

REHAPETILATION EQUIPMENT									
Equipment :									
Electric submersible darning sewage pump water cooled motor									
Code	Capacity M3/MIN	Head M	Speed R.P.M	Power KW	Volt V	Qty.			
02-06-00001	0.15-0.1	0.365015-0.4	3000	1.5	220 or 380V 50 HZ	150			
02-06-00002	1	10	3000	3.7	220 or 380V 50 HZ	200			
02-06-00003	0.5	15	3000	3.7	220 or 380V 50 HZ	140			
02-06-00004	1	22	3000	7.5	220 or 380V 50 HZ	200			
02-06-00005	Equipment: Package unit					2000			
complet witch supply cold air directly by duct to the building.									
cap: 20 ton									
inside temp : 18 C									
380 v. , 3 pH , 50HZ , gas R22									
02-06-00006	Equipment: Air Cooled Chiller					250			
Cap : 100 Ton									
Ambient Temp. 60C									
Water out let Temp 12 C									
Water in let temp 6 C									
Compress type semi hermetic									
Coil materiel : Copper tubes with element fins									
Fan type : Propeller									
Evaporator : Sheila and tubs									
GSA use R-12 or R-22									
380 V 50 HZ									
02-06-00007	Equipment: Air Cooled Chiller					250			
Cap : 200 Ton									
Ambient Temp. 60C									
Water out let Temp 12 C									
Water in let temp 6 C									
Compress type semi hermetic									
Coil materiel : Copper tubes with element fins									
Fan type : Propeller									
Evaporator : Shell and tubs									
GSA use R-22 or R12									
380 V 50 HZ									
02-06-00008	Equipment: Window type air-condition with heater					25000			
Cap : 2 Ton 24000 BTU									
GSA R-22									
220 V 50 HZ , 3PH									
02-06-00009	Equipment Split Unit with heater					10000			
Cap : 2 Ton									
GSA R-22									
220 V 50 HZ , 24000 BTU									
TIRES									
02-06-00010	600x14	High Quality				4000			
02-06-00011	650x14	High Quality				5000			
02-06-00012	700x15	High Quality				6000			
02-06-00013	750x16	High Quality				5000			
02-06-00014	205x16	High Quality				6000			
02-06-00015	650x16	High Quality				2000			
02-06-00016	1200x20	High Quality				4000			
02-06-00017	1100x20	High Quality				4000			
02-06-00018	1200x24	High Quality				1200			
02-06-00019	1000x20	High Quality				800			
Acid batteries									
02-06-00020	45Amp x12V	High Quality				150			
02-06-00021	60x12	High Quality				1800			

02-06-00022	75x12	High Quality	300						
02-06-00023	90x12	High Quality	800						
02-06-00024	110x12	High Quality	300						
02-06-00025	130x12	High Quality	1000						
02-06-00026	180x12	High Quality	800						
02-06-00027	Equipment : Blood bank refrigerator		800						
	1- internal temp. ranging from +2 C to +8 C at the following ambient								
	Summer : DBT 50 C								
	WBT25C								
	Winter : DBT 1 C								
	WBT _3 C								
	2- Double compressor units for additional safety work with ferine R								
	3-inside and outside materil: stinless steel								
	4-audible/ visual and extenai alarms with battery								
	Low alarm: 0 C								
	High alarm: + 10C								
	5 - Automatic defrosting								
	6- 7Day recorder								
	7- 220V, 50HZ, 3PH								
	Training for 2 engineer two weeks								
	Spare parts for 5 years								
02-06-00028	Equipment : air compressor		70						
	Air compressor complete (compressor + motor) with out tank will be								
	Air compressor :								
	Type LE7 ATLAS COPCO								
	S.N : AML 107283								
	Max working pre bar (2)(10)								
	Max speed R.P.M 1800 , made in sweeden 1983								
	Motor:								
	Type LS 112MI								
	No: 618627, 4KW, 1430 R.P.M								
	(220 V , 15.2A / 380 V,8.8A) , 50 HZ								
	training for engineers								
	spar part for 3 year								
	complete catalog for maintenance operation and installation								
02-06-00029	Equipment:- cooling tower								
	Capacity :150 ton		20						
	200 ton		35						
	100 ton		30						
	50 ton		15						
	Water temp. 38/ 30 Cú								
	Complete cooling tower must be separate motor for each blower and								
	Humidity wetter 60 % Humidity and total hardness is for water 500ppm								
	Recommended spare for 5 years.								
	Include complete motor								
	Fin , belt,shaft, spray nozzle , bearing , blower ,								
	Nozzle , motor complete, ball float valve								
	Training for engineer and tech.								
	Complete catalog for spare part and operation maintenance catalog								
02-06-00030	Equipment: Corps refrigerator		320						
	Walk in freezers to preserve corpses at internal temperature ranging								
	WBT 25 deg.C								
	Winter: DBT 1 deg.C								
	WBT -3 deg.C								
	Internal volume of the store: 3x4x3 M3								
	Required quantity: freezing stores								
	A) Construction :								
	1- Freezers shall be shipped in knock- down sections easy to re-								
	2- Cabinet interior shall be made of heavy corrosion proof aluminum,								
	3- Cabinet exterior shall be made of aluminum, coated with a white								
	4- Insulation shall be sufficient to maintain the specified internal								
	5- Door shall be constructed of aluminum and shall have an external								
	6- Light- weight shade to protect the cabinet from rain and sun to be								
	7- External dial thermometer must be provided								
	8- Audio and visual alarm for high temperature must be fitted								
	9- Sufficient internal lighting automatically switches on when door								
	10- Air curtain by the door operates automatically when door opens								
	11- The stores shall be equipped with hangers that supports six								
	B) REFRIGERATION SYSTEM								
	Two independent refrigeration systems shall be installed, each being								
	An automatic alternator clock timer shall be furnished to								
	The entire system shall utilize heavy-duty refrigeration copper								
	C). ELECTRICAL SYSTEM								
	System shall operate from single - phase, 220V, 50 HZ supply or from								
	D). SPARE PARTS								
	An itemized and priced spare parts list sufficient for five years								
	No. Description								
	1- compressor								

	2- Evaporator motor fan								
	3- Blades for evaporator								
	4- condenser motor fan								
	5- Blades for condenser fan								
	6- Thermometer								
	7- Thermostat & alarm thermostat								
	8- High-low pressure cut out								
	9- Oil pressure cut out								
	10- Door gasket with heater								
	11- Contactor for compressor								
	12- Relays & electrical switches & klaxon								
	13- Defrost heaters								
	14- Automatic electric defrost								
	15- Automatic alternator for reverse sequence								
	16- Internal light bulb								
	17- over load								
	18- Expansion valve								
	19- filter drier								
	20- Fuses of different writings								
	21- solenoid valve								
	22- alarm horn								
	23- micro switch & spare for air curtain								
	24- operating switches								
	E). TESTING AND GUARANTEE								
	Tendered shall guarantee and maintain the freezers for aneroid of two								
	F). TRAINING								
	Tendered shall train two persons on the repair & maintenance of the								
	G). INSTALLATION								
	Tendered shall make complete installation of all freezers except								
	NOTE								
	Load calculations & photos of freezing stores shall be sent with the								
02-06-00031	Equipment : TRANSFORMER						2		
	220 V - 97 V								
02-06-00032	Equipment : Vegetable and fruit cold stor						600		
	Cold store for the purpose								
	Noose walk in cold stores temperature raining from (-5 c) to (+15 c)								
	summer : DBT 50 C								
	WBT 25 C								
	winter : DBT 1C								
	WBT -3 C								
	Internal volume : not less than 50 cubic meters								
	A) construct ion :								
	1- cold stores shall be shipped in knock - down sections to re-erect								
	2- cabinet interior shall be made of heavy corrosion proof aluminum,								
	3- cabinet exterior shall be made of aluminum , coated with a white								
	4-In sultan shall be sufficient to maintain the specified internal								
	5- Door shall be constructed of aluminum & shall have an external								
	6- light- weight shade to protect the cabinet from rain & sun to be								
	7- external dial thermometer must be provided								
	8- Audio & visual alarm for high temperature must be fitted								
	9- Sufficient internal lighting automatically switches on when door								
	10- air curtain by the door operates automatically when door opens								
	11- Shelves shall be made of strong galvanized steel positioned on								
	B) .REFRIGERATION SYSTEM								
	Two independent refrigeration system shall be installed each being								
	C) Electrical system								
	System shall operate from single - phase , 220V, 50 HZ, supply or								
	D) Spar parts								
	An itemized and priced spar parts list sufficient for five years								
	No. Description								
	1- compressor								
	2- Evaporator motor fan								
	3- Blades for evaporator fan								
	4- condenser motor fan								
	5- Blades for condenser fan								
	6- Thermometer								
	7- Thermostat & alarm thermostat								
	8- High-low pressure cut out								
	9- Oil pressure cut out								
	10- Door gasket with heater								
	11- Contactor for compressor								
	12- Relays & electrical switches & klaxon								
	13- Defrost heaters								
	14- Over load								
	15- expansion valve								
	16- filter drier								
	17- fuses								
	18- solenoid valve								

	19- alarm horn								
	20- micro switch & spare for air curtain								
	21- operating switches								
	22- alarm horn								
	23- micro switch & spare for air curtain								
	24- operating switches								
	E) TESTING & GURANTEEE								
	tender shall guarantee the cold stores for a period of tow years								
	F) Training :-								
	Tendered shall train two person on the repair and maintenance of the								
	G) Installation								
	Tendered shall make complete installation of all cold stores except								
	Notes:-								
	3- Medicines shall be brought in stores at around 380C.								
	2-Quantity of store medicines is not less than 1500 Kg.								
	3-Load calculations shall be sent with the offer.								
02-06-00033	Equipment : computer					7000			
	Processor: pentium II 450 MHZ MMX compliant with year 2000 512 Kb								
	Mother board: BX(AGP,PCI,ISA)ATX								
	RAM: 128 MB								
	Hard disk : at least 6.2 Gb								
	CD-ROM :40X EIDE								
	Sound card : PCI 32 BIT (software wave table)AW5-128								
	SPEAKERS:180W								
	Floppy disk : 3.5 " HD 1.44 Mb								
	Display adapter : AGP 8 Mb								
	Monitor : 15" savg 1024 X 768 , 0.28 DPI								
	Net work card : 10/100 Mb /S ethernet								
	Fax modem card : 56 (V. 90) fax /modem								
	Case : mini tower (ATX 250 w)								
	Key board : A/E 104 KEYS (PS/2 CONN)								
	Mouse : 2 buttons (PS/2 CONN.)								
	Zip drive : iomega internal 100Mb with 100 box containing 100 Mb								
	CD-RW: CD- writer 2X2X6X with 100 box containing blank CDs								
	Super disk: internal 120 MB imation atapi IDE inter face								
	UPS :400VA/250W								
	Printers :								
	- DOT matrix : EPSON LQ 2170 arabic								
	- LaserJet : HP- 6L								
	- Inkjet (cooler) : HP-DESKJET 1120C								
02-06-00034	Equipment : Softeners					100			
	Fully automatic softener and meter control								
									3.NORMAL HYDROLIC GEAR
	- Control panel ,Brine tank, with its interconnecting pipe system and								
	- Max floweret :- 10 m3/h								
	- Resin:- strong cationic resin sodium base								
	- Power supply :- 220V or 380V 50 HZ								
	- Hardness treated water 0oFTH								
	- Presume drop :- 8 MWG								
	- Operating pressure :- 2 to 6 bar								
	- Recommended spare part for 5 year with complete quantity of								
	supply complete catalog and drawing electric mechanical spare part								
	- Training for 2 Engineers +2 Technician								
02-06-00035	Equipment : Softeners					100			
	Fully automatic softener and meter control								
	- Control panel ,Brine tank, with its interconnecting pipe system and								
	- Max flow:-5M3/h								
	- Resin:- strong cationic resin sodium base								
	- Power supply :- 220V or 380V 50 HZ								
	- Hardness treated water 0oFTH								
	- Presume drop :- 8 MWG								
	- Operating pressure :- 2 to 6 bar								
	- Recommended spare part for 5 year with complete quantity of								
	supply complete catalog and drawing electric mechanical spare part								
	- Training for 2 Engineers +2 Technician								
02-06-00036	Equipment : hospital lift complete								
	QTY As below								
	Site:-saddam Medical city general hospital								
	1- hospital standard 24- Passengers Plaint bed, side open door 21					2PCS			
									Qty.
	2- As above but bed lift 4-Floor for Saddam General Hospital					2PCS			
	3- As above but 6- Passengers 4- Floor for Saddam General Hospital					4PCS			
	4- As above but 6- Passengers 7- Floor center open for Central Child					6PCS			
	5- As above but bed lift 7- Floor for Central Child Hospital					4PCS			
	6- Cargo lift 2 floors load 4000Kg side opening dons for Basra drug					2PCS			
	7- As above but 1400 Kg 7-Floor for Saddam Teaching Hospital in Basra					4PCS			
	8- As above bedlift but 1800 Kg 2- Floor for Tahreer Hospital and					10PCS			

02-06-00037	Fork Lift (2Ton)				200				
	1.DIESEL ENGIN 4 CYLINDER WATER COOLED								
	2.BATTRY 12V								
	3.NORMAL HYDROLIC GEAR								
	4.MAX HIGHT 3.5M								
02-06-00038	Absorption chiller				60				
	550 TON								
02-06-00039	High tension switch gear								
	1-aircircuit breaker 1600A AH-16B				10				
	2-aircircuit breaker 1600A AH-30C				10				
	3-batery 100V QSC-SOE								
	4-batery 24V AMH--SOE								
	5-printed circuit breaker AED-6A								
	6-printed circuit breaker D2-100								
	7-high VGE oil labricant 11KV				5000LT				
02-06-00040	Paging system				120				
	1-Complot paging system compressing control station and 5 W								
	2-the system should be either independent or interfacing with any								
	3-installation on site for 6-system and training technicians of other								
	4-training on factory for 5 engineers for 2 weeks								
	5-complot sets of manuals installation and manta enamel								
	6-spare parts for 2 years								
	7- greenery for one year and one maintenance								
02-06-00041	Equipment: Freezers				1000				
	Volume : 16 ft3								
	Temperature: from 00C to -300C.								
	220V ,50HZ, 1PH								
	compressor : Tecumseh or Danffos								
	frion use : R12 or R22								
	Dial thermometer outside								
	the door have lock								
	Inside wall for freezer Aluminum plate.								
	Freezer has alarm system when temp. low or high								
02-06-00042	Equipment: Vaccines and medicines refrigerator				3000				
	Volume : 16 ft3								
	Temperature: from 00C to 300C.								
	220V ,50HZ, 1PH								
	compressor : Techumsuh or Danffos								
	frion use : R12 or R22								
	Dial thermometer outside								
	the door have lock								
	Freezer has alarm system when temp. low or high								
	Equipment: kitchen equipment								
	Site:saddam medical city								
02-06-00043	Mobile sink capacity 220 liter dimension 800X600X500mm total high 650				40				
02-06-00044	Mobile sink capacity 220 liter dimension 800X600X500mm total high 650				40				
02-06-00045	Equipment: Steam Boiler for heating (5 ton/hr)				100				
	A) Steam Boilers								
	1. The sub-contractor shall provide install, test, and commission one								
	2. The boiler shall be rated capacity of 5000 kg/h with a working								
	3. The packaged boiler shall be manufactured in accordance with								
	4. The packaged boiler shall be supplied with matched ,forced draught								
	5. The Boiler burner shall be fully automatic in operation complete								
	6. The boiler shall be high efficiency 3-parse Ir. reversed flow type								
	7. Boiler shall be fully pressure tested at the factory and 1 copy of								
	8. Flue connection shall be at the rear of the boiler.								
	9. The packaged boiler shall have duty and stand by feed water pumps								
	10. The packaged boiler shall have the following mounting:								
	1. main steam valve								
	2. 2-high lift state valve, 5000 kg blowing - off pressure 10								
	3. pressure gauge.								
	4. 2-water level gauge.								
	5. feed water pressure gauge.								
	6. Burner control sensors.								
	7. water level /feed pumps controls.								
	8. pressure control								
	9. Blow down valve suitable for timed automatic operation in								
	conduction with timer unit.								
	10. 2-boiler feeding pumps with electric motor designed specified								
	boiler capacity at 10 bar.								
	11. The boiler shall have its own control/indication panel completely								
	B- BOILER FLUE GAS DUCTING								
	1. The sub-Contactor shall supply. install and commission flue gas								
	2. The "nominally" horizontal flue gas ducting shall be infect be in								
	3. cleaning access doors shall be provided at the ends of horizontal								
	4. A condenser drain valve shall be provided from the base of								
	C. BOILER FEED WATER + CONDENSATE TANK INCLUDE. CHEM. DOSING								
	1. The sub-contractor shall supply ,in stall ,test ,and commission a								

	M. Training								
	3 engineer and 3 technician for one month at factory								
02-06-00046	EQUIPMENT : STEAM BOILER FOR WASHING (0.6 TON/Hr)				200				
	Nos. Fully Automatic Multi-Pass Steam boilers with electrical and								
	A. Output capacity 600kg/Hr								
	B. Working pressure (6-8) bar								
	C. Oil burner type 1 3 VZ monarch and gas (butane .propane) and								
	The following item must be included								
	1. Automatic blow down .controlled by timer								
	2. Feed/Condense water tank capacity of one meter cube with mechanical								
	3. Daily oil tank sand plastid with inner and outer anticorrosion								
	4. Oil filter with valve ,strainer, hose of 1/2 outlet diameter and								
	5. Suitable chimney 5 meter vertical height								
	6. Itemized and separately priced spare parts list sufficient for 5								
	7. Suitable automatic water softener plants working on(0.5 bar)								
	8. Test certificate for each boiler submitted by a reputable								
	water supply : 0.5 bar domestic water pressure								
	Analysis:								
	-Total hardness as CAE 0.3	400mg /l							
	-Calcium as ca	120mg/l							
	-Chloride as CL	70MG/L							
	-SULFATE AS SO 4	120MG/L							
	-pH	7.6							
	-Iron as Fe	0.24 mg/l							
	-Total alkalinity as cacao 3	160mg/l							
	9. Rcco mounded spare part list for 5 years with complete set fine								
	10. Supply all electrical and mechanical drawing and maintenance								
	11. Training for 3 engineers and 3 technician								
02-06-00047	EQUIPMENT : HOT WATER BOILER (1 TON/Hr)				300				
	rating : 760 000 kcal/hr (879 kw)								
	working press : 8 bar								
	design : 3 pass wet back fier tube								
	burner : dual fuel , LPG and light gasoil								
	standard : B.S 2790 and equivalent								
	quality : 150 9001								
	full automatic equipped with all necessary controls saftys fittings								
	1) 10000 lt fuel tank								
	2) 5 meters steel chimney								
	3) 5- years recommended spare parts								
	4) 1- year warranty								
	5) supervision on installation								
	6) training of MOH engineers in factory								
	TYRE								
02-06-00048	600X 14				2700				
02-06-00049	700X 15				1600				
02-06-00050	750X 16				5000				
02-06-00051	1200X 20				3800				
02-06-00052	1200X 24				1600				
02-06-00053	3007436/007				126				
02-06-00054	3007436/004				126				
02-06-00055	2003087/001				60				
02-06-00056	2003087/002				60				
	BATTERY								
02-06-00057	60 AMP				6000				
02-06-00058	90 AMP				1000				
02-06-00059	135 AMP				1700				
02-06-00060	540 AMP				400				
02-06-00061	530 AMP				70				
02-06-00062	30				700				
02-06-00063	200				800				
	complete box battery Type:- 24 DRH 7								
	serial no. :- A9050158 F.O								
	capacity:- 511 A/AT 5 hour rate								
	volt:- 48								
	size:- 52x53x80 cm								
	each box have 12 battery								
	each battery size 50x14x11 cm								
	Equipment: kitchen equipment								
	Site: saddam medical city								
02-06-00064	Steam heated boiling pan adjustable boil dimension approx. 1X1x1 m				100				
02-06-00065	Equipment : KIMADIA COMPUTER SYSTEM								
	THIS SYSTEM IS DESIGNED AS THE FIRST STAGE SOLUTION FOR								
	COMPUTERISING THE STOCK MOVEMENTS OF MEDICAL ITEMS IN THE								
	MINISTRY OF HEALTH WAREHOUSES.THIS INCLUDES ALSO ALL THE								
	RELATED ACTIVITIES PRIOR TO IT,SUCH AS TENDERS, CONTRACTS, ETC, AND								
	OTHER ACTIVITIES RESULTING FROM STOCK ,SUCH AS QUOTA								
	SYSTEM, ACCOUNTING, AND FOLLOW UP OF ITS DISTRIBUTION (FROM THE								
	SUPPLIERS DOWN TO ITS DISTRIBUTION TO THE FINAL OUTLET).								

	THE SYSTEM CHOSEN IS NOT BY ALL MEANS THE LATEST STATE OF THE ART 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,DISPACH 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 BACKUPSYSTEM NOT LESS THEN 8 GBNATIVE STORAGE								
	9-EXTERNAL STORGE CABINET WITH 4.3 GB DRIVE								
	10- ORGAE DATA BASE LICEINCE FOR 16 USER ON EACH SERVER								
	11-UNIX OPERATING SYSTEM								
	ANY SYSTEM WITH ABOVE SPECS WILL BE ACCEPTABLE.								
	THE MACHINES MUST BE FROM BRAND SUPPLIERS								
	B-PC QUANTITY 130 UNITS								
	WITH THE FOLLOWING SPECS.								
	200 MHZ PROCESSOR								
	16 MB RAM								
	1.6GB INTERNAL STORAGE								
	C- TERMINALS QUANTITY 130 TERMINALS								
	COMPATIBLE WITH THE MINI SERVER -ARABISED								
	D- PRINTERS QUANTITY 50 UNITS								
	E- LASER JET PRINTERS QUANTITY 50 UNITS								
02-06-00066	Special Equipment for directorate of protection & improvement								
	Equipment:-Note book computer-	10							
	-12.1 Active matrix display								
	- 200 MMX Intel Pentium processor								
	-512 Pipelined burst cache								
	- 32 MB EDO RAM								
	-2GB HDD (8ms)								
	-16X CD-ROM (removable)								
	- 1.44 3.5" Floppy disk drive								
	- 4 MB EDO PCI Graphics								
	- Zoomed video port ,video in jack								
	Infrared interface support								
	Arabic/ English key board								
	- 16 Bit built in sound W/Speakers								
	Integrated personal touched								
	- Two type II/ One type III PCMCIA slot								
	- Rechargeable batteries (+2 Extra batteries)/ AC Adapter (220 V AC								
	Mobile care adapter								
	- Arabic windows 95 + MS plus! + MS office Professional with book								
	Deluxe carrying case								
	- Hp Laser jet 6P printer with 10MB Memory + 10 extra toners	6							
	Multimedia projector with the following minimum specifications	6							
	- 800 x600 SVGA								
	Power zoom focus								
	- 500 ANSI Lumens								
	video capable								
	Wireless PC mouse								
	recommended spare parts including Extra bulb								
	PUS, APC back -UPS pro 1250	6							
	Video camera with all accessories (VHS)	50							
	Television	50							
	Video with all accessories	50							
	Trans code	50							
	Recorder with all accessories	50							
	Photo camera	50							
	Over head projector	50							
	Slide projector with accessories	50							
02-06-00067	MANUAL HYDROLIC JACK	200							
	TYPE TROLLY JACK								
	CAPACITY : 1TON 0.250TON								
02-06-00068	MANUAL MECHANICAL JACK (0.250TON)WITH SPARE PARTS FOR TWO	200							

	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									
02-06-00084	Equipment : air compressor with motor						50			
	Site/saddam Medical city									
	pneumatic control									
	motor : 30 HP . 380 V , 3 pH , 50 HZ, 2300 L/min									
	max. discharge pressure : 20 bar									
	operating pressure : 12 bar									
02-06-00085	Equipment : air compressor with motor						40			
	Site/saddam Medical city									
	diesel starting									
	motor : 2.6 KW , 3PH, 380V, 50HZ, 1500 rpm 0.065 m3/min 2.3 CFM									
	max working pressure: 3200 PSI,									
02-06-00086	Equipment : Incinerator						700			
	pyloric incinerators without grate to ensure complete combustion to 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									
	volume of ash : max. 3% of initial									
	volume									
	weight of ash: max. 12% of initial									
	weight									
	the waste must be completely burnt & the contact of unbent organic									
	capacity :100K/hr									
	Design : incinerator of the pyrolytic type are preferred . it should									
	manual feeding through special feeding door with temp. lock in order									
	incinerator must be equipped with primary and one secondary (pilot)									
	control : automatic control with all necessary swishes , lamps ,									
	electrical supply : 220 - 380 V , 50 cycle									
	chimney : stainless steel chimney of sufficient length and diameter									
	fuel oil tank :main storage fuel oil tank made from steel plate ,									
	capacity : 10000lt and daily fuel tank 1000lt									
	spare part : itemized and priced spare parts list sufficient for five									
	training: for tow engineer and tow technetium in your factory for									
02-06-00087	Equipment : kerosene refrigerator						700			
	refrigerator work with electric heater & kerosene									
	- size 12 ft3									
	dial thermometer on the door									
	- refrigerator have tow door first for freezer & the second for									
02-06-00088	Equipment : meat cold store						1000			
	walk in freezers to preserve fresh meat at internal temp. ranging									
	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-									
	2- cabinet interior shall be made of heavy corrosion - proof aluminum									
	3- cabinet exterior shall be made of aluminum coated with a white									
	4- insulation shall be sufficient to maintain the specified internal									
	5- door shall be constructed of aluminium andshall have an external									
	6- shelves and hangers shall be made of strong rust - proof materials									
	7- Light weigh shade to protect the cabinet from rain and sun to be									
	8- dial thermometer									
	9- audio and visual alarm for high temp .									
	10- sufficient interaal lighting automatically switdes on when door									
	11- air cur ain the door operates automatically when door opens									
	B- REFRIGERATION SYSTEM									
	two inde pendent refrigeration systems (each system having acompressor									
	C: ELECTRICAL SYSSTEM									
	sysstem shall operate from single - phase , 220V . 50HZ supply - or									
	D-SPARE PARTS:									

	an itemized and priced spare - parts list sufficient for five years								
	1-compressors								
	2-evaporator motor fan								
	3-blades for evaporator fan								
	4-condenser motor fan								
	5-blades for condenser fan								
	6-thermometer								
	7-thermostat & alarm thermostat								
	8-high/low pressure - cut out								
	9-oil pressure - cut out								
	10-door gasket with heater								
	11-contactor for compressors								
	12-relays & electrical switches & klix on								
	13-defrost heaters								
	14-automatic electric defrost								
	15-automatic alternator for reverse sequence								
	16-internal light bulb								
	17-over load								
	18-expansion valve								
	19-filter dir/ers								
	20-fuses of different ratings								
	21-solenoid valve								
	22-micro switch & spare for air curtain								
	23-alarm horn								
	TESTING , INSTALLATION AND GUARANTEE								
	A : TESTING AND GUARANTEE								
	tenderer shall guarantee and maintain the freezers for a period of								
	B: TRAINING :								
	tenderer shall train two persons on the repair and maintenance of the								
	C : INSTALLATION :								
	tenderer shall make complete installation of all cold stores and								
	NOTES								
	1-fresh meats shall be brought in stores at around 35 OC .								
	2-quantity of stored meats in each store is about 1500 KG .								
	3-load calculations shall be sent with the offer								
02-06-00089	EQUIPMENT: SUB - STATION						2500 METERS		
	SITE: SADDAM MEDICAL CITY								
	BUSWAYS, 1600 AMP. RATING .								
	AS ABOVE BUT BETWEEN MV MAIN SWITCH BORD NAD TO 9-CHILLERS EACH 1500								
02-06-00090	submersible pump for spring well						20		
02-06-00091	Computer & Communication system to cover KIMADIA central, Doha, and						15		
02-06-00092	Mechanical Governor control						20		
02-06-00093	Water pump						25		
02-06-00094	cooling tower						75		
	company: CLIME CHAPPEE								
	Type :- (old) D31 E								
	Capacity :- 1.017 KW wet bulb :26 c								
	1-180.00 Kcal/hr water temp:- 38/30.8 c								
	Flow rate :-165 m3 /hr pressure drop :-2.5 m WG								
	Complete cooling tower :-								
	Which is same capacity at above and must be with separate motor for								
	Fins								
	Belt								
	Shaft								
	Spray nozzle								
	Bearing								
	Blower								
	Nozzle								
	Motor complete								
	Ball float valve								
02-06-00095	H.T. System						100		
	We need to supply of eight H.T breaker with the specification below								
	Connections								
	It received power from (SOE) through two feeders one is operating								
	All the H.T. breaker connected to earth switch individually in case								
	We need								
	Recommended spare part including 2H.T breaker complete and tools for								
	Notes:-								
	The system must be operated with vacuum method								
	Quantity :-								
	6 system for 6 site + Recommended spare								
	Old system								
	Original system with the specification below :-								
	CEM company (France)								
	Type MF- 120620								
	3ph 12kv 630A 50HZ								
	350 MVA								

	Motorized 110VD.C	controlled voltage 110VD.C							
	Gas SF6 pressure 5bar								
02-06-00096	SHORT LIST FOR MATERIALS FOR CENTER OF NEUROLOGY (EQUIPMENTS AND			50					
	Materials for mechanical works			Including refrigerant gas					
	Centrifugal or reciprocating water chiller 230 ton								
02-06-00097	A.H.U W/accessories			70					
02-06-00098	Condenser Evaporate and Boiler pumps			70					
02-06-00099	Heap filter(60 x60cm)for O.R			1000					
02-06-00100	Perforated diffusers for O.R			50 4-3x3m & 5 3.2x3.2m					
02-06-00101	El.Bd. W/temp and humidity sensors for O.R			50					
02-06-00102	MATERIALS FOR SANITARY WORKS			20Lot					
	Central medical gases system								
02-06-00103	Stainless steel scrub-up basins			40 W/accessories					
02-06-00104	Oxygen plant			20ot					
02-06-00105	MATERIALS FOR ELECTRICAL WORKS			Nurse call system	20 lot 13n.st W/accessories				
02-06-00106	Bed head unit			700Different types					
02-06-00107	Fire alarm system			50ot Sys. W/accessories for 12 zones					
02-06-00108	Central clock system for O.R			lot 5 - master plus 10 - slave					
02-06-00109	Generator set (800 KVA)			20					
02-06-00110	Bed passenger lift			20					
02-06-00111	Sound reinforcement system			20 Lot					
02-06-00112	Emergency exit light			100					
02-06-00113	UPS system			40 3-5kw plus 3-7kw					
02-06-00114	Sparkles switch socket			300 Different capacities					
02-06-00115	Materials for civil works	Conductive PVC tiles for O.R dept		540m^2W/accessories and adhesives					
02-06-00116	Ceiling panels for O.R			210M^2 W/accessories and hangers					
02-06-00117	Wall panels for O.R			560M^2 W/accessories and built in items					
02-06-00118	PVC skirting for O.R dept			5002M W/accessories and adhesives					
02-06-00119	Equipment : pumps			100					
	Company name : Guinard France								
	Description								

	-Complete pump+motor (NE 6x16)								
	Q=100 m3/hr H=30-23								
	Kw 15 3ph , 400V								
	COs Q 0.89 r.i.p. = 2995								
02-06-00120	-set of repining kit for the pump (NE 6 x16)							100	
02-06-00121	Complete pump + motor (NE3 x16)							100	
	Q= 15 m3/hr H=30m								
	3ph COs Q 0.9, r.p.m=2850 400V								
02-06-00122	-Set of repining kit for the pump (NE 3x16)							100	
02-06-00123	Accessories							100	
	Microtck scanner A3 size (color)								
02-06-00124	Printer HP Desk jet 890C							100	
02-06-00125	Digital Camera (Sony)							100	
02-06-00126	Video in card (MPWGENCODER)							100	
02-06-00127	Plotter A0 size (Disk jet color)							100	
02-06-00128	Multi Media Projector							100	
02-06-00129	Jackboot (20 CD changer) for Libra							100	
02-06-00130	Copy Machines							100	
	Minolta photocopy machine 2080								
02-06-00131	Kiss graph machine copy speed (60-130 copy per minute) GR-1750 or GR-							100	
02-06-00132	Video and calling system requirement							200	
	Video camera digital with motorized connected to the current system								
02-06-00133	27" Monitor video in -video out connected to the current video system							200	
02-06-00134	Amplifier for current audio calling system							100	
02-06-00135	Video recorder U-Match							100	
02-06-00136	Video Recorder VHS							100	
02-06-00137	Video Caddie U-Match							2000	
02-06-00138	Video Caste VHS							500	
02-06-00139	Equipment:-Pegging system							100	
	-Complete Paging system with its control station and 5 watt								
	the system either independent or interfacing with telephone								
	Model:- cite allocate v-2505 medium capacity epabx (64x320)								
	Program reference FAH 04H 10H 03H								
	supply Complete maintenance and operating installation catalog								
	training of our staff in maintenance factory								
	-spare part for 5 year								
02-06-00140	Equipment:- water softener							75	
	Description								
	-supply complete water softener with the values and all								
	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 l2 set								
	supply Complete maintenance and operating and installation catalog								
	give list of Spare part for 5 years								
	training of our staff in manufacture factory								
02-06-00141	Equipment:- Package unit package complete which supply cool air							2000	
	Capacity:- 10TON								
	380 V 50HZ ,3PH,R22								
	Ambient temp. :- 60 C								
	Linseed temp. :- 12 C								
	Training 3 engineer for 2 weak spare part for 5 years								
02-06-00142	petium 333MHZ MMX (INTEL) COMPLIANT WITH YEAR 2000 (XION)							100	
	MINITOWER CASE								
	64MB RAM (512CACHE)								
	UP TO 5GB HDD								
	15" SVGA MONITOR WITH 8MBAGP CARD (SVGA)								
	144 FDD (3.5)"								
	104 AIL KEYBOARD +(MOUSE &PAD)								
	MULTI MEDIA KIT (32X CD-ROM+ 16-SOUND BLASTER+SPEACERS+microphone)								
	CD-WRITER 2X2X6								
	FAX -MODEM CARD								
	LAN CARD 32 BIT (PCI)								
	WITH 1.4 APC UPS								
	TYPE 2								
	PETIUM 333MHZ MMX (INTEL) COMPLIANT WITH YEAR 2000 (XION)								
	MINITOWER CASE								
	32 MB RAM								
	3 GB HDD								
	14"SVGA MONITOR WITH 4MB AGP SVGA CARD								
	1.44 FDD (3.5)"								

	104 AIL KEYBOARD + (MOUSE&PAD)				
	CD-ROM 32X SPEED				
	LAN CARD 32BIT (PCI)				
	WITH 1.4 APC UPS				
	TYPE 3				
	PETIUM 300MHZ MMX (INTEL) COMPLIANT WITH YEAR 2000 (CELERON)				
	MINITOWER CASE				
	16MB RAM				
	UP TO 2GBMDD				
	14" SVGA MONITOR WITH 2MB SVGA CARD				
	1.44 FDD 3.5"				
	104AIL KEYBOARD + (MOUSE & PAD)				
	LAN CARD 32 BIT (PCI)				
	CD- ROM 24X SPEED				
	WITH 1.4 APC UPS				
	PRINTERS				
	EPSON LQ 2170 DOTMATRIX WITH ARABIC				
	HP LASER GET 6P				
	SCANNER				
	AT LEAST 4800 DPI FLAT BED PAGE SCANNER				
	mother board intel corporation with cpu				
	bios american megatrend inc (AMI)				
	ram memory micronics . Or kingston technolgy corp				
	hard disk seagate technology inc . Or western digital corb				
	monitor sony electronics inc.or samsong electronics america				
	floppy disk drive teak america inc.or mewlett packard				
	keyboard & mouse microsoft corp				
	multimedia kit creative labs				
	CD-rim panasonic communications& system co				
	fax-modem card hayes micro computer products inc				
	Equipment:fan coil unit				
	COMPANY NAME: wesper				
02-06-00143	COMPLETE FAN COIL TYPE V.P.N 61 SINGLE SHAFT			1200	
02-06-00144	COMPLETE FAN COIL TYPE V.P.N 81 DOBLE SHAFT			660	
02-06-00145	COMPLETE FAN COIL TYPE V.A.C 41 SINGLE SHAFT			75	
02-06-00146	COMPLETE FAN COIL TYPE V.A.C 81 DOBLE SHAFT			55	
02-06-00147	COMPLETE FAN COIL TYPE V.A.C 111 DOBLE SHAFT			55	
	SPARE PART FOR 5 YEARS INCLUDING THER MOSTAT MOTOR SELECTOR SWITCH				
	catalog for the spare parts, models ,maintenance and operation				
	TRAINING for our STAFF engineers				
02-06-00148	EQUIPMENT CHILLER			250	
	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 MAINTANCE FOR ONE YEAR..				
02-06-00149	WATER COOLER COMPLATE WITH			10000	
	¼ OR 1/3 HP COMPRESSION 50HZ SINGLE PHASE 220V				
	SYEARS SPARE PART				
	TRAINING FOR ENGINEER AND TECH				
02-06-00150	Equipment :- Window unit			25000	
	Air condition with heater				
	Capacity :- 1.5 ton				
	220 v , 50 Hz , 1 pH				
	hotel cooled , R22				
	spare part for 5 years				
	Training for our tech.				
02-06-00151	Equipment :- split unit			10000	
	Split unit with heater				
	Capacity :- 3 ton				
	220 V , 50 Hz , 1 pH				
	hot and cooled R22				
	spare part for 5 years				
	training for our tech				
02-06-00152	Equipment :- deep freeze			1000	
	Deep freeze complete unit flat type inside temp. required :- 40 Co ,				
	220V , single, phase 1 , 50 HZ				
	spare part for 5 years				
	training for engineer and tech				
	Supply catalog spare part and operation and maintenance				
02-06-00153	Equipment :- chiller Air cooled			700	
	Capacity :- 80 ton				
	Ambient temp :55Cú				
	Water inlet : 6 Cú				
	Water outlet : 12 Cú				
	Compressor type : Semi hermetic				

	coil material copper tube with aleminuim fins				
	fan type propeller				
	evaporator sheel and tubs				
	(cooler type) pumps flow rate suitable for the chiller				
	air handling units with suitable capacity				
	electrical board for operation (pumps ,chiller , air handling units)				
02-06-00154	Equipment:- cooling tower			80	
	Complete cooling tower				
	Capacity : 4 .201.200 Kcal/h				
	Working weather 60% humidity and 500 PPM total hardness for water				
	Water flow : 7800 L/min				
	Water in :- 41Cú				
	Water out :- 32 C ú				
	Spare part for 5 years				
	Training for engineer and tech				
	Supply catalog for operation and maintenance and spare part list.				
02-06-00155	Equipment:- cooling tower			60	
	Capacity :80 ton				
	Water temp. 38/ 30 Cú				
	Complete cooling tower must be separate motor for each blower and				
	Humidity weather 60 % Humidity and total hardness is for water 500ppm				
	Recommended spare for 5 years.				
	Include complete motor				
	Fin , belt,shaft, spray nozzle , bearing , blower ,				
	Nozzle , motor complete, ball float valve				
	Training for engineer and tech.				
	Complete catalog for spare part and operation maintenance catalog				
02-06-00156	Minibus 21 Setae, Two Wheel Drive with four doors with Air			1for the	
	Conditioner, Petrol engine with service, operation, spare parts			North	
02-06-00157	Fuel Tanker Scan, Complete Set, 9 cube metros (m3) spare part with			3 for the	
	service, operation, spare parts manuals in English and service and			North	
	fast moving spare parts for 2 years operation (other alternative				
02-06-00158	SPECIFICATIONS FOR BLOOD REFRIGERATOR CARS			300	
	BIAS VEHICLE				
	_ ENGINE:(4-6) CYLINDER				
	PETROL ENGINE				
	WATER COOLED				
	CAPACITY 2600CC AND MORE				
	TRANSMISSION: MANUAL GEAR BOX 4- SPEED WITH ONE REVERSE FLOOR SHIFT				
	DRIVE : FOUR WHEEL DRIVE THE REAI AXLE EGUPED IN EACH SIDE DOUBLE				
	BRAKE: DRUM BRAKE IN EACH WHEEL WITH BOOSTER ASSIST BARKING BRAKE TO				
	- STEERING: POWER STEERING LEFT HAND DRIVE				
	- SUSPENSION: HEAVY DUTY LEAF SPRING IN EACH REAR AND FRONT WHEELS				
	- GAUGES: ALL IN METEORIC SYSTEM .				
	- AIR CONDITION AND HEATING: TO BE SUPPLIED FOR DRIVER CAB				
	- CAB: DOUBLE CABIN				
	FRAME AND CLASSIS :- TWO PARRELL CHANEL CLASSIS				
	- 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				
	- LOAD CAPACITY: THE VEHICLE CAN CARRY NET WEIGHT NOT LESS THAN 1000				
	- SIREN AND BEACON: THE CAR EQUIPPED BY BEACON LONGITUDINAL IN UPPER				
	- ASSESSORS: JACK AND HANDLE , WHEEL RING, HAZARD TRIANGLE				
	- SPARE TYER (DOUBLE TYER)				
	TWO GENERATORS SET TO BE AVAILABLE EACH ON CAPABLE TO OBERATE				
	CAPABILITY OF CONNECTING REFRIGERATOR AND FREEZER WITH EXTERNAL				
	BLOOD BOX COMPARTMENT				
	THE BOX WILL BE ENOUGH TO CARRY THE FOLLOWING:				
	- TWO BLOOD REFRIGERATOR (VERTICAL TYPE) EACH CAN CARRY 100 UNIT OF				
	- TWO DEEP FREEZER (VERTICAL TYPE) EACH CAN CARRY 150 UNIT OF BLOOD				
	INSIDE TEMP FOR REFRIGERATOR + 2C TO +6C				
	INSIDE TEMP FOR DEEP FREEZE -30 TO -60C				
	- AMBIENT TEMP:60C				
	AUDIO and VISUAL for LIGHT TEMP and LOW TEMP MUST BE FITTED IN EACH				
	DALE THERMOMETER MUST BE PROVIDED ON THE REFRIGATOR AND FREEZ AND				
	DAY RECORDER ON EACH REFRIGATOR AND FREEZ				
	EACH refrigerator and FREEZE have TWO SEPARATING COMPRESSOR (ONE				
	- EACH REFRIGERATOR AND FREEZE HAVE STAINLESS STEEL STEAD DOOR				
	- AUTOMATIC DEFORESTING FOR EACH REFRIGERATOR AND FREEZE AND THE				
	- 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				
	RECOMMENDED SPARE PARTS FOR 5 YEARS				
	TRINING FOR TOW ENG. TOW WEEKS AND ONE DOCTOR(physican) FROM BLOOD				
02-06-00159	Equipment Gas Boiler			200	
	Supply complete unit with its all accessories instead of old model				

	Company name :- CHAFFOTANUX ETMAURY										
	- give list of spare part for serer										
	- supply complete maintenance and operating and installation and										
	- Training of our staff in manufacture factory										
02-06-00160	Centralized cooker s								100		
02-06-00161	Bata peeling machine								100		
02-06-00162	Tomato press								100		
02-06-00163	Horizontal Deep freeze 16" foot								100		
02-06-00164	Washing machine laundry								100		
02-06-00165	Press								100		
02-06-00166	Betts for Iron roller								500		
02-06-00167	Pentium 2 Intel								800		
02-06-00168	CPU 333 MHz with cache RAM 128 MB								800		
02-06-00169	Hard disk 9 GB								800		
02-06-00170	SVGA card 4 MBV RAM								800		
02-06-00171	17" color SVGA monitor								800		
02-06-00172	Screen filter								800		
02-06-00173	LAN card 32 Bits								800		
02-06-00174	CD -Drive 34 X								800		
02-06-00175	Sound D32 Bit 3 D								800		
02-06-00176	HP laser jet printer 6p++10 extra toner								800		
02-06-00177	Modem Fax card (56.6) KBPS								800		
02-06-00178	English/Arabic KB (104 Keys)								800		
02-06-00179	MS mouse								800		
02-06-00180	Mouse -Peed								800		
02-06-00181	3.5 FDD HD								800		
02-06-00182	HP Laser jet printer								800		
02-06-00183	Extra Black Toner								1000		
02-06-00184	FORK LIFT (5 TON)								200		
	1. DIESEL ENGINE 4 CYLINDER WATER COOLED										
	2. BATTERY 12V										
	3. NORMAL HYDRAULIC GEAR										
	4. MAX HEIGHT 3.5M										
	PACKAGE UNIT (AIR COOLED) SCHEDULE										
Cod	No. Req	Summer					Winter			blower	
		Cooling load kcal/H		Evaporate temp C				Electrical heater		Fresh air (m/h)	Kw
	Qty	Effective sensible load	Total load	Entering		Leaving		Kw	No.of stage		
				D.B	W.B	D.B	W.B				
02-06-00185	50	65700	98400	28	17.5	14	9.5	70	2	4980	46
02-06-00186	50	55200	81900	33	19.8	143	9.5	58	2	4400	37
02-06-00187	50	19400	28200	28.4	17.5	14	9.5	20	2	1630	13.6
02-06-00188	50	29670	44100	28.4	17.5	14	9.5	31	2	2550	22.8
02-06-00189	50	12510	18150	28.4	17.5	14	9.5	12.8	2	1020	8.9
02-06-00190	50	41000	50500	28.4	17.5	14	9.5	36	2	2720	22.6
02-06-00191	50	12510	18000	28.4	17.5	14	9.5	12.7	2	1020	8.9

02-06-00192	Size of clinker /1st stage 406. 4mm (16") tow		50set				
02-06-00193	Z ND stage :288 .6mm (9)" tow		50set				
	- Power transmission / direct coupling						
	- The compressor used to produce medical oxygen Gas under normal						
	- Compressor manufacturer / IHI ishiwakajima - industries Co. It'd						
	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 , JJ2439Cabela address : Iho Toko						
	- Installed & Commissioning by:						
	Toko Bussan Co. Lt.						
	Twix 242- 2914						
	Fax 03-423 - 4821						
02-06-00194	Teflon Pistonring 2nd Stacie cood No. E238201		100				
02-06-00195	Teflon Piston ring ist stage cood No. E148201		150				
02-06-00196	Bull Ring 2nd Stage cood No. E238202		100				
02-06-00197	Piston Assy Ist stage cood No. E141600		60				
02-06-00198	Discharge valve seat		900pcs				
02-06-00199	inlet valve seat		900				
02-06-00200	I- Typethermometer (0-100C)		50				
02-06-00201	L- Type Thermometer (0-200C)		300				
02-06-00202	THRENAY SOLENOIO VALVE		300				
02-06-00203	Oil preserve		300				
02-06-00204	Chain over suttee		300				
02-06-00205	AIR Pressure switch cood No. G319968		300				
02-06-00206	Temperature switches (120-215C) cood no. G631301		300				
02-06-00207	Crank shat Assy cood No. D266700		300				
02-06-00208	Oilier PIN cood No.		300				
02-06-00209	Retaining Ring cood No. D26706		300				
02-06-00210	Bearin6 collar cood No. D26707		300				
02-06-00211	Bearing Coeur cood No. D26708		300				
02-06-00212	Collar cood No. D26709 Flintier		300				
02-06-00213	Filigree cood no. D260710		300				
02-06-00214	Bolt cood no. D110711		300				
02-06-00215	Key cood No. D260712		300				
02-06-00216	Oilier sleeve cood no. D260713		300				
02-06-00217	Bearing cood No. 0.0260714		300				
02-06-00218	Bearing cood No. D260715		300				
02-06-00219	Connecting Rods cood No. D111400		300				
02-06-00220	Ding end Bolt cood No. D111403		300				
02-06-00221	Caste Nut Cood No. D111404		300				
02-06-00222	Crank pin Bearing Cood. No. D111406		300				
02-06-00223	Wrist P/N Metal cood No. D111407		300				
02-06-00224	Cloture P/N cood No. D961814		300				
02-06-00225	Cross Head Assy Cood No. D111300		300				
02-06-00226	Wrist P/N covers cood No. D111 303		300				
02-06-00227	Wrist P/N D111304		300				
02-06-00228	Lockwasher Cood no. D111305		300				
02-06-00229	Bolt Cood No. 0430765		300				
02-06-00230	Destine Rod cood No. E121606		300				
02-06-00231	Precision control thick meter		300				
	0-3005 Freq. 0-4000		300				
02-06-00232	Thermos couple for outlet and inlet Tem.		300				
02-06-00233	Tem. Controller T 675A		300				
02-06-00234	Ceramic filter		300				
02-06-00235	Flexible hose for tank lorry		300				
02-06-00236	Ball valve for pump (tank lorry)		300				
02-06-00237	Pump Assy for tank lorry		300				
02-06-00238	Flexible hose for filling station		300				
02-06-00239	Complot O2 valve for oxygen cylinder type G11		300				
	Water pump						
	Manufacture: old type LEFl: any anther new model						
	Equipment to the following old pump good quietly						
	Article		Qty of repair kit		Qty of complete pump		
02-06-00240	Contifagal pump with motor complete old model :		200		100		
02-06-00241	Centrifugal pump with motor complete old model :-		200		100		
	Head:- 26m						
	volt 380 50hz 3ph						
02-06-00242	Centrifugal pump with motor complete old model :-		200		100		
	Volt:- 380 , 50Hz 3ph inletpipe inch :- 5 outlet						
02-06-00243	Centrifugal pump with motor complete old model :-		200		100		10
	Head :- 17m						
	Volt 380, 50Hz,3Ph						
02-06-00244	Centrifugal pump with motor		200		100		

	Old model :- B125/30(Hot water)				
	Q floweret (m3/h):- 99				
	Volt:- 380,50 Hz, 3ph				
02-06-00245	Centrifugal pump with motor old model :- B40132	200	100		
	R.P.M= 1450				
	Q floweret m3/h =14				
	Head :- 25 volt;- 380 Hz = 50 pH: 3				
02-06-00246	Centrifugal pump with motor	100	100		
	Old model :- B80 /35 Qflowrate :- m3/h 50 volt:-				
02-06-00247	Centrifugal pump with motor old model :- B125/35	100	100		
02-06-00248	Centrifugal pump	100	100		
	With motor old model :- bob 80/25 Q floweret				
02-06-00249	Electric sewage pump head :- 15-20				
	380volt: 50Hz,3ph supply complete maintceance and	150	100		
02-06-00250	Drying tumbler		500		
	Capacity 15 Kg/load (dry weight) 3 load /hour				
	Heating by electrical element				
	drum stainless steel 18/8 timer and thermo stat controlled inter lock				
	connection to 380v 50hz 3ph				
	spare part list for 3 years				
	operation in stallation repair and spare parts manual with each				
	Training tow engineers for 3 weeks in the factory				
02-06-00251	Press		400		
	Capacity 20 kg				
	Stainless steel inner for drum				
	Automatic operation pnoanamebel				
	All accessories needed supply for prepare operation				
	Connection 380 V 50 HZ 3PH				
	List for spear part recommended 5 years				
	All document , menteenens , operation repair				
	Training tow engineers for 3 weeks in the factory				
02-06-00252	Steam dryer		500		
	capcity 50kg dry /load with 3 load /hr				
	heating : steam (6-8) bar reverse rotation cylinder inter lock door				
	timer control indication lamps and any other necessary components				
	inlet and out let flexible steam pipes exheust flexible pipe 6m for				
	operation installation repaier and spare parts manual with each				
	connection to 380 V 50 HZ 3PH				
02-06-00253	iron steam		400		
	steam heated press roller two meters long				
	variable speed lowering raising switch for reverse rotation				
	finger protection provided rotation left and right				
	steam heated at a pressure of (8-10)bar				
	complete with exhaust fan and all internal electric wiring steam trap				
	spare part list for 3 years				
	operation in stallation repair and spare parts manual with each				
	Training tow engineers for 3 weeks in the factory				
02-06-00254	Flat work ironed machine		500		
	electrically heated press roller to 1.5 m length automatic lifting				
	connection to 380v 50hz 3ph				
	spare part list for 3 years				
	operation in stallation repair and spare parts manual with each				
	Training tow engineers for 3 weeks in the factory				
02-06-00255	Washing machine		500		
	Capacity up to 50 kg/load (dry weight)				
	heating :steam (6-8 bar)				
	drumins stainless steel 18/8				
	operated by programme card and push botton for manual reverse drum				
	safty look on door unbalance switch				
	G- factory :500 g				
	fitting and flexiable pipes 1.5 m in cluded				
	connection to 380 v 50 hz 3 ph				
	demostic water pressure supplied 0.5 bar				
	spare parts list for 3 years operation installation repair and spare				
	Training tow engineers for 3 weeks in the factory				
02-06-00256	Washing machine		600		
	Capacity 20 kg/load (dry weight)				
	heating :electric element				
	drum stainless steel 18/8				
	operation by push botton for manual control reverse drum action				
	safty look on door				
	fitting and flexiable pipes 1.5 m in cluded				
	connection to 380 v 50 hz 3 ph				
	demostic water pressure supplied 0.5 bar				
	itemized and speratly priced spare parts list for 3 years operation				
	Training tow engineers for 3 weeks in the factory				
02-06-00257	Washing machine		600		
	Capacity 30 kg/load (dry weight)				

	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								
02-06-00265	Telephone exchange system								
	4X64					250			
	8 X 120					200			
	20 X 320					300			
	30X500					250			
	50 X 1000					100			
	10x250					100			
	10 x 75					100			
	150X2000					100			
	10x1000					100			
	each above internal extensions should be 80% analogue, and 20%								
	Auto communication switch system can use both type of telephone								
	Facilities : consultation call with split call transfer three way								
	Tones : the system should be working on different tones such as								
	Operator console : electronic push - bottom operator console can be								
	Power supply : smooth and stabilized 48 V DC at 60 A max provided by								
	In case of 48 VPC failure to the system suitable battery back up								
	Others :								
	1- Installation the system on sites and tow year maintenance								
	2- Spare parts for 5 years								
	3- Comet set of manuals installation maintenance programming and read								
	4- Training on factory 5 engineers and 6 weeks								
	Equipment :pumps								
	model : as below								
	company / manufacturer : worthington								
	or equavalnt worthington								
	simpsonltd								
	low field works								
	p.o.box 17 newark , nottingh - amshire								
	NG243EN								
	ENGLAND								
	tel = newark 705151								
	tlx = 37451								
	quantity : 80								
	site : saddam medical city								
	MODEL	KW	HEAD (M)	FLOW (L/S)	RPM				
02-06-00266	12LN21	340	36	650	1440	50			
02-06-00267	12LN17	265	52.5	335	1440	50			
02-06-00268	12LN17	224	36	372	1440	50			
02-06-00269	ERP80-400	150	140	30	2880	50			
02-06-00270	12LA2	150	25.5	415	1440	50			
02-06-00271	12LA2	90	30	300	1440	50			
02-06-00272	10LA3	90	30	170	1440	50			
02-06-00273	10LA3	90	43.3	142.3	1440	50			
02-06-00274	65WP 315	75	132.5	22.5	2880	50			
02-06-00275	6L3	55	32	101.29	1440	50			
02-06-00276	6L3	55	52.5	52.24	1440	50			
02-06-00277	65WP 315	55	103	22.5	2880	50			
02-06-00278	ERP60-200	45	190	7.57	2880	50			
02-06-00279	50wp315	37	103	10	2880	50			
02-06-00280	65WP 250	37	68.6	22.5	2880	50			
02-06-00281	6L3	37	34	55.5	1440	50			
02-06-00282	6L3	30	27	98.5	1440	50			
02-06-00283	100WP200	30	37	43.1	2880	50			
02-06-00284	80WP 160	15	24	30	2880	50			
02-06-00285	1 ¼ TM2	15	132.5	2.5	2880	50			
02-06-00286	40WP 200	11	45	7.57	2880	50			
02-06-00287	40WP 200	11	55	4.36	2880	50			
02-06-00288	1 ¼ TM43	7.5	68.6	2.25	2880	50			
02-06-00289	4L1	5.5	9	30.61	1440	50			
02-06-00290	100WP200	4	11	17.42	1440	50			

	FIRST OPTION LOADING CAPACITY (2-4) TON QTY (25)								
	SECOND OPTION LOADING CAPACITY (5-7) TON QTY (250)								
	THIRD OPTION LOADING CAPACITY (8-10) TON QTY (25)								
	C-ACCESSORIES: EACH VEHICLE (TRUCK) SUPPLY WITH THE FOLLOWING:								
	FAST SPARE PART: AUTO JACK WITH HANDLE AND WHEEL WRENCH : HAZARD								
	1. COOLING SYSTEM WORK BY ENGINE OR ELECTRIC POWER 380 VOLT 50 HZ 3								
	2. DIAL THERMOMETER MUST BE PROVIDED								
	3. AUDIOVISUAL FOR HIGH TEMP. MUST BE FITTED								
	4. REFRIGERATION MUST SUITABLE TO MAINTAIN THE COOLING SPECIFICATION								
	5. INTERNAL TEMP FROM + 10C TO-20C								
	6. AMBIENT TEMP.								
	SUMMER BDT 60C								
	WBT 25C								
	WINTER DBT 1C								
	WBT 3C								
02-06-00300	TRUCKS:					700			
	C- BASIC VEHICLE:								
	1- ENGINE: DIESEL ENGINE WATER COOLED								
	2. TRANSMISSION: MANUAL FLOOR SHIFT								
	3. CLUTCH: HYDRAULIC CONTROL SINGLE DRY PLATE WITH AIR PRESSURE								
	4. SUSPENSIONS: FRONT: LAMINATED LEAF SPRINGS WITH SHOCK ABSORBERS:								
	5. SUFFICIENT TO CONTROL THE VEHICLES IN THE PARKING SUPPLIED WITH								
	C- ELECTRICAL SYSTEM: 24V 120AMP								
	7. INSTRUMENT PANEL: ALL MEASUREMENTS AND GAUGES IN METRIC SYSTEM								
	8. FRAME: PARALLEL, TAPERED CHANNEL SECTION TYPE WITH CROSS MEMBERS								
	9. STEERING: LEFT HAND DRIVE, (BALL NUT TUBE, INTEGRAL TYPE) WITH								
	10.TIRES:HIGH QUALITY FRONT WHEELS: SINGLE IN EACH SIDE REAR WHEELS:								
	11.DRIVERS CABIN: ONE AND HALF CABIN SUPPLIED WITH AIR-CONDITIONING								
	12.EQUIPMENT'S: THE VEHICLES (TRUCKS) IT PROVIDES WITH ALL								
	B- LOADING CAPACITY:								
	FIRST OPTION LOADING CAPACITY (3-4) TON QTY (50)								
	SECOND OPTION LOADING CAPACITY (5-6) TON QTY (100)								
	THIRD OPTION LOADING CAPACITY (8-12) TON QTY (100)								
	C-ACCESSORIES: EACH VEHICLE (TRUCK) SUPPLY WITH THE FOLLOWING:								
	FAST SPARE PART: AUTO JACK WITH HANDLE AND WHEEL WRENCH HAZARD								
02-06-00301	AMBULANCE					400			
	PARTITION								
	BETWEEN DRIVER'S COMPARTMENT AND PATIENT'S COMPARTMENT FULL								
	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								
	FLOORING								
	HIGH QUALITY FLOORING MATERIAL CEMENTED TO A SUITABLE TYPE OF WOOD								
	MEDICINE CABINETS								
	THE LEFT WALL OF THE PATIENT'S COMPARTMENT IS TO BE PARTITIONED INTO								
	TECHNICIAN SEAT - FRONT								
	PROVISION OF A TECHNICIAN SEAT AT THE FRONT OF THE PATIENT'S								
	TECHNICIAN SEAT-REAR								
	PROVISION OF A TECHNICIAN SEAT AT THE FOOT OF THE PATIENT'S ON THE								
	INSIDE LIGHTING SYSTEM								
	THE PATIENT'S COMPARTMENT ELECTRICAL SYSTEM IS TO BE SEPARATED FROM								
	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								
	RESUSCITATION EQUIPMENT								
	- TWO OXYGEN BOTTLES, EACH OF 500 LITTER CAPACITY SECURED WITHIN THE								
	- TWO SPARE OXYGEN BOTTLES OF 500 LITTER CAPACITY IN STOWAGE CABIN.								
	- ONE SET OF ENGLISH BULL NOSE VALVE YOKE, PRESSURE REGULATOR WITH								
	- THREE OXYGEN MASKS, ONE FOR EACH ADULT CHILD AND INFANT.								
	- THREE PLASTIC NASAL CANNULAS, TWO ADULT AND ONE CHILD.								
	- FOUR OXYGEN CATHETERS, TWO OF EACH NO.10F.								
	ONE MOUTH TO MOUTH VENTILATION MASK								
	CYLINDER KEY					1 FOR EACH			
	OXYGEN FLOW METER /REGULATOR					1 FOR EACH			
	HUMIDIFIER					1 FOR EACH			
	PORTABLE OXYGEN KIT								
	ONE PORTABLE OXYGEN KIT COMPETE WITH REGULATOR AND SUPPLIES.								
	RESUSCITATOR COMPLETE WITH CYLINDER.					1 FOR EACH			
	RESTRAINING STRAP FOR RESUSCITATOR.					1 FOR EACH			

SUCTION SYSTEM									
ONE VACUUM APPARATUS INCLUDING AN ELECTRIC DRIVEN PUMP with FIRST AID EQUIPMENT									
A BOX IS TO BE PROVIDED CONTAINING THE FOLLOWING:-									
TWENTY PRE- LOCALIZED PADS									
TWELVE COMPRESSIVE BANDAGES									
- FOUR 10CM ELASTIC STRIPS.									
- SIX GAUZE BANDEAUS, THREE OF 75MM AND THREE OF 150MM.									
- TWENTY GAUZE PADS 10CM BY 10CM, INDIVIDUALLY WRAPPED.									
- TWO 5CM ANTI-ALLERGIC ROLLS OF ADHESIVE TAPE.									
FIFTEEN TONGUE DEPRESSORS INDIVIDUALLY WRAPPED.									
- ONE 100 ML BOTTLE CONTAINING CHLOREXIDINE BASE DISINFECTANT.									
AIR SPLINTS									
ONE SET OF AIR SPLINT FOR EACH OF THE UPPER AND lower LIMBS.									
STRETCHER									
WHEEL STRETCHER WITH ADJUSTABLE BACK AND FOOT RESTS WITH SIDE									
SPARE STRETCHER									
FOLDING COLLAPSIBLE STRETCHER WITH SUPPORTING SPREADER BARS AND VINYL									
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									
SPARE STRETCHER HOLDER									
SPECIAL HOOKS ON WALL AND ROOF ARE TO BE PROVIDED TO HOLD SPARE									
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									
ANTENNA									
INSTALLATION OF RADIO ANTENNA IN EACH AMBULANCE AT THE ROOF.									
WIRELESS EQUIPMENT: EACH AMBULANCE EQUIPPED WITH RADIO (WIRELESS									
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									
SIDE DOOR: SIDE DOOR AT THE RIGHT SIDE.									
BACK DOORS: TWO PANEL DOORS OPENABLE TO THE SIDES.									
INSTRUMENT PANEL: WITH METRIC GAUGES and ODOMETER.									
MIRRORS: ONE INSIDE and TWO OUTSIDE REAR VIEW.									
TIRES :HIGH QUALITY INCLUDING SPARE.									
-WARNING EQUIPMENT: SIREN WITH SPEAKER AND BEACON OF THE FOLLOWING									
-ELECTRONIC SIREN WITH PUBLIC ADDRESS SYSTEM OF 100WATTS OUT-PUT									
BEACON : TWO REVOLVING DOME TYPE BEACONS LONGITUDINAL A LONG THE									
-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									
-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									
FAST MOVING PARTS for EACH VEHICLE.									
- TRAINING FOR 3 ENGINEERS.									
optional rquipments schedule ambulance									
VACUUM MATTERS WITH CARRYING HANDLES.							1 FOR EACH		
PUMP FOR VACUUM MATTRESS							1 FOR EACH		
FOLDING STRETCHER							1 FOR EACH		
INFLATABLE SPLINTS, SET OF 4 IN WALLET.							1 FOR EACH		
ANALGESIC UNIT.							1 FOR EACH		
NITRONOX CYLINDER (LIGHT WEIGHT)							1 FOR EACH		

	URINAL, MALE.				1 FOR EACH					
	URINAL, FEMALE.				1 FOR EACH					
	ORTHOPEDIC SCOOP STRETCHER				1 FOR EACH					
	BRACKETS FOR SCOOP STRETCHER.				1 FOR EACH					
	HEAPED AND HARDNESS SET FOR SCOOP STRETCHER.				1 FOR EACH					
	ASPIRATOR, MANUAL				1 FOR EACH					
	AMBULANCE CHAIR				1 FOR EACH					
	BRACKET FOR AMBULANCE CHAIR				1 FOR EACH					
	FIRST AID KIT COMPLETE WITH CASE.				1 FOR EACH					
	PENLIGHT				1 FOR EACH					
	BEDPAN				1 FOR EACH					
	ANEROID SPHYGMOMANOMETER				2 FOR EACH					
	STETHOSCOPE.				2 FOR EACH					
	OTOSCOPE.				1 FOR EACH					
	THOUGHT CUT SCISSORS.				1 FOR EACH					
	SEMI AUTOMATIC DEFIBRILLATOR /MONITOR				1 FOR EACH					
	SECURING DEVICE FOR DEFIBRILLATOR /MONITOR				1 FOR EACH					
	ARTERY FORCEPS (SPENCER WELLS)				1 FOR EACH					
	DISSECTING FORCEPS, PLAIN				1 FOR EACH					
	SCISSORS BANDAGE.				1 FOR EACH					
	THERMOMETER				1 FOR EACH					
	NON WOVEN ACRYLIC BLANKET 60"X80" APPROX.				1 FOR EACH					
	CELLAR BLANKET UNBLEACHED 60"X80" APPROX.				2 FOR EACH					
	FOAM PILLOW, PCV COVERED				2 FOR EACH					
	VACUUM FLASK STAINLESS STEEL 1 LITTER.				2 FOR EACH					
	RESTRAINING STRAP FOR VACUUM FLASKS				1 FOR EACH					
	OXYGEN CYLINDER, BULL NOSE (SIZE F)				1 FOR EACH					
	OXYGEN FACE MASK				1 FOR EACH					
	GREEN BUBBLE 30 FOOT ROLL				2 FOR EACH					
02-06-00302	ACCIDENT EMERGENCY AMBULANCE				200					
	PARTITION									
	BETWEEN DRIVER'S COMPARTMENT AND PATIENT'S COMPARTMENT FULL COVERAGE									
	PARTITION WINDOW									
	LARGE, DOUBLE SLIDING SAFETY GLASS CENTRAL WINDOW									
	DOUBLE SLIDING SAFETY GLASS WINDOW BEHIND DRIVER CABINET ITS 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									
	FLOORING									
	HIGH QUALITY FLOORING MATERIAL CEMENTED TO A SUITABLE TYPE OF WOOD									
	MEDICINE CABINETS									
	THE LEFT WALL OF THE PATIENT'S COMPARTMENT IS TO BE PARTITIONED INTO									
	TECHNICIAN SEAT - FRONT									
	PROVISION OF A TECHNICIAN SEAT AT THE FRONT OF THE PATIENT'S				488					
	TECHNICIAN SEAT-REAR									
	PROVISION OF A TECHNICIAN SEAT AT THE FOOT OF THE PATIENT'S ON THE									
	INSIDE LIGHTING SYSTEM									

THE PATIENT'S COMPARTMENT ELECTRICAL SYSTEM IS TO BE SEPARATED FROM 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									
RESUSCITATION EQUIPMENT									
- TWO OXYGEN BOTTLES, EACH OF 500 LITTER CAPACITY SECURED WITHIN THE									
- TWO SPARE OXYGEN BOTTLES OF 500 LITTER CAPACITY IN STOWAGE CABIN.									
- ONE SET OF ENGLISH BULL NOSE VALVE YOKE, PRESSURE REGULATOR WITH									
- 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									
SPARE STRETCHER									
FOLDING COLLAPSIBLE STRETCHER WITH SUPPORTING SPREADER BARS AND VINYL									
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									
SPARE STRETCHER HOLDER									
SPECIAL HOOKS ON WALL AND ROOF ARE TO BE PROVIDED TO HOLD SPARE									
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									
ANTENNA									
INSTALLATION OF RADIO ANTENNA IN EACH AMBULANCE AT THE ROOF.									
WIRELESS EQUIPMENT: EACH AMBULANCE EQUIPPED WITH RADIO (WIRELESS									
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									
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									
-ELECTRONIC SIREN WITH PUBLIC ADDRESS SYSTEM OF 100WATTS OUT-PUT									
BEACON : TWO REVOLVING DOME TYPE BEACONS LONGITUDINAL A LONG THE									
-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									
-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									
FAST MOORING PARTS for EACH VEHICLE.									
- ACCIDENT EMERGENCY TOOLS:									

	PREGNANCY								
	HOLDING CROWBAR								
	ELECTRICAL CUTTER								
	HYDRAULIC JACK WORK BY FOOT TO PULL MATERIAL PARTS.								
	AIR COMPRESSOR								
	HANDING CUTTER DIFFERENT SIZE								
	FIRE EXTINGUISHER (QTY 3)								
	TRANSMISSION TOOL (QTY 3)								
	- TRAINING FOR 3 ENGINEERS.								
	OPTIONAL EQUIPMENT'S SCHEDULE AMBULANCE								
	VACUUM MATTERS WITH CARRYING HANDLES.					1 FOR EACH			
	PUMP FOR VACUUM MATTRESS					1 FOR EACH			
	FOLDING STRETCHER					1 FOR EACH			
	INFLATABLE SPLINTS, SET OF 4 IN WALLET.					1 FOR EACH			
	ANALGESIC UNIT.					1 FOR EACH			
	NITRONOX CYLINDER (LIGHT WEIGHT)					1 FOR EACH			
	URINAL, MALE.					1 FOR EACH			
	URINAL, FEMALE.					1 FOR EACH			
	ORTHOPEDIC SCOOP STRETCHER					1 FOR EACH			
	BRACKETS FOR SCOOP STRETCHER.					1 FOR EACH			
	HEAPED AND HARDNESS SET FOR SCOOP STRETCHER.					1 FOR EACH			
	RESUSCITATOR COMPLETE WITH CYLINDER.					1 FOR EACH			
	RESTRAINING STRAP FOR RESUSCITATOR.					1 FOR EACH			
	ASPIRATOR, MANUAL					1 FOR EACH			
	AMBULANCE CHAIR					1 FOR EACH			
	BRACKET FOR AMBULANCE CHAIR					1 FOR EACH			
	FIRST AID KIT COMPLETE WITH CASE.					1 FOR EACH			
	PENLIGHT					1 FOR EACH			
	BEDPAN					1 FOR EACH			
	ANEROID SPHYGMOMANOMETER					2 FOR EACH			
	STETHOSCOPE.					2 FOR EACH			
	OTOSCOPE.					1 FOR EACH			
	THOUGHT CUT SCISSORS.					1 FOR EACH			
	SEMI AUTOMATIC DEFIBRILLATOR /MONITOR					1 FOR EACH			
	SECURING DEVICE FOR DEFIBRILLATOR /MONITOR					1 FOR EACH			
	ARTERY FORCEPS (SPENCER WELLS)					1 FOR EACH			
	DISSECTING FORCEPS, PLAIN					1 FOR EACH			
	SCISSORS BANDAGE.					1 FOR EACH			
	THERMOMETER					1 FOR EACH			
	NON WOVEN ACRYLIC BLANKET 60"X80" APPROX.					1 FOR EACH			
	CELLAR BLANKET UNBLEACHED 60"X80" APPROX.					2 FOR EACH			
	FOAM PILLOW, PCV COVERED					2 FOR EACH			
	VACUUM FLASK STAINLESS STEEL 1 LITTER.					2 FOR EACH			

	RESTRAINING STRAP FOR VACUUM FLASKS			1 FOR EACH					
	OXYGEN CYLINDER, BULL NOSE (SIZE F)			1 FOR EACH					
	CYLINDER KEY			1 FOR EACH					
	OXYGEN FLOW METER /REGULATOR			1 FOR EACH					
	HUMIDIFIER			1 FOR EACH					
	OXYGEN FACE MASK			1 FOR EACH					
	GREEN BUBBLE 30 FOOT ROLL			2 FOR EACH					
02-06-00303	CLINIC AMBULANCE			70					
	(INTENSIVE CARE UNIT AND MOBILE THEATRE)								
	A- BASIC VEHICLE								
	1. ENGINE:- 4 or 6 or 8 clyinder								
	PETROL ENGINE								
	WATER COOLED								
	2. TRANSMISSION:- MANUAL GEAR BOX								
	FLOOR SHIFT								
	3. STEERING:- POWER STEERING								
	LEFT HAND DRIVE								
	4. ELECTRICAL EQUIPMENT'S:- 12- VOLT BATTERY								
	ANTENNA								
	INSTALLATION OF RADIO ANTENNA IN EACH AMBULANCE AT THE ROOF.								
	WIRELESS EQUIPMENT: EACH AMBULANCE EQUIPPED WITH RADIO (WIRELESS								
	5. SUSPENSION: HEAVY DUTY								
	6. TIRES:- HIGH QUALITY WITH TUBES								
	7. ACCESSORIES:-FIRE EXTINGUISHER								
	JACK								
	WHEEL WRENCH								
	TOOL KIT								
	FAST MOVING PARTS								
	B- PATIENT COMPARTMENT								
	1- RISE ROOF MORE THAN 1900MM INSIDE								
	2- HYDRAULIC STRETCHER (AS A TABLE OF THEATRE) MOVE FOR ALL THE								
	3- ADDITIONAL BASE FOR HOLDING OF THE STRETCHER IN THE LEFT SIDE OF								
	4- ILLUMINATION: IN SIDE THE UNIT A FIXED SOURCES OF LIGHT USE FOR								
	5- EQUIPMENT FOR OXYGEN SUPPLY WITH SET FOR GIVING THE O2 COMPLETE								
	6- ELECTRICAL SUCKER COMPLETE WITH ADDITIONAL PARTS PUT IN THE RIGHT								
	7- AIR CONDITIONING AND HEATING EMT								
	8- BOTTLE HOOKS 3 PARTS OF HOOKS IN THE ROOF FOR THE FLUID & BLOOD								
	9- STORE FOR THE MEDICAL DRUGS & INSTRUMENTS ALONG THE SPACE IN SIDE								
	10- OXYGEN BOTTLE 5-7 500L & TWO MAIN SOURCES - BIG BOTTLE IN THE								
	11- COMPLETE OXYGEN SET								
	12- ANAESTHETIC MACHINE COMPLETE holding								
	13-INTENSIVE CARE UNIT - MONITOR WITH DC. SHOCK (COMPLETE) +								
	14- ELECTRICAL SUCKER (COMPLETE) FIXED AT RIGHT HAND OF THE								
	15- REFRIGERATOR FOR BLOOD STORAGE (MEDIUM SIZE)								
	16- SOURCE FOR OXYGEN READY FOR USE IN THE ROOF AT BOTH SIDES OF								
	C- ADDITIONAL SUPPLIES:-								
	1- KIT - SET CONTAINING ALL INSTRUMENTS NEED FOR INTENSIVE CARE &								
	2- KIT FOR PORTABLE OXYGEN & COMPLETE ADDITIONAL PARTS FOR GIVING THE								
	3- SUCKER HAND & FOOT SUCKERS								
	4- AIR SPLINT FOR FRACTURES UPPER &LOWER LIMBS 2 SET FOR EACH								
	5- OXYGEN BOTTLE SPARE 5 BOTTLE 500 L								
	6- STRETCHER SPARE								
	1 RULING TYPES								
	1 FOLDING TYPES								
	1 PART SCOPE STRETCHER								
	1 AIR STRETCHER								
	7- KIT FOR FIRST AIDE CONTAINS COMPLETE INSTRUMENT FOR MINOR								
	8- ULTRA VIOLET LIGHT INSTRUMENT FOR STERILIZATION UNIT & ANY OTHER								
	9- portable intensive care ventilator with UPS and patient cercuit								
	10- laryngeal mask (small ,medium, large)								
	11- 2 bottel for N2O with resulator and fitting to the anaesthetic								
	12- O2 regulator with fitting to the anaesthetic machine (qty 2)								
	13- O2 regulator with flow meter and humidifier for O2 mask therapy								
02-06-00304	EQUITMENT: RADIO (WIRELESS) COMMUNICATION NET WORK FOR EMERGENCY			25					
	AMBULANCE CALLS.			SYSTEM					
	CONSISTING OF THE FOLLOWING:-								
	- ALL NETWORK SYSTEM OPERATE IN FREQUENCY (420 MHZ-470MHZ)								
	NETWORK SYSTEM OPERATE WITH CODING - DECODING DEVICE								
	- ALL NECESSARY ANTENNA FOR THE FOLLOWING STATIONS WITH MAST (IF								
	CENTRAL STATION WITH DESK CONTROL AND UPS FOR 6 HOURS OPERATION:			23					

	- TO OPERATE ALL CHANNELS FROM ANY DESK.				
	- DISPLAY FOR CODING AND DECODING SYSTEM				
	- DIGITAL CLOCK				
	- LAMPS FOR RECEIVING, TRANSMITTING AND STAND BY.				
	- SEMI-DUPLEX OPERATION (PUSH TO TRANSMIT)				
	- RF OUTPUT POWER SUFFICIENT TO COVER AN AREA 100 KM DIAMETER.				
	FIXED STATION (8 CHANNELS):			170	
	- TO COMMENCE WITH CENTRAL STATIONS AND OTHER FIXED STATIONS OR				
	- RF OUT PUT POWER NOT LESS THAN (10 RF WATTS)				
	- UPS FOR 6 HOURS OPERATION				
	- EXTRA LAUD SPEAKER.				
	MOBILE STATIONS			230	
	(AS FIXED STATION ABOVE) EXCEPT UPS				
	HANDY STATION (WALK TALKY)			70	
	TO COMMENCE WITH CENTRAL STATION and ALL OTHER STATIONS				
	RECORDER SYSTEM			25	
	- FOR RECORDING ALL MASSAGES DURING 24 HR.				
	- ALL OPTIONS FOR ABOVE ITEMS				
	- INSTALL ALL SYSTEM BY THE SUPPLIER				
	2 YEARS WARRANTY (SPARE + MEN POWER)				
	3 YEARS MAINTENANCE MEN POWER ONLY TRAINING FOR 4 FROM OUR TECHNICAL				
	* SPARE PARTS LIST WITH ITEM PRICE				
	* FULL CATALOGS (OPERATING AND MAINTENANCE WITH CIRCUIT DIAGRAM WITH				
02-06-00305	EQUIPMENT:			400	
	WHEEL LOADER (1-2M3) BUCKET				
	DRIVER CABINS: FOLDING DOOR, THE LOCKING IS ASSURED ON AN OPEN				
	ENGINE: DIESEL ENGINE WATER-COOLED				
	GEAR BOX: INTEGRAL POWER SHIFT.				
	MOVING SPEEDS: SPEEDS IN KM/H				
	ELECTRIC EQUIPMENT: 24 VOLT 120 AMP				
	AXLES: FOUR WHEEL DRIVE: FRONT AXLE AND REVERSE AXLE				
	TIRES: HIGH QUALITY				
	BRAKES: HYDRAULIC SERVO BRAKES				
	PARKING BRAKES: DRUMS ON THE GEAR BOX.				
	STEERING: STEERING TOTALLY HYDRAULIC WITH CLOSED NEUTRAL POSITION.				
	HYDRAULICS: HYDRAULIC OPERATING WITH A DRIