATTERIES.					60
	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,					5 LOT
02-06-00499	Central Medical VACUUM PUMP					
	SADDAM MEDICAL CITY					
	VACUUM PUM UNIT COMPLETE					10
	FREE AIR DISPLACEMENT AT ATMOSPHERIC PRESSURE VOLUMETRIC THROUGH PUT AT LINE VACUUM 4050 L/MIN, 7.5KW-MOTOR					
	VACUUM PUM UNIT COMPLETE					10
	FREE AIR DISPLACEMENT AT ATMOSPHERIC PRESSURE 760MMHG 900 L/MIN					
	VOLUMETRIC THROUGH PUT AT LINE VACUUM 2700 L/MIN, VACUUM PUM UNIT COMPLETE					15
	FREE AIR DISPLACEMENT AT ATMOSPHERIC PRESSURE VOLUMETRIC THROUGH PUT AT LINE VACUUM 20250 L/MIN,					
02-06-00500	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 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					5
02-06-00501	equipment : steam sterilizer complete					
	site : saddam medical city					30
	200 it steam sterilizer , multi - purpose steam jacketed stainless as above bute 500 it					10
	ro- water treatment station to suit tow of item 1 above and one of item 2 above					10
	recommended 5- year spare parts training supervision on					5 lot
02-06-00502	PUMPS COMPLETE					
	QTY	power Rev	suction	discharg	capacity 1/s	head
		KW sec	mm	mm		m
	10	30 48	100	75	16.5	80

10	5.5	48	65	50	12.5	35
10	10	48	65	50	14	55
10	11	48	65	50	10	65
10	0.75	24	50	37	4	10
10	18.5	24	150	100	56.25	20
10	1.1	48	31.25	25	3.5	14
10	2.25	24	75	62.5	8.5	12
10	30	24	150	125	28.6	32.8
10	0.75	24	56	50	3.36	7.5
10	2.2	24	86	50	5.28	13.5
10	7.5	24	100	65	15	25.5
10	4	24	125	100	17.42	11
10	2	0.25	40	40	1.5	3
10	4	16	125	125	22.5	9.8
10	3	16	125	125	12.5	9.8
10	2.2	48	50	50	-	-
10	0.75	24	65	65	3.22	7
10	1.1	24	65	40	3	11
10	2.2	24	80	50	4	12
10	1.5	24	80	50	5	11
10	2.2	24	80	50	7	12
10	2.2	24	80	50	8	12
40	4	48	—	75	5	20
20	8	48	—	100	6	20
40	2	48	—	50	4.2	20

02-06-00503	BATTERIES					
	Saddam Medical city Nickel cadmium battery block ,24vdc,280AH,shipped dry with As above but 110vdc,100ah,suitable for electrical switchgears					30 25
	Kitchen equipment saddam medical city					
02-06-00504	Boiling pan,electric: 100 Lt , s/s with water inlet , discharge faucet , LPG control safty					60
02-06-00505	Boiling pan, steam : As above but steam heated, controlled, with all accessories and					10
02-06-00506	deep fryer electric Double well with baskets, covers, all s/s , temperature control, electric operated , 380 V /50 hz /3ph, thermostatic control , timer , with all accessories and spare parts for one year operation.					40
02-06-00507	Cooker, electric range : With oven, 5 ft3, s/s body, burners, dim. Approx. 900*900*800, electric , thermostat control , (18)kw total load , 4 hot plates With all accessories and spare parts for one year operation.					10
02-06-00508	Meat mincer : Heavy duty meat grinder, 1.5 Hp motor capacity, not less than 200Kg/Hr, With all accessories and spare parts for one year operation.					15

02-06-00509	Meat saw : 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.	10
02-06-00510	Slicer : Heavy-duty compact food Slicer, s/s and aluminum finish table	5
02-06-00511	Grill, gaseous : 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.	30
02-06-00512	Oven, gaseous : 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.	40
02-06-00513	Oven, electric : As above but electric powered, 15kw,380V/50Hz/3Ph.	15
02-06-00514	Food cutter : 14" bowl, food cutter, all s/s, adjustable speed, easy cleanable, table mounted, With all accessories, attachments and spare parts for one year operation.	10
02-06-00515	Food mixing machine : 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.	10
02-06-00516	Kettle electrical 5-LT boiling kettle, controlled, all s/s with insulated handles and base. With all accessories and spare parts for one year operation.	40
02-06-00517	Tea urn : 20-LT electric tea urn, adjustable temp. with thermostat and thermometer, level gauge, all s/s, with insulated handles and	25
02-06-00518	Potato peeler : Floor mounted, 8-LT load, 1/2Hp motor, with all attachments, With	10
02-06-00519	Hot cupboard : 110*650*800 height, electric heated, 50-130 C, controlled, all s/s,	15
02-06-00520	Ice cube machine : Chest type with storage bin, 2kg/hr, ice making machine,all s/s,	70
02-06-00521	Insect killer : Hanging U.V. lamp, industrial insect killer with HV grid, collection	60
02-06-00522	Sink and table : Heavy gauge s/s, round edges back splash able double bowl	15
02-06-00523	Preparation table : Heavy gauge s/s, round edges table, mounted on s/s legs, with With all accessories and spare parts for 1- year operation.	10

02-06-00524	Mobile sink : Sink (1)meter s/s, on castors, 220 LT with drain valve. With all				15
02-06-00525	Stainless steel shelving : Heavy gauge shelving adjustable height of 4-shelves per unit				15
02-06-00526	Convection oven : Electric operated, (10)shelves of 500*650mm up to 180C, floor				15
02-06-00527	Medium voltage switchgear saddam Medical city				
	Type	Closing voltage	Tripping voltage		
	Air circuit breaker AH-40C	220vac	24vdc		15
	Air circuit breaker AH-50C	220vac	24vdc		15
	Air circuit breaker AH-40C	220vac	24vdc		10
	Air circuit breaker AH-30C	220vac	220vdc		10
	Air circuit breaker AH-30C	220vac	24vdc		15
	Air circuit breaker AH-30C	220vac	24vdc		10
	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				
	Vehicles saddamMedical city				
02-06-00528	Passengers intercity staff bus .40 to 50				40
02-06-00529	Passegers staff mini bus 20-30 persons ,and as above				40
02-06-00530	Fire fighting vehicle .turntable telescopic up to 30 meters ladder				10
02-06-00531	Fire fighting water tank vehicle of 13000 lt ,with pump				10
02-06-00532	Mini excavator of 1 meter width 30 liters bucket,less than 25hp				10
	5-year spare parts,inspection befor e contracting ,training on				5 Lot
	EQUIPMENT: SUB – STATION SADDAM MEDICAL CITY				
02-06-00533	STEPDOWN TRANSFORMER DELTA/ STAR 11000/400VOLT,				10
02-06-00534	high-voltage switch gear 3-individual				6
02-06-00535	MEDIUM VOLTAGE SWITCH BORD shall				2
02-06-00536	BUSWAYS 5000 AMP. RATING totally enclosed water proof low impedance busways between				160meters
02-06-00537	BUSWAYS, 1600 AMP. RATING. AS ABOVE BUT BETWEEN MAIN SWITCH BORD NAD the the following conditions shall be provided for all above items				750 meters
02-06-00538	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
	12LN17	265	52. 5	335	1440
	12LN17	224	36	372	1440
	ERP80-400	150	140	30	2880
	12LA2	150	25. 5	415	1440
	12LA2	90	30	300	1440
	10LA3	90	30	170	1440
	10LA3	90	43. 3	142. 3	1440
	65WP315	75	132. 5	22. 5	2880
	6L3	55	32	101. 29	1440
	6L3	55	52. 5	52. 24	1440
	65WP315	55	103	22. 5	2880
	ERP60-200	45	190	7. 57	2880
	50wp315	37	103	10	2880
	65WP250	37	68. 6	22. 5	2880
	6L3	37	34	55. 5	1440
	6L3	30	27	98. 5	1440

100WP200	30	37	43. 1	2880	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

02-06-00539	equipment : air compresor trolley units attas capco tank capacity 20 litter model of comp. : LXF 06 motor : 1 ph, 50 hz, 220 v , 0.55 kw	30
02-06-00540	equipment : electric distribution C.B type SACE,50HZ, 3PH, 660V,1600A C.B type SACE,50HZ, 3PH, 660V,1250A C.B type SACE,50HZ, 3PH, 660V,630A Awith motor C.B type BBC 600,50HZ,1PH,(250-380)V,32A C.B type BBC 600,50HZ,1PH,(250-380)V,10A LIP-Air C.B 600V,1600A MCCB,3P,(380-400)V,H,1600A MCCB,3P,(380-400)V,H,1250A MCCB,3P,(380-400)V,H,1000A MCCB,3P,(380-400)V,H,800A MCCB,3P,(380-400)V,H,600A MCCB,3P,(380-400)V,H,500A MCCB,3P,(380-400)V,H,400A MCCB,3P,(380-400)V,H,350A MCCB,3P,(380-400)V,H,250A MCCB,3P,(380-400)V,H,225A MCCB,3P,(380-400)V,H,200A MCCB,3P,(380-400)V,H,175A MCCB,3P,(380-400)V,H,150A MCCB,3P,(380-400)V,H,125A MCCB,3P,(380-400)V,H,100A MCCB,3P,(380-400)V,H,80A MCCB,3P,(380-400)V,H,75A MCCB,3P,(380-400)V,H,63A MCCB,3P,(380-400)V,H,50A MCCB,3P,(380-400)V,H,30A MCCB,3P,(380-400)V,H,20A MCCB,3P,(380-400)V,H,15A ELB-GR-50-2P 220V 30A ELB-GR-50-2P 220V 20A ELB-GR-50-2P 220V 15A ELB-GR-50-2P 220V 150A MCCB 1P 220V 15A MCCB 4P (220-380)V 400A	15 20 40 700 700 15 40 10 40 10 30 8 40 8 400 70 200 120 50 50 184 68 50 122 100 202 112 100 50 50 50 50 400 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	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																				
02-06-00541	magnifier	2																				
02-06-00542	iron (fordrying the negatives photo graphy	2																				
02-06-00543	tanks for film development	8																				
02-06-00544	pumps																					
	<table><tr><td>type</td><td>KW</td><td>Q m^3/hr</td><td>H / m</td><td>r.p.m</td></tr><tr><td>condenser pump /</td><td>11</td><td>102</td><td>22.5</td><td>1430</td></tr><tr><td>chiller pump / horizntal</td><td>14</td><td>81.7</td><td>33</td><td>1430</td></tr><tr><td>sanitary pump for 30m</td><td>5.5</td><td>100</td><td>30</td><td>1435</td></tr></table>	type	KW	Q m^3/hr	H / m	r.p.m	condenser pump /	11	102	22.5	1430	chiller pump / horizntal	14	81.7	33	1430	sanitary pump for 30m	5.5	100	30	1435	
type	KW	Q m^3/hr	H / m	r.p.m																		
condenser pump /	11	102	22.5	1430																		
chiller pump / horizntal	14	81.7	33	1430																		
sanitary pump for 30m	5.5	100	30	1435																		
02-06-00545	Boiler sapcabloc press 3G N-307447 / type 418m / 220-380V / 50HZ / 2-3KVA /	5																				
02-06-00546	inter com system withall accissorice	5																				
02-06-00547	Wall clock with seconds indicator	5																				
02-06-00548	tatelephone-intercom	5																				
02-06-00549	Air compressor compressor with tank 400L/M - 7Kg/cm^2 3.7KW 3Q 380V air tank capacity :- 929 liter one work other stand by - alternative working ins tallation for system spare part for 5 years training for staff catalog for mainteinance and operation and installation	44																				
02-06-00550	Medical oxygen units 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.	6																				
02-06-00551	condensor water pump 400V 1500r.P.m 3Q 6"X6"	10																				
02-06-00552	Mini bus passanger shaft mini bus 10-20 person gasolen engine air conditioning and heating power steern manual gear with floor shift	700																				

