

## REHAPETILATION EQUIPMENT

### Equipment :

Electric submersible darning sewage pump water cooled motor

Code	Capacity m <sup>3</sup> /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 380 50HZ	70
02-06-00002	1	10	3000	3.7	220 or 380 50HZ	70
02-06-00003	0.5	15	3000	3.7	220 or 380 50HZ	30
02-06-00004	1	22	3000	7.5	220 or 380 50HZ	30

02-06-00005	<b>Equipment: Package unit</b> complot witch supply cold air directly by duct to the building. cap: 20 ton inside temp : 18 C 380 v. , 3 pH , 50HZ , gas R22					15
02-06-00006	<b>Equipment Air Cool Ed Chiller</b> Cap : 100 Ton Ambient Temp. 60C Water out let Temp 12 C Water in let temp 6 C Compress type semi hermetic Coil materiel : Copper tubes with element fins Fan type : Propeller Evaporator : Sheila and tubs GSA use R-12 or R-22 380 V 50 HZ					20
02-06-00007	<b>Equipment Air Cool Ed Chiller</b> Cap : 200 Ton Ambient Temp. 60C Water out let Temp 12 C Water in let temp 6 C Compress type semi hermetic Coil materiel : Copper tubes with element fins Fan type : Propeller Evaporator : Shell and tubs GSA use R-22 380 V 50 HZ					30
02-06-00008	<b>Equipment Window type air-condition</b> with heater Cap : 2 Ton GSA R-22 220 V 50 HZ , 24000 BTU					1000
02-06-00009	<b>Equipment Split Unit</b> with heater Cap : 2 Ton GSA R-22 220 V 50 HZ , 24000 BTU					200

<b>TUERS</b>		
	Description	Qty,
02-06-00010	600x14 High Quality	2000
02-06-00011	650x14 High Quality	2500
02-06-00012	700x15 High Quality	3000
02-06-00013	750x16 High Quality	2500
02-06-00014	205x16 High Quality	3000
02-06-00015	650x16 High Quality	1000
02-06-00016	1200x20 High Quality	2000
02-06-00017	1100x20 High Quality	2000
02-06-00018	1200x24 High Quality	600
02-06-00019	1000x20 High Quality	400

**Acid batteries**

CODE	Descriptions	Qty,
02-06-00020	45Amp x12V High Quality	100
02-06-00021	60x12 High Quality	200
02-06-00022	75x12 High Quality	100
02-06-00023	90x12 High Quality	200
02-06-00024	110x12 High Quality	150
02-06-00025	130x12 High Quality	200
02-06-00026	180x12 High Quality	200
02-06-00027	<p><b>Equipment : chiller</b>  Capacity: 200 Ton  Ancient temp. 60 C  Water inlet 6C  380 V, 50 HZ, 3PH  Compressor type: semi hermetic  Coil material: copper tubes with element fins  Fan type: propeller  Evaporator: sheet and tubes  Gas use R12 or R22  Electrical board for operation  Training for 4 engineers 3 weeks  Spare parts for 5 years</p>	20
02-06-00028	<p><b>Equipment : chiller</b>  Capacity: 100 ton  Ancient temp. 60 C  Water outlet 12 C  Water inlet 6C  380 V, 50 HZ, 3PH  Compressor type: semi hermetic  Coil material: copper tubes with element fins  Fan type: propeller  Evaporator: sheet and tubes  Gas use R12 or R22  Electrical board for operation  Training for 3engineers 3 weeks  Spare parts for 5 years</p>	20
02-06-00029	<p><b>Equipment : Window unit</b>  type air-condition with heater  Capacity 2 ton , 24000 BTU/ HR  220 V , 50HZ, 3PH  Hot and cooled, R22  Spare part for 5 years</p>	4000

02-06-00030	<p><b>Equipment : Split unit</b>  Split unit with heater  Capacity 2 ton , 30000 BTU/HR  220 V , 50HZ, 3PH  Hot and cooled, R22  Spare part for 5 years</p>	700
02-06-00031	<p><b>Equipment : Package unit</b>  Type :package unit complete which couple cool air directly by duct to the building  Capacity 20 ton  380 V ,50HZ, 3PH, R22  Ambient temp.: 60C  Insidetemp .: 12C  Training 2 engineer for 2 weeks  Spare parts for 5 years</p>	70
02-06-00032	<p><b>Equipment : Blood bank refrigerator</b>  1- internal temp. ranging from +2 C to +8 C at the following ambient conditions :  Summer : DBT 50 C  WBT 25 C  Winter : DBT 1 C  WBT _3 C  2- Double compressor units for additional safety work with ferine R 12 or R 22  3- inside and outside materiel : Stainless steel  4- Audible / visual and external 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</p>	180
02-06-00033	<p><b>Equipment : air compressor</b>  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</p>	20

02-06-00034	<p><b>Equipment:- cooling tower</b>  Capacity :150 ton  200 ton  100 ton  50 ton</p> <p>Water temp. 38/ 30 C  Complete cooling tower must be separate motor for each blower and will work in high  Humidity wetter 60 % Humidity and total hardness is for water 500ppm  Recommended spare for 5 years.  Include complete motor  Fin , belt,shaft, spray nozzle , bearing , blower ,  Nozzle , motor complete, ball float valve  Training for engineer and tech.  Complete catalog for spare part and operation maintenance catalog</p>	7 3 4 14
02-06-00035	<p><b>Equipment: Corps refrigerator</b>  Walk in freezers to preserve corpses at internal temperature ranging from (+5 deg.) to (-30 deg.)At the following ambient conditions: summer:  DBT 50 Deg.</p> <p style="padding-left: 40px;">WBT 25 deg.C  Winter: DBT 1 deg.C  WBT -3 deg.C</p> <p>Internal volume of the store: 3x4x3 M3  Required quantity: freezing stores</p> <p><b>A) Construction :</b></p> <ol style="list-style-type: none"> <li>1- Freezers shall be shipped in knock- down sections easy to re- erect</li> <li>2- Cabinet interior shall be made of heavy corrosion proof aluminum, floor made of heavy gauge anti- slip aluminum</li> <li>3- Cabinet exterior shall be made of aluminum, coated with a white weather proof coating to make it suitable for out- door installation</li> <li>4- Insulation shall be sufficient to maintain the specified internal temperature in the specified ambient conditions but shall be not less than 12 cm of polyurethane</li> <li>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</li> <li>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</li> <li>7- External dial thermometer must be provided</li> <li>8- Audio and visual alarm for high temperature must be fitted</li> <li>9- Sufficient internal lighting automatically switches on when door opens</li> <li>10- Air curtain by the door operates automatically when door opens</li> <li>11- 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</li> </ol>	170

	<p><b>B) REFRIGERATION SYSTEM</b>  Two independent refrigeration systems shall be installed, each being capable to maintain the required internal temperature at the specified ambient conditions  An automatic alternator clock timer shall be furnished to automatically reverse the sequence of operation of the two systems to assure even wear. And if one system be unable for any reason to maintain the required temperature the second system shall automatically cut-in.  Visual indication of the operation and faults of the system shall be shown on the control panel. Capacity and type of compressors used shall be mentioned in the offer. Ferine R12 or R502 used.  The entire system shall utilize heavy-duty refrigeration copper tubing, no aluminum or steel tubing to be used. Evaporator fins shall be anticorrosion type. Automatic electrical defrosts with pipes for drain water must be provided.</p> <p><b>C). ELECTRICAL SYSTEM</b>  System shall operate from single - phase, 220V, 50 HZ supply or from three- phase, 4 wire, 380V.</p> <p><b>D). SPARE PARTS</b>  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 &amp; F Baghdad and the spares shall be shipped with the cold stores. Among other things, the list shall include the following items:</p> <p><b><u>No. Description</u></b></p> <p>1- compressor  2- Evaporator motor fan  3- Blades for evaporator  4- condenser motor fan  5- Blades for condenser fan  6- Thermometer  7- Thermostat &amp; alarm thermostat  8- High-low pressure cut out  9- Oil pressure cut out  10- Door gasket with heater  11- Contactor for compressor  12- Relays &amp; electrical switches &amp; klaxon  13- Defrost heaters  14- Automatic electric defrost  15- Automatic alternator for reverse sequence  16- Internal light bulb  17- over load  18- Expansion valve  19- filter drier  20- Fuses of different writings  21- solenoid valve  22- alarm horn  23- micro switch &amp; spare for air curtain  24- operating switches</p> <p><b>E). TESTING AND GUARANTEE</b>  Tendered shall guarantee and maintain the freezers for a period of two years starting from the date of putting them in operation. All equipment shall be tested and outstanding technical problems shall be discussed &amp; settled in the firm prior to the shipment of the equipment &amp; in the presence of our engineer, tendered shall pay for the return air tickets of our engineer &amp; bear all costs of his stay with the firm including full board &amp; loading for a period of two weeks</p>	<p><b><u>QTY.</u></b></p> <p>60  60  20  60  20  40  60 Set  60  60  60  40  60  60 Set  60 Set  60  60  180  60 Set  60  60  60 Set  60  20  20  40 Set</p>
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	<p><b>B) .REFRIGERATION SYSTEM</b>  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 &amp; faults of the system shall be shown on the control panel. Capacity &amp; 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</p> <p><b>C) Electrical system</b>  System shall operate from single – phase , 220V, 50 HZ, supply or from 3 pH , 4 wire , 380 V</p> <p><b>D) Spar parts</b>  An itemized and priced spar parts list sufficient for fife years repair &amp; maintenance of the equipment shall be submitted with the offer . the price shall be C&amp;F Baghdad and the spares shall be shipped with the cold stores . among other things , the list shall including the following items.</p> <p><b><u>No. Description</u></b></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 &amp; alarm thermostat  8- High-low pressure cut out  9- Oil pressure cut out  10- Door gasket with heater  11- Contactor for compressor  12- Relays &amp; electrical switches &amp; klaxon  13- Defrost heaters  14- Over load  15- expansion valve  16- filter drier  17- fuses  18- solenoid valve  19- alarm horn  20- micro switch &amp; spare for air curtain  21- operating switches  22- alarm horn  23- micro switch &amp; spare for air curtain  24- operating switches</p> <p><b>E) TESTING &amp; GURANTEE</b>  tender shall guarantee the cold stores for a period of tow years starting from the date of putting them in operation . all equipment shall be tested &amp; out standing technical problems shall be discussed &amp; settled in the firm prior to the shipment of the equipment &amp; in the presence of our engineer , tender shall pay for the return air tickets of our engineer &amp; 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><b><u>QTY.</u></b></p> <p>16  16  8  16  8  16  16 Set  16  16  16  16  16 Set  16 Set  20  20  20  20  10  10  5  20  20  20  40 Set</p>
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	<p><b>F) Training :-</b> Tendered shall train two person on the repair and maintenance of the equipment for a period of one month in this firm. Tendered shall bear all costs in clouding air tickets.</p> <p><b>G) Installation</b> 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&gt;</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>	
02-06-00038	<p><b>Equipment : computer</b> Processor: Pentium II 450 MHz MMX compliant with year 2000 – 512 Kb cache Mother board: BX(AGP,PCI,ISA)ATX RAM: 128 MB Hard disk : at least 6.2 Gb CD-ROM :40X EIDE Sound card : PCI 32 BIT (software wave table)AW5-128 SPEAKERS:180W Floppy disk : 3.5 “ HD 1.44 Mb Display adapter : AGP 8 Mb Monitor : 15” SVGA 1024 X 768 , 0.28 DPI Network card : 10/100 Mb /S Ethernet Fax modem card : 56 (V. 90) fax /modem Case : mini tower (ATX 250 w) Keyboard: A/E 104 KEYS (PS/2 CONN.) Mouse: 2 buttons (PS/2 CONN.) Zip drive : Iomega internal 100Mb with 100 box containing 100 Mb diskettes CD-RW: CD- writer 2X2X6X with 100 box containing blank CDs Super disk: internal 120 MB Imation ATAPI IDE inter face with(100)boxes of diskettes UPS :400VA/250W Printers : - DOT matrix : EPSON LQ 2170 Arabic - LaserJet : HP- 6L - Inkjet (cooler) : HP-DeskJet 1120C</p>	2000
02-06-00039	<p><b>Equipment : Softeners</b> - Fully automatic softener and meter control - Control panel ,Brine tank, with its interconnecting pipe system and all its additional accessories suitable for continuous soft water supply as following: - Max floweret :- 10 m<sup>3</sup>/h - Resin:- strong cationic resin sodium base - Power supply :- 220V or 380V 50 HZ - Hardness treated water 0°FTH - Presume drop :- 8 MWG - Operating pressure :- 2 to 6 bar - Recommended spare part for 5 year with complete quantity of exchange resin. - Supply complete catalog and drawing electric mechanical spare part and moutenance operation catalog. - Training for 2 Engineers +2 Technician</p>	50



02-06-00040	<b>Equipment : Softeners</b> - Fully automatic softener and meter control - Control panel, Brine tank, with its interconnecting pipe system and all its additional accessories suitable for continuous soft water supply as following: - Max flow rate :- 5 m <sup>3</sup> /h - Resin:- strong cationic resin sodium base - Power supply :- 220V or 380V 50 HZ - Hardness treated water 0°FTH - Presume drop :- 8 MWG - Operating pressure :- 2 to 6 bar - Recommended spare part for 5 year with complete quantity of exchange resin. - Supply complete catalog and drawing electric mechanical spare part and maintenance operation catalog. - Training for 2 Engineers +2 Technician	50
02-06-00041	<b>Equipment : hospital lift complete</b> <b>QTY As below</b> Site:- Medical city general hospital  1- hospital standard 24- Passengers Patient bed, side open door 21 floor Stainless steel doors with all parts need to replace existing lifts (erection and operating) for medical city 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 doors 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.	<b>Qty.</b> 1 PCs  1 PCs 2 PCs 3 PCs  2 PCs 1 PCs  2 PCs 5 PCs
02-06-00042	<b>Fork Lift (2Ton)</b> 1.DIESEL ENGINE 4 CYLINDER WATER COOLED 2.BATTERY 12V 3.NORMAL HYDROLIC GEAR 4.MAX HEIGHT 3.5M	15
02-06-00043	<b>Absorption chiller</b> 550 TON	20
02-06-00044	<b>Sterilize</b> 1- slide door steam sterilize 2- automatic operation 3- internal steam supply	1

**Generator : 1500 KVA**  
**750 KVA**  
**550 KVA**  
**55 KVA**

8  
19  
65  
162

Fully automatic mains failure diesel generator sets suitable for operation in tropical dusty atmosphere at ambient temp. Ranging from 0C-60 C and humidity 95% on weather sound proof container for (1500 ,750 , 550)KVA and weather proof canopy with sufficient place for maintenance and repairing.

Prime power : (1500,750,550,55) KVA

Nominal voltage : 400V

Nominal frequency : 50 HZ

Speed : 1500 rpm

Power factor : 0.8

Voltage variation : static + \_ 1-1.5 %

Alternator connection star with neutral

-Insulation class F rotor and stator

-temperature rise class F rotor and stator

- harmonic distortion factor < 3.5 %

- construction B3/B5

- radio interference class N

- tropical insulation

- regreasable type bearing DE and NDE life time equals 100,000 hours

Damper winding for parlor operation 100% unbalanced Load

Ambient temp. 0-60 C , humidity 95%

Fuel tank 18 hours at full load operation ,8 hour for 55KVA

Starting battery capacity 240 AH ,voltage 24 V for (1500,750,550)KVA, 12V 120 AH for 55KVA

Time delay on starting 0-60 second

On release 0-15 minutes

Over load operation 10% for one hour

The diesel engine, (west European origin made ,first oil filling , water cooled with turbo interceder for 500 KVA and above electronic speed governeration )Is rigidly coupled with synchronous alternator (west European origin ,self exciting self regulating revolving field Brussels automatic voltage regulation) and mounted on a common base frame and probably connected electrically and mechanically to control panel which is designed for full automatic operation with status indication.

The set engine and alternator and control panel is equipped with all accessories needed for sensing indicating warning metering protecting and supervision the flowing:

- 1- starting failure
- 2- over and under voltage
- 3- over and under speed
- 4- Oilpressure and temp.
- 5- low fuel level
- 6- Water pressure and temp.
- 7- phase failure and sequence
- 8- Over load and short circuit.
- 9- battery failure
- 10- lubrication system failure
- 11- cooling and pre-heating system failure
- 12- fuel injection system failure
- 13- Alternator winding and bearing temp.
- 14- alternator over current

the offer including:

- 1- installation one set of each size at site
- 2- spare part for 5-years
- 3- warranty period of tow years after operation at site

02-06-00046	<p><b>Paging system</b></p> <p>1-Complot paging system compressing control station and 5 W transmitter maximum rang less than 1000 m and 100 radio receiver</p> <p>2-the system should be either independent or interfacing with any type of exchange</p> <p>3-installation on site for 6-system and training technicians of other sites during installation to install the other system</p> <p>4-training on factory for 5 engineers for 2 weeks</p> <p>5-complot sets of manuals installation and manta enamel</p> <p>6-spare parts for 2 years</p> <p>7- greenery for one year and one maintenance</p>	47
02-06-00047	<p><b>Equipment: Freezers</b></p> <p>Volume : 16 ft<sup>3</sup></p> <p>Temperature: from 0<sup>0</sup>C to -30<sup>0</sup>C.</p> <p>220V ,50HZ, 1PH</p> <p>compressor : Tecumseh or Danffos</p> <p>frion use : R12 or R22</p> <p>Dial thermometer outside</p> <p>the door have lock</p> <p>Inside wall for freezer Aluminum plate.</p> <p>Freezer has alarm system when temp. low or high</p>	350
02-06-00048	<p><b>Equipment: Vaccines refrigerator</b></p> <p>Volume : 16 ft<sup>3</sup></p> <p>Temperature: from 0<sup>0</sup>C to 30<sup>0</sup>C.</p> <p>220V ,50HZ, 1PH</p> <p>compressor : Techumsuh or Danffos</p> <p>frion use : R12 or R22</p> <p>Dial thermometer outside</p> <p>the door have lock</p> <p>Freezer has alarm system when temp. low or high</p>	1000
02-06-00049	<p><b>Equipment: Gas Cookers</b></p> <p>Each with 4 Gas burner boiling top ream vebut for cleaming with ignition by pilot light.</p> <p>Kncobe adjustable flame intensity over operation controlled by selection switch with 3 heating meets bottom or top only on both elements.</p> <p>Over temp. control 50<sup>0</sup>C - 320<sup>0</sup>C grill facility provided.</p>	125
02-06-00050	<p><b>Equipment: Electrical Cookers</b></p> <p>Consist of :</p> <p>1- 4 boiling plates on top</p> <p>2- Under mounted oven.</p> <p><b>Spec.</b></p> <p>1- Each boiling plate reacted power 4 Kw. with safety thermostat power can be regulated at 4 levels.</p> <p>Control Knob with 5 sittings starting from (OFF) up to (HIGH) with indication lamp.</p> <p>2- Over operation controlled by selection switch with 3 heating moods (Bottom or Top) only on both elements.</p> <p>Over temp. control 50<sup>0</sup>C - 320<sup>0</sup>C grill facility provided .</p> <p>3- All pants stainless steel leak prove miscible pants.</p>	121

02-06-00051	<p style="text-align: center;"><b>Equipment : Generator (1000 KVA) Generator (250 KVA )</b></p> <p>A) Description : Fully automatic mains failure diesel generating sets nominal power as above</p> <p style="padding-left: 40px;">over loading 10 % power factor 0.8 Voltage 400/ 230 V Frequency 50 HZ 3 phase with natural speed 1500 rpm</p> <p>suitable for operating in tropical dusty atmosphere at ambient temp. ranging from 10 C to 60 C , diesel generating set is laid in side weather &amp; sound proof container .</p> <p>B) Diesel engine The engine is breeder to be ( Cummins , scan , Volvo , duets) or with similar to them speed 1500 rpm , water cooled with all accessories needed for safe operation including sense &amp; control on pressure &amp; temp. of water . Oil cooled with oil cooler if necessary . Pressure lubrication with oil filter including first filling with engine oil including all accessories needed for serving &amp; controlling the temp. &amp; pressure of oil . The Engine contains ; Radiator Basic engine , fly wheel housing , fly wheel , turbo- charger , oil pump , injection pump with electric speed governor , fuel hand pump for air release , electric starter 24 volt D.C , charging alternator , automatic shutdown incase of oil pressure &amp; temperature failure , oil pressure &amp; temperature . sensors/switches, water temperature &amp; pressure sensors /switches ,engine wiring system which must not be affected by oil, fuel &amp; engine temperature ,exhaust manifold with all of it's accessories, manual pump for oil drainage oil drainage screw, electric pre-heating system (2 x 3000 watt,220 volt) &amp;automatically controlled with indication lamp thermometer . free standing radiator with electric driven fan, for cooling the air in the room during stand- by operating &amp; for cooling the water of the engine during diesel operation respectively radiator with air- ducts , finger protection grill &amp; expansion tank . all equipment's mounted on acumen frame . piping system between radiator &amp; engine must be included &amp; connected . Alternator :-  type is preferred to be (Hitzinger, Macron, Simmons ) or which similar to them synchronous alternator ,Brushless internal pole with integrated excitation &amp; patented regulation system</p> <p>Nominal power : 1000 KVA, 250 KVA Voltage :400/230 volt power factor : 0.8 connection : star with neutral</p> <p>-Insulation class F rotor and stator -temperature rise class F rotor and stator</p> <ul style="list-style-type: none"> <li>- harmonic distortion factor &lt; 3.5 %</li> <li>- construction B3/B5</li> <li>- radio interference class N</li> <li>- tropical insulation</li> <li>- regreasable type bearing DE and NDE life time equals 100,000 hours</li> </ul>	180 90
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voltage variation static : +/- 1 %  
voltage range : +/- 5%  
Revolution :1500 rpm  
Frequency :50 HZ

Assembly

Temper winding : for parallel operation unbalanced load

Switch panel

Engine & alternator are rigidly connected with intermediate flange & mounted on a common base frame. Coupling for power transmission from engine to alternator

for fully automatic mains & sequence failure operation designing according to the following requirements .

- 1- one voltmeter & phase selector switch for generator & main power
- 2- Three ammeters with three current transformers (secondary current 5 A)
- 3- one frequency meter .
- 4- one our recorder
- 5- pair of change over contractors mechanically & electrically interlocked
- 6- circuit breaker fitted with thermal overload trips & magnetic short circuit release , the generator .
- 7- automatic battery charger device 220/24 volt with voltmeter & ampere meter for starter battery voltage & current , MCB for charging device , switch on/off for battery voltmeter , indication of failure in battery system
- 8- manually operated change - over switch to connect load directly to network to facilitate isolation & maintenance of control panel
- 9- main supply voltage monitoring system to be sensitive to voltage variation +/- 10 % adjusted till variations +/- 15 % with indication lamp
- 10- time delay on start (0-60 second ) setting on 30 sec .
- 11- time delay to isolate load from generator & connecting it to the main power setting one minute
- 12- time delay for stopping the engine after 6 min .
- 13- failures contain :- (notes all failure with indication lumps & horn )
  - One- starting failure
  - Two- over & under voltage
  - Three- over & under speed
  - Four- low oil pressure
  - Five- low fuel level
  - Six- low pressure water
  - Seven- alternator over current
  - Eight- louver failure
  - Nine- emergency off
  - Ten- oil temperature high
  - Eleven- dynamo failure
  - Twelve- cooling water temperature high

Indications with laps

- 1- generating set is ready
- 2- mains voltage
- 3- engine is running
- 4- electronic speedometer
- 5- load on mains
- 6- load on alternator

### Container

push button & switches

- 1-emergency off
- 2- horn off (to stop the horn only)
- 3- test of lamps
- 4- reset (to cancel all the faults)
- 5- control switch for manual operation mains Contactor
- 6- control switch for manual operation alternator Contactor
- 7- selector switch with positions ( 0, manual ,automatic ,test )for engine operation

### Accessories

- 1-weather & sound proof
- 2- should have sufficient space for checking , repairing & maintenance the engine & the generator
- 3- slide or outside opening doors on both sides of the container to enable the technician to repair major faults in the engine or in the alternator , i.e. the opening length to be for the whole generator & engine set
- 4- the monitoring , operation , maintenance & repairing of the eclectic panel board must be from the out word side of the container & must be weather proofed ( the panel must be with the container)
- 5- connection box for the outlet cables must be accessed from out word side of the container & must wide for easy connection for main power & consumers cables , also must be weather proofed.
- 6- batteries place must be easy to reach, maintain & replace.
- 7- the louver at the end of the container at the opposite side of the radiator must be opened automatically & gradually during operation , & must be closed gradually when the engine is stopped
- 8- fuel tank should be fixed under the generating set , it's capacity suitable for 18 hours operation at full - load . it contains fuel level gauge & low fuel level alarm switch .
- 9- stair at one side of the container to reach the container roof easily.
- 10- Electric lighting must be sufficient inside the container at least 6 florescence (40 watt ,220 volt for each florescence)

### Comments

(all items must be connected in it's actual places 0

- 1- manual pump for drainage fuel from fuel tank including valve.
- 2- manual pump for filling fuel to the tank including valve.
- 3- A.C 220 volt electric pump for filling fuel to the fuel tank in parallel with item (2) with it's control & protection circuit
- 4- electric D.C 24 volt fuel pump to arrange fuel to the injector before starting the starter motor
- 5- heavy duty lead acid batteries for starting unit mounted at the set including cables , terminals & installations

	<p>Warranty</p> <ol style="list-style-type: none"> <li>1-list of recommended spare parts for the engine, alternator &amp; panel board for 5 years</li> <li>2-spare part manual for engine , generator &amp; panel board (one copy for each unit )</li> <li>3-work shop manual for engine , generator &amp; panel board (one copy for each unit )</li> <li>4-circuit diagram for electronic circuits used in the generating set such as A.V.R. , electronic compact &amp; electronic governor one copy for each unit</li> <li>5-electric wiring diagram , electric circuits diagram for the whole set (one copy for each unit )</li> <li>6- complete sets of tools &amp; measuring equipment for work shop that can maintain &amp; repair the generating set unit.(one set for each unit)</li> <li>7- the offer must include four prices :- <ul style="list-style-type: none"> <li>One- the specification above with container which is weather &amp; sound proofed</li> <li>Two- the specification above with container which is weather proofed</li> <li>Three- the specification above for no brake - generating set (U.P.S.) system. The container is weather &amp; sound proofed</li> <li>Four- the specification above for no brake - generating set (U.P.S.) system. The container is weather proofed</li> </ul> </li> </ol> <p><b>Warranty and guarantee condition</b></p> <ol style="list-style-type: none"> <li>1- two years from date of operation of the genet at site .</li> <li>2- three years maintenance after warranty period</li> </ol> <p>training of 6 engineers , 4 technician for a period ten weeks at the factories of manufacturer of the engine , the generator &amp; the panel board including all costs of full board lodging ticket (Baghdad -company- Baghdad) &amp; all travel expenses . the training program should be for the detail maintenance &amp; repair theoretically &amp; practically for the following equipment</p> <ol style="list-style-type: none"> <li>1- engine (3 weeks)</li> <li>2- alternator (main alternator + exciter +A.V.R. )(2 weeks)</li> <li>3- control panel board (one week)</li> <li>4- all kinds of injection fuel pumps &amp; speed governors (one week)</li> <li>5- all kinds of circuit breakers &amp; high current contractors (one week)</li> <li>6- coupling Caltech &amp; turbo charger (one week)</li> <li>7- water pump , starter motor &amp; charging (one week)</li> </ol> <p>note :- generating sets should be arrived to the installation sites</p>	
02-06-00052	<p><b>Equipment: kitchen equipment</b>  Company / manufacture: European  Site: medical city</p> <p>Mobile sink capacity 220 liter dimension 800X600X500mm total high 650 mm</p>	6
2-06-00053	<p>Mobile sink capacity 220 liter dimension 800X600X500mm total high 650 mm</p>	6
02-06-00054	<p><b>Equipment: Steam Boiler for heating (5 ton/hr)</b></p> <p>A) Steam Boilers</p> <ol style="list-style-type: none"> <li>1. The sub-contractor shall provide install, test, and commission one no. packaged steam boiler and associated equipment.</li> <li>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.</li> </ol>	<b>41</b>

	<p>3. The packaged boiler shall be manufactured in accordance with either the relevant TRD/DIN (German code) or British standards.</p> <p>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 .</p> <p>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.</p> <p>6. The boiler shall be high efficiency 3-parse Ir. reversed flow type with pressurized combustion chamber.</p> <p>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.</p> <p>8. Flue connection shall be at the rear of the boiler.</p> <p>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.</p> <p>10. The packaged boiler shall have the following mounting:</p> <ol style="list-style-type: none"> <li>1. main steam valve</li> <li>2. 2-high lift state valve, 5000 kg blowing – off pressure 10 bar</li> <li>3. pressure gauge.</li> <li>4. 2-water level gauge.</li> <li>5. feed water pressure gauge.</li> <li>6. Burner control sensors.</li> <li>7. water level /feed pumps controls.</li> <li>8. pressure control</li> <li>9. Blow down valve suitable for timed automatic operation in conduction with timer unit.</li> <li>10. 2-boiler feeding pumps with electric motor designed specified boiler capacity at 10 bar.</li> </ol> <p>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 .</p> <p><b>B- BOILER FLUE GAS DUCTING</b></p> <ol style="list-style-type: none"> <li>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.</li> <li>2. The “nominally” horizontal flue gas ducting shall be infect be in stalled “to fall ”,rising slightly ,towards the main vertical chimneys.</li> <li>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.</li> <li>4. A condenser drain valve shall be provided from the base of vertical flue ,located at low level, complete with hose connection.</li> </ol> <p><b>C. BOILER FEED WATER + CONDENSATE TANK INCLUDE. CHEM. DOSING</b></p> <ol style="list-style-type: none"> <li>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.</li> </ol>	
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2. The tank shall be constructed of sheet steel with welded joints and will be supplied complete with all necessary channel iron wall and floor supports thickness 5mm.

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

1. 500mm bolted access manhole
  2. Glass water level gauge.
  3. water level control electrodes and associated solenoid valve for make-up water.
  4. Sprague pipes for condense return below water level.
  5. spray pipes for direct steam injection below water level for preheating feed water at boiler start-up, complete with thermostatically control valve.
  6. vent pipe.
  7. all necessary connection.
  8. 50 mm thick rigid foil backed fibber glass insulation of 64 kg/m<sup>3</sup> density finished in 24 swag aluminum sheeting.
4. The tank shall also have provision for being chemically dosed by Adonis set.
5. The dosing set shall consist of plastic mixing drum with an adjustable rate dosing pump suitable for dosing oxygen scavengers, as recommended by the boiler manufacture or other equal and approved 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 duel type in order to provide feed water for 24 hours/day continuously (No death-time due to regeneration).
2. The water softener must be supplied complete with :
  - booster pump(inlet pressure 0.5 bar).
  - salt tank(brine tank)
  - 2water softener colors complete with control solenoid valves
  - filter(strainer)
  - contact water meter compel. With water softener control unit
  - all armatures

	<p>3. The water softener must have capacity at 80-100 liter/h</p> <p>4. <u>water treatment</u>  water specification:  -total water hardness    <math>\text{CaCO}_3</math>    150    400  -calcium                      <math>\text{Ca}</math>            40    120  -chloride                      <math>\text{Cl}</math>            10    70  -sulfate                        <math>\text{SO}_4</math>          40    120  -pH-value                                            6.8    7.6  -Fe                                                    0    0.24  -total alkalinity            <math>\text{CaCO}_3</math>    110    160</p> <p>G. <u>Heat exchanger (horizontal type)</u>  with U-copper tubes (extensible) complete with thermal insulation:  -capacity: 450.000 kcal/h  -primary : saturated steam 8 bar  -secondary: water 15-60 c<sup>0</sup>  -complete with asset of drawings</p> <p>H. <u>Heat exchanger (horizontal type)</u>  with U-copper tubes (extensible) complete with insulation:  -capacity : 1.100.000 kcal/h  -primary : saturated steam 8 bar  -secondary water 15-90 c<sup>0</sup>  complete with a set of drawings.</p> <p>I. spare parts for 5 years with complete set of fire tube</p> <p>J. Fuel storage tanks  - content 10.000 Lt.  - wall thickness 5 mm  with tar-coating including supports for air mounting connections and controls to storage tank:  - 1 filling 1 1/2" incl.  - 1 draining 1 1/2" include  - 1 air vent 2" with air  - 1 supply and return  - 1 drain valve 1 1/2" include connection  - 1 supply valve  - 1 manhole 400  - 1 pneumatic fuel gauge  - 1 measuring rod</p> <p>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</p> <p>L. operation manual and diagram complete in English with all drawing electronically and mechanical</p> <p>M. Training  3 engineer and 3 technician for one month at factory</p>	
02-06-00055	<p><b>EQUIPMENT : STEAM BOILER FOR WASHING (0.6 TON/Hr)</b></p> <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 l 3 VZ monarch and gas (butane .propane ) and heavy oil</p> <p>The following item must be included  1. Automatic blow down .contorted by timer  2. Feed/Condense water tank capacity of one meter cube with mechanical float ,water level indicator ,valves. etc,</p>	30

	<p>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</p> <p>4.Oil filter with valve ,strainer, hose of 1/2 outlet diameter and accessories for other type of fuel</p> <p>5.Suitable chimney 5 meter vertical height</p> <p>6.Itemized and separately priced spare parts list sufficient for 5 years and maintenance including 2 sets internal pipes for each boiler</p> <p>7.Suitable automatic water softener plants working on(0.5 bar) domestic water pressure to supply water 8 with zero degree hardness complete with all flexible pipes , electrical equipment's and fittings required and washable sand and clay filter.</p> <p>8.Test certificate for each boiler sublimed by a reputable specialized firm electricity : 4 lines , 3 phase 380/220 voles , 50 HZ water supply : 0.5 bar domestic water pressure Analysis: -Total hardness as CAE 0.3      400mg /l -Calcium as ca                      120mg/l -Chloride as CL                      70MG/L -SULFATE AS SO 4                  120MG/L -pH                                        7.6 -Iron as Fe                              0.24 mg/l -Total alkalinity as cacao 3      160mg/l</p> <p>9.Reco mounded spare part list for 5 years with complete set fine tube</p> <p>10.Supply all electrical and mechanical drawing and maintenance catalog and spare part catalog complete</p> <p>11.Training for 3 engineers and 3 technician</p>	
02-06-00056	<p><b>EQUIPMENT : HOT WATER BOILER (1 TON/Hr)</b></p> <p>A: Out put capacity :- 1 ton</p> <p>B: Fuel type:- gas oil an gas butane ,propane and heavy oil</p> <p>C: Test certificate for each boiler sublimed by are potable specialized firm Electricity :- 4 line, 3 phase 380/220v ,50HZ</p> <p>D: Recommended spare list for 5 years with complete set fir tubes</p> <p>E: Supply all electrical and we chemical cataloged drawing and maiteance ,spare part catalog complete</p> <p>F: Training for 3 engineers and 3technition</p>	108
02-06-00057	<b>TYRE</b> 600X 14	1000
02-06-00058	700X 15	500
02-06-00059	750X 16	2000
02-06-00060	1200X 20	1400
02-06-00061	1200X 24	500
02-06-00062	3007436/007	48
02-06-00063	3007436/004	48
02-06-00064	2003087/001	24
02-06-00065	2003087/002	24
02-06-00066	<b>BATTERY</b> 60 AMP	2098
02-06-00067	90 AMP	454
02-06-00068	135 AMP	100
02-06-00069	540 AMP	474
02-06-00070	530 AMP	25
02-06-00071	30	194
02-06-00072	200	240

	<p>complete box battery Type:- 24 DRH 7  serial no. :- A9050158 F.O  capacity:- 511 A/AT 5 hour rate  volt:- 48  size:- 52x53x80 cm  each box have 12 battery  each battery size 50x14x11 cm</p>	
02-06-00073	<p><b>Equipment: kitchen equipment</b>  Company / manufacture: European  Site: 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</p>	6

02-06-00074

**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 TECHNOLOGY, BUT ITS A SYSTEM ACCEPTABLE TO UN, SUITABLE FOR ESTABLISHING THE STRUCTURE OF MORE, ADVANCED SYSTEM AS CHEAPLY AS POSSIBLE AND SIMPLE ENOUGH TO BE TRANSFERRED AT LATER STAGES TO MORE ADVANCED COMPUTER SYSTEM, BECAUSE 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, DISPATCH MEDICAL SUPPLIES IN ACCORDANCE WITH THE PROCEDURE LAID 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 BACKUP SYSTEM NOT LESS THEN 8 GB NATIVE STORAGE
- 9-EXTERNAL STORAGE CABINET WITH 4.3 GB DRIVE
- 10- ORGAL DATA BASE LICEINCE FOR 16 USER ON EACH SERVER
- 11-UNIX OPERATING SYSTEM

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

B-PC QUANTITY 130 UNITS

WITH THE FOLLOWING SPECS.

- 200 MHz PROCESSOR
- 16 MB RAM
- 1.6GB INTERNAL STORAGE

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

D- PRINTERS QUANTITY 50 UNITS

E- LASER JET PRINTERS QUANTITY 50 UNITS

02-06-00075	<p><b>Special Equipment for directorate of protection &amp; improvement environment</b></p> <p>Equipment:-Note book computer-</p> <ul style="list-style-type: none"> <li>-12.1 Active matrix display</li> <li>- 200 MMX Intel Pentium processor</li> <li>-512 Pipelined burst cache</li> <li>- 32 MB EDO RAM</li> <li>-2GB HDD (8ms)</li> <li>-16X CD-ROM (removable)</li> <li>- 1.44 3.5" Floppy disk drive</li> <li>- 4 MB EDO PCI Graphics</li> <li>- Zoomed video port ,video in jack</li> <li>- Infrared interface support</li> <li>- Arabic/ English key board</li> <li>- 16 Bit built in sound W/Speakers</li> <li>- Integrated personal touched</li> <li>- Two type II/ One type III PCMCIA slot</li> <li>- Rechargeable batteries (+2 Extra batteries)/ AC Adapter (220 V AC)/charger</li> <li>- Mobile care adapter</li> <li>- Arabic windows 95 + MS plus! + MS office Professional with book shelf for windows 95, including original CD 'S &amp; manuals</li> <li>- Deluxe carrying case</li> <li>- Hp Laser jet 6P printer with 10MB Memory + 10 extra toners</li> </ul> <p>Multimedia projector with the following minimum specifications</p> <ul style="list-style-type: none"> <li>- 800 x600 SVGA</li> <li>- Power zoom focus</li> <li>- 500 ANSI Lumens</li> <li>- Video capable</li> <li>- Wireless PC mouse</li> <li>- recommended spare parts including extra bulb</li> </ul> <p>UPS, APC back -UPS pro 1250</p> <p>Video camera with all accessories (VHS)</p> <p>Television</p> <p>Video with all accessories</p> <p>Trans code</p> <p>Recorder with all accessories</p> <p>Photo camera</p> <p>Over head projector</p> <p>Slide projector with accessories</p>	<p>2</p> <p>2</p> <p>2</p> <p>2</p> <p>2</p> <p>20</p> <p>20</p> <p>20</p> <p>20</p> <p>20</p> <p>20</p> <p>20</p> <p>20</p> <p>20</p> <p>20</p>
02-06-00076	<p><b>MANUAL HYDROLIC JACK</b></p> <p>TYPE TROLLY JACK</p> <p>CAPACITY : 1TON 0.250TON</p>	20
02-06-00077	<p><b>MANUAL MECHAMICAL JACK (0.250TON)WITH SPARE PARTS FOR TWO YEARS</b></p> <p>TYPE TROLLY JACK</p> <p>CAPACITY : 1TON 0.250TON</p>	2

02-06-00078	<b>CHILLER AIR COOLD</b> CAPACITY 75TON AMBIENT TEMP 60C WATER OUT LET 12C IN LET WATER 6C COMPRES TYPE SEMI HERMATIC COIL METERIAL COPPER TUBS WITH ALEMINUM FINS FAN TYPE PROPELLER EVAPORETUR SHEEL AND TUBS (COOLER TYPE) PUMPS FIOW REAT SUITABLE FOR THE CHILLER AIR HANDING UNITS ITS WITH CAPACVITY ELECTRICAL BOARD FOR OPRATION	20
	Equipment: kitchen equipment Company / manufacture: European Site: medical city	
02-06-00079	Electric boiling pan, 3PH, 380 V, 50 HZ, and 20 KW, dimension: approx. 1X1X1 m , capacity : 100liter , material inner lining of acid proof S/S, outer casing and lid of S/S with foundation frame	3
02-06-00080	Electric boiling pan, 3PH, 380 V, 50 HZ, 30 KW, dimension approx. 1.25X1X1 m , capacity : 200liter , material inner lining of acid proof S/S, outer casing and lid of S/S with foundation frame	3
02-06-00081	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	2
02-06-00082	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	2
02-06-00083	Potato peeler mounted on astounds, 3 pH, .5 KW dimensions approx. 500X750X 1000mm capacity approx. 28 I Bs /load materials stand of cast iron cylinder of aluminum	1
02-06-00084	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	2
02-06-00085	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	2
02-06-00086	Food cutter 3pH 380 V 50HZ dimensions approx. 750 X600X500mm capacity volume of bowl 11liter speed of bowel 16/33 rpm speed of knife 1400 /2800 rpm material bond of s/s cover and stand of elect of aluminum with all accessories knives s/s spanners	2
02-06-00087	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	3
02-06-00088	Universal kitchen machine 1 pH dimension space required 370X270X500mm material casing of light alloy accessories mixing attachment 20 liter bowel capacity meat miner with 3, 4 ½ , 13mm cutting plates and one four bled knife mashing machine	2
02-06-00089	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	6

**Site/ Medical city**

02-06-00090	<p><b>Equipment : Absorption chiller</b>  capacity : 1000 RT  Replacement to 16 JE carrier  - Eva &amp; 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. &amp; 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. (CO) :- 38  flow (L/S): - 240  tube velocity (M/S):- 3.28  pass no. : 1  - gen.  Model 16 JE 707  Steam Pr - ( bar gauge ) :- 0.772  Steam rate ( G/SEC) :- 2275</p>	6
02-06-00091	<p><b>Equipment : Centrifugal electrical chiller</b>  Replacement to 17FA carrier  Capacity : 1000TR nominal.  Compressor : Hermetic motor - compressor  out put- 1000HP  Volt- 380 V , 3PH, 50 HZ  full automatic load control  full protection .  Evaporator: model 17 FA ZZ  in- out temp. ( Co): 7- 4.4  flow -(L/S) : 306  tube velocity ( M/S): 2.5  pass no. : 1  condenser: model FAZZ  in out temp. (Co) : 29.4- 35.5  flow ( L/S) : 170.3  tube velocity (M/S) : 2.6  pass no. : 2  tubes -tube length (m) : ZZBWG - 3.7</p>	14



02-06-00092	<p><b>Equipment : Centrifugal electric chiller</b>  Replacement to 17 DA carrier  capacity : 3000 TR nominal  Motor : out put : 2240 KW - 3000 HP  volt : 11000V , 3PH  RPM : 1488  AMP : 138  compressor : model 17 DA – 74  B.H.P : 2234.86 KW  drive H.P: 2240 KW  speed increase : 5439/ 1488  cooler: model 17 DA - 73-ZZ  tube length (m) : 6.7  flow (L/S) : 311.6  in out temp (Co) : 12.5 - 4.38  no. of tubes : 1410  condenser : model 17DA - 67  tube length (m) : 4.6  flow (L/S): 471.9  in out temp (Co) : 29.4- 35.9  no. of tubes : 1801  no. of tubes for economizer : 199</p>	2
02-06-00093	<p><b>Equipment : air compressor with motor</b>  pneumatic control  motor : 30 HP . 380 V , 3 pH , 50 HZ, 2300 L/min  max. discharge pressure : 20 bar  operating pressure : 12 bar</p>	15
02-06-00094	<p><b>Equipment : air compressor with motor</b>  diesel starting  motor : 2.6 KW , 3PH, 380V, 50HZ, 1500 rpm 0.065 m3/min 2.3 CFM  max working pressure: 3200 PSI,</p>	13

02-06-00095	<p><b>Equipment : Incinerator</b>  pyloric incinerators without grate to ensure complete combustion to incinerator general hospital waste including paper , wrapping material , plastics, animal and vegetable waste and pathological waste. Incinerators must be capable to receive the above waste without separating 100 mg/nm3 .  content of CO: max. 0.002 %  visibility of flue gases : max. 1 ring element  the incineration must not produce any smell ( the post combustion temp. must be above 800 Co).  volume of ash : max. 3% of initial volume  weight of ash: max. 12% of initial weight  the waste must be completely burnt &amp; the contact of unbent organic matter of the ash must not exceed 3% . suppliers must forward with the quotation a document by the natural official institution proving that the above standard are achieved . preference is given to incinerator achieving the above figures without additional filtration equipment .  capacity : suitable to burn complete human corps 2 at time . Kg/day during 6 hours /day during 6days / week corresponding to an hourly capacity of 100 kg/hr.  Design : incinerator of the pyrolytic type are preferred . it should be able to operate the incinerator as follows:  manual feeding through special feeding door with temp. lock in order to protect from accident .incinerator must be without grate in order to avoid liquid waste to fall into the ash container without being incinerated .  incinerator must be equipped with primary and one secondary ( pilot ) burner . the fuel consumption of the burners is to be indicated in the offer .  control : automatic control with all necessary swishes , lamps , gauges , etc. in order to ensure automatic operation of the incinerator .  electrical supply : 220 - 380 V , 50 cycle  chimney : stainless steel chimney of sufficient length and diameter with spark arrest.  fuel oil tank : fuel oil tank made from steel plate , sand plastid and provided with protecting paint, sufficient for one month incineration for both burners including tank armatures .  various : all motors to resist tropical conditions  spare part : itemized and priced spare parts list sufficient for five years.  training: for tow engineer and tow technetium in your factory for the period of three week.</p>	30
02-06-00096	<p><b>Equipment : kerosene refrigerator</b>  - refrigerator work with electric heater &amp; kerosene  - size 12 ft3  - dial thermometer on the door  - refrigerator have tow door first for freezer &amp; the second for refrigerator .</p>	197
02-06-00097	<p><b>Equipment : meat cold store</b>  walk in freezers to preserve fresh meat at internal temp. ranging from (-15 C) to (- 25) at the following ambient conditions :  summer : DBT 50 Co  WBT 25 Co  winter : DBT 1 Co  WBT - 2 Co  Internal volume of freezer : not less than 20 M3  A : CONSTRUCTION :  1- freezers shall be shipped in knock - down section easy to re- effect .  1- 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-</p>	150

02-06-00098	<b>EQUIPMENT: SUB – STATION</b> <b>SITE: MEDICAL CITY</b> BUSWAYS, 1600 AMP. RATING . AS ABOVE BUT BETWEEN MV MAIN SWITCH BORD NAD TO 9-CHILLERS EACH 1500 AMP. FLC	750 METERS
02-06-00099	<b>Pump for spring well</b> type:TurbainH:30MHP:50Q:25M3380V,3ph,50Hzinlet3", out let3"	4
02-06-00100	<b>Computer &amp; Communication system to cover KIMADIA</b> central, Doha, and sector warehouses. with high specs, UPS s, printers and universal bar code readers.	1
02-06-00101	<b>Mechanical Governor control</b>	5
02-06-00102	<b>Water pump</b>	5
02-06-00103	<b>Equipment :- CLIME CHAPPEE</b> 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 m <sup>3</sup> /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	33

02-06-00104	<p><b>H.T. System</b>  We need to supply of eight H.T breaker with the specification below for each H.T breaker :-  3ph ; 12 kV , 630A, 50HZ, 350MVA which motorized with driving motor 110V D.C and it operate with controlled voltage 110V D.C and can be operated electricity or manual and satisfied the protection (phase failure ; wrong sequence ; over voltage ; under voltage ; earth leakage ; over currant ; trip in case of fire ).</p> <p><b>Connections</b>  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 inclduring 2H.T breaker complete and tools for repairing and maintenance complete maintenance operation and installation catalog and training for 2 engineer the system complete with the dimensions below length 3meter ; depth 1.7 meter ; high 2.25m</p> <p><b>Notes:-</b>  The system must be operated with vacuum method  Quantity :-  6 system for 6 site + Recommended spare  Old system  Original system with the specification below :-  CEM company (France)  Type MF- 120620  3ph 12kv 630A 50HZ  350 MVA  Motorized 110VD.C                      controlled voltage 110VD.C  Gas SF6 pressure 5bar</p> <p><b>Quantity</b>  40 H.T breaker</p>	40	
02-06-00105	<p><b>SHORT LIST FOR MATERIALS FOR CENTER OF NEUROLOGY</b>  Materials for mechanical works  Centrifugal or reciprocating water chiller 230 ton</p>	2	Including refrigerant gas
02-06-00106	A.H.U W/accessories	11	
02-06-00107	Condenser Evaporate and Boiler pumps	6	
02-06-00108	Heap filter(60 x60cm)for O.R	130	
02-06-00109	Perforated diffusers for O.R	5	4-3x3m &1-3.2x3.2m
02-06-00110	EI.Bd. W/temp and humidity sensors for O.R	6	
02-06-00111	<p><b>MATERIALS FOR SANITARY WORKS</b>  Central medical gases system</p>	Lot	
02-06-00112	Stainless steel scrub-up basins	5	W/accessories
02-06-00113	Oxygen plant	Lot	
02-06-00114	<p><b>MATERIALS FOR ELECTRICAL WORKS</b>  Nurse call system</p>	Lot	13n.st W/accessories
02-06-00115	Bed head unit	104	Different types

02-06-00116	<b>Fire alarm system</b>	Lot	Sys. W/accessories for 12 zones
02-06-00117	<b>Central clock system for O.R</b>	Lot	1-master plus 5-slave
02-06-00118	<b>Generator set (800 KVA)</b>	1	
02-06-00119	<b>Bed passenger lift</b>	2	
02-06-00120	<b>Sound reinforcement system</b>	Lot	
02-06-00121	<b>Emergency exit light</b>	30	
02-06-00122	<b>UPS system</b>	6	3-5kw plus 3-7kw
02-06-00123	<b>Sparkles switch socket</b>	82	Different capacities
02-06-00124	<b>Materials for civil works Conductive PVC tiles for O.R dept</b>	27m2	W/accessories and adhesives
02-06-00125	<b>Ceiling panels for O.R</b>	105m2	W/accessories and hangers
02-06-00126	<b>Wall panels for O.R</b>	28m2	W/accessories and built in items
02-06-00127	<b>PVC skirting for O.R dept</b>	250l.m	W/accessories and adhesives
02-06-00128	<b>Equipment : pumps</b> Company name : Guinard France Description -Complete pump+motor (NE 6x16) Q=100 m3/hr H=30m Kw 15 3ph , 400V COs Q 0.89 r.i.p. = 2995		6
02-06-00129	<b>-set of repining kit for the pump (NE 6 x16)</b>		12
02-06-00130	<b>Complete pump + motor (NE3 x16)</b> Q= 15 m3/hr H=30m 3ph COs Q 0.9, r.p.m=2850 400V		18
02-06-00131	<b>-Set of repining kit for the pump (NE 3x16)</b>		36
02-06-00132	<b>Accessories</b> Microtck scanner A3 size (color)		2
02-06-00133	<b>Printer HP Desk jet 890C</b>		2
02-06-00134	<b>Digital Camera (Sony)</b>		2
02-06-00135	<b>Video in card (MPWGENCODER)</b>		1
02-06-00136	<b>Plotter A0 size (Disk jet color)</b>		1
02-06-00137	<b>Multi Media Projector</b>		2
02-06-00138	<b>Jackboot (20 CD changer) for Libra</b>		1
02-06-00139	<b>Copy Machines</b> Minolta photocopy machine 2080		2
02-06-00140	<b>Kiss graph machine copy speed (60-130 copy per minute) GR-1750 or GR-3750</b>		1
02-06-00141	<b>Video and calling system requirement</b> Video camera digital with motorized connected to the current system		60

02-06-00142	27" <b>Monitor video</b> in –video out connected to the current video system	40
02-06-00143	<b>Amplifier for current audio calling system</b>	20
02-06-00144	<b>Video recorder U-Match</b>	20
02-06-00145	<b>Video Recorder VHS</b>	5
02-06-00146	<b>Video Caddie U-Match</b>	500
02-06-00147	<b>Video Caste VHS</b>	100

6	<p><b>Equipment:-Pegging system</b>  Description  -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</p>	02-06-00148
12	<p><b>Equipment:- water softener</b>  Description  -supply complete water softener with the valves 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</p>	02-06-00149
80	<p><b>Equipment:- Package</b> 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</p>	02-06-00150

02-06-00151	<p><b>TYPE 1</b>  <b>PENTIUM</b> 333MHZ MMX (INTEL) COMPLIENT WITH YEAR 2000  MINITOWER CASE  64MB RAM (512CACHE)  UP TO 5GB HDD  15" SVGA MONITOR WITH 8MBAGP CARD (SVGA)  144 FDD (3.5)"  104 AIL KEYBOARD +(MOUSE &amp;PAD)  MULTI MEDIA KIT (32X CD-ROM+ 16-SOUND BLASTER+SPEACERS+microphone)  CD-WRITER 2X2X6  FAX -MODEM CARD  LAN CARD 32 BIT (PCI)  WITH 1.4 APC UPS</p> <p><b>TYPE 2</b>  <b>PENTIUM</b> 333MHZ MMX (INTEL) COMPLIENT WITH YEAR 2000  MINITOWER CASE  32 MB RAM  3 GB HDD  14"SVGA MONITOR WITH 4MB AGP SVGA CARD  1.44 FDD (3.5)"  104 AIL KEYBOARD + (MOUSE&amp;PAD)  CD-ROM 32X SPEED  LAN CARD 32BIT (PCI)  WITH 1.4 APC UPS</p> <p><b>TYPE 3</b>  <b>PETIUM</b> 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 &amp; PAD)  LAN CARD 32 BIT (PCI)  CD- ROM 24X SPEED  WITH 1.4 APC UPS  <b>PRINTERS</b>  EPSON LQ 2170 DOTMATRIX WITH ARABIC  HP LASER GET 6P  <b>SCANNER</b>  AT LEAST 4800 DPI FLAT BED PAGE SCANNER</p>	40
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**EQUIPMENT: FAN COIL UNIT**

COMPANY NAME: WESPER

02-06-00152	COMPLETE FAN COIL TYPE V.P.N 61 SINGLE SHAFT	300
02-06-00153	COMPLETE FAN COIL TYPE V.P.N 81 DOBLE SHAFT	120
02-06-00154	COMPLETE FAN COIL TYPE V.A.C 41 SINGLE SHAFT	24
02-06-00155	COMPLETE FAN COIL TYPE V.A.C 81 DOBLE SHAFT	18
02-06-00156	COMPLETE FAN COIL TYPE V.A.C 111 DOBLE SHAFT	18

SUPPLY MAINTENANCE AND OPERATION AND INSTALLATION AND SPARE PART CATALOG  
 TRAINING OF OYR STAFF IN MAINTEANCE FACTORY

SPARE PART FOR 5 YEARS INCLUDING THER MOSTAT MOTOR SELECTOR SWITCH

SUPPLY COMPLETE UNIT WITH ITS ALL  
 ACCESSORIES INSTEAD OF OLD MODEL

CONVEC FLEXIFLAME 70 LP GASES

SERIAL NO: 82487612 -02

COMPANY NAME: - CHAFFOTAUX ETMAURY

GINE LIST OF SPARE PART FOR 5 YEAR

SUPPLY COMPLETE MAINTENANCE AND OPERATING AND INSTALLATION AND SPARE PART  
 CATALOG

TRAINING OF OUR STAFF IN MANUFACTURE FACTORY

02-06-00157	<b>EQUIPMENT CHILLER</b> CAPACITY : 550 CENTRIFYAL TYPE WATER COOLED SPARE PART FOR 5 YEARS TRAINING FOR ENGINEAR SUPPLY OPERATION AND MAINTENANA CATOLOG WITH SPARE PART LIST INSTALLATION AND OPERATION AND MAINTEANCE FOR ONE YEAR..	49
02-06-00158	<b>WATER COOLER COMPLATE WITH</b> ¼ OR 1/3 HP COMPRESSON 50HZ SINGLE PHASE 220V SYEARS SPARE PART TRAINING FOR ENGINEER AND TECH	1227
02-06-00159	<b>Equipment :- Window unit</b> Air condition with heater Capacity :- 1.5 ton 220 v , 50 Hz , 1 Ph hotel cooled , R22 spare part for 5 years Training for our tech.	1558
02-06-00160	<b>Equipment :- split unit</b> Split unit with heater Capacity :- 3 ton 220 V , 50 Hz , 1 pH hot and cooled R22 spare part for 5 years training for our tech	250
02-06-00161	<b>Equipment :- deep freeze</b> Deep freeze complete unit flat type inside temp. required :- - 40 Co 220V , single, phase 1 , 50 HZ spare part for 5 years training for engineer and tech Supply catalog spare part and operation and maintenance	158



02-06-00162	<p><b>Equipment :- chiller Air cooled</b>  Capacity :- 80 ton  Ambient temp : 60 C  Water inlet : 6 C  Water outlet : 12 C  380 V, 50 Hz , 3 pH  Compressor type : Semi hermetic  Gas use : R12 or R 22  Training for 4 engineers  Spare part for 5 years  Supply catalog for maintenance and operation and spare part list.</p>	34
02-06-00163	<p><b>Equipment:- cooling tower</b>  Complete cooling tower  Capacity : 4 .201.200 Kcal/h  Working weather 60% humidity and 500 PPM total hardness for water  Water flow : 7800 L/min  Water in :- 41C  Water out :- 32 C  Spare part for 5 years  Training for engineer and tech  Supply catalog for operation and maintenance and spare part list.</p>	22
02-06-00164	<p><b>Equipment:- cooling tower</b>  Capacity :80 ton  Water temp. 38/ 30 C  Complete cooling tower must be separate motor for each blower and will work in high  Humidity weather 60 % Humidity and total hardness is for water 500ppm  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</p>	20
02-06-00165	<p><b>Minibus 21 Setae</b>, Two Wheel Drive with four doors with Air Conditioner, Petrol engine with service, operation, spare parts manuals in English and service and Fast moving spare parts for 2 years operation</p>	1 for the North
02-06-00166	<p><b>Fuel Tanker Scan</b>, Complete Set, 9 cube metros (m3) spare part with service, operation, spare parts manuals in English and service and fast moving spare parts for 2 years operation (other alternative Volvo or Mercedes)</p>	3 for the North

02-06-00167	<p><b>SPECIFICATIONS FOR BLOOD REFRIGERATOR CARS</b>  <b>BIAS VEHICLE:</b>  -ENGINE:                    PETROL ENGINE                    WATER COOLED  TRANSMISSION: MANUAL FLOOR SHIFT  BRAKE: DRUM BRAKE IN EACH WHEEL WITH BOOSTER  ASSIST BARKING BRAKE TO BE CONTROLLED BY HAND  GETTING ON THE REAR WHEELS  - STEERING: POWER STEERING LEFT HAND DRIVE  - SUSPENSION: HEAVY DUTY LEAF SPRING IN EACH REAR  AND FRONT WHEELS  - GAUGES: ALL IN METEORIC SYSTEM .  - AIR CONDITION AND HEATING: TO BE SUPPLIED FOR  DRIVER CAB  - CAB: DOUBLE CABIN  - ELECTRIC EQUIPMENT: HEAVY DUTY 12 VOLT 75 AMP /H  BATTERY  - ANTENNA                    INSTALLATION OF RADIO ANTENNA IN EACH  AMBULANCE AT THE ROOF.  WIRELESS EQUIPMENT: EACH AMBULANCE EQUIPPED  WITH RADIO (WIRELESS COMMUNICATION DEVICE).  - LOAD CAPACITY: THE VEHICLE CAN CARRY NET WEIGHT  NOT LESS THAN 1000 KG  - SIREN AND BEACON: THE CAR EQUIPPED BY BEACON  LONGITUDINAL IN UPPER FRONT OF THE CAR AND  EQUIPPED BY DEVICE FOR COMMOTION  - ASSESSORS: JACK AND HANDLE, WHEEL RING, HAZARD  TRIANGLE  - SPARE WHEEL 12 WHEELS  BLOOD BOX COMPARTMENT  THE BOX WILL BE ENOUGH TO CARRY THE FOLLOWING:  - TWO BLOOD REFRIGERATOR (VERTICAL TYPE) EACH CAN  CARRY 100 UNIT OF BLOOD BAG  - TWO DEEP FREEZER (VERTICAL TYPE) EACH CAN CARRY  150 UNIT OF BLOOD DERIVATIVES  - TWO GENERATOR WORK BY TWO WAY DIRECT ELECTRIC  POWER (OUT POWER) 220V/50HZ/1P BY THE CAR AND IT  MUST CONTINUE TO WORK AT PERIOD NOT LESS THAN  (6) HOURS  - INSIDE TEMP FOR REFRIGERATOR + 2C TO +60C  - INSIDE TEMP FOR DEEP FREEZE-30C TO-60C  - AMBIENT TEMP:60C  - AUDIO AND VISUAL FOR LIGHT TEMP AND LOW TEMP MUST  BE FITTED IN EACH REFRIGERATOR AND FREEZE AND  WILL BE SHOWN ALSO IN DRIVE CAB  -7- EACH REFRIGERATOR AND FREEZE HAVE TWO  SEPARATING COMPRESSOR (ONE WORK AND ANOTHER  STAND BY )  - EACH REFRIGERATOR AND FREEZE HAVE STEIN STEEL  STEAD DOOR (NOT GLASS)  - AUTOMATIC DEFORESTING FOR EACH REFRIGERATOR  AND FREEZE AND THE DRAIN WATER WILL BE THROWN  OUTSIDE THE CAR  - THE REFRIGERATOR AND FREEZER WILL HAVE  REMOVABLE DRAWER  - REF. GAS: R12 OR, RR22 OR R502  - TOW MINI COOLING BOXES FOR MANUAL  TRANSPORTING THE BLOOD BAGS  - THE GENERAL BOX ARE SUITABLE FOR THE JOB OF THE  OPERATION OF BLOOD CARING IN EACH ITEM .AND  EQUIPPED BY TWO REAR DOOR OPERABLE TO THE SIDE  - RECOMMENDED SPARE PARTS FOR 5 YEARS  - TRAINING FOR TOW ENG. TWO WEEKS AND ONE DOCTOR  FROM BLOOD BANK FOR TWO WEEKS</p>	30
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02-06-00168	<b>Equipment Gas Boiler</b> Supply complete unit with its all accessories instead of old model conic flexiflame 70 cp. Gases serial No. 82487612-20 Company name :- CHAFFOTANUX ETMAURY give list of spare part for serer supply complete maintenance and operating and installation and spare partscatalog Training of our staff in manufacture factor y-	18
02-06-00169	<b>Centralized cooker s</b>	3
02-06-00170	<b>Bata peeling machine</b>	3
02-06-00171	<b>Tomato press</b>	3
02-06-00172	<b>Horizontal Deep freeze 16' foot</b>	3
02-06-00173	<b>Washing machine laundry</b>	3
02-06-00174	<b>Press</b>	3
02-06-00175	<b>Betts for Iron roller</b>	66
02-06-00176	<b>Pentium 2 Intel</b>	30
02-06-00177	<b>CPU 333 MHz with cache RAM 128 MB</b>	30
02-06-00178	<b>Hard disk 9 GB</b>	30
02-06-00179	<b>SVGA card 4 MBV RAM</b>	30
02-06-00180	<b>17" color SVGA monitor</b>	30
02-06-00181	<b>Screen filter</b>	30
02-06-00182	<b>LAN card 32 Bits</b>	30
02-06-00183	<b>CD -Drive 34 X</b>	30
02-06-00184	<b>Sound D32 Bit 3 D</b>	30
02-06-00185	<b>HP laser jet printer 6p++10 extra toner</b>	30
02-06-00186	<b>Modem Fax card (56.6) KBPS</b>	30
02-06-00187	<b>English/Arabic KB (104 Keys)</b>	30
02-06-00188	<b>MS mouse</b>	30
02-06-00189	<b>Mouse -Peed</b>	30
02-06-00190	<b>3.5 FDD HD</b>	30
02-06-00191	<b>HP Laser jet printer</b>	30
02-06-00192	<b>Extra Black Toner</b>	150
	<b>General specifications</b> Theunite shall be completely weather proof for outdoor applications Electric supply power 380/50/3 Ambient tem 46. C Air cooled condenser R- 22 re fragrant to be used Compressor shall be reciprocating semi-hermetic sealed type with crank -case heater The blower shall be forward -curved centrifugal double -unit type The blower motor shall be provided with variable pitch pulley Air filters shall be washable & designed for 2-5 m/s air velocity The heater shall be inside electric resistance type All cabinet panels shall be 16 gauge steel	
02-06-00193	<b>FORK LIFT (5 TON)</b> 1. DIESEL ENGINE 4 CYLINDER WATER COOLED 2. BATTERY 12V 3. NORMAL HYDRAULIC GEAR 4. MAX HEIGHT 3.5M	25

Cod	No. Req	Summer						Winter		Blower		Comp. Load/kw		
		Cooling load kcal/H		Evaporate temp C				Electrical heater		Fresh air (m/h)	Supply air (m/h)	External (mm w.g)	Bo wer	Kw
		Effective sensible load	Total load	Entering		Leaving		Kw	No.of stage					
				D.B	W.B	D.B	W.B							
02-06-00194	1	65700	98400	28	17.5	14	9.5	70	2	4980	28050	7	7.5	46
02-06-00195	1	55200	81900	33	19.8	143	9.5	58	2	4400	22440	6	7	37
02-06-00196	1	19400	28200	28.4	17.5	14	9.5	20	2	1630	8160	5	2	13.6
02-06-00197	1	29670	44100	28.4	17.5	14	9.5	31	2	2550	12750	5	3	22.8
02-06-00198	1	12510	18150	28.4	17.5	14	9.5	12.8	2	1020	5100	5	1.5	8.9
02-06-00199	1	41000	50500	28.4	17.5	14	9.5	36	2	2720	13600	5	3	22.6
02-06-00200	1	12510	18000	28.4	17.5	14	9.5	12.7	2	1020	5100	5	1.5	8.9

02-06-00201	<b>Size of clinker /1<sup>st</sup> stage 406. 4mm (16") tow</b>	<b>2 set</b>
02-06-00202	<b>Z ND stage :288 .6mm (9)" tow</b> - Power transmission / direct coupling - The compressor used to produce medical oxygen Gas under normal condition - Compressor manufacturer / IHI ishikawajima – industries Co. It'd Tokyo Japan Head office e : New ohtemavhi Bldg. 2- chime . 2chlemachi Chiyoda .KU Toko. Japan Tel Toko (03) 244.6496) Telex J22232 (Chico j 22232) J 22490 , JJ2439Cabra address : Iho Toko - Installed & Commissioning by: Toko Bussan Co. Lt. Twix 242- 2914 Fax 03-423 – 4821	<b>2 set</b>

02-06-00203	<b>Teflon Pistonring 2<sup>nd</sup> Stacie cood No. E238201</b>	20
02-06-00204	<b>Teflon Piston ring ist stage cood No. E148201</b>	16
02-06-00205	<b>Bull Ring 2<sup>nd</sup> Stage cood No. E238202</b>	12
02-06-00206	<b>Piston Assy Ist stage cood No. E141600</b>	2
02-06-00207	<b>Discharge valve seat</b>	100 pcs
02-06-00208	<b>inlet valve seat</b>	80
02-06-00209	<b>I- Typethermometer (0-100C)</b>	5
02-06-00210	<b>L- Type Thermometer (0-200C)</b>	6
02-06-00211	<b>THRENAY SOLENOIO VALVE</b>	10
02-06-00212	<b>Oil preserve</b>	5
02-06-00213	<b>Chain over suttee</b>	5
02-06-00214	<b>AIR Pressure switch cood No. G319968</b>	5
02-06-00215	<b>Temperature switches (120-215C) cood no. G631301</b>	5
02-06-00216	<b>Crank shat Assy cood No. D266700</b>	2
02-06-00217	<b>Oilier PIN cood No.</b>	15
02-06-00218	<b>Retaining Ring cood No. D26706</b>	15
02-06-00219	<b>Bearin6 collar cood No. D260707</b>	15
02-06-00220	<b>Bearing Coeur cood No. D260708</b>	15
02-06-00221	<b>Collar cood No. D260709 Flintier</b>	15
02-06-00222	<b>Filigree cood no. D260710</b>	15
02-06-00223	<b>Bolt cood no. D110711</b>	15
02-06-00224	<b>Key cood No. D260712</b>	15
02-06-00225	<b>Oilier sleeve cood no. D260713</b>	15
02-06-00226	<b>Bearing cood No. 0.0260714</b>	15
02-06-00227	<b>Bearing cood No. D260715</b>	15
02-06-00228	<b>Connecting Rods cood No. D111400</b>	15
02-06-00229	<b>Ding end Bolt cood No. D111403</b>	15
02-06-00230	<b>Caste Nut Cood No. D111404</b>	15
02-06-00231	<b>Crank pin Bearing Cood. No. D111406</b>	15
02-06-00232	<b>Wrist P/N Metal cood No. D111407</b>	15
02-06-00233	<b>Cloture P/N cood No. D961814</b>	15
02-06-00234	<b>Cross Head Assy Cood No. D111300</b>	15
02-06-00235	<b>Wrist P/N covers cood No. D111 303</b>	15
02-06-00236	<b>Wrist P/N D111304</b>	15
02-06-00237	<b>Lockwasher Cood no. D111305</b>	15
02-06-00238	<b>Bolt Cood No. 0430765</b>	15
02-06-00239	<b>Destine Rod cood No. E121606</b>	15
02-06-00240	<b>Precision control thick meter 0-3005 Freq. 0-4000</b>	15
02-06-00241	<b>Thermos couple for outlet and inlet Tem.</b>	15
02-06-00242	<b>Tem. Controller T 675A</b>	15
02-06-00243	<b>Ceramic filter</b>	15
02-06-00244	<b>Flexible hose for tank lorry</b>	2
02-06-00245	<b>Ball valve for pump (tank lorry)</b>	2
02-06-00246	<b>Pump Assy for tank lorry</b>	5
02-06-00247	<b>Flexible hose for filling station</b>	2
02-06-00248	<b>Complot O2 valve for oxygen cylinder type G11</b>	120

## Water pump

Manufacture: old type LEF1: any anther new model

Equipment to the following old pump good quietly

	Article	Qty of repair kit	Qty of complete pump
02-06-00249	<b>Centrifugal pump</b> with motor complete old model : B125/25 name Q forte (m3/h) ; 95 380volt, 50HZ, 3PH	40	10
02-06-00250	<b>Centrifugal pump</b> with motor complete old model :- B 125/20 N Q floweret 9m3/h0:160 Head:- 26m Volt :- 380 , 50 HZ,3PH	40	10
02-06-00251	<b>Centrifugal pump</b> with motor complete old model :- B125/30 Q floweret m3/h : 182 Head:- 21m Volt:- 380 , 50Hz 3ph inletpipe inch :- 5 outlet pipeinch;-4	40	10
02-06-00252	<b>Centrifugal pump</b> with motor complete old model :- B125/25 Q floweret m3/h:- 95 Head :- 17m Volt 380, 50Hz,3Ph	40	10
02-06-00253	<b>Centrifugal pump</b> with motor Old model :- B125/30( Hot water ) Q floweret (m3/h):- 99 Volt:- 380,50 Hz, 3ph	40	10
02-06-00254	<b>Centrifugal pump</b> with motor old model :- B40132 R.P.M= 1450 Q floweret m3/h =14 Head ; - 25 volt;- 380 Hz = 50 pH: 3	20	10
02-06-00255	<b>Centrifugal pump</b> with motor Old model :- B80 /35 Qflowrate :- m3/h 50 volt:- 380 , 50Hz,3ph	20	5
02-06-00256	<b>Centrifugal pump</b> with motor old model :- B125/35 Q floweret (m3/h) :60 volt:- 380 50Hz, 3ph	10	5
02-06-00257	<b>Centrifugal pump</b> With motor old model :- bob 80/25 Q floweret m3/h :59 volt:- 380 , 50Hz,3ph	10	5
02-06-00258	<b>Electric (sewage 0 pump</b> head :- 15-20 380volt: 50Hz,3ph supply complete maintceance and operating installation catalog and spare part Catalan training of our staff in maintenance factory	10	10
02-06-00259	<b>Electric pot</b>		99
02-06-00260	<b>Gaseous pot</b>		93
02-06-00261	<b>Drying tumbler</b> Capacity 15 Kg Heating by electrical element drum stainless steel All accessories needed supply for prepare operation Fitting pipe flexible 1.5 m 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		119

02-06-00262	<p><b>Press</b>  Capacity 20 kg  Stainless steel inner for drum  Automatic operation pno namebel  All accessories needed supply for prepare operation  Connection 380 V 50 HZ 3PH  List for spear part recommended 5 years  All document , menteenens , operation repair  Training tow engineers for 3 weeks in the factory</p>	60
02-06-00263	<p><b>Steam dryer</b>  Capacity 50 kg Heating by steam ( 5- 10 ) bar  Automatic operation  Cylinder material stainless steel  380V 50HZ 3PH  all accessories needed supply prepare operation  List for spear part recommended 5 years  All document , menteenens , operation repair  Training tow engineers for 3 weeks in the factory</p>	62
02-06-00264	<p><b>Iron steam</b>  Flat work ironed , high presser , steam heated , one roller , working with 5-10 bar  Shaft drive , steeples speed regulation from 5- 25 m/ min , ironing surface , roll lifting device , 2 meter long , exhaust fan  Automatic bored and operating 380 V 50 HZ 3PH  Spare parts recommended for 5 years  Training tow engineers for 3 weeks in the factory  All the document / insulation / sprees mentions and operation</p>	79
02-06-00265	<p><b>Electric iron</b>  Flat work ironed machine electrically heat roller with feeding and receiving tables  Automatic operation isolated skid mounted ready for connection and operation 380 V , 50 HZ 3PH  Spare parts included for 5 years  All decumbent installation operation , repair and spare part manual and maintenance  Training tow engineers for 3 weeks in the factory</p>	134
02-06-00266	<p><b>Washing machine</b>  Capacity 50 kg  Inner cylinder made of stainless steel , heating steam 5- 10 bar  Fitting and flexible pipe 1.5 m included  380 V 50HZ 3PH  spare parts for 5 years  all decumbent for met, installation spare part manual and menteenens  Training tow engineers for 3 weeks in the factory</p>	139
02-06-00267	<p><b>Washing machine</b>  Capacity 20 kg  Inner cylinder made of stainless steel heating by electrical element  Automatic operation program able  All accessories needed supply for prepare operation  List spare part recommended for 5 years  All document for menteners operation and repair  Training tow engineers for 3 weeks in the factory</p>	66

02-06-00268	<p><b>Washing machine</b>  Capacity 30 kg  Automatic washer extractor  Heating by electrical element  Inner drum stainless steel  Front panel stainless steel  Automatic operation program able  All accessories needed supply for prepare operation  Flexible pipe 1.5m  Spare parts recommended for 5 years  All document for operation and menteenens  Training tow engineers for 3 weeks in the factory</p>	21
02-06-00269	<p><b>Press</b>  Capacity 50 kg</p>	42
02-06-00270	<p><b>Washer extractor</b></p>	54
02-06-00271	<p><b>Cornice flexiflame 70</b></p>	1
02-06-00272	<p><b>Drying to LBG gas dryer</b></p>	2
02-06-00273	<p><b>Hot water boiler</b>  Capacity 2000 Kw/hr  Working presser 10 bar  Automatic control for safe, starting and operation, automatic blow down valve, safety valve .  Burner : dual fuel L.P.G gas or light gas oil  Automatic operation isolated skid mounted ready for connection and operation  Softener : suitable duplex automatic operation softener suitable for boiler  Spear parts recommended for 5 years  Technical document / insulation / operation / martinets and repair  Training 3 engineers for one month in the factory</p>	30
02-06-00274	<p><b>Steam boiler 1 ton</b>  Working presser 5 bar  Automatic controls safe , starting and operation  Electric feed pump  Automatic water level , sight glass , blow down valve , safety valve  Burner : dual fuel L.P.G gas or light gas oil  Automatic operation isolated skid mounted ready for connection and operation  Suitable duplex automatic operating softener suitable for boiler  Spear parts recommended for 5 years  Technical document / insulation / operation / martinets and repair  Training 3 engineers for one month in the factory</p>	27
02-06-00275	<p><b>Calling system and equipment for calling system</b>  Complete paging system with its control station and 5 watt transmitter and 100 radio receives .  The system either independent or interfacing with telephone exchange  - supply complete maintenance and operating installation catalog and spare pat catalog</p>	47



02-06-00276	<p><b>Compressor</b></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 following specification :</p> <p>electrical characteristics  nominal voltage 220 V 50 HZ  voltage rang 170 - 240 V  power factor .95 ( shunt capacitor is to be used)  the compressor are to be supplied complot with starting device ( relay or ptc)  over load protector electrical connection board capacitor and the necessary wiring for electrical connection  dimensional data :</p> <p>discharge tube 6.35 mm ID  suction tube 6.35 mm ID  process tube 6.35 mm ID  all tubing shall be made of high quality refrigerating copper tubes  Packing shall be made in strong wooden boxes or metallic cases suitable for shipment in containers and forklift handling.</p>	8826
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02-06-00277	<b>Telephone exchange system</b> 4 X 64 8 X 120 20 X 320 50 X 1000 Auto communication switch system can use both type of telephone rotary dialing type and electronic push –bottom type programming of system facilities and read out should be accessible via data terminal Facilities : consultation call with split call transfer three way conference executive station direct attendant call signaling camp on and over ride paging speed dialing restricted access for trunks call parking auto call back call forwarding manager secretary call interception busy over ride security group hunting UNA ANA Tones : the system should be working on different tones such as internal ringing tone external ringing tone dial tone busy tone over ride tone hold or service tone confirmation tone call waiting tone order tone Operator console : electronic push – bottom operator console can be connected at least 20 meters from the exchange required as communication link for incoming calls and external calls having more facilities than ordinary extenuation such as processing bottoms for arrival and departure callous call indication stand by and release automatic routine of calls serielcall over ride – camp on and hold external line reservation alarm display paging split and conference day timetransfer call tracking and toll display selftesting Power supply : smooth and stabilized 48 V DC at 60 A max provided by main power parlor with 200 AH capacity battery accumulator which can deliver the power to the system for 5 hours in care of main failure In case of 48 VPC failure to the system suitable battery back up supply electricity to 1000 hrs to different kind of memories to save stored elate. Others : 1- Installation the system on sites and tow year maintenance 2- Spare parts for 5 years 3- Comet set of manuals installation maintenance programming and read out testing and trouble shouting. 4- Training on factory 5 engineers and 6 weeks					25 20 20 3
	<b>MOKEL</b>	<b>KW</b>	<b>HEAD (M)</b>	<b>FLOW (L/S)</b>	<b>RPM</b>	<b>QTY.,</b>
02-06-00278	12LN21	340	36	650	1440	6
02-06-00279	12LN17	265	52.5	335	1440	10
02-06-00280	12LN17	224	36	372	1440	4
02-06-00281	ERP80-400	150	140	30	2880	2
02-06-00282	12LA2	150	25.5	415	1440	2
02-06-00283	12LA2	90	30	300	1440	3
02-06-00284	10LA3	90	30	170	1440	2
02-06-00285	10LA3	90	43.3	142.3	1440	2
02-06-00286	65WP315	75	132.5	22.5	2880	2
02-06-00287	6L3	55	32	101.29	1440	2
02-06-00288	6L3	55	52.5	52.24	1440	2
02-06-00289	65WP315	55	103	22.5	2880	3
02-06-00290	ERP60-200	45	190	7.57	2880	6
02-06-00291	50wp315	37	103	10	2880	3
02-06-00292	65WP250	37	68.6	22.5	2880	3
02-06-00293	6L3	37	34	55.5	1440	3
02-06-00294	6L3	30	27	98.5	1440	2
02-06-00295	100WP200	30	37	43.1	2880	2

02-06-00296	80WP160	15	24	30	2880	2
02-06-00297	1 ½ TM2	15	132.5	2.5	2880	1
02-06-00298	40WP200	11	45	7.57	2880	2
02-06-00299	40WP200	11	55	4.36	2880	2
02-06-00300	1 ¼ TM43	7.5	68.6	2.25	2880	1
02-06-00301	4L1	5.5	9	30.61	1440	2
02-06-00302	100WP200	4	11	17.42	1440	2
02-06-00303	1 ¼ TM22	4	83.3	1	2880	3
02-06-00304	3L1	3	8	15.86	1440	2
02-06-00305	3dv2	3	-	-	2880	2
02-06-00306	32wp160	1.5	14.6	2.25	2880	2

02-06-00307	<b>ELECTRICAL FORK LIFT (2 TON)</b> 1.MAXIM HEIGHT 7 TO 7.5 METER 2.FORK LENGTH 750 TO 1600MM 3. FORK CARRIAGE WIDTH 865 4.FORK WIDTH X THICKNESS 120X50 5.FORK SPREAD MAX 815 6. FORK SPREAD MINIMUM 455 7.OVER ALL WIDTH (AXLE BRACKET) 1450 OR 1500 8.LOAD WHEEL TRUCK 1310 OR 1370 9.REACH TRAVEL (MAX) 1220 TO 1625 10.LOAD WHEEL /LOAD CENTER 865 TO 1075 11.SWEEP RADIUS 815 TO 965 12.BOOM LENGTH TO PIVOT CENTER 865 OR 1015 13.LENGTH OF REACH FRAME 1320 TO 1725 14.FACE OF FORK TO PIVOT CENTER 455 TO 660 15.THROAT 965 TO 1805 16.BOOM / REACH FRAME HEIGHT 355 17.MECHANISM WIDTH 205 18.LOAD WIDTH 800 TO 1320 19.LOAD LENGTH 760 TO 1525 20.AISLE WIDTH 1525 TO 1930 21.ELECTRIC MOTORS-REACH 0, 4 KW 22.ROTATE 0, 4KW 23.FONK WIDTH MAXIM 1600 MM	15
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02-06-00308	<b>ELECTRICAL FORK LIFT (1 TON)</b> 1.MAXIM HEIGHT 7 TO 7.5 METER 2.FORK LENGTH 750 TO 1600MM 3. FORK CARRIAGE WIDTH 865 4.FORK WIDTH X THICKNESS 120X50 5.FORK SPREAD MAX 815 6. FORK SPREAD MINIMUM 455 7.OVER ALL WIDTH (AXLE BRACKET) 1450 OR 1500 8.LOAD WHEEL TRUCK 1310 OR 1370 9.REACH TRAVEL (MAX) 1220 TO 1625 10.LOAD WHEEL /LOAD CENTER 865 TO 1075 11.SWEEP RADIUS 815 TO 965 12.BOOM LENGTH TO PIVOT CENTER 865 OR 1015 13.LENGTH OF REACH FRAME 1320 TO 1725 14.FACE OF FORK TO PIVOT CENTER 455 TO 660 15.THROAT 965 TO 1805 16.BOOM / REACH FRAME HEIGHT 355 17.MECHANISM WIDTH 205 18.LOAD WIDTH 800 TO 1320 19.LOAD LENGTH 760 TO 1525 20.AISLE WIDTH 1525 TO 1930 21.ELECTRIC MOTORS- REACH 0, 4 KW 22.ROTATE 0, 4KW 23.FONK WIDTH MAXIM 1600 MM	15
02-06-00309	<b>FORK LIFT (3 TON)</b> 1. DIESEL ENGINE 4 CYLINDER WATER COOLED 2. BATTERY 12V 3. NORMAL HYDRAULIC GEAR 4. MAX HEIGHT 3.5M	30
02-06-00310	<b>FORK LIFT (1 TON)</b> 1. DIESEL ENGINE 4 CYLINDER WATER COOLED 2. BATTERY 12V 3. NORMAL HYDRAULIC GEAR 4. MAX HEIGHT 3.5M	10

02-06-00311	<p><b>MEDICINES CARRYING TRUCKS:</b></p> <p>A- BASIC VEHICLE:</p> <ol style="list-style-type: none"> <li>1. ENGINE: DIESEL ENGINE WATER COOLED</li> <li>2. TRANSMISSION: MANUAL FLOOR SHIFT</li> <li>3. CLUTCH: HYDRAULIC CONTROL SINGLE DRY PLATE WITH AIR PRESSURE ASSISTANCE</li> <li>4. SUSPENSIONS: FRONT: LAMINATED LEAF SPRINGS WITH SHOCK ABSORBERS: REAR: FRONT: LAMINATED LEAF SPRINGS WITH SHOCK ABSORBERS</li> <li>5. SUFFICIENT TO CONTROL THE VEHICLES IN THE PARKING SUPPLIED WITH AIR OVER HYDRAULIC WITH DUAL CIRCUIT</li> <li>6. ELECTRICAL SYSTEM: 24V 120AMP</li> <li>7. INSTRUMENT PANEL: ALL MEASUREMENTS AND GAUGES IN METRIC SYSTEM</li> <li>8. FRAME: PARALLEL, TAPERED CHANNEL SECTION TYPE WITH CROSS MEMBERS AND REINFORCEMENTS</li> <li>9. STEERING: LEFT HAND DRIVE, (BALL NUT TUBE, INTEGRAL TYPE) WITH HYDRAULIC POWER BOOSTER FLOOR SHIFT HANDLE</li> <li>10. TIRES: HIGH QUALITY FRONT WHEELS: SINGLE IN EACH SIDE REAR WHEELS: DOUBLE IN EACH SIDE</li> <li>11. DRIVERS CABIN: ONE AND HALF CABIN SUPPLIED WITH AIR-CONDITIONING SYSTEM (COOLING, HEATING AND VENTILATION)</li> <li>12. EQUIPMENT'S: THE VEHICLES (TRUCKS) IT PROVIDES WITH ALL ACCESSORIES THAT ARE CONCERNING WITH WORK OF THE TRUCK</li> </ol> <p>B- LOADING CAPACITY:</p> <p>FIRST OPTION LOADING CAPACITY (2-4) TON QTY (25)  SECOND OPTION LOADING CAPACITY (5-7) TON QTY (100)  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> <ol style="list-style-type: none"> <li>1. COOLING SYSTEM WORK BY ENGINE OR ELECTRIC POWER 380 VOLT 50 HZ 3 PHASE</li> <li>2. DIAL THERMOMETER MUST BE PROVIDED</li> <li>3. AUDIOVISUAL FOR HIGH TEMP. MUST BE FITTED</li> <li>4. REFRIGERATION MUST SUITABLE TO MAINTAIN THE COOLING SPECIFICATION MENTION BELOW AND USES THE FOLLOWING GASES R12, R22, R502.</li> <li>5. INTERNAL TEMP FROM + 10C TO -20C</li> <li>6. AMBIENT TEMP. <ul style="list-style-type: none"> <li>SUMMER BDT 60C</li> <li>WBT 25C</li> <li>WINTER DBT 1C</li> <li>WBT 3C</li> </ul> </li> </ol>	150
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02-06-00312	<p><b>TRUCKS:</b></p> <p>3rd- BASIC VEHICLE:  3rd- ENGINE: DIESEL ENGINE WATER COOLED  2. TRANSMISSION: MANUAL FLOOR SHIFT  3. CLUTCH: HYDRAULIC CONTROL SINGLE DRY PLATE WITH AIR PRESSURE ASSISTANCE  4. SUSPENSIONS: FRONT: LAMINATED LEAF SPRINGS WITH SHOCK ABSORBERS: REAR: FRONT: LAMINATED LEAF SPRINGS WITH SHOCK ABSORBERS  5. SUFFICIENT TO CONTROL THE VEHICLES IN THE PARKING SUPPLIED WITH AIR OVER HYDRAULIC WITH DUAL CIRCUIT  3rd- ELECTRICAL SYSTEM: 24V 120AMP  7. INSTRUMENT PANEL: ALL MEASUREMENTS AND GAUGES IN METRIC SYSTEM  8. FRAME: PARALLEL, TAPERED CHANNEL SECTION TYPE WITH CROSS MEMBERS AND REINFORCEMENTS  9. STEERING: LEFT HAND DRIVE, (BALL NUT TUBE, INTEGRAL TYPE) WITH HYDRAULIC POWER BOOSTER FLOOR SHIFT HANDLE  10. TIRES: HIGH QUALITY FRONT WHEELS: SINGLE IN EACH SIDE REAR WHEELS: DOUBLE IN EACH SIDE  11. DRIVERS CABIN: ONE AND HALF CABIN SUPPLIED WITH AIR-CONDITIONING SYSTEM (COOLING, HEATING AND VENTILATION)  12. EQUIPMENT'S: THE VEHICLES (TRUCKS) IT PROVIDES WITH ALL ACCESSORIES THAT ARE CONCERNING WITH WORK OF THE TRUCK</p> <p>B- LOADING CAPACITY:  FIRST OPTION LOADING CAPACITY (3-4) TON QTY (50)  SECOND OPTION LOADING CAPACITY (5-6) TON QTY (50)  THIRD OPTION LOADING CAPACITY (8-10) TON QTY (30)</p> <p>C- ACCESSORIES: EACH VEHICLE (TRUCK) SUPPLY WITH THE FOLLOWING:  FAST SPARE PART: AUTO JACK WITH HANDLE AND WHEEL WRENCH HAZARD TRIANGLE</p>	130
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02-06-00313	AMBULANCE	200
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PARTITION

BETWEEN DRIVER'S COMPARTMENT AND PATIENT'S COMPARTMENT FULL COVERAGE PANEL MADE OF STURDY MATERIAL (PRESS WOOD IS NOT TO BE USED) WITH SMOOTH SURFACE AT BOTH SIDE.

PARTITION WINDOW

LARGE, DOUBLE SLIDING SAFETY GLASS CENTRAL WINDOW

PATIENT'S COMPARTMENT

THE PATIENT'S COMPARTMENT IS TO BE FULLY INSULATED.

ROOF HEIGHT

INSIDE HEIGHT NOT LESS THAN 1500MM WITHOUT THE THICKNESS AND REINFORCEMENT.

FLOORING

HIGH QUALITY FLOORING MATERIAL CEMENTED TO A SUITABLE TYPE OF WOOD WITH ALUMINUM MOLDING.

MEDICINE CABINETS

THE LEFT WALL OF THE PATIENT'S COMPARTMENT IS TO BE PARTITIONED INTO ENCLOSED STORAGE CABINETS. COMPARTMENT SPACE AND SHELF SPACE TO BE CONVENIENTLY LOCATED FOR MEDICAL SUPPLIES, DEVICES AND INSTALLED SYSTEM AD APPLICABLE FOR THE SERVICE INTENDED. CABINETS ARE TO BE EASILY OPENED WITH SHATTERED-PROOF TRANSPARENT SLIDING DOOR THE WALL IS TO BE NOT MORE THAN 30 INCHES HIGH. REMOVAL OF CABINET IS TO BE EASY TO FACILITATE BODY REPAIR IN CASE OF AN ACCIDENT.

TECHNICIAN SEAT - FRONT

PROVISION OF A TECHNICIAN SEAT AT THE FRONT OF THE PATIENT'S COMPARTMENT.

TECHNICIAN SEAT-REAR

PROVISION OF A TECHNICIAN SEAT AT THE FOOT OF THE PATIENT'S ON THE RIGHT END SIDE.

INSIDE LIGHTING SYSTEM

THE PATIENT'S COMPARTMENT ELECTRICAL SYSTEM IS TO BE SEPARATED FROM THE TRUCK.

IDENTIFICATION

THE AMBULANCE IS TO BE IDENTIFIED AS FOLLOWS:-

- IT IS TO BE PAINTED CLEAR WHITE
- FOR DECALS FOR THE WORD "AMBULANCE", AND A RED CRESCENT IN ARABIC ONE ON EACH SIDE, ONE ON THE REAR, AND ONE ON THE FRONT

RESUSCITATION EQUIPMENT

- TWO OXYGEN BOTTLES, EACH OF 500 LITTER CAPACITY SECURED WITHIN THE LEFT WALL CABINETS.
- TWO SPARE OXYGEN BOTTLES OF 500 LITTER CAPACITY IN STOWAGE CABIN.
- ONE SET OF ENGLISH BULL NOSE VALVE YOKE, PRESSURE REGULATOR WITH GAUGE FLOW METER AND HUMIDIFIER BOTTLE.
- THREE OXYGEN MASKS, ONE FOR EACH ADULT CHILD AND INFANT.
- THREE PLASTIC NASAL CANNULAS, TWO ADULT AND ONE CHILD.
- FOUR OXYGEN CATHETERS, TWO OF EACH NO.10F.

- ONE MOUTH TO MOUTH VENTILATION MASK

PORTABLE OXYGEN KIT

ONE PORTABLE OXYGEN KIT COMPETE WITH REGULATOR AND SUPPLIES.

SUCTION SYSTEM

ONE VACUUM APPARATUS INCLUDING AN ELECTRIC DRIVEN PUMP.

FIRST AID EQUIPMENT

A BOX IS TO BE PROVIDED CONTAINING THE FOLLOWING:-

- TWENTY PRE- LOCALIZED PADS
- TWELVE COMPRESSIVE BANDAGES
- FOUR 10CM ELASTIC STRIPS.
- SIX GAUZE BANDEAUS, THREE OF 75MM AND THREE OF 150MM.
- TWENTY GAUZE PADS 10CM BY 10CM, INDIVIDUALLY WRAPPED.
- TWO 5CM ANTI-ALLERGIC ROLLS OF ADHESIVE TAPE.
- FIFTEEN TONGUE DEPRESSORS INDIVIDUALLY WRAPPED.

- ONE 100 ML BOTTLE CONTAINING CHLOREXIDINE BASE DISINFECTANT.

AIR SPLINTS

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

STRETCHER

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

SPARE STRETCHER

FOLDING COLLAPSIBLE STRETCHER WITH SUPPORTING SPREADER BARS AND VINYL COATED NYLON FABRIC.

REAR BUMPER STEP

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

BOTTLE HOOKS

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

SPARE STRETCHER HOLDER

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

EXHAUST-VENTILATOR FAN

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

REAR BUMPER STEP

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

BOTTLE HOOKS

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

ANTENNA

INSTALLATION OF RADIO ANTENNA IN EACH AMBULANCE AT THE ROOF.

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

SPECIFICATIONS FOR AMBULANCES

BASIC VEHICLE

ENGINE: PETROL ENGINE WATER COOLED .

TRANSMISSION: MANUAL OR AUTOMATIC.

AXLE: SINGLE REAR OR FRONT WHEEL DRIVE.

STEERING :POWER STEERING LEFT HAND DRIVE.

SUSPENSION : HEAVY DUTY.

COOLING SYSTEM: HEAVY DUTY.

ELECTRICAL SYSTEM: 12 VOLTS WITH HEAVY DUTY ALTERNATOR AND BATTERY.

AIR CONDITIONING SYSTEM: AIR-CONDITIONER AND HEATER FOR BOTH DRIVER AND PATIENT COMPARTMENTS.

SIDE DOOR: SLIDING SIDE DOOR AT THE RIGHT SIDE.

-BACK DOORS: TWO PANEL DOORS OPERABLE TO THE SIDES.

-INSTRUMENT PANEL: WITH METRIC GAUGES AND ODOMETER.

-MIRRORS: ONE INSIDE AND TWO OUTSIDE REAR VIEW.

-TIRES : 5 WITH TUBES, INCLUDING SPARE.

-WARNING EQUIPMENT: SIREN WITH SPEAKER AND BEACON OF THE FOLLOWING TYPES:

-ELECTRONIC SIREN WITH PUBLIC ADDRESS SYSTEM OF 100WATTS OUT-PUT POWER.

-BEACON : TWO REVOLVING DOME TYPE BEACONS LONGITUDINAL A LONG THE WIDTH ON THE FRONT ROOF



- SPEAKER: 100 WATTS SPEAKER INSTALLED INSIDE ENGINE COMPARTMENT.
- ACCESSORIES:
- AUTO JACK WITH HANDLE AND WHEEL WRENCH.
- TOOL KIT BAG.
- HAZARD WARNING TRIANGLE
- FIRE EXTINGUISHER.
- MISCELLANEOUS: THE FOLLOWING IS TO BE SUBMITTED TWO WEEKS AFTER ORDER CONFIGURATION:
- WORKSHOP MANUALS (2 COPIES IN ENGLISH).
- SPARE PARTS CATALOGUES (2 COPIES IN ENGLISH).
- RECOMMENDED SPARE PARTS LIST (DETAILS OF THE LIST ARE TO BE AGREED UPON).
- FAST MOORING PARTS FOR EACH VEHICLE.
- TRAINING FOR 3 ENGINEERS.

OPTIONAL EQUIPMENT'S SCHEDULE AMBULANCE	
VACUUM MATTERS WITH CARRYING HANDLES.	1 FOR EACH
PUMP FOR VACUUM MATTRESS	1 FOR EACH
FOLDING STRETCHER	1 FOR EACH
INFLATABLE SPLINTS, SET OF 4 IN WALLET.	1 FOR EACH
ANALGESIC UNIT.	1 FOR EACH
NITRONOX CYLINDER (LIGHT WEIGHT)	1 FOR EACH
URINAL, MALE.	1 FOR EACH
URINAL, FEMALE.	1 FOR EACH
ORTHOPEDIC SCOOP STRETCHER	1 FOR EACH
BRACKETS FOR SCOOP STRETCHER.	1 FOR EACH
HEAPED AND HARDNESS SET FOR SCOOP STRETCHER.	1 FOR EACH
RESUSCITATOR COMPLETE WITH CYLINDER.	1 FOR EACH
RESTRAINING STRAP FOR RESUSCITATOR.	1 FOR EACH
ASPIRATOR, MANUAL	1 FOR EACH
AMBULANCE CHAIR	1 FOR EACH
BRACKET FOR AMBULANCE CHAIR	1 FOR EACH
FIRST AID KIT COMPLETE WITH CASE.	1 FOR EACH
PENLIGHT	1 FOR EACH
BEDPAN	1 FOR EACH
ANEROID SPHYGMOMANOMETER	2 FOR EACH
STETHOSCOPE.	2 FOR EACH
OTOSCOPE.	1 FOR EACH
THOUGHT CUT SCISSORS.	1 FOR EACH
SEMI AUTOMATIC DEFIBRILLATOR /MONITOR	1 FOR EACH
SECURING DEVICE FOR DEFIBRILLATOR /MONITOR	1 FOR EACH
ARTERY FORCEPS (SPENCER WELLS)	1 FOR EACH
DISSECTING FORCEPS, PLAIN	1 FOR EACH
SCISSORS BANDAGE.	1 FOR EACH
THERMOMETER	1 FOR EACH
NON WOVEN ACRYLIC BLANKET 60"X80" APPROX.	1 FOR EACH
CELLAR BLANKET UNBLEACHED 60"X80" APPROX.	2 FOR EACH
FOAM PILLOW, PCV COVERED	2 FOR EACH
VACUUM FLASK STAINLESS STEEL 1 LITTER.	2 FOR EACH
RESTRAINING STRAP FOR VACUUM FLASKS	1 FOR EACH
OXYGEN CYLINDER, BULL NOSE (SIZE F)	1 FOR EACH
CYLINDER KEY	1 FOR EACH
OXYGEN FLOW METER /REGULATOR	1 FOR EACH
HUMIDIFIER	1 FOR EACH
OXYGEN FACE MASK	1 FOR EACH
GREEN BUBBLE 30 FOOT ROLL	2 FOR EACH

## PARTITION

BETWEEN DRIVER'S COMPARTMENT AND PATIENT'S COMPARTMENT FULL COVERAGE PANEL MADE OF STURDY MATERIAL (PRESS WOOD IS NOT TO BE USED) WITH SMOOTH SURFACE AT BOTH SIDE.

## PARTITION WINDOW

LARGE, DOUBLE SLIDING SAFETY GLASS CENTRAL WINDOW

DOUBLE SLIDING SAFETY GLASS WINDOW BEHIND DRIVER CABINET ITS HEIGHT HALF INSIDE HEIGHT OF ROOF HEIGHT.

## PATIENT'S COMPARTMENT

THE PATIENT'S COMPARTMENT IS TO BE FULLY INSULATED.

## ROOF HEIGHT

INSIDE HEIGHT NOT LESS THAN 1900MM WITHOUT THE THICKNESS AND REINFORCEMENT.

## FLOORING

HIGH QUALITY FLOORING MATERIAL CEMENTED TO A SUITABLE TYPE OF WOOD WITH ALUMINUM MOLDING.

## MEDICINE CABINETS

THE LEFT WALL OF THE PATIENT'S COMPARTMENT IS TO BE PARTITIONED INTO ENCLOSED STORAGE CABINETRY. COMPARTMENT SPACE AND SHELF SPACE TO BE CONVENIENTLY LOCATED FOR MEDICAL SUPPLIES, DEVICES AND INSTALLED SYSTEM AD APPLICABLE FOR THE SERVICE INTENDED. CABINETS ARE TO BE EASILY OPENED WITH SHATTERED-PROOF TRANSPARENT SLIDING DOOR THE WALL IS TO BE NOT MORE THAN 30 INCHES HIGH. REMOVAL OF CABINET IS TO BE EASY TO FACILITATE BODY REPAIR IN CASE OF AN ACCIDENT.

## TECHNICIAN SEAT - FRONT

PROVISION OF A TECHNICIAN SEAT AT THE FRONT OF THE PATIENT'S COMPARTMENT.

## TECHNICIAN SEAT-REAR

PROVISION OF A TECHNICIAN SEAT AT THE FOOT OF THE PATIENT'S ON THE RIGHT END SIDE.

## INSIDE LIGHTING SYSTEM

THE PATIENT'S COMPARTMENT ELECTRICAL SYSTEM IS TO BE SEPARATED FROM THE TRUCK.

## IDENTIFICATION

THE AMBULANCE IS TO BE IDENTIFIED AS FOLLOWS:-

- IT IS TO BE PAINTED CLEAR WHITE
- FOR DECALS FOR THE WORD "AMBULANCE", AND A RED CRESCENT IN ARABIC ONE ON EACH SIDE, ONE ON THE REAR, AND ONE ON THE FRONT

## RESUSCITATION EQUIPMENT

- TWO OXYGEN BOTTLES, EACH OF 500 LITTER CAPACITY SECURED WITHIN THE LEFT WALL CABINETRY.
- TWO SPARE OXYGEN BOTTLES OF 500 LITTER CAPACITY IN STOWAGE CABIN.
- ONE SET OF ENGLISH BULL NOSE VALVE YOKE, PRESSURE REGULATOR WITH GAUGE FLOW METER AND HUMIDIFIER BOTTLE.
- THREE OXYGEN MASKS, ONE FOR EACH ADULT CHILD AND INFANT.
- THREE PLASTIC NASAL CANNULAS, TWO ADULT AND ONE CHILD.
- FOUR OXYGEN CATHETERS, TWO OF EACH NO.10F.
- ONE MOUTH TO MOUTH VENTILATION MASK

## PORTABLE OXYGEN KIT

ONE PORTABLE OXYGEN KIT COMPETE WITH REGULATOR AND SUPPLIES.

## SUCTION SYSTEM

ONE VACUUM APPARATUS INCLUDING AN ELECTRIC DRIVEN PUMP.

## FIRST AID EQUIPMENT

A BOX IS TO BE PROVIDED CONTAINING THE FOLLOWING:-

- TWENTY PRE- LOCALIZED PADS
- TWELVE COMPRESSIVE BANDAGES
- FOUR 10CM ELASTIC STRIPS.
- SIX GAUZE BANDEAUS, THREE OF 75MM AND THREE OF 150MM.

- TWENTY GAUZE PADS 10CM BY 10CM, INDIVIDUALLY WRAPPED.
- TWO 5CM ANTI-ALLERGIC ROLLS OF ADHESIVE TAPE.
- FIFTEEN TONGUE DEPRESSORS INDIVIDUALLY WRAPPED.
- ONE 100 ML BOTTLE CONTAINING CHLOREXIDINE BASE DISINFECTANT.

#### AIR SPLINTS

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

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

SPARE STRETCHER

FOLDING COLLAPSIBLE STRETCHER WITH SUPPORTING SPREADER BARS AND VINYL COATED NYLON FABRIC.

REAR BUMPER STEP

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

#### BOTTLE HOOKS

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

SPARE STRETCHER HOLDER

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

EXHAUST-VENTILATOR FAN

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

#### REAR BUMPER STEP

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

#### BOTTLE HOOKS

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

#### ANTENNA

INSTALLATION OF RADIO ANTENNA IN EACH AMBULANCE AT THE ROOF.

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

#### SPECIFICATIONS FOR AMBULANCES

BASIC VEHICLE

ENGINE: PETROL ENGINE WATER COOLED .

TRANSMISSION: MANUAL OR AUTOMATIC.

AXLE: SINGLE REAR OR FRONT WHEEL DRIVE.

STEERING :POWER STEERING LEFT HAND DRIVE.

SUSPENSION : HEAVY DUTY.

COOLING SYSTEM: HEAVY DUTY.

ELECTRICAL SYSTEM: 12 VOLTS WITH HEAVY DUTY ALTERNATOR AND BATTERY.

AIR CONDITIONING SYSTEM: AIR-CONDITIONER AND HEATER FOR BOTH DRIVER AND PATIENT COMPARTMENTS.

SIDE DOOR: SLIDING SIDE DOOR AT THE RIGHT SIDE.

-BACK DOORS: TWO PANEL DOORS OPERABLE TO THE SIDES.

-INSTRUMENT PANEL: WITH METRIC GAUGES AND ODOMETER.

-MIRRORS: ONE INSIDE AND TWO OUTSIDE REAR VIEW.

-TIRES : 5 WITH TUBES, INCLUDING SPARE.

-WARNING EQUIPMENT: SIREN WITH SPEAKER AND BEACON OF THE FOLLOWING TYPES:

-ELECTRONIC SIREN WITH PUBLIC ADDRESS SYSTEM OF 100WATTS OUT-PUT POWER.

-BEACON : TWO REVOLVING DOME TYPE BEACONS LONGITUDINAL A LONG THE WIDTH ON THE FRONT ROOF

-SPEAKER: 100 WATTS SPEAKER INSTALLED INSIDE ENGINE COMPARTMENT.

-ACCESSORIES:

-AUTO JACK WITH HANDLE AND WHEEL WRENCH.

-TOOL KIT BAG.

- HAZARD WARNING TRIANGLE
- FIRE EXTINGUISHER.
- MISCELLANEOUS: THE FOLLOWING IS TO BE SUBMITTED TWO WEEKS AFTER ORDER CONFIGURATION:
  - WORKSHOP MANUALS (2 COPIES IN ENGLISH).
  - SPARE PARTS CATALOGUES (2 COPIES IN ENGLISH).
  - RECOMMENDED SPARE PARTS LIST (DETAILS OF THE LIST ARE TO BE AGREED UPON).
  - FAST MOORING PARTS FOR EACH VEHICLE.
  - ACCIDENT EMERGENCY TOOLS:

**PREGNANCY**

- HOLDING CROWBAR
- ELECTRICAL CUTTER
- HYDRAULIC JACK WORK BY FOOT TO PULL MATERIAL PARTS.
- AIR COMPRESSOR
- HANDING CUTTER DIFFERENT SIZE
- FIRE EXTINGUISHER (QTY 3)
- TRANSMISSION TOOL (QTY 3)
- TRAINING FOR 3 ENGINEERS.

OPTIONAL EQUIPMENT'S SCHEDULE AMBULANCE	
VACUUM MATTERS WITH CARRYING HANDLES.	1 FOR EACH
PUMP FOR VACUUM MATTRESS	1 FOR EACH
FOLDING STRETCHER	1 FOR EACH
INFLATABLE SPLINTS, SET OF 4 IN WALLET.	1 FOR EACH
ANALGESIC UNIT.	1 FOR EACH
NITRONOX CYLINDER (LIGHT WEIGHT)	1 FOR EACH
URINAL, MALE.	1 FOR EACH
URINAL, FEMALE.	1 FOR EACH
ORTHOPEDIC SCOOP STRETCHER	1 FOR EACH
BRACKETS FOR SCOOP STRETCHER.	1 FOR EACH
HEAPED AND HARDNESS SET FOR SCOOP STRETCHER.	1 FOR EACH
RESUSCITATOR COMPLETE WITH CYLINDER.	1 FOR EACH
RESTRAINING STRAP FOR RESUSCITATOR.	1 FOR EACH
ASPIRATOR, MANUAL	1 FOR EACH
AMBULANCE CHAIR	1 FOR EACH
BRACKET FOR AMBULANCE CHAIR	1 FOR EACH
FIRST AID KIT COMPLETE WITH CASE.	1 FOR EACH
PENLIGHT	1 FOR EACH
BEDPAN	1 FOR EACH
ANEROID SPHYGMOMANOMETER	2 FOR EACH
STETHOSCOPE.	2 FOR EACH
OTOSCOPE.	1 FOR EACH
THOUGHT CUT SCISSORS.	1 FOR EACH
SEMI AUTOMATIC DEFIBRILLATOR /MONITOR	1 FOR EACH
SECURING DEVICE FOR DEFIBRILLATOR /MONITOR	1 FOR EACH
ARTERY FORCEPS (SPENCER WELLS)	1 FOR EACH
DISSECTING FORCEPS, PLAIN	1 FOR EACH
SCISSORS BANDAGE.	1 FOR EACH
THERMOMETER	1 FOR EACH
NON WOVEN ACRYLIC BLANKET 60"X80" APPROX.	1 FOR EACH
CELLAR BLANKET UNBLEACHED 60"X80" APPROX.	2 FOR EACH
FOAM PILLOW, PCV COVERED	2 FOR EACH
VACUUM FLASK STAINLESS STEEL 1 LITTER.	2 FOR EACH
RESTRAINING STRAP FOR VACUUM FLASKS	1 FOR EACH
OXYGEN CYLINDER, BULL NOSE (SIZE F)	1 FOR EACH
CYLINDER KEY	1 FOR EACH
OXYGEN FLOW METER /REGULATOR	1 FOR EACH
HUMIDIFIER	1 FOR EACH
OXYGEN FACE MASK	1 FOR EACH
GREEN BUBBLE 30 FOOT ROLL	2 FOR EACH

02-06-00315	<p><b>CLINIC AMBULANCE (INTENSIVE CARE UNIT AND MOBILE THEATRE )</b></p> <p>A- BASIC VEHICLE</p> <ol style="list-style-type: none"> <li>1. ENGINE:- - PETROL ENGINE - WATER COOLED</li> <li>2. TRANSMISSION:- MANUAL GEAR BOX - FLOOR SHIFT</li> <li>3. STEERING:- POWER STEERING LEFT HAND DRIVE</li> <li>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).</li> <li>5. SUSPENSION: HEAVY DUTY</li> <li>6. TIRES:- HIGH QUALITY WITH TUBES</li> <li>7. ACCESSORIES:-FIRE EXTINGUISHER -JACK -WHEEL WRENCH -TOOL KIT - FAST MOVING PARTS</li> </ol> <p>B- PATIENT COMPARTMENT</p> <ol style="list-style-type: none"> <li>1- RISE ROOF MORE THAN 1900MM INSIDE</li> <li>2- HYDRAULIC STRETCHER (AS A TABLE OF THEATRE) MOVE FOR ALL THE DIRECTION. ( AND SHOCK ABSORBER )</li> <li>3- ADDITIONAL BASE FOR HOLDING OF THE STRETCHER IN THE LEFT SIDE OF THE UNIT FIXED</li> <li>4- ILLUMINATION: IN SIDE THE UNIT A FIXED SOURCES OF LIGHT USE FOR THE OPERATION IN THE UNIT SIDE MOVE FOR ALL DIRECTION AS NEED (LIKE OPERATIVE THEATRE)</li> <li>5- EQUIPMENT FOR OXYGEN SUPPLY WITH SET FOR GIVING THE O2 COMPLETE (5 BOTTLE -2 BOTTLE 5000L +3 BOTTLE 500L)</li> <li>6- ELECTRICAL SUCKER COMPLETE WITH ADDITIONAL PARTS PUT IN THE RIGHT SIDE OF THE UNIT (NEAR THE RIGHT HAND OF THE LIGHT)</li> <li>7- AIR CONDITIONING AND HEATING EMT</li> <li>8- BOTTLE HOOKS 3 PARTS OF HOOKS IN THE ROOF FOR THE FLUID &amp; BLOOD TRANSFUSION</li> <li>9- STORE FOR THE MEDICAL DRUGS &amp; INSTRUMENTS ALONG THE SPACE IN SIDE THE UNIT IN TWO SIDE RIGHT &amp; LEFT WITH WASH BASIN IN THE LEFT CORNER OF THE UNIT</li> <li>10- OXYGEN BOTTLE 5-7 500L &amp; TWO MAIN SOURCES - BIG BOTTLE IN THE INSIDE UNIT (5000L) PUT IN DIFFERENT PRESS AS POSSIBLE</li> <li>11- COMPLETE OXYGEN SET</li> <li>12- ANAESTHETIC MACHINE COMPLETE IN THE LEFT SIDE OF THE UNIT ON THE DRIVER SIDE AND AT THE RIGHT HAND OF THE EMT</li> <li>13-INTENSIVE CARE UNIT - MONITOR WITH DC. SHOCK (COMPLETE) + ECG</li> <li>14- ELECTRICAL SUCKER (COMPLETE) FIXED AT RIGHT HAND OF THE EMT</li> <li>15- REFRIGERATOR FOR BLOOD STORAGE (MEDIUM SIZE )</li> <li>16- SOURCE FOR OXYGEN READY FOR USE IN THE ROOF AT BOTH SIDES OF INSIDE THE UNIT</li> </ol>	25
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	<p>C- ADDITIONAL SUPPLIES:-</p> <ol style="list-style-type: none"> <li>1- KIT - SET CONTAINING ALL INSTRUMENTS NEED FOR INTENSIVE CARE &amp; ANAESTHETIC SUPPLIES &amp; INSTRUMENTS SET WITH MASK OF 3 SIZE &amp; ALL OTHER INSTRUMENT &amp; SPHEGMAMONTER &amp; STETHOSCOPE &amp; OTHER SUPPLY COMPLETE</li> <li>2- KIT FOR PORTABLE OXYGEN &amp; COMPLETE ADDITIONAL PARTS FOR GIVING THE OXYGEN</li> <li>3- SUCKER HAND &amp; FOOT SUCKERS</li> <li>4- AIR SPLINT FOR FRACTURES UPPER &amp; LOWER LIMBS 2 SET FOR EACH</li> <li>5- OXYGEN BOTTLE SPARE 5 BOTTLE 500 L</li> <li>6- STRETCHER SPARE <ul style="list-style-type: none"> <li>1 RULING TYPES</li> <li>1 FOLDING TYPES</li> <li>1 PART SCOPE STRETCHER</li> <li>1 AIR STRETCHER</li> </ul> </li> <li>7- KIT FOR FIRST AIDE CONTAINS COMPLETE INSTRUMENT FOR MINOR OPERATION &amp; COMPLETE SET FOR BANDYING WITH SPHEGMONOMETER AND STETTUSCOPE</li> <li>8- ULTRA VIOLET LIGHT INSTRUMENT FOR STERILIZATION UNIT &amp; ANY OTHER THING FOR STERILIZATION SUITABLE IN THE UNIT</li> </ol>	
02-06-00316	<p><b>EQUIPMENT: RADIO (WIRELESS) COMMUNICATION NET WORK FOR EMERGENCY AMBULANCE CALLS.</b></p> <p>CONSISTING OF THE FOLLOWING:-</p> <ul style="list-style-type: none"> <li>- ALL NETWORK SYSTEM OPERATE IN FREQUENCY (420 MHZ- 470MHZ)</li> <li>- NETWORK SYSTEM OPERATE WITH CODING - DECODING DEVICE</li> <li>- ALL NECESSARY ANTENNA FOR THE FOLLOWING STATIONS WITH MAST (IF REQUIRED):</li> </ul>	1 SYSTEM
	<p>CENTRAL STATION WITH DESK CONTROL AND UPS FOR 6 HOURS OPERATION:</p> <ul style="list-style-type: none"> <li>- TO OPERATE ALL CHANNELS FROM ANY DESK.</li> <li>- DISPLAY FOR CODING AND DECODING SYSTEM</li> <li>- DIGITAL CLOCK</li> <li>- LAMPS FOR RECEIVING, TRANSMITTING AND STAND BY.</li> <li>- SEMI-DUPLEX OPERATION (PUSH TO TRANSMIT)</li> <li>- RF OUTPUT POWER SUFFICIENT TO COVER AN AREA 30 KG DIAMETER.</li> </ul>	4
	<p>FIXED STATION (8 CHANNELS):</p> <ul style="list-style-type: none"> <li>- TO COMMENCE WITH CENTRAL STATIONS AND OTHER FIXED STATIONS OR HANDY STATION.</li> <li>- RF OUT PUT POWER NOT LESS THAN (10 RF WATTS)</li> <li>- UPS FOR 6 HOURS OPERATION</li> <li>- EXTRA LAUD SPEAKER.</li> </ul>	100
	<p>MOBILE STATIONS</p> <ul style="list-style-type: none"> <li>- (AS FIXED STATION ABOVE) EXCEPT UPS</li> </ul>	125
	<p>HANDY STATION (WALK TALKY)</p> <ul style="list-style-type: none"> <li>- TO COMMENCE WITH CENTRAL STATION AND ALL OTHER STATIONS</li> </ul>	25
	<p>RECORDER SYSTEM</p> <ul style="list-style-type: none"> <li>- FOR RECORDING ALL MASSAGES DURING 24 HR.</li> <li>- ALL OPTIONS FOR ABOVE ITEMS</li> <li>- INSTALL ALL SYSTEM BY THE SUPPLIER</li> </ul>	3
	<p>2 YEARS WARRANTY (SPARE + MEN POWER)</p> <p>3 YEARS MAINTENANCE MEN POWER ONLY TRAINING FOR 4 FROM OUR TECHNICAL STAFF FOR 3 WEEKS FREE OF CHARGE.</p> <p>* SPARE PARTS LIST WITH ITEM PRICE</p> <p>* FULL CATALOGS (OPERATING AND MAINTENANCE WITH CIRCUIT DIAGRAM WITH EACH UNITS).</p>	

02-06-00317	<p><b>EQUIPMENT:</b>  <b>WHEEL LOADER (1-2M<sup>3</sup>) BUCKET</b>  DRIVER CABINS: FOLDING DOOR, THE LOCKING IS ASSURED ON AN OPEN POSITION. GLASS MADE OF SECURITY TYPE, THE SUSPENSION REDUCES SOUND VIBRATION. AIR-CONDITIONING DEVICE FOR DRIVER CABINS.  ENGINE: DIESEL ENGINE WATER-COOLED  GEAR BOX: INTEGRAL POWER SHIFT.  MOVING SPEEDS: SPEEDS IN KM/H  ELECTRIC EQUIPMENT: 24 VOLT 120 AMP  AXLES: FOUR WHEEL DRIVE: FRONT AXLE AND REVERSE AXLE  TIRES: HIGH QUALITY  BRAKES: HYDRAULIC SERVO BRAKES  PARKING BRAKES: DRUMS ON THE GEAR BOX.  STEERING: STEERING TOTALLY HYDRAULIC WITH CLOSED NEUTRAL POSITION.  HYDRAULICS: HYDRAULIC OPERATING WITH A DRIVE GEAR.</p>	10
02-06-00318	<p><b>EQUIPMENT:</b>  <b>ELEVATING WORK PLAT FORM ON TRUCK</b>  BASIC VEHICLE:  1.ENGINE: DIESEL ENGINE WATER COOLED  2.TRANSMISSION: MANUAL FLOOR SHIFT  3.CLUTCH: HYDRAULIC CONTROL SINGLE DRY PLATE WITH AIR PRESSURE ASSISTANCE  4.SUSPENSIONS: FRONT: LAMINATED LEAF SPRINGS WITH SHOCK ABSORBERS: REAR: FRONT: LAMINATED LEAF SPRINGS WITH SHOCK ABSORBERS  5.SUFFICIENT TO CONTROL THE VEHICLES IN THE PARKING SUPPLIED WITH AIR OVER HYDRAULIC WITH DUAL CIRCUIT  6.ELECTRICAL SYSTEM: 24V 120AMP  7.INSTRUMENT PANEL: ALL MEASUREMENTS AND GAUGES IN METRIC SYSTEM  8.FRAME: PARALLEL, TAPERED CHANNEL SECTION TYPE WITH CROSS MEMBERS AND REINFORCEMENTS  9.STEERING: LEFT HAND DRIVE, (BALL NUT TUBE, INTEGRAL TYPE) WITH HYDRAULIC POWER BOOSTER FLOOR SHIFT HANDLE  10.TIRES:HIGH QUALITY FRONT WHEELS: SINGLE IN EACH SIDE REAR WHEELS: DOUBLE IN EACH SIDE  11. DRIVERS CABIN: ONE AND HALF CABIN SUPPLIED WITH AIR-CONDITIONING SYSTEM (COOLING, HEATING AND VENTILATION)  12. EQUIPMENT'S: THE VEHICLES (TRUCKS) IT PROVIDES WITH ALL ACCESSORIES THAT ARE CONCERNING WITH WORK OF THE TRUCK  13- EQUIPPED WITH FIBER GLASS CABINET, CAPACITY LOADING NOT LESS THAN 200 KG, HEIGHT NOT LESS THAN 10 METERS, HYDRAULIC CONTROL, SAFETY CONTROLS, SUITABLE TO REPAIR ELEVATED WINDOWS, EQUIPMENT AND LAMP POSTS ... ETC.</p>	5

02-06-00319	<p><b>TOWING TRUCK:</b>  SPECIFICATIONS FOR TOWING TRUCK:  1st. BASIC VEHICLE:  1. ENGINE: PETROL ENGINE, WATER COOLED  2. TRANSMISSION: MANUAL FLOOR SHIFT AND ONE REAR SPEED.  3. DRIVE: 4 WHEEL DRIVE  4. STEERING: LEFT HAND DRIVE, (POWER STEERING).  5. SUSPENSION: HEAVY DUTY.  6. MIRRORS: ONE INSIDE AND TWO OUTSIDES SUITABLE FOR DRIVING THE VEHICLE.  7. BATTERY: (12 VOLT – 60 A.H) HEAVY DUTY.  8. TIRES: SEVEN TIRES WITH TUBES INCLUDING SPARE OF GOOD QUALITY.  9. CARBURETOR: SINGLE MANUAL CHOCK.</p> <p>2nd. TOWING DEVICE:  1. BASIC RATING: 5 TONS  2. BOOM RATING:  FULLY RETRACTED (5 TONS)  FULLY EXTENDED.  3. WINCH RATING.  FIRST LAYER OF CABLE (5 TONS)  FOURTH LAYER OF CABLE (3 TONS)  4. LOAD CABLE:  TYPE 6 X 19 CLASS FIBER CORE IMPROVED PLOW STEEL.  DIAMETER AND STANDARD LENGTH (3/8 INCH X 10 FT),  WORKING LIMIT – SINGLE LINE (1 ½ TON) OR 3500 IBS).</p> <p><u>NOTE -1-</u> THE TOWING DEVICE SHOULD BE OPERATE BY BOTH MECHANICAL WAY DRIVEN BY THE GEAR BOX OF THE VEHICLE.  AND IN ANOTHER WAY WE CAN USE IT BY ELECTRICAL WAY DRIVEN BY ELECTRICAL MOTOR DEPENDING ON THE ELECTRIC POWER OF THE VEHICLE.</p> <p><u>NOTE-2-</u> THE VEHICLE SHOULD BE SUPPLIED WITH ALL THE TOOLS NECESSARY FOR TOWING AND DRAWING AND LIFTING THE UNPREPARED CAR.</p> <p>3rd. ACCESSORIES:  1. THE VEHICLE SHOULD PROVIDE WITH AUTO JACK AND FIRE EXTINGUISHER.  2. BOOKLET OF OWNER’S MANUAL (ENGLISH COPY).</p>	50
02-06-00320	<p><b>EQUIPMENT:</b>  <b>MOBILE CRANE</b>  MOBILE CRANE, TELESCOPIC, FULLY HYDRAULIC, (20-30) TONS LOAD NOMINAL.  CARRIER PART:  ENGINE: DIESEL, WATER-COOLED, COMPLETE WITH ACCESSORIES, JACKS, EXTENSIONS, TOOLS.  TRANSMISSION: GEAR BOX, POWER SHIFT  TIERS: HIGH QUALITY  STEERING: HYDRAULIC SERVO- STEERING  BRAKES: SERVICE BRAKE: SERVO- BRAKE WITH COMPRESSED AIR ACTING ON ALL THE WHEELS.  DRIVER CABIN: MADE OF PLATE-STEEL RUBBER SUSPENSION, GLASS SECURITY WINDOWS, CONTROL INSTRUMENTS, ADDITIONAL SEAT FOR PASSENGER, AIR-CONDITIONING DEVICE.  ELECTRIC EQUIPMENT: 24 VOLTS, 120 AMP.  ROTATING PART:  ENGINE DIESEL WATER-COOLED.  CONTROLS BY HAND LEVERS AUTO-CENTERED DISTRIBUTORS.  CABIN: ALL STEEL. GLASS SECURITY WINDOWS, HEATING AND CONTROL INSTRUMENTS.  ELECTRIC EQUIPMENT: 24 VOLTS, 120 AMP.</p>	10



02-06-00321	<p><b>EXCAVATOR, SMALL SIZE</b>  DRIVER CABINS: FOLDING DOOR, THE LOCKING IS ASSURED ON AN OPEN POSITION. GLASS MADE OF SECURITY TYPE, THE SUSPENSION REDUCES SOUND VIBRATION.  EARTH AND CONCRET DIGGING AND EXCAVATOR, SMALL MOBILE SIZE, DIESEL ENGINE, WATER-COOLED. FIELD TRUCK SUITABLE FOR DIGGING BURIED PIPES AND CABLES.  TIERS: HIGH QUALITY  ELECTRIC EQUIPMENT: 24 VOLTS, 120 AMP.</p>	5
02-06-00322	<p><b>MOBILE DEAD BODY</b>  SPECIFICATION FOR MOBILE DEAD BODY CARRIER BASIC VEHICLES.  1- ENGINE: PETROL ENGINE  WATER COOLED  2- TRANSMISSION: MANUAL GEAR BOX – FLOOR SHIFT  4- BRAKE: DUAL- CIRCUIT HYDRAULIC BRAKE WITH VACUUM BOOSTER- SELF ADJUSTING MECHANICAL PARKING BRAKE  5- STEERING: POWER STEERING LEFT HAND DRIVE  6- FUEL TANK: 80 LITTER  7- BATTERY: 12 VOLT/ 75 AH  ALTERNATOR: 14V/90A  STATOR: 1.2KW  8- TIRES: HEAVY DUTY WITH TUBES  9- AIR CONDITION AND HEATING FOR DRIVER CABIN  10- ALL GANGES IN METRIC SYSTEM  11- PAINT: BLACK  12- ANTENNA  INSTALLATION OF RADIO ANTENNA IN EACH AMBULANCE AT THE ROOF.  WIRELESS EQUIPMENT: EACH AMBULANCE EQUIPPED WITH RADIO (WIRELESS COMMUNICATION DEVICE).  B- DEAD BODIES COMPARTMENTS TO BE COOLED BY A SUITABLE COOLING SYSTEM THAT MAINTAINED TEMPERATURE OF (10C) AT AN AMBIENT TEMPERATURE OF (55C) AND THE COOLING DEVICE IS SEPARATED FROM THE CAR ENGINE SHOULD BE FULLY ISOLATED FROM DRIVE CABINET FLOORING AND LINING OF SIDE WALL SHOULD BE OF CORROSION RESISTANT METAL OF SUITABLE THICKNESS JOINTS SHOULD BE WATER PROOF FOR CLEANING PURPOSES COMPARTMENT IS TO BE SUFFICIENTLY LIGHTED COMPARTMENT IS TO BE EQUIPPED WITH AN EXHAUST FAN.  LOADING DOOR: TWO REAR OPERABLE TO THE SIDE OR ONE RIG. FIXED STRETCHER TO BE FITTED IN A SUITABLE PLACE INSIDE THE VEHICLE WITH AN ADDITIONAL MOBILE STRETCHER.  C- ACCESSORIES: JACK WITH HANDLE AND WHEEL RANCH FIRE EXTINGUISHER REPAIR TOOL KIT OWNERS MANUAL (ENGLISH COPY)</p>	50

02-06-00323	<p><b>VEHICLE PICK-UP SINGLE CABIN</b></p> <ol style="list-style-type: none"> <li>1. PETROL ENGINE WATER COOLED</li> <li>2. MANUAL GEAR BOX, FLOOR SHIFT</li> <li>3. STEERING POWER STEERING LEFT HAND DRIVE</li> <li>4.ELECTRICAL EQUIPMENT'S: BATTERY 12V-60AMP HEAVY DUTY</li> <li>5.AIR-CONDITIONING FOR DRIVER CABIN (HEATING AND COOLING)</li> <li>6. SUSPENSION: HEAVY DUTY</li> <li>7. TIRES WITH TUBES: SUITABLE FOR DIFFERENT ROADS (HIGH QUALITY)</li> <li>8. CABIN: SINGLE CABIN WITH DOOR IN EACH SIDE.</li> <li>9. MIRRORS: TO BE EQUIPPED WITH TWO SIDES MIRRORS AND ONE INSIDE</li> <li>10.ACCESSARIES: TO BE EQUIPPED WITH JACK + WHEEL WRENCH + HAZARD TRIANGLE + TOOL KITS + FAST MOVING PARTS . WITH THE VEHICLE AND ANY EQUIPMENT'S CONCERNING THE JOB OF THIS CAR.</li> <li>11.LOADING CAPACITY: FROM (1-2)TONS</li> <li>12.ALL MATERIALS INSERTED IN THE CONSTRUCTION OF THIS CAR IT WILL BE OF HIGH QUALITY (ROOD, SHACKLE, GOODS COVER)</li> <li>13.MAINTEMANCE FOR ALL VEHICLES FOR TWO YEARS ON ACCOUNT OF THE COMPANY WITH TRAINS FOR ENGINEERS AND TECHNICIANS (SPERISON) FOR ONE MONTH</li> </ol>	100
02-06-00324	<p><b>LAND CRUISER 4 WHEEL DRIVER</b></p> <ol style="list-style-type: none"> <li>1.PETROL ENGINE: ENGINE WATER COOLED</li> <li>2.MANUAL GEAR BOX, FLOOR SHIFT</li> <li>3.STEERING: POWER STEERING LEFT HAND DRIVE</li> <li>4.ELECTRICAL EQUIPMENT'S: BATTERY 12V, 60AMP, HEAVY DUTY</li> <li>5. AIR-CONDITIONING: TO BE EQUIPPED WITH EFFICIENT AIR-CONDITIONING SYSTEM FIT WITH OUR WEATHER (HEATING AND COOLING)</li> <li>6.SUSPENTION: HEAVY DUTY</li> <li>7.TIRES WITH TYPES SUITABLE FOR DIFFERENT ROADS (HIGH QUALITY)</li> <li>8. DOORS: TWO DOORS IN EACH SIDE OF THE VEHICLE WITH REAR DOOR</li> <li>9. MIRRORS: TO BE EQUIPPED WITH 2 SIDES MIRRORS AND ONE INSIDE</li> <li>10. ACCESSORIES: TO BE EQUIPPED WITH JACK + WHEEL WRENCH AND HAZARD TRIANGLE AND ANY EQUIPMENT NECESSARY FOR JOB OF THIS VEHICLE</li> <li>11. MAINTENANCE FOR ALL VEHICLES FOR 2 YEARS ON A COUNT OF THE COMPANY WITH TRAINS FOR ENGINEERS AND TECHNICIANS (SPERISON) FOR ONE MONTH</li> </ol>	110
02-06-00325	<p><b>HANDLING TRUCKS</b></p> <p>FOR BOXES CASE (UP TO 300KG) WITH TOE EXTENDED (FOLD UP TOE) 2 WHEELS WITH RUBBER TIRES</p>	100
02-06-00326	<p><b>LIGHT ALLOY TROLLEYS</b></p> <p>WITH ONE REMOVABLE ENDS. 350KG CAPACITY PLATE FORM OF ALUMINUM SLATS INSERTED IN A BOLTED, REIN FORCED FRAME AND CASTORS (2 FIXED AND 2 SWIVEL)</p>	100
02-06-00327	<p><b>HAND PALLET TRUCKS</b></p> <p>CAPACITY UP TO 3000 KG</p> <p>LIFTING: HYDRAULIC CONTROLLED BY HANDLE, RISE 120MM</p> <p>CONTROL HANDLE: RETURNS AUTOMATICALLY TO UPRIGHT POSITION.</p> <p>3 POSITION CONTROL HANDLE (RAISE, NEUTRAL, LOWER)</p> <p>WHEELS Ø 200MM STEERING WHEELS AND SIMPLE Ø 85MM NYLON LOAD BEARING ROLLERS.</p>	100

02-06-00328	<b>MOBILE LADDERS AND PLAT FORMS</b> - IN ALUMINUM TREADS IN NON SLIP STUDED SURFACE - PLATFORM IN ALUMINUM ALLOY, WITH NON SLIP STUDED SURFACE. GUARD RAIL ON 3 SIDES, 1 SERVING AS TOOL RACK HEIGHT 1M. - MAXIM PLAT FORM HEIGHT (3.5 METER) - BASE FITTING FRONT 100MM Ø SWIVEL CASTORS WITHOUT BRAKE.	100
02-06-00329	<b>TELESCOPIC ELEVATING WORK PLATE FORMS</b> - CAPACITY 360 KG FOLDED UP ALUMINUM ALLOY CONSTRUCTION MOUNTED ON 4 SWIVEL CASTORS (WITH EXTENDED LEGS) - OPERATION: A HYDRAULIC SET INSTALLED AT THE BASE OF THE UNIT DRIVES 2 CYLINDERS (1 IN EACH MAST). - POWER SUPPLY 220V AC AND 12V DC (OPTION) - PLATE FORM DIMENSIONS 240 X 70 CM. - MAX- WORKING HEIGHT (11.00M)	40
02-06-00330	<b>HIGH LIFT HAND PALLET TRUCKS 1000KG CAPACITY</b> - FORK WIDTH 520 MM - MANUAL LIFT (HYDRAULIC) - TO LIFT LOAD FROM 83 MM TO 830 MM (OR HIGHER) - LIFTING CONTROL: VIA PEDAL - LOWERING CONTROL: VIA HANDLE	100
02-06-00331	<b>NICKEL – CADMIUM ACCUMULATORS (BATTERIES)</b> 6 VOLT, 6 AH	60
02-06-00332	<b>EQUIPMENT: CLOCK</b> <b>GROGY TIMING OLD MODEL GT1/60C1</b> 1- CENTRAL CLOCK SYSTEM 2- SINGLE FACE SLAVE CLOCK 3- DOUBLE FACE SLAVE CLOCK  4- SPARE PART FOR 5-YEARS 5- COMPLETE CATALOGUES SET 6- INSTALLATION OF ONE SYSTEM ON ONE SITE WITH GUARANTEE TIME ONE YEAR AND MAINTENANCE TIME ONE YEAR AFTER GUARANTEE TIME. 7- TRAINING TWO –ENGINEERS FOR TWO WEEKS AT LEAST ON FACTORY.	10 500 60 FOR 10 SYSTEM 10

02-06-00333	<p><b>SPECIFICATION OF AIRCONDITIONING WARE HOUSE (COLD STORE FOR DRUGS)</b></p> <p><b>FIRST :</b>  Supply 40 prefab cold stores complete and factat with steel structure with the following specification  1- storing at temp 6-20 C  2-APPROXIMATE BUILDING DIMENTION:  80-100 m length  30 m width  6 m hight  3-frams  THE MAIN FRAMS WILL BE MAKE FROM STEEL (COLUMNS ,PURLINS AND SIDE RAILS) AND WILL BE SUPPLIED WITH ALL NECESSARY GABLE STEEL WORK,EAVES TIES.ROOF AND VERTICAL BRACINGS.  4-ROOF AND SIDE WALL CLADING:  THE ROOF AND SIDE WALL CLADING WILL BE INSULATED SANDWICH PANAL POLYURETHENE 38 HG/M3 DENSITY ,AND SUPPLIED WITH FLASHING , GUTTERS ,RAINWATERPIPE, AND 4 NO. 4M X 4M DOORS .  5-THE STORAGE MUST PROVIDED WITH :  -ONE COLD STORE 200 M^3 CAPACITY TEMPRETURE RANGE +_ 0 TO 4 C  6-AIR CONDITIONING INSTALATION :  SUPPLY AND INSTALLED CONDENSING UNIT (ONE STAND BY WITH AIR COOLED CONDENSING UNITS INTERNAL DESIGN TEMP. 6-20C  EXTERNAL DESIGN TEMPRETURE 55 C DRY BULB.  THE SYSTEM PROPOSED SITURATED EXTERNAL TO THE BUILDING STRUCTURE  7-STRAGE RACKING :  WITH HIGHT 5M  8-FORKLIFT TRUKS : 2 NO. FOR EACH STORAGE  9-ELECTRICAL BOARD COMPLET FOR OPERATION AND CONTROL WITH ALL PROTECTION TO START AND TO STOP THE COOLING PROPERTY  10-INSID AND OUTSIDE LIGHTING COMPELTE WITH ELECTRIC BOARD  11 - FIRE ALARM SYSTEM  12- ONE NECESSARY GENERATOR FOR EACH STORAGE</p> <p><b>GENERAL CONDITION</b></p> <p>1- OFFER SHOULD ENCLUD WORK SHOP DRAWING FOR MECHANICAL ,ELECTRICAL AND FOUNDATION OF THE STRUCTURE  2- OFFER SHOULD ENCLUDE COMPLETE ERECTION  3- OFFER SHOULD ENCLUDE 6 MOUNTH MAINTENANS  4- FOUNDATION WILL BE DON BY TH CLIENT ACCORDING TO YOUR DRAWING  5- SUPPLY QUICK MOVING SPARE PARTS LIST ENOUGH FOR 5 YEARS  6- STORE BULIDING TO RESIST 140 KM/HR (WIND SPEED)  SOIL BEARING PRESSURE 5-8 TON /M2</p>	Qty 40
02-06-00334	Telephone exchange system Capacity :1000 line 10% of lines for special	3
02-06-00335	Packaged unit air-conditioning 12 ton for lift room	1

02-06-00336	<b>Equipment: Multimedia projector</b> minimum specification <ul style="list-style-type: none"> <li>- 650 ANSI Lumens</li> <li>- SVGA (800X600) on – screen resolution</li> <li>- Portable 8.2 Kg</li> <li>- on- screen presentation tools</li> <li>- full remote control with “ virtual mouse “</li> <li>- screen image size (diagonal) : 53 CM to 762CM</li> <li>- four input channels for computer and video signals</li> <li>- built-in speakers and audio in puts for external connection</li> </ul>	50
02-06-00337	<b>Equipment : Scanner</b> -push – button scanning <ul style="list-style-type: none"> <li>- full 36 – bit cooler depth ( input and output)</li> <li>- solid steel chassis</li> <li>- fast single – pass scanning</li> <li>- Quick easy – to – install enhanced parallel (EPP) interface (no. SCSI card necessary )</li> <li>- 600 X 1200 DPI optical resolution</li> <li>- 9600X9600 DPI enhanced resolution</li> <li>- Arabic and English OCR +caress Omni page software</li> </ul>	50
02-06-00338	<b>Equipment : notebook</b> <ul style="list-style-type: none"> <li>- Intel Pentium II 300 MHz with MMX TECHNOLOGY</li> <li>- Intel Mobil module (IMM) architecture</li> <li>- 128 Mb EDO DRAM</li> <li>- 512 KB secondary cache</li> <li>- 9GB HDD</li> <li>- 1.44 Mb modular floppy drive</li> <li>- 24X CD- ROM ( optional DVD- ROM drive )</li> <li>- 13.3” TFT screen / XGA screen</li> <li>- integrated 16-bit stereo sound system</li> <li>- NTSC/PAL TV out and s-video out</li> <li>- S3 Virge MX/ 4Mb (video chip /RAM)</li> <li>- PCMCIA 56K integrated fax modem</li> <li>- 232-bit card, 1zoomed vides (PC card slot)</li> <li>- (Battery/life) lithium ion/2.9 hours</li> <li>- (Dimensions/ Travel weight) 2.1x12x9.5”/8.6 pounds</li> <li>- USB and fast IR ports</li> <li>- Integrated personal touch pad</li> <li>- 2 extra Battery and charger for each Unit</li> <li>- VDC connector</li> </ul>	50
02-06-00339	<b>EQUIPMENT:ROOF</b> <ul style="list-style-type: none"> <li>- U Value Kcal/m2 hc: 0.55-0.74</li> <li>- Weight/Kg/m2: 12.51</li> <li>- Length/m: 6-9</li> <li>- External face 0.63mn galvanised steel sheet 0.45mm profile coated with 25 microns superacrulic in standard colour. Iinternal face 0.63mm thick galvanised steel sheet ribbed with 4mm profile coated with 25micron suberacrylic in standard colour</li> <li>- Insulation 30mm polyurethane foam core density 40-50KG/m3</li> </ul>	50000 m2
02-06-00340	<b>EQUIPMENT:WALLS</b> <ul style="list-style-type: none"> <li>- U Value Kcal/m2hc: 0.55-0.74</li> <li>- Weight/Kg/m2: 12.51</li> <li>- Length/m: 6-9</li> <li>- External and Internal face 0.63mm galvanised steel sheet with 4mm profile coated with 25 micron superacrylic in standard colour. Insulation 30mm polurethane foam core. Density 40-45 Kg/m3</li> </ul>	15000 m2 with angle and Tee elements

02-06-00341	<b>offset machine . two colors size: 102 X 71 cm</b>	2
02-06-00342	<b>Offset machine . two colors size: 52 X 72 cm</b>	2
02-06-00343	<b>Press machine letter press size 26 X 38 cm</b>	8
02-06-00344	<b>Camera photo for off set</b>	1
02-06-00345	<b>Device Contac size :100 X 150</b>	1
02-06-00346	<b>Switching machine size : 21\19 for circular white copper</b>	4
02-06-00347	<b>Machine of tying string</b>	4
02-06-00348	<b>Collection machine for all sizes</b>	1
02-06-00349	<b>Juke power carriage</b>	10
02-06-00350	<b>Inking operator for GTO machine size . 32 3 46 cm</b>	6
02-06-00351	<b>Inking operator for GTO machine size : 35 X 52 cm</b>	6
02-06-00352	<b>Numbering box letter press for 6 numbers back down</b>	500
02-06-00353	<b>Film arts graphics black &amp; white</b> Size : 50 X 60 cm 100 X 70 cm 40 X 60 cm	50 50 50
02-06-00354	<b>Set . of light notes to dark notes that</b> Return to picture.	1 set
02-06-00355	<b>plate pressing size : 102X71 cm</b>  52X74 cm  32X52 cm  32X 46 cm	50 boxes each box 50 sheet 50 boxes each box 50 sheet 50 boxes each box 50 sheet 50 boxes each box 50 sheet
02-06-00356	<b>Blanket size : 102X71 cm</b> 52X74 cm 32X52 cm 32X46 cm	200 200 200 200
02-06-00357	<b>Under blanket size: 102X71 cm</b> 52X74 cm 32X52 cm 32X46 cm	200 200 200 200
02-06-00358	<b>Developer plate A &amp; B</b>	1000 for each
02-06-00359	<b>Correction</b>	100 bottle
02-06-00360	<b>Fixer</b>	50 gallon
02-06-00361	<b>Ster lon sheet 100X70 cm</b>	1000 sheet
02-06-00362	<b>Steel core for switching machine 22\19&amp; 21\19</b> <b>Copper core for switching machine 22\19&amp; 21\19</b>	500 turning 500 turning
02-06-00363	<b>Cart bort 100 X70 cm , 240 g\m"</b>  <b>Cart bort 100 X70 cm , 240 g\m"</b>  <b>Cart bort 100 X70 cm , 240 g\m"</b>  <b>Cart bort 100 X70 cm , 240 g\m"</b>	white cooler 500 band green colore500 band blue cooler 5000 band pink cooler 5000 band

02-06-00364	<b>Cart bort 100 X 70 cm ,200 g\m"</b> <b>Cart bort 100 X70 cm ,200 g\m"</b> <b>Cart bort 100 X70 cm ,200 g\m"</b> <b>Cart bort 100 X70 cm ,200 g\m"</b>	White color 500 band Green color 500 band Blue color 5000 band Pink color 5000 band
02-06-00365	<b>Cart bort 100 X 70 cm ,180 g\m"</b> <b>Cart bort 100 X70 cm ,180 g\m"</b> <b>Cart bort 100 X70 cm ,180 g\m"</b> <b>Cart bort 100 X70 cm ,180 g\m"</b>	White color 500 band Green color 500 band Blue color 5000 Band Pink color 5000 band
02-06-00366	<b>Paper 100 X 70 cm , 80 gm ,</b> <b>Paper 100 X 70 cm , 70 gm</b> <b>Paper 100 X 70 cm , 60 gm</b>	White color 500 band) White color 5000(band) White color 5000(band)
02-06-00367	<b>Inking off set</b>	500 sets & 6000 kg black
02-06-00368	<b>Inking letter</b>	250 & 1000 kg black
02-06-00369	<b>Carbon papers 100X70 cm</b> <b>Carbon papers 100X70 cm</b> <b>Carbon papers 100X70 cm</b> <b>Carbon papers 100X70 cm</b>	Whitecolor100 0 band Blue color1000 band Pink color1000 band Yellow color1000 band

<b>EQUIPMENT: SUB – STATION</b>		
<b>SITE: MEDICAL CITY</b>		
<b>QTY.</b>	<b>DESCRIPTION.</b>	
3	<p>STEPDOWN TRANSFORMER DELTA/ STAR 11000/400VOLT, 3500KVA, 50HZ, DRY TYPE, TOTALLY ENCLOSED, INDOOR MOUNTED AND SHALL BE BUILT IN ACORDANCE WITH THE LATEST SPECIFICATION OF BS AND/OR IEC</p> <p>115 C RISE ABOVE 50 C AMBIANT , CAPABLE OF CARRYING 15% CONTINUOS OVERLOAD WITHOUT EXCEEDING A 150 C RISE</p>	02-06-00370
1	<p>A COMPLETE HIGH VOLTAGE SUB-STATION CAPABLE OF FEEDING 3 TRANSFORMERS ; ONE SWITCHGEAR FOR EACH AND A MAIN INCOMMING FEEDER</p> <p>THE H.V SWITCHGEAR SHALL BE HORIZONTAL DRAW OUT C.B ,INDOOR CONSTRUCTION ,WEATHER PROOF , VOLTAGE RATTING 15 KV, SYSTEM VOLTAGE 11 KV, 3 PHASE, 3 WIRE, 50 Hz.</p> <p>DESIGNED MANUFACTURED AND TESTED ACCORDING TO THE BS AND/OR IEC CODE ,WITH ALL PROTECTION AND METERING EQUIPMENTS , THE BREAKER SHAL BE OPERATED BY A MOTOR CHARGED SPRING THE STORED ENERGY MECHANISIM, 110 OR 24 VDC AND IN AN EMERGENCY BY A MANUAL HANDLE, THE SUB-STATION SHALL CONSISTS OF A DC CHARGER 110V OR 24V</p>	02-06-00371
1	<p>MEDIUM VOLTAGE SWITCH BORD MAIN AND TIE CB, SHALL CONSIST OF 3-MAIN INCOMMING FEEDERS FROM THE TRANSFORMERS AND 9- OUTGOING FEEDERS TO FEED 9-CHILLERS OF 1508 AMP EACH, AND 2 TIE BREAKER AND SHALL BE INTERLOCKED WITH THE MAIN BREAKERS SO BOTH BREAKERS CAN NOT BE CLOSED SIMULTENEOUSLY.</p> <p>THE MAIN AND TIE CB'S SHALL BE THE FUSED DRAWOUT TYPE, MECHANICALY AND ELECTRICALY OPERATED AIR CB'S , WITH ALL PROTECTION AND METERING EQUIPMENTS , CALIBRATIONS AND ADJUSTMENTS SHALL BE IN ACCORDANCE WITH I.E.C STANDERDS</p>	02-06-00372
80 METERS	<p>BUSWAYS 5000 AMP. RATING</p> <p>PROVIDE TOTALLY INCLOSED WEATHER PROOF LOW IMPEDANCE BUS WAYS BETWEEN TRANSFORMERS SECONDARIES AND M.V MAINSWITCH BORDS , COMPLETE WITH INCLOSURE , ELBOWS , FITTINGS SUPPORTS , HANGING DEVICES ,ACCESSORIES, CABLE TAP BOXES.</p> <p>BUSWAY SHALL BE 220/380 V , 3 PHASE ,4 WIRE , 50 Hz .</p> <p>BUSBARS SHALL BE COPPER FABRICATED FROM 98% CONDUCTIVITY COPPER ,SILVER PLATED OVER THE INTIRE LENGTH</p>	02-06-00373



02-06-00374	Field car ( 4WD a/c model 99 )	77
02-06-00375	Photo copy machine	20
02-06-00376	Overhead projector , LAMP 650 W , 25 × 25 cm	16
02-06-00377	Television ( 39 inch )	16
02-06-00378	Video camera ( VHS ) with accessories	16
02-06-00379	Double- cassette recorder with amplifier	16
02-06-00380	Video ( VHS ) with accessories	16
02-06-00381	Photo Camera	16
02-06-00382	Slide projector with all accessories	4
02-06-00383	<b>Assembly of video</b> – tape equipment ( for recording , play – back & editing ) (VHS system)	1
02-06-00384	<b>Pentium II</b> -450 MH <sub>3</sub> w/cache 128-MB RAM 6-MB HDD 1.44-MB FDD 40-X CD Drive -Multimedia Kit -8MB VRAM -A/E 104 Keys Keyboard -MS Mouse + Pad -Power Supply + Case+ Dust Covers <u>-15<sup>n</sup> Monitor SVGA</u> *HP Laser jet 1100 Printer <u>Extra Tones 10 foe eachPrinter</u> HP 6P LaserJet printer( 2 only )	50
02-06-00385	<b>STAND BY POWER</b> 150 KVA generator with automatic change over switch	21
02-06-00386	<b>Stand by power</b> 20 UPS 2 KVA generator with automatic change over switch	1