	<p>two doors on the front,one in each side with middle door in the right sid</p> <p>all around window ,each side window is double and slading</p> <p>two view mirror in eacg side and one internal radio and cassette recorder all execary should be heavy duty spare part for tow years</p>	
02-06-00553	<p>Motor cycle Petrol Engine Suitable size Capacity of carrying:- Two persons. Equipped with full accessories Warranty & Maintenance for 2 years Lest of spare part for 2 years Training for 3 technicians</p>	600
02-06-00554	<p>Motor cycle with side vehicle Petrol Engine Suitable size Capacity of carrying:- Three persons. Equipped with full accessories Warranty & Maintenance for 2 years Lest of spare part for 2 years Training for 3 technicians</p>	700
02-06-00555	<p>garbage collection vehicle 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 7- tires :single front dual rear 8- steering :left hand steering ball mute type with integral type 9- front suspensions : laminated leaf springs with shock absorbers 10- rear suspensions : laminated leaf springs 11- front :parallel tapered channel section type with crossmember 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 fan: multi- blades steel 18- Caution Plate : Arabic 2) garbage container 1- container volume : (12-16) m3 2- contanier structure :suitable steel or metal 3- loading mechanism :- hydraulically controlled mechanical press 4- with full accessories for all vehicle & container *training for three technicians * warranty & maintenance for tow years *lest of spare part for 2 years</p>	200
02-06-00556	<p>Eleveters 1-technical opecifications a-full electronic control sistem for operation and level selection b-type of control 3V -3F,elevater continioys speed : (0.5-2.5)</p>	

	c-door opnning : automatic and swing according to the site d-emergency power supply (ups) providing necessity electric e-ambient temperature 0-50C and 90% hum f-the system contain data terminal (pc-bored)for operation g-the system contain (4)four stopping stages at final up and final h-the carriage module from stainless-steel with smooth 2-installation equipments on sites with all accessories. 3-one year warranty and two years maintenance after period of 4-training on factory for 6-technical staff x 3weeks and local training 5-spare parts for 5 years 6-quantities as per schedule.																																						
	<table> <tr> <th>type</th><th>180 kg</th><th>500 kg</th><th>750 kg</th><th>1000 kg</th><th>1200 kg</th><th>1600 kg</th><th>2000 kg</th></tr> <tr> <td>passenger</td><td>—</td><td>90</td><td>90</td><td>80</td><td>—</td><td>—</td><td>—</td></tr> <tr> <td>bed lift</td><td>—</td><td>—</td><td>—</td><td>—</td><td>90</td><td>100</td><td>90</td></tr> <tr> <td>service</td><td>20</td><td>—</td><td>50</td><td>—</td><td>—</td><td>—</td><td>50 hydrol ic</td></tr> </table>	type	180 kg	500 kg	750 kg	1000 kg	1200 kg	1600 kg	2000 kg	passenger	—	90	90	80	—	—	—	bed lift	—	—	—	—	90	100	90	service	20	—	50	—	—	—	50 hydrol ic						
type	180 kg	500 kg	750 kg	1000 kg	1200 kg	1600 kg	2000 kg																																
passenger	—	90	90	80	—	—	—																																
bed lift	—	—	—	—	90	100	90																																
service	20	—	50	—	—	—	50 hydrol ic																																
02-06-00557	Medical oxygen plant — complete liquid oxygen production plant capacity: 75LIT.liquid/hour purity :not less than 99.5% (including an electrical analyzer on line) air compressor type — oil free — reciprocating — suction temp. (50-60)c — low pressure storage and filling station — one liquid storage tank (capacity:10000lits) — complete common cylinder filling plant with dual charging including the following (for each plant) — 2sets of instruction manuals operation and maintenance — 2sets of spare parts catalogues — 2set of special tools spare parts spare parts for five years operation as recommended by the guarantee 12 months from the date of start up training training of two technicians during four weeks at the factory	200																																					
02-06-00558	POWER SUPPLY U.P.S steady 220V output voltage, with NICD or sealed acid batteries, 1KVA 2 KVA 3 KVA 5 KVA 10 KVA 60KVA																																						
					100																																		
					100																																		
					60																																		
					150																																		
					60																																		
					40																																		
02-06-00559	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 consist of 1- air cooled condenser 2- cold water pumps 3-exhaust air handling 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 6-spare parts for five years 7- training for 3 engineer in the manufacturer factory																																						
	capacity				qty																																		
	2 ton				60																																		
	5 ton				120																																		
	10 ton				60																																		
	15 ton				20																																		

	20 ton	60
	30 ton	4
02-06-00560	digital ISDN network * the system consist of following no. central station (exchange) * the communication way between the control station and the * the system able to be connected with fier alarm system and * istallation including all necessary accissories * warrenty one year from operation time maintenance tow years after period of warrenty * spare parts for 3 years * traning on factory of equipment and local training during	5
02-06-00561	specification of fire fighting system (automatic - sprinkler design manfacutre diliver and installation of an automatic roop site specification :- 1- effective warehouse area 8000 m2 , height 10m 2- effective warehouse area 12500m2 , height 6m 3- effective warehouse area 2000 m2 , height 4.5m 4- effective warehouse area 2500 m2 , height 11m 5- effective warehouse area 10000 m2 , height 5m 6- effective warehouse area 25000 m2 , height 14m 7- effective warehouse area 20000 m2 , height 8m the equipment requirement a- all necessary pipe work fitting hanger and sprinkler heads b- all necessary installation controlling valve and ander ground main to c- pump house complete with pipe work including valves and fittings d- three automatic fire pumps two electrical and one diesel driven each rated e- one 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 extitination and fir caben with hose l- spare parts for 3 years j- warrrnty one year (label + material) and two year mantinance k- training of factory of equipment for 3 technicians	
02-06-00562	transformer 1000 kva , 11 kv/380 v , 2500a, delta /star , 50 hz , oil cooling 2000 kva , 11 kv/380 v , 2500a, delta /star , 50 hz , oil cooling 630 kva , 11 kv /400v-240v, delta/star, 50 hz ,oil cooling 360 kva , 11kv / 400-240v, delta/star ,50hz , oil cooling	

pumps								
	pump use	head m	q l/min	size	kw	volt	type	no
02-06-00563	fire pump /fp1	90	750	100	22	380	centrifugal pump	48
02-06-00564	lift pump /lp1	50	1400	125	22	380	centrifugal singal suction	48
02-06-00565	lift pump /lp2	25	750	50	5.5	380	singal suction volut pump	48
02-06-00566	chilled water pump p-2	20	6150	20x150	30	380	centrifugal pump	48
02-06-00567	chiller water /p-3	38	2320	125x100	30	380	centrifugal pump	48
02-06-00568	chiller water /p-4	38	4980	200x150	45	380	centrifugal pump	48
02-06-00569	chiller water /p-5	47	4520	150x125	55	380	centrifugal pump	48
02-06-00570	condenso r water pump p-1	20	7580	200x150	37	380	centrifugal pump	48
02-06-00571	softener pump p-11	25	160	40	2.2	380	in line pump	48
02-06-00572	lift pump p-12	55	100	40	3.7	380	singal suction	48
02-06-00573	make up water pump p-13	15	180	40 p2	1.5	380	centrifugal pump	48

02-06-00574	condensor water pump p-14	15	70	65x40	1.5	380	centrifugal pump	48
02-06-00575	circulation hot water pump p-6	10	1410	100x50	3.7	380	centrifugal pump	48
02-06-00576	circulation hot water pump p-7	37	480	65x4	5.5	380	multistage centrifugal	92
02-06-00577	circulation hot water pump p-8	36	1250	125x2	15	380	multistage centrifugal	92
02-06-00578	circulation hot water pump p-9	45	1100	100x3	15	380	multistage centrifugal	92
1-give complete catalog for the pump 2- 5 years spare part 3-training for the staff 4-grantee for one year operation 5-installation for one site. 6-the meal of the pump must be suitable to have long life with the type of								
02-06-00579	softener pump							
	kw	r.p.m	Q L/S	Hm	QTY			
	2.2	1500	5.5	15	50			
	5.5	1500	20	25	50			
02-06-00580	water pump for tower							
	kw	r.p.m	Q L/S	Hm	QTY			
	2.2	1500	7.5	12	70			
	7.5	1500	16	27	50			
	15	1500	33	25	50			
	37	1500	108	23	50			
	22	1500	75	20	60			
02-06-00581	boiler feeding pump							
	kw	r.p.m	Q L/S	Hm	QTY			
	5.5	3000	16.6	80	100			
	4.5	3000	6	13	1			
02-06-00582	chemical dosing pump/ with 500 litter tank and mixer							
	kw	r.p.m	Q L/S	Hm	QTY			
	0.3	1500	5	60	50			
02-06-00583	horizontal pump							
	kw	r.p.m	Q L/S	Hm	QTY			
	1.1	1500	2	15	30			
	5.5	3000	15	60	30			
02-06-00584	vertical pump							
	kw	r.p.m	Q L/S	Hm	QTY			
	2.2	3000	7	50	30			
	4	3000	3	85	50			
02-06-00585	circulation pump							
	kw	r.p.m	Q L/S	Hm	QTY			
	2.2	1500	5.5	25	100			
	5	3000	3	8m (hot water)	1			
02-06-00586	submersible pump							
	kw	r.p.m	Q L/S	Hm	QTY			
	3	3000	3.5	15	100			
	7.5	1500	20	15	100			
	22.5	3000	125	13	5			
02-06-00587	fire pump							
	kw	r.p.m	Q L/S	Hm	QTY			

	0.75	3000	1.5	60	20
	5.5	1500	21	35	100
	37	3000	33	66	20
02-06-00588	water pump for heating				
	kw	r.p.m	Q L/S	Hm	QTY
	2.2	1500	12	21	30
	5.5	1500	10	25	20
	7.5	1500	82	15	50
	11	1500	28	22	20
	15	1500	18	45	25
	18.5	1500	36	33	20
	ware house requierment				
02-06-00589	folding end trolleys capacity 150 kg				200
02-06-00590	manual and electrictric stackers capacity 250 kg				40
02-06-00591	folding work shop caranes capacity 1000 kg at 1 m				40
02-06-00592	cylinder trolly capacity 200 kg				100
02-06-00593	sterilizing water for theter room ultraviolet water purifiers Water sterilizing system to treat water for theater rooms. The _ Installation of the system, _ 2 years full warranty, _ 3 years maintenance post warranty period, _ training of professionals at the manufacturer factory (ies), and _ Local training of staff. The offer should include a detailed priced list of recommended An irrecoverable complete sample system should be delivered The system should be composed of the following units; A. A pretreatment filtration unit of (2-3) stages with the final stage B. Compact water softener (50% OF Qty). C. UV sterilization unit with adequate power to insure efficient _ be of stainless steal, _ have quick lamp change, _ have lamp life not less than 8000-10000 hours of continuous _ Have UV intensity sensor and control unit with indicator light.				400
02-06-00594	VEHICLE PICK-UP DOUBLE CABIN 1. PETROL ENGINE WATER COOLED 2. MANUAL GEAR BOX, FLOOR SHIFT 3. STEERING POWER STEERING LEFT HAND DRIVE 4.ELECTRICAL EQUIPMENT'S: BATTERY 12V-60AMP HEAVY 5.AIR-CONDITIONING FOR DRIVER CABIN (HEATING AND 6. SUSPENSION: HEAVY DUTY 7. TIRES WITH TUBES: SUITABLE FOR DIFFERENT ROADS 8. CABIN: SINGLE CABIN WITH DOOR IN EACH SIDE. 9. MIRRORS: TO BE EQUIPPED WITH TWO SIDES MIRRORS 10.ACCESSARIES: TO BE EQUIPPED WITH JACK + WHEEL 11.LOADING CAPACITY: FROM (1-2)TONS 12.ALL MATERIALS INSERTED IN THE CONSTRUCTION OF 13.MAINTEMANCE FOR ALL VEHICLES FOR TWO YEARS ON				700
02-06-00595	digital camera				10
02-06-00596	video projector				10
02-06-00597	CD- player				10
02-06-00598	air handlig unit supply 162 m3/h cooling and heating inlet water temp. : 7-w(in) 5-8C outlet water temp.: w(out) 12-2C capacity : 7-25738 colh 2-72100 m3/h				1
02-06-00599	air handlinunit 240x230x230 cm capacity 14800 ft3/min inlet cooling 10 c out let colling 14c inlet heating 70c outlet heating 60c power Q 1359 pm H 60ft				12
02-06-00600	air handlinunit 225x196x112 capacity 14800 ft3/min inlet cooling 10 c out let colling 14c inlet heating 70c outlet heating 60c				5

	power Q 1359 pm H 60ft	
02-06-00601	290x280x230 capacity 14800 ft3/min inlet cooling 10 c out let colling 14c inlet heating 70c outlet heating 60c power Q 1359 pm H 60ft	5

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					10
02-06-00602	10	137980	11700	60	rase 60 ase 60 gle krra	rabr 13 30/72	2	2	1500x1 3 1800x1 3	3 2	51597	10	30	10
02-06-00603	4	72245	5700	25	rabr-b 25/62	—	2	2	1300x1 3	2	47318	—	—	10
02-06-00604	20	173900	1800	60	rase 60	rabr b 35/80	2	2	2240x1 7 1800x1 3	4 2	52479	10	35	10
02-06-00605	25	296142	22500	70	rase 70	rae-40-nppb	2	2	2430x1 7 1500x1 3	2 2	85995	10	40	10
02-06-00606	7.5	143543	11900	45	rase 45	pase 35	2	2	1500x1 3 1320x1 3	2 2	57330	10	30	10
02-06-00607	7.5	157515	13000	45	rase 45	rabr b 30/72	2	2	1500x1 3 1320x1 3	2 2	47593	10	30	10
02-06-00608	10	67780	14500	60	rase 60 ase 60 gle krra	pase 45	2	2	1500x1 3 1412x1 3	3 2	17000	4	45	10
02-06-00609	5.5	46343	8600	30	rabr-b 30/72	rabr-b 30/72	2	2	1320x1 3 1320x1 3	2 2	48040	3	30	10
02-06-00610	5.5	51595	8800	30	rabr-b 30/72	rabr-b 30/72	2	2	1320x1 3 1262x1 3	2 2	3500	3	30	10
02-06-00611	5.5	41254	7000	30	rabr-b 30/72	rabr-b 25/62	2	2	1262x1 3 1262x1 3	2 2	20700	3	25	10
02-06-00612	7.5	73430	11500	45	pase 45	rabr-b 30/72	2	2	1562x1 3 1250x1 3	2 2	44300	4	30	10
02-06-00613	5.5	59454	9400	30	rabr-b 30/72	rabr-b 30/72	2	2	1250x1 3 1000x1 3	2 2	29200	4	30	10
02-06-00614	7.5	59525	9400	30	rabr-b 30/72	rabr-b 25/62	2	2	1437x1 3 1202x1 3	2 2	55000	2	25	10
02-06-00615	4	31950	5700	25	rabr-b 25/62	rabr-b 25/62	2	2	1412x1 3 1180x1 3	2 1	7500	1.5	25	10
02-06-00616	7.5	149604	12000	45	pase-45	—	2	—	1857x1 3	2	45200	—	—	10
02-06-00617	7.5	80396	13000	45	pase-45	pase-45	2	2	1582x1 3 1412x1 3	2 2	69560	5.5	45	10

	50	30
	60	40
	60	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
02-06-00652	5x2.75x2.75	1150	20	26871	ZH218	8184	10
02-06-00653	4x2x2	1400	20	22881	ZH215	8184	10
02-06-00654	7.5x2.5x1.75	1230	15	17119	ZH215	81.8.4	10
02-06-00655	7.5x2.5x1.5	1350	15	23848	ZH215	81.8.4	10
02-06-00656	5.75x2x3	1350	20	23220	ZH215	8184	10
02-06-00657	3x1.75x2.25	2250	tow-9	10678	ZH115	8184	10
02-06-00658	4.75x3.5x2.75	1200	20	25424	ZH218	8184	10
02-06-00659	4.75x3.5x2.75	1380	10	13559	ZH1211	8184	10
02-06-00660	8.5x1.75x2.25	1280	15	15424	ZH215	81.8.4	10
02-06-00661	6x1.5x1	2900	1-5.5	5085	ZH109HG	81.8.4	10
02-06-00662	4.75x2x1.5	1320	3.3-13	17458	MZH215	8184	10
02-06-00663	6.5x1x1.5	3300	.7-3	3153	ZH108HG	81.8.4	10
02-06-00664	6.5x1x1.5	3300	.7-3	3153	ZH108HG	81.8.4	10
02-06-00665	4.75x3.5x2.75	1050	20	29153	ZH222	8184	10
02-06-00666	5x1.5x2	1400	10	14537	ZH215	81.8.4	10
02-06-00667	3x1.75x2.25	2000	7.5	8485	ZH115	8184	10

NOTES :

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

MEURO - SURGERY CENTER

LUNDRY EQUIPMENT

02-06-00668	side loading washer 50 kg	60
02-06-00669	centrefugal extractor 30 kg/load	40
02-06-00670	drying tembler 25 kg/load	40
02-06-00671	canvas truck	120
02-06-00672	strach cooker	20
02-06-00673	flate work ironer 50 kg/hr	40
02-06-00674	hand ironer board	80
02-06-00675	swing machine	40
02-06-00676	ottlity press machine	80
02-06-00677	electrical steam boiler 20 BHP capac. At apressure of 11kg/cm2	20
02-06-00678	air compressor with cylinder 0.07 m3/min capac. At apressure of 6 kg/cm2 cylinder rolame 120 l	20
02-06-00679	disinfected washing machine	80

ELECTRICAL EQUIPMENT

02-06-00680	high tension panal with short circuit current (25 ka)	10
02-06-00681	high tension cable , XLPE type with (750) m length	6x150 mm2
02-06-00682	isolated transformer	12
	with their control panales	
	capacity (25 kva)	10
	capacity (16 kva)	10

KITCHEN EQUIPMENT

02-06-00683	scale 1 kg	20
02-06-00684	scale 25kg	20
02-06-00685	scale 5 kg	20
02-06-00686	weighing machine 100 kg	20
02-06-00687	potata peeler 5kg /load	40
02-06-00688	vegetable mill 300 kg /hr	40
02-06-00689	chopping black 50x50x65 cm	40
02-06-00690	meat mincer 2 kg /hr	40
02-06-00691	backing oven gaseous loven 2 deck each 80x90x120cm	40
02-06-00692	mixing machine 10 lit	40
02-06-00693	refrigerator 420 lit	80
02-06-00694	range gaseous (general purpose) 6 plate - 1oven	40
02-06-00695	oven gaseous (each one of 80x90x170 cm)	40
02-06-00696	boiling pan gaseous 35 lit	60
02-06-00697	boiling pan gaseous 50 lit	60
02-06-00698	gaseous fry range	40
02-06-00699	grill gaseous	40
02-06-00700	hot cub board	20

02-06-00701	dish washer 640 pieces/hr	60
02-06-00702	heated trolley	240
02-06-00703	general purpose trolley	240
02-06-00704	cold cup board	40
02-06-00705	electrical water cooler 40 lit/hr	40
02-06-00706	hood	20
02-06-00707	bin on castors 6 kg	40
02-06-00708	bin on castors 12.5 kg	40
02-06-00709	bin on castors 25 kg	40
02-06-00710	bin on castors 50 kg	40

VIDEO BEAMER		
02-06-00711	large avitoriom high lumihsoty for use in light remote controlled ,complete system with link to	20
02-06-00712	slide projector	80
02-06-00713	over head projector	120
02-06-00714	cooling tower schedule	

no req.	type	heat rejection	ambint W.B temp. C	water temp.		water qty. L/min	fan motor kw	electrical		
				In	Out			V	PH	HZ
70	indused draft	869400	26	35	30	2611	15	380	3	50

02-06-00715	air washer schedual													
	no. req	type	locatio n	summer			winter (heating coil)							
				amb. Temp wb c	press. Nozzle m.w.g	water circulation lit/min	grand total heat kcal/hr	air temp c				water temp.c		water qty lit/min
								in		out		in	out	
								DB	WB	DB	WB			
	10	double bank spray	block c on the roof	26	25	750	431680	1.5	0.8	33.5	5.5	82	71	650

extractor fan

RE NO.	location	air capacity m3/hr	no. req	pressure drop mm.w.h	input kw	electric v/ph/hz
RE-16	A"	1460	5	4	0.12	220/1/50
RE-17	B	1300	5	3	0.065	220/1/50
RE-18	B	12000	5	10	1	380/3/50
RE-19	B	3400	5	7	0.3	220/1/50
RE-20	B	2210	5	7	0.3	220/1/50
RE-21	B	1530	5	5	0.2	220/1/50
RE-22	B	1020	5	5	0.2	220/1/50
RE-23	A`	2430	5	5	0.5	220/1/50
RE-24	A"	1785	5	5	0.5	220/1/50
RE-25	A"	3100	5	5	0.75	220/1/50
RE-26	A"	340	5	3	0.3	220/1/50
RE-27	A"	1445	5	5	0.5	220/1/50
RE-28	A"	3215	5	5	0.5	220/1/50
RE-29	A"	2516	5	5	0.5	220/1/50
RE-30	A"	1600	5	3	0.3	220/1/50
RE-31	A"	1900	5	3	0.5	220/1/50
RE-32	A"	2265	5	3	0.5	220/1/50
RE-33	A"	1700	5	3	0.5	220/1/50
RE-34	A	1657	5	3	0.3	220/1/50
RE-35	A` A`	1000	10	3	0.3	220/1/50

02-06-00736	hood	
	stainlees steel hood used for labortary to be installed above sterilizer with following dimension 1500x600	10
02-06-00737	water cooler 40 l/h cooled to 10 c electric supply 220/1 ph/50 stainlees steel ,anti-splash top equipped with non-clogging and easy to clean integral stranier grid the	70
02-06-00738	window type 2 ton with heater capacity 3.6 kw	15
02-06-00739	window type 1.5 ton with heater capacity 3 kw	15
02-06-00740	window type 1 ton with heater capacity 2.6 kw	25
02-06-00741	split unit 2 ton with heater capacity 3.6 kw	15
02-06-00742	x-ray window 1.5x1.2m w/load glass	15
02-06-00743	x-ray door fram 1.8x2.35 m w/load sheilding	15
02-06-00744	x-ray door fram 0.9x2.1 m w/load sheilding	15
02-06-00745	drinking water storge tank made of hot pressed steel plate of dimension (1.22x1.22) and thickness (7.32x4.88x2.44) m (4.88x2.44x2.44)m	2 2
02-06-00746	inclarator of 300 kg /hr	2
02-06-00747	BED HADE UINT	18 UINT
	each one of bed hade unit comprifing the following * general light 40 w with lamp	2

	* read light 20 w with lamp	2
	*cord pull switch with lamp for nurse call station	2
	* intercom unit	2
	* doubl switch socket 13A	4
	*exam light with lamp	2
	*extra examenstion light with lamp shipt 44 seperatly	88
02-06-00748	cold room temp.: -20C to +20 C dimention (H 2.5 m- W3 m- L3m) cold room 2 stage unites	20
02-06-00749	santiry hot water with hot pump power 3kw , rev 1450 sec , suction 79 mm, discharge 64mm, capacity 14 l/min , head 30m	10
02-06-00750	SPECIFICATIONS FOR TANK TRUCK (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 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 cylindrical tank * Tank construction: tank assembly of elliptical shape, constructed with steel plate by electric welding * 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 b- Hose wrench * 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 * 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 b- Suction hose 65 dia x 10m c- Tool box one mounted on frame	400
		2 PCS 2 PCS
		1 PC 1 PC

	* 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 And the tank has the parts and equipment that is necessary in the use and carrying the drinking * Loading and emptying: Loading by pumping and by normal feeding from upper manhole Emptying : by pumping and by gravity	
02-06-00751	over head projection	10
02-06-00752	slide projection	10
02-06-00753	flower making machine	10
	flower making machine with spaer parts warranty 2 years maintenance two years capacity one ton per	
02-06-00754	grain crushing mashine mashine	10
	grain crushing mashine mashine with four different pore size sleeve capacity one ton per hour	
02-06-00755	mixer	10
	mixer capacity (1000 KG/HR)	
02-06-00756	oven	15
	oven with fan- hot air for drying animal food medium size	
02-06-00757	pasute making machine	10
	pasute making machine capacite 100 KG/HR	
02-06-00758	hot water boiler 2.5 ton /hr	10
02-06-00759	sealed-acid battery 70A/H/long life	600
02-06-00760	sealed-acid battery 135A/H-long life	30000
02-06-00761	sealed-acid battery 200A/H-long life	1000
02-06-00762	Ni-cd-battery 6A/H 6V	400
	Targeted Nutrition Programme	
02-06-00763	field vehicle Transportion of supplies and Monitoring / supervision of the programme	200 each
02-06-00764	Computer (1 per grovermorat , 2 of Baghdad and 4 for NRI) to improve CCCU/PHC	20 each
02-06-00765	Fork lift 3 ton (to be used storage places at Governorate for high protein biscut and	20 each
02-06-00766	Motorcycle (one for each PHC center for monitoring at field level)	1000 each
02-06-00767	electric cooking heater (for use at PHCs)	3,100 each
02-06-00768	ceiling fans (for use at PHCs/CCCUs)	3,100 each
	North of Iraq / health	
02-06-00769	Water tank trunk 8-10000 liter capacity , LHD with Export Specs for Iraq & manuf.	2
02-06-00770	equipment :AHU 11KW 1500r.p.m 20ton H=1m L=3.5m W=2.2 diameter inlet pipe and out let pipe = 3"	15
02-06-00771	equipment :AHU h=1.5m L=2.3m W=1.85m diameter inlet pipe=2.5" out let pipe=2.5"	15
02-06-00772	equipment :AHU h=1.9m L=2.9m W=2.35m diameter inlet and out let pipe=2.5"	5
02-06-00773	equipment :AHU 1-dimensions 165cm x 172cm 2-R.P.M (1500-300) 3-power (380V) (1-4.1KW) 4-waten temp water in 8C water out 14c 5-No.of liner One line in and one line out only 6-water flow 13m ³ /hr . Air flow 2200/5500m ³ /hr 7-heating and cooling kind 8-built in operation theater	10
02-06-00774	equipment :AHU 1-power 10HP 7.5HP 2-capacity 30ton 25ton 3-GPM 8000 6000 4-heating and cooling kind 5-bailt in imergeney operation theater pation room	30
02-06-00775	equipment :AHU 1-dimensions (L.W.H) 2.37m . 1.43m . 1.07m 2-water temp. water in 6C water out 10C	15

	3-No.of liner (one coil for heating and cooling) 4-bait in bart (6,5,8,9) 5-head feet 99,GPM 528,R.P.M 1450 6-heating and cooling kind 7-bait in patiot rooms	
02-06-00776	equipment :AHU 1-dinensions (H.W.L) (1.1m ,2.92m, 4.15m) 2-capacity (80ton) 3-30HP-1500R.P.M 4-water temp. water in 7C water out 8C 5-heating and cooling kind 6-in side hospetial	10
02-06-00777	equipment :AHU 1-dimensions 2mx2.5m 2-capacity 1200CFM - 8000CFM 3-water head 35m 4-water temp. water in 8C water out 15C 5-heating and cooling kind 6-no. of lines. (revezsed kind) (one line in and one line out) 7-bait in imergency and pations rooms	15
02-06-00778	equipment :Oxygen factory 1-type (10X-100) 2-production capacity 100 liter/hour 3-purity99.5-99.9% 4-voltage 380V 5-current 600-100A 6-oxygen container of 22000 liter with a- oxygen gas pump b-charging desk	10
02-06-00779	equipment :sterilizing water for theter room ultraviolet water purifiers Water sterilizing system to treat water for theater rooms. The system is to deliver water at a rate of 1 l/s. _ installation of the system, _ 2 years full warranty, _ 3 years maintenance post warranty period, _ training of professionals at the manufacturer factory (ies), and _ Local training of staff. The offer should include a detailed priced list of recommended spare parts for 5 years of operation, An irrecoverable complete sample system should be delivered along with the offer. The system should be composed of the following units; A- A pretreatment filtration unit of (2-3) stages with the final stage of pore size less than 1µ. B- UV sterilization unit with adequate power to insure efficient sterilization of water. The unit should; _ be of stainless steal, _ have quick lamp change, _ have lamp life not less than 8000-10000 hours of continuous operation _ Have UV intensity sensor and control unit with indicator light.	20
02-06-00780	freeze dryes malti shell shell area 5m ² temp range -50 _ +70 vacum pump 10m ³ /hr 220 _ 240V	5
02-06-00781	deep freezer stainless steel intesior capacity 200 _ 250 liters miuoprocessor control digital display tempretare -220 _ -85C 220 _ 240V	10
02-06-00782	vacum packiging + sealing machine 220 - 240V	10
02-06-00783	laminas flow cabinet with bench _ speed control rate 100 fpm 220 _ 240V	10
02-06-00784	analytical balance weishing capacity 205gm 220 _ 240V	10
02-06-00785	drying / sterilization cabin (bio haz and # biological UV light 220 _ 240v	10
02-06-00786	A W U.(air washer unit) tupe 2 bank conter flow type centerfugul single suction fan fan section :-back ward 2nclined blade sizedia.:- 750mm width 188mm no V-belt :-3	10

	jupply air volume 25900 cmH X 106MMAQ returnn air volume OCMH,out door air volume 25900 CMH motor 15KW , 3Q , 380V , 50HZ heating coil air section :capacity :- 144000 KCAr/H watir flow rate 200L/min water temp (in-out) 83c/71c air temp:-(in-out) (-1.0-15.0) rows & fin ptch 2rows x 2.9mm hatinial copper tube aluminin filter ass:- NBS 35%																																																								
02-06-00787	. Tyres and Tubes Required For Health Institutions in Iraq 600 x 14 650 x 14 700 x 15 750 x 16 205 x 16 650 x 16 1200x 20 1100x 20 1200x 24 1000x 20							1500 1500 2000 1500 1500 1000 1000 1000 500 250																																																	
02-06-00788	computer computer network to cover pentium 111 with acc:malti media digital camera P.C viewer scanner colour printer printer-laser jet portable screen C.D read-write C.D row flophy disc video blaster with cammera modem							50 10 10 38 12 84 38 10 2500 6000 13 40																																																	
02-06-00789	battery charger <table><thead><tr><th>typ</th><th>capacity</th><th>power KW</th><th>charging current</th><th>out put voltage</th><th>in put voltage</th><th></th></tr></thead><tbody><tr><td>cadmium Qsc50-86</td><td>50AH/5HR</td><td>2.1KW</td><td>15A</td><td>E130-DCV</td><td>380V</td><td>10</td></tr><tr><td>QE200E-20</td><td>200AH/HR</td><td>1.36KW</td><td>40A</td><td>F27-DCV</td><td>380V</td><td>10</td></tr><tr><td>QE200E-20</td><td>200AH/HR</td><td>1.36KW</td><td>40A</td><td>E29.4-DCV</td><td>380V</td><td>10</td></tr><tr><td>Qfw600E-20</td><td>600AH/HR</td><td>3.4KW</td><td>100A</td><td>F27-DCV</td><td>380V</td><td>10</td></tr><tr><td>QKC80E-40</td><td>80AH/5HR</td><td>1.92KW</td><td>13. 75</td><td>F56.8DCV</td><td>220V</td><td>10</td></tr><tr><td>QKC80E-40</td><td>80AH/5HR</td><td>1.92KW</td><td>13. 75</td><td>E60.8DCV</td><td>220V</td><td>10</td></tr></tbody></table>							typ	capacity	power KW	charging current	out put voltage	in put voltage		cadmium Qsc50-86	50AH/5HR	2.1KW	15A	E130-DCV	380V	10	QE200E-20	200AH/HR	1.36KW	40A	F27-DCV	380V	10	QE200E-20	200AH/HR	1.36KW	40A	E29.4-DCV	380V	10	Qfw600E-20	600AH/HR	3.4KW	100A	F27-DCV	380V	10	QKC80E-40	80AH/5HR	1.92KW	13. 75	F56.8DCV	220V	10	QKC80E-40	80AH/5HR	1.92KW	13. 75	E60.8DCV	220V	10	
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02-06-00790	Mobile lab. For air pollution monitoring (sampling and analysis system)containing (high volume							20																																																	
02-06-00791	Mobile water lab. Carried by a car containing (pH meter , turbidometer, portable spectrophotometer							20																																																	
02-06-00792	Mobile lab. for monitoring Environmental Background Radiation with all accessories							15																																																	
02-06-00793	Sodium iodide crystal with multichemical analyzer							15																																																	
02-06-00794	Portable dust samplers							15																																																	
02-06-00795	Portable dose (dose- rate) meter							15																																																	
02-06-00796	automatic developing and fixing system for processing personal films							10																																																	
	Accessories for Rotork analysis model 400 - CO analyzer (Rotork co) :-							10																																																	
02-06-00797	Mannual for model 400dual been infrared analyzer							10																																																	
02-06-00798	Calibration gas cylinder (50 ppm)							10																																																	
02-06-00799	boat for river survay (8 horse , using benzene as fule capacity 7 persons							32																																																	
02-06-00800	power supply <table><thead><tr><th>V in-pot</th><th>V out-pot</th><th>AM</th><th>KW</th><th>capaste battrey</th><th></th><th>QTY</th></tr></thead><tbody><tr><td>24V DC</td><td>380V DC</td><td>30A</td><td>15KW</td><td>182*2</td><td></td><td>36</td></tr></tbody></table>							V in-pot	V out-pot	AM	KW	capaste battrey		QTY	24V DC	380V DC	30A	15KW	182*2		36																																				
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24V DC	380V DC	30A	15KW	182*2		36																																																			
02-06-00801	Passengers intercity staff bus .40 to 50 passengers,automatic doors ,diesel engine,air							200																																																	
	AXIAL AEROFOIL AND PROPELLER EXHUST FAN <table><thead><tr><th>fan NO.</th><th>block location</th><th>TYPE</th><th>capacity m3/hr</th><th>no. req</th><th>external static pressure m.w.a</th><th>input kw</th><th>electric characteris hi</th></tr></thead><tbody><tr><td>02-06-00802</td><td>R.F16</td><td>B</td><td>axial aerofoil with motor inside case.</td><td>14000</td><td>5</td><td>10</td><td>4</td><td>380/3/50</td></tr></tbody></table>							fan NO.	block location	TYPE	capacity m3/hr	no. req	external static pressure m.w.a	input kw	electric characteris hi	02-06-00802	R.F16	B	axial aerofoil with motor inside case.	14000	5	10	4	380/3/50																																	
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02-06-00802	R.F16	B	axial aerofoil with motor inside case.	14000	5	10	4	380/3/50																																																	

02-06-00803	R.F17	A	axial aerofoil with motor inside case.	5950	5	5	2.5	380/3/50
02-06-00804	R.F18	A	axial aerofoil	4180	10	7	2.5	380/3/50
02-06-00805	RF.19	A	axial aerofoil	5830	5	10	3	380/3/50
02-06-00806	RF.20	A	axial aerofoil	2870	5	10	1.5	380/3/50
02-06-00807	RF.21	A	axial aerofoil	4280	5	6	1.5	380/3/50
02-06-00808	RF.22	A	axial aerofoil	2500	5	7	1	380/3/50
02-06-00809	RF.23	A	axial aerofoil	5000	5	7	3	380/3/50
02-06-00810	EX.6	A"-ground	axial wall mounte d	1200	5	5	0.3	1/220/50
02-06-00811	EX.7	A"-ground	axial wall mounte d	2400	1	5	0.6	1/220/50
02-06-00812	EX.8	A"-ground	axial wall mounte d	450	1	3.5	0.2	1/220/50
02-06-00813	EX.9	A"-ground	axial wall mounte d	700	1	3	0.2	1/220/50
02-06-00814	EX.10	A"-ground	axial wall mounte d	3400	1	6	0.6	1/220/50
02-06-00815	EX.11	A"-ground	axial wall mounte d	1900	1	4	0.4	1/220/50
02-06-00816	EX.1	C1	propell en	2550	1	4	0.2	1/220/50
02-06-00817	EX.2	C2	propell en	1100	4	0	0.1	1/220/50
02-06-00818	EX.3	A"	propell en	850	3	3	0.1	1/220/50
02-06-00819	EX.5	doct	propell en	1000	2	0	0.08	1/220/50
02-06-00820	EX.4	general	propell en	500	40	0	0.07	1/220/50
ROOF EXTRACTOR SCHEDULE								
02-06-00821	RE-5	A"-first	roof extrachte r	1600	1	8	0.5	220/1/50
02-06-00822	RE-6	A"-first	roof extrachte r	500	1	5	0.2	220/1/50
02-06-00823	RE-25	A"-ground	roof extrachte r	1800	1	8	0.5	220/1/50
02-06-00824	RE-26	A"-ground	roof extrachte r	700	1	5	0.4	220/1/50
02-06-00825	RE-27	A"-first	roof extrachte r	1300	1	5	0.4	220/1/50

	No. of fan	No. of motor	type of fan coil unit	water temp. (in-out)c	capacity (ton)	Qty.
02-06-00850	2	1	chiding horizontal	90	20	4
02-06-00851	21	21	chiding horizontal	(6 - 10) , (15 - 20)	(1/4)	30
02-06-00852	2	1	chiding horizontal	(8 - 12)	(2-3)	21
02-06-00853	2	1	chiding horizontal	(8-6) , (58-60)	550m ³ /h	171
02-06-00854	2	1	chiding horizontal	—	1	100
02-06-00855	motor control board complete motor control board , 3ph , star - delta starting with all nessecery contacters and fuses and 3.5KW 4.5KW 5.5KW 15KW 11.5KW 55KW 75KW 22KW 30KW					25 30 10 10 45 10 10 50 15
02-06-00856	briller type writer german type (portable)					100
02-06-00857	record cassette japanese from (60) minate					5000
02-06-00858	record cassette (with out radio) japanese origin or european origin					100
02-06-00859	full set of kits for repairingmaintainins equipment (microelectronic equipment) hearing aids					10
02-06-00860	computer screen for weak resion person (weak sighted)					5
02-06-00861	duplicator recorder cassette					5
02-06-00862	electrical fitting					
	required matrial		power	voltage	size	qty.
	fluoresent		35W	220V	TLD 4x35	500
02-06-00863	chilled water pump					
	kw	r.p.m	Q L/S	Hm	QTY	
	4	1500	41	7.5	20	
	5.5	1500	20	20	50	
	11	1500	27	35	30	
	15	1500	30	30	30	
	22	1500	65	24	20	
	30	1500	42	42	100	
	20	3000	45	24	2	
02-06-00864	water pump forsenitary (hot water)					
	kw	r.p.m	Q L/S	Hm	QTY	
	3	3000	8.3	32	50	
	5.5	1500	7	35	50	
	11	3000	5.5	50	20	
02-06-00865	water pump for tank					
	kw	r.p.m	Q L/S	Hm	QTY	
	0.75	3000	1.5	60	500	
	3	1500	5	30	200	
	5.5	1500	10	30	100	
	7.5	1500	40	20	20	
	15	1500	16.6	44	50	
	22	1450	28	40	20	
	7.5	3000	1.25	85	25	
02-06-866	1) Galvanized Steel Pipes And Fittings Galvanized steel pipes and fitting conforming to BS 1387 or equivalent with 10 bar Flange shall be conforming to B.S 4504 part 1. 1-1) Piping:- O 15 mm (6m length /piece) O 20 mm O 25 mm O 32 mm O 40 mm O 50 mm O 65 mm O 75 mm O 100 mm 1-2) Ditto:- but with 15 bar working pressure O 100 mm (6m length / piece)					Piece s = 2500 = 2000 = 1500 = 1000 = 1000 = 1500 = 1000 = 1000 = 500 Piece s 500

	O 150 mm	=	300
02-06-867	2) Copper Pipes And Fittings		
	2-1) Copper tubes and compression or capillary fittings to BS 2871 part 1 table x		
	O 10 mm	M.L	5000
	O 15 mm	=	7500
	O 22 mm	=	7500
	O 28 mm	=	7500
	O 35 mm	=	5000
	O 42 mm	=	5000
	O 54 mm	=	5000
	O 67 mm	=	5000
	O 76.1 mm	=	6000
	O 108 mm	=	4000
	O 159 mm	=	3500
	2-2) Ditto:- but to BS 2871 part 1 table T with fittings		
	O 35 mm	M.L	3000
	O 42 mm	=	3000
	O 54 mm	=	5000
	O 67 mm	=	4000
	O 76.1 mm	=	4000
	O 108 mm	=	3500
02-06-868	3) Ductile Iron Pipe And Fittings		
	Ductile iron pipes and fittings according to BS 4772 jointing should be flanged type with		
	O 75 mm (6 m length / piece)	Pieces	500
	O 100 mm	=	750
	O 125 mm	=	750
	O 150 mm	=	1000
	O 200 mm	=	2000
	O 250 mm	=	1500
	O 300 mm	=	1500
	O 350 mm	=	1500
	O 400 mm	=	1000
02-06-869	4) Cast Iron Pipes And Fittings		
	4-1) Socketless cast iron pipes and fittings in accordance with BS 437 or equivalent for drain pipes and fittings complete with		
	O 50 mm (3m length / piece)	Pieces	1000
	O 75 mm	=	500
	O 100 mm	=	1250
	O 150 mm	=	1000
	O 200 mm	=	1000

	O 250 mm	=	1200
	O 300 mm	=	750
	4-2) Ditto, but conform to BS 416 for soil, waste and ventilation		
	O 50 mm (3m length / piece)	Pieces	750
	O 75 mm	=	500
	O 100 mm	=	1000
	O 150 mm	=	500
	O 200 mm	=	350
	4-3) Ditto, but conform to BS 460 for roof drainage		
	O 75 mm (3m length / piece)	Pieces	250
	O 100 mm	=	750
	O 150 mm	=	300
	4-4) Ditto, but for roof outlets		
	- vertical type		
	O 75 mm	NOS	50
	O 100 mm	=	100
	O 150 mm	=	70
	- horizontal type		
	O 75 mm	NOS	50
	O 100 mm	=	100
	O 150 mm	=	60
02-06-870	5) <u>Sectional Pressed Steel Tanks</u> Sectional pressed steel tanks shall be consists of (1x1)m dimensions galvanized plates The tank should be provided with all necessary accessories such as floats ventilators, Strip jointing must be provided for all joints. 5-1) Pressed steel tank of 100 m³ 5-2) Pressed steel tank of 280 m³	No. No.	1 1
02-06-871	6) <u>Water Service Booster Pump Set</u> 6-1) Three centrifugal pumps, direct coupled, end suction type arranged to run as two duty/one standby. The pumps have the following specifications: Q= 15m³/hr - H= 65m Casing:- cast iron Impeller:- bronze shaft:- stainless steel Seal:- mechanical Insulation:- class F IP:- 54 suitable for 380V/ 3pH/ 50Hz 6-2) Two pneumatic pressure vessel of 2m³ capacity and 10 bar working pressure. complete with oil free compressor 6-3) All necessary accessories such as isolating valves on suction and discharge, non return valves, pressure and flow gauges, pressure 6-4) Control panel The whole assembly shall be mounted on a purpose mode base from complete	unit	1
02-06-872	7) <u>Fire Fighting Pumps Set (Wetriser)</u> 7-1) Ditto, as item 6-1, but two multistage pumps (horizontal type, one duty / one stand by) Q= 90 m³/hr H= 90M 7-2) Ditto, as item 6-1, but one pump multistage vertical type with Q= 10m³/hr		

	H= 90M (as Jocky pump) 7-3) Ditto, as item 6-3 7-4) Ditto as item 6-4	unit	1
02-06-873	8) Fire Fighting Pumps Set (Hose Reel) Ditto, as item (7), but without providing Jocky pump. Q= 8m³/hr - H=75m	unit	1
02-06-874	9) Drainage Submersible Pumps Set Fully automatic drainage pump set, comprises of two pumps, non clogging type, motor Casing:- cast iron Impeller:- cast iron shaft:- stainless steel Seal:- mechanical 9-1) Q= 25m³/hr - H=10M 9-2) Q= 20m³/hr - H=12M 9-3) Q= 15m³/hr - H=12M 9-4) Q= 10m³/hr - H= 10M 9-5) Q= 5m³/hr - H=12M	unit unit unit unit unit	10 10 10 10 10
02-06-875	10) Sewage Submersible Ditto for sewage submersible pumps: 10-1) 20m³/hr - H=10M 10-2) 10m³/hr - H=10M 10-3) 5m³/hr - H=12M 10-4) 3m³/hr - H=12M	unit unit unit unit	10 10 10 10
02-06-876	11) Circulating Pumps Units Electrical inline circulator pumps with vairable velocities. Motor of non-over loading Q= 5m³/hr - H=12	unit	8
02-06-877	12) Make-up Boosting Pumps Set (Cooling Tower) Ditto as item 6 but with the following specification:- Q= 20m³/hr H= 35M Complete with two diaphram pressure vessel of capacity 500 liter per each.	unit	1
02-06-878	13) Water Softener Fully automatic duplex softener complete with necessary accessories such as piping, valves, Flow rate= 20m³/hr Inlet pressure= 1.5bar working pressure= 10bar	unit	1
02-06-879	14) Heavy Duty Filters Fully automatic packaged unit high rate muliti-layered sand filters complete with main 14-1) Flow rate 30 m3/hr 14-2) Flow rate 60 m3/hr	No. No.	1 1
02-06-880	15) Activated carbon Filters Ditto , but with activated carbon beds with 10 bar working pressure 15-1) Flow rate 25 m3/hr 15-2) Flow rate 50 m3/hr	No. No.	1 1
02-06-881	16) Cast iron adaptor 16-1) Cast iron (mentioned in item 4) adaptor to be connected with upvc pipes 50 mm 75 mm 100 mm 150 mm 200 mm 16-2) Ditto but be connected with pvc pipes 50 mm 75 mm 100 mm 150 mm	Nos Nos Nos Nos Nos Nos Nos Nos Nos Nos	100 80 100 60 45 150 75 90 50
02-06-882	17) Flexible Hose 17-1) Rubber flexible hose used for connection between sanitary fixture and feeding working pressure 3.5 bar diam 15 mm 17-2) Ditto, but copper hose working pressure 7 bar diam 15 mm	Nos. Nos.	300 500

02-06-883	<u>18) Sanitary Fixtures</u> Vitrus china (or equivalent) sanitary fixtures of white colour .All fixtures shall be of the 18-1) Eastern style wc (100 mm s trap) supplied with vitrus china cistern of 14 lit	Nos	80
	18-2) Ditto , but "P" trap	Nos	75
	18-3) Ditto , but western style wc supplied with cast iron cistern of 14 lit-capacity	Nos	70
	18-4) Ditto ,but wash basin complete with vitrus china stands, shelves and soap 25mm chromium bottle (or"p") trap 15mm chromium plated mixer and 3.5 bar resisting pressure	Nos.	300
	18-5) Ditto ,but bedit complete with:- - 40 mm chromium plated bottle trap (or 'P') -15 mm chromium mixer and 3.5 bar resisting pressure.	Nos.	100
	18-6) Cast iron shower tray , complete with 15 mm chromium plated mixer with 15 mm - Tray size 800x800	Nos	100
	18-7) Ditto, but bath tub , complete with 15 mm chromium mixer with 15 chromium tube with head shower .The bath shall be	Nos	50
	18-8) Ditto as 18-5, but for urinal complete with .9 lit vitrus china automatic cistern complete with flushing pipe - 32 mm chromium plated bottle trap ('p' trap) - partitions	Nos	60
02-06-884	<u>19) Grease+B778+B753 Trap+B742+B726</u> Cast iron grease trap with 100 MM mm outlet with access at ground level, supplied with	Nos	30
02-06-885	<u>20) Covers and Frames</u> 20-1) Medium duty double sealed cast iron cover and frames with the following size : REF! C25525 mm - 600 x 450 mm - 900 x 600 mm 20-2) Ditto, but heavy duty - Diam 550 mm 20-3) Ditto, but heavy medium grating and frames 600 x 450 20-4) Ditto, but for Hydrant cover and frame 500 x 350 20-5) Ditto, but special purpose covers and frames have a single seal and supplied with The top is recessed for filling to material match the surrounding surfaces.	Nos. Nos. Nos. Nos. Nos. Nos. Nos.	120 50 70 200 100 100 75
	20-6) Ditto, but roadway gratings and frames 500 x 350 20-7) Ditto, but heavy duty cast iron channel grating , supplied with lugs cast at 30 cm Size 100 x 30 cm	Nos. Nos. Nos.	500 500 500
02-06-886	<u>21) Pillar Fire Hydrant</u> 21-1) A pillar fire hydrant consists of a body equipped with "3" nozzles , one forward 21-2) Ditto,but consists of 2 nozzels 80 mm forward nozzel and 65 mm side way nozzel	Nos. Nos.	50 50
	21-3) Ditto , but fire and washing hydrant consists of iron body . The box enclosing on 80 mm hydrant 65mm nozzel	Nos	50
02-06-887	<u>22) Hose Real & Wet Riser / Cabinet</u> 22-1) Hose real cabinet accomodates a manually or automatically operated swinging Door have right opening and swing through a full 180 : Size :- 1350 x 810 x 355 mm Construction :- steel . Door panel shall be provided with stainless steel finger Capacity :- 30 x 19 mm dia Nozzle :- jet (hose reel) Pressure:- max. operation pressure 10 bar	Nos.	25
	22-2) Ditto, swinging open wall hose reel Diam:- 560 mm Overall height:- 610 mm Width:- 250 mm	Nos.	10
02-06-888	<u>23) Dimener lized water</u> Full automatic , Duplex Dimenerlizer complete with necessary accessories such as piping , regulating valves ,valves , flow meters , pressure		

	gauges complete with control paneletc. - flow meter 25 m3/hr - inlet pressure 1.5 bar - working pressure 10 bar	set	1
02-06-889	24) Distilled Water Ditto , but Duplex Distiller , but of flow rate 20 m3/hr	set	1
02-06-890	<u>Centrifugal Water Chiller</u> <u>Type</u> - Centrifugal , water cooled <u>Compressor and motor</u> The compressor - motor combination shall be Hermatic construction complete with starter and capacitor for power factor correction .The motor power is 3-phase 380 volt, 50 HZ with main power factor of 0.91 at full load <u>Cooler and Condenser</u> Cooler and condenser shall be shell and tube designed for (10) atm water side working pressure <u>Control Panel</u> Automatic control panel shall be electronic type including all safety devices. <u>Evaporator Data</u> Fouling factor =0.0002 m2.hr.CúKcal Ent. Water temp . =11.6Cú Leav. Water temp . =6 Cú Max. water pressure drop =6 M.water Gauge <u>Condenser Data</u> <u>Fouling factor= 0.0004</u> m3.hr.Cúkcal Ent. Water Temp = 29.4 Cú Leav. Water Temp =35 Cú Max. water pressure drop =7 M.water Gauge Capacity 1200 000 kcal/hr (400 ton)	4	Nos.
02-06-891	<u>Hot Water Boiler</u> <u>Type IN LINE</u> Electric <u>Tank</u> shall be constructed from low carbon steel - working pressure 7.5 bar <u>Heating</u> Elements shall be of immersion type copper sheath of 11.6 watt/cm2 max.density <u>Control</u> proportional temperature control with multi - step control complete with control board and all safety devices capacity 650 kw	Nos	4
02-06-892	<u>Pumps</u> <u>Type</u> End - section centrifugal oase mounted , direct coupled <u>Impeller Material</u> Bronze Shaft material stainless steel seal -Mechanical <u>Motor</u> squirrel cage, drip proof type 1450 R.P.M		

	<u>Base Material</u> cast iron or welded steel chilled water pump capacity 61 L/S Head 45 m Hot water pump capacity 14 L/S Head 42 m Condenser water pump capacity 76 - L/S Head 18 m	Nos.	4
02-06-893	<u>Cooling Tower</u> <u>Type- outdoor</u> forced draft <u>casino - hot dip</u> galvanized steel of min thickness 1.6 mm <u>Lowers , eliminators</u> and air inlet screen are hot dip galvanized steel Full: shall be polyvinal		
	<u>Basin-</u> shall be hot dip galvanized steel of min - thickness 3.5 mm <u>Water distribution</u> shall be galvanized steel pipes with bronze non - clog spray nozzles <u>Motors</u> Outdoor use with class " F" insulation <u>Electric power</u> 3 phase / 380v/50HZ <u>Water Temp</u> IN- 35 Cú out 29.4 Cú <u>Out door wet bulb</u> temp- 27 Cú Heat Rejection Capacity 1500 000 K cal/ HR	Nos	4
02-06-894	<u>Roof Top Packaged</u> A/C unit - Air Cooled Max ambient outdoor working temp -52Cú Entering Air temp to condenser -46Cú Unit shall be complete with filter thermostat Capacity 69000 kcal/hr Capacity 56000 kcal/hr Capacity 45000 kcal / hr Capacity 33000Kcal / hr	Nos. Nos. Nos. Nos.	10 8 8 6
02-06-895	<u>Roof Ventilator</u> Horizontal discharge Power 400v/3ph/50 hz Unit shall be complete with back draught shutter, bird guard local isolating switch and speed control External static pressure 6mm .W.G Capacity 1200 m3/hr Capacity 2000 m3/hr Capacity 3000 m3 /hr	Nos. Nos. Nos.	10 10 10

	Capacity 4000 m3/hr	Nos.	10
02-06-896	<u>Supply Air Linear slot diffuser</u> Diffuser shall be constructed from Aluminum natural colour		
	solt width 19mm integral volume control damper,fully adjustable from the face of the diffuser <u>complete with air deflection blode+B400s.mounting bracket.</u> A) 3 SLOT B) 4 SLOT C) 5 SLOT	M.L M.L M.L	1000 1000 600
02-06-897	<u>Supply Air square diffuser</u> <u>alumin. construction</u> <u>complete with volume control damper of opposed blade type</u> A) size (neck)mm 225x225 B) 300x 300 C)375 x 375	Nos. Nos. Nos.	200 300 300
02-06-898	<u>Supply Air Re+B224gister</u> aluminum construction with volume control damper. adjustable front horizontal bars and rear vertical adjus. bars neck size (B x H) mm 400 x 150 500 x 150 600 x 150 700 x 150 800 x 200 900 x 200	Nos. Nos. Nos. Nos. Nos. Nos. Nos.	100 100 100 100 100 100 100
02-06-899	<u>Exhaust Air Valve</u> shall be aluminum white colour complete with counter frame nominal diameter mm Diam. 100 Diam. 150	Nos. Nos.	20 20
02-06-900	<u>Piping</u> Black steel class B,schedule 40,with 10.5 Kg/cm2, seamless with fittings.B432 pipe size(mm diam.) 300 250 200 150 125 100 80 65 50 40 32 25 20 15	M.L M.L M.L M.L M.L M.L M.L M.L M.L M.L M.L M.L M.L	500 1000 1000 2000 2000 3000 3000 3000 5000 5000 5000 5000 5000
02-06-901	<u>VALES</u> cast iron gate valve with flanges 10.5 kg/cm2 250 mm 200 mm	Nos. Nos.	50 60

[illegible]

	A-9 3 x 95 + 50 mm² NYY-J	M.L	5000
	A-10) 3 x 120 + 70 mm² NYY-J	M.L	5000
	A-11 3 x 150 + 70 mm² NYY-J	M.L	5000
	A-12) 3 x 240 + 120 mm² NYY-J	M.L	3000
	A-13 3 x 300 + 150 mm² NYY-J	M.L	3000
	A-14) 4 x 6 mm² PVC/SWA/PVC	M.L	5000
	A-15 4 x 10 mm² PVC/SWA/PVC	M.L	5000
	A-16) 4 x 16 mm² PVC/SWA/PVC	M.L	5000
	A-17) 3 x 25 + 16 mm² PVC/SWA/PVC	M.L	5000
	A-18) 3 x 35 +16 mm² PVC/SWA/PVC	M.L	5000
	A-19) 3 x 50 + 25 mm² PVC/SWA/PVC	M.L	5000
	A-20 3 x 70 + 35 mm² PVC/SWA/PVC	M.L	5000
	A-21) 3 x 70 + 35 mm² NYY-J	M.L	5000
02-06-906	<u>B) Wires:</u> Single wires, copper stranded core PVC insulated, rated 70 permanent and 160c short circuit,rated voltage 450/750v generally to BS 6004 or to vde 0250 type nya Packing: 100 yds each coil in specified. colours B-1 2.5 mm² Red Black Blue Yellow Grn/Ylw B-2 1.5 mm² Red Black Blue Yellow Grn/Ylw B-3 4mm² Red Black Blue Yellow Grn/Ylw B-4 6mm² Red Black Blue Yellow Grn/Ylw	Coils Coils Coils Coils Coils Coils Coils Coils Coils Coils Coils Coils Coils Coils Coils Coils Coils Coils Coils Coils	1500 1500 1500 1500 1500 1000 1000 1000 1000 1000 500 500 500 500 500
02-06-907	<u>Telephone Cables & Accessories</u> A) Telephone cables: - PVC/Bare copper conductor 0.6mm/tinned /PVC A-1) 10 pair. A-2) 20 pair. A-3) 30 pair. Packing: on wooden drums.	M.L M.L M.L	5000 5000 5000
	<u>B) Accessories: -</u> Terminal Box-Flush Mounted Steel Grey / rust proof + Terminal block. B-1) 10 pair. B-2) 20 pair. B-3) 30 pair. B-4) 100 pair.	No. No. No. No.	50 50 50 20

02-06-908	<u>Conduit & Accessories</u>		
	A) Size 20mm: -		
	A-1 Hot dip galvanized heavy gauge steel conduit, screwed both ends, one coupler, coupler, 3.75m long to BS 4568.	Cond	10000
	A-2 Galvanized circular malleable iron junction boxes.		
	Terminal	No.	2000
	Through	No.	5000
	Angle	No.	2000
	Tee	No.	2000
	Intersection	No.	3000
	B) Size 25mm: -		
	B-1 Hot dip galvanized heavy gauge steel conduit, screwed both ends, one coupler, 3.75m long to BS 4568.	Cond	5000
	B-2 Galvanized circular malleable iron junction boxes.		
	Terminal	No.	1000
	Through	No.	1000
	Angle	No.	1000
	Tee	No.	1000
	Intersection	No.	1000
	C) Draw in steel tape: -		
	C-1 20m length	No.	50
	C-2 30m length	No.	50
	D) Complete set comprising stock dies & guides: -		
	D-1 20+25 mm	set	20
02-06-909	<u>A -Panel distribution boards:</u>		
	Three-phase and neutral distribution boards voltage 415v AC 50 HZ BS 5486 IP230 with door and lock to fixed in the wall (flush type) with Earthing terminal bus bars and with		
	A-1 Distribution board 6 triple pole MCB ways	NOS.	25
	Main in coming 100A MCB three phase Single poles MCB 15A.10 .NOS		
	Single poles MCB 30A 8Nos.		
	A-2 Distribution board 8 triple pole MCB ways-	NOS.	25
	Main in coming 100A MCB three phase Single poles MCB 15A 15 NOS.		
	Single poles MCB 30A 9NOS.		
	A-3 distribution board 12 triple pole mcb w/main Incoming 160 mcb three phase single pole mcb 15 A 20 Nos	NOS	25
	single pole mcb 30 A 16 Nos		
02-06-910	A-4 SPARES		
	single pole mcb 15 A	NOS	100
	single pole mcb 30 A	NOS	100
	<u>Switches and Sockets</u>		
	A- SWITCHES		
	Switches 250v 15 or 20 amp flush mounting-white cover		
	A-1 one way 1 gang	NOS	500
	A-2 two way 1 gang	NOS	500
	A-3 one way 2 gang	NOS	500
	A-4 one way 2 gang	NOS	500
	A-5 one way 3 gang	NOS	500
	A-6 one way 4 gang	NOS	500

	B-SWITCHES SOCKETS 3 pin Rectangular bs 2814- 13 or 15 Amp Fluch mounting-white cover Bs 1863 B-1 3pin rectangulaectan-13 Amp B-2 3pin rectangulaectan-Duplex13 Amp B-3 3pin rectangulaectan-15 Amp B-4 2Amp Telephone socket B-5 T.Vsocket single out let	NOS NOS NOS NOS NOS	5000 5000 5000 5000 1000
02-06-911	<u>Fire Alarm System</u> A-1) central Indication and control panel suitable for 6 fire zones with fire alarm bell complete with all safety device and outomatic charger including nickel cadmium battery with connection to the central Indicationg and control board A-2)Manual call station break glass units-surface mounted- red coulour the glasses can be supplied in english language A-3) complete with amounting base outomatic smoke detector off white coulour withvisual of an alarm is given by red light diode clearlyn visble on the detector casing ambient temp range (0c- 50c) A-4)complete with a amounting base amount-ing heat detector with visual Indication of an alarm is given by red- light diode, clearly visble on detector with base off white colour ambient range (0c- 40c) A-5) Indoor fire alarm bell 24v.Ds black poly-carbonete base.6" hight reliability, long running life and easy installation,nomain-tenace in normal use.	No.C74 NOS NOS NOS	1 15 70 10 15
02-06-912	<u>Light fittings: -</u> NOTE: Below mentioned fluorescent fittings . are security quick startPower factor not lessthan 0.9 Lagging 240 volt-AC 50HZ. A-1) 2 x 40w fluorescent fitting with Lamella louver -recessed mouting A-2) 2 x 40w fluorescent fitting with Lamella . louvre-Surface mounting A-3) 1 x 40w fluorescent fitting with Lamella lovre-Recessed mounting. A-4) 1 x 40w fluorescent fitting with Opal Diffuser-Surface mounting. A-5) 2 x 20w fluorescent light fitting with Opal Diffuser-Surface mounting. A-6)4 x 20w fluorescent light fitting with Opal Diffuser-Surface mounting. A-7)60 X 60 cm Fluorescent light with lamela diffuser	NOS NOS NOS NOS NOS NOS NOS	400 250 400 250 500 500 400
02-06-913	<u>Aluminum false ceiling</u> closed type with all fixing accessories 30 x 60 cms 30 x120 cms 60 x 60 cms 10 x 360 cms suspension accessories and angle bead	M² M² M² M² M²	4000 4000 12000 5000 25000
02-06-914	<u>Door closers</u> Yale type or equivalent with all accessories	No.	100
02-06-915	<u>Expansion joint beads</u> made of stainless steel, 0.5mm thick	M.L	500
	Floor type	M.L	200

	Wall type					M.L	450
	Ceiling type					M.L	100
02-06-916	Special doors frames and door leaves different dimensions,with door handles					No.	450
02-06-917	Anti static Vinyl tiles 120cm width, 3.5 mm thickness, with welding rods and fixing materials.					M²	500
02-06-918	Ceramic tiles 10 x 10 cm, 6mm thick, non-slip ceramic					M²	3500
02-06-919	Epoxy paints for walls					Lit	3000
02-06-920	Metal Lath 60 x 240 cm, weight 1.7 kg/m2					M²	5000
02-06-00921	diesel pump						
	HP	r.p.m	Q m^3/h r	Hm	QTY		
	60-75	1450	200	60	5		
02-06-00922	electrical pump						
	HP	r.p.m	Q m^3/h r	Hm	QTY		
	60-75	1450	200	60	5		
02-06-00923	NON-ION IC WATER SYSTEM capacity:- 100l distil water 10 l/hr conductivity (mixing of +and -) :-(.1-.5) Us					1	

	type of fulter	power (KW)	no of motor	type of air (AHU)		connecti size on (in-out) for each	air flow		water fflow		water temp		capacity
				other type	in-line		for cooling	for heating	for coolin g	for heatin g	for cooling	for heatin g	
02-06-00924	type	15	1	—	in line	62.5mm	8 12	8 12	102	45.5	8 12	8 12	350
02-06-00925	type	17 5.5 10	1 14	—	in line	in50mm out 50mm	29153	29153	3581	1750	7.2 5	82.2 30 - 50	5000
02-06-00926	type	4.1 11	1	—	in line	62.5	5500/ 2200	5500/ 2200	13	13	9 12	9 12	50
02-06-00927	type	3.75	1	—	in line	in36mm out 36mm	11864	11864	15.12	5.34	7.3	82.2	5000
02-06-00928	type	7.5	1	—	in line	in50mm out 50mm	26271	26271	21.36	6	7.2	82.2	5000
02-06-00929	type	7.5	1	—	in line	in36mm out 36mm	22881	22881	21.12	7.32	7.2	82.2	5000
02-06-00930	type	7.5	1	—	in line	in50mm out 50mm	23220	23220	39.48	17.96	7.2	82.2	5000
02-06-00931	type	9.3	1	—	in line	in50mm out 50mm	25424	25424	51.7	21	7.2	82.2	5000
02-06-00932	type	5.625	1	—	in line	in50mm out 50mm	15424	15424	31.32	12.81	7.2	82.2	5000
02-06-00933	type	9.3	1	—	in line	in50mm out 50mm	29153	29153	59.5	24.4	7.2	82.2	5000
02-06-00934	type	2.25	1	—	in line	in50mm out 50mm	8485	8485	14.7	7.2	7.2	82.2	5000
02-06-00935	MZ	7.5	1	—	in-line		30	30	40	40	6 _ 12	82	00 lit/mr
02-06-00936	normal	10KW	1	—	in-line	2" inch	—	—	—	—	6 12	75-50	40 ton
02-06-00937		7.5	7	X	—	3inch	X	X	X	X	_7_	80	9500m ³/hr
02-06-00938	—	4	1	—	in-line	—	30	30	40	40	_6_	60	72.000 BTU/h r

air handling unit (AHU)												
type of fulter	power (KW)	no of motor	type of air (AHU)		connecti size on (in-out) for each	air flow		water fflow		water temp		ca
			other type	in-line		for cooling	for heating	for coolin g	for heatin g	for cooling	for heatin g	for coolin g

02-06-00939	No.of AHU 15 N.B.S 35%	18.5	1		in line		32.700 M^3/H	32.700 M63/H	55 L/Mi	07 L/Mi	7C/12C	83/71C	189.55 KAL/H
02-06-00940	No.of AHU 19 N.B.S 80%		55	1	in line		64.900 M^3/H	64.900 M^3/H	202L/Mi	33 L/Mi	7C/12C	83/71C	150.20 0 KAL/H

	fan coil unit		type of fan coil unit		water temp. (In- 9 12	capacity (ton) 2	qnt. 52	
	no.of fan	no.of motor	ground	chiding horizontal				
			ground	chiding horizontal				
02-06-00941	2	1	ground	—	70-11c	2ton	350	
02-06-00942	1	1	—	chiding horizontal	70-11c	2ton	30	
02-06-00943	1	1	ground	—	70-11c	2ton	30	
02-06-00944	1	1	ground	—	70-11c	2ton	25	
02-06-00945	1	1	ground	—	70-11c	2ton	28	
02-06-00946	3	1	10	18	6 12	40ton	20	
02-06-00947	4	20	10	10	10 12	2ton	100	
02-06-00948	2	2	ground	—	(5_10)c	2ton		
02-06-00949	cold stor							2
	1-inside temperature (4-16C) 2-volume 20M^3 3-the cold store must be supplied with shade to from raining 4-ambiebtent temperature 55C 5-the walls will be s and outs panel, the out side walls made from aluminum sheets at thickness 0.6mm and the 6-the floor made of jacker plane from aluminum 7-the door is hinged type 8-two cooling unit one work and the other stand by each unit is sufficient to keep inside temperature (4-16C) 9-the compressor is semi hermetic type 10-the cold store supplied with all the complete control (oil pressure,high-low pressure,thermostat,seloid valve							
02-06-00950	refregreter valume for refregreter 35foot^3 220V , 50HZ , 1phase ferion:- R134 internal temperature ranging from +2to +6C inside and out side material stainless steel aolitle/visua/ alarm with battery , low alarm 0C , high alarm +10C autamatic defrosting out side thermometer or the door 7 day recorder double compressor units for additionel/safety removabe shalves inside spar parts for 5 years							2
02-06-00951	water ion exchanger capacity:-20lit/hr							2
02-06-00952	machine for sealing bottles of plastic & aluminum caps							4
02-06-00953	central oxygen system capacity:- 20 cylinder 1-tow stages (pressure) a-first stage 160 :- 10Kg/cm^2 b- second stage 10 :- 4Kg/cm^2 right 10 clinder lift 10 :- 4Kg/cm^2 control system 24V 2-nitrous system 2 clinder a-first stage 60 - 9Kg/cm^2 b- second stage 9 - 4Kg/cm^2 control system 24V 3-midical gas normal & stand by compress air oilless 2 5 start Kg/cm^2 7stop Kg/cm^2 reducing valv for pressure filter system pressure lin 4Kg/cm^2 bottle for air 4-central - vacuum valume line 1-bottle 2-check valve working pressure start pressure (vacum) 300 mmg stop 500 mm /Kg							2

	300 - 500 mm/Kg	
02-06-00954	softener continuos softener supply as following 1-max.flow :- 1m ³ /hr 2-resin - strong cationic resin sodium base 3-power supply 220V or 380V 50HZ	4
02-06-00955	high tension switch gear vaccum type 11KV input - 420V out put -3ph -800A with complete protection devise	50
02-06-00956	softener continuos softener supply as following 1-max.flow :- 1m ³ /hr-cationic resin sodium base 2-power supply 220V 30W 50HZ	2
02-06-00957	Absolute filter size:- 505mm X 504mm x 150mm dop - test :- 990997%	150
02-06-00958	cold room 3X2 meter	4
02-06-00959	PC computer pantum III	12

02-06-00960	air purity for contamination portable tester to measure up to 0.3 microne particales . May be test by	4
02-06-00961	Elecric for tools and foodsc table top sterilizer , cold sterilizer with out change or detect in	4
02-06-00962	Table top dry hot air sterilizer	4
02-06-00963	table top formation sterilizer	4
02-06-00964	Atoclave poruos material 4ft3	4
02-06-00965	Plastic seeling machinc (with several role nylon)	4 for equipm ent and (500) for rolles
02-06-00966	0.6 /1.2 kv single core cables , with flexible stranded circular copper conductors ,PVC	
	Nomial cross section	Quantity
	120	10000 meter
	240	200000 meter
	300	60000 meter
	3x50 +25	30000 meter
02-06-00967	Multy core cables , with flexible stranded copper conductor ,PVC insulated and PVC	
	no. of cond.x cross section area	Quantit y (meter s)
	2x1.5	10000
	2x2.5	10000
	2x4	5000
	2x6	3000
	4x2.5	5000
	4x4	10000
	4x6	2000
	4x10	2000
	4x16	2000
	4x25	2000
	4x35	2000
	3x1.5	2000
	3x2.5	2000
	3x4	2000
	3x50 +25	2000
	3x70 +35	2000
	3x95 +50	2000
	3x120 +70	2000
	3x150 +70	2000
	3X180+1 cond*95	2000
	3x185 +95	2000
	3x240 +120	2000
	3x300+15 0	2000
02-06-00968	Multicore cables with stranded copper conductors PVC insulated , steel wire arround and	

	3x35 +16				2000
	3x50 +25				2000
	3x70 +35				5000
	3x95 +50				2000
	3x150 +70				2000
	3x185 +95				2000
	3x240 +120				2000
	3x300 +150				2000
02-06-00969	Cable terminals for cable sizes from 10 mm ² to 300 mm ²				1000PI ECES FOR EACH SIZE
02-06-00970	ELECTRICAL -HYDROLIC TERMINAL PRESS MACHINE				4
02-06-00971	MANUAL - HYDROLIC TERMINAL PRESS MACHINE				4
02-06-00972	EQUIPPED MOBILE LAB. FOR OCCUPATIONAL HEALTH AND SAFETY				20
02-06-00973	EQUIPPED MOBILE LAB. Containing (noise level analyzer vibration analyzer ,condenser				30
02-06-00974	DO for cheking(BOD) , (ultra-dometer) instrument for determination of quantity of the mount of biological oxygen in water supplyment extracts . Service system				8
02-06-00975	electric refrigerator				6
02-06-00976	kerosen refrigerator				2
02-06-00977	vedio casset + CD				2
02-06-00978	colour televison (size : 24 note)				2
02-06-00979	telephone instrument				2
02-06-00980	refregerated centrifuge				5
02-06-00981	refregerated /heating water circulater (-10 TO 100 C)				5
02-06-00982	eezer (-70)				5
02-06-00983	efrigerator				5
02-06-00984	microbiological safety cabinet and chemical hood and laminar air flow cabinet				2
02-06-00985	phto copy machine				6
02-06-00986	cuntarl station computer & terminal				2 30
02-06-00987	cold room				2
02-06-00988	office operatar with 100 lines				6
02-06-00989	power amplifier (100W) model :- lbb 1103 (phillips) required No./ 6 uints				12units
02-06-00990	air compressor small for aeration of water sample (1-SL) sample valume				20
02-06-00991	electric generators 500KVA				4
02-06-00992	electric generators 60KVA				30
02-06-00993	UPS 6 KVA for ICU				6
02-06-00994	electric generators 250KVA /200KW				4
02-06-00995	refrigirators 20 feet				4
02-06-00996	liquid nitrogen container of medium size (20 litres capacity)				4
02-06-00997	softener saadam medical city max flow:-90m ³ /hr max flow:-70m ³ /hr max flow:-50m ³ /hr general softener specification dual/duplex system resin:-strong cation pressure vessel:high quality mild steel B.S 5500 working press 6 bar, internally protected by epoxy paint, eith valve:- amain multiport valve ,manual and automatic operation brine tank:-poly then with stainer and loose fit couer operation:- flow counter supplied to intiat regeneration cycles piping :- all piping including salt injection tubing is supplied design row water condition total hardness 289 to 610 PPM calcium 84 to 323 PPM magnesium 205 to 287 PPM other cations 263 to 675 PPM bicar bonates 160 to 159 PPM chlorides 19 to 159 PPM totanions 263 to 675 PPM chlorin 1 to 2 cl PPM				10 2 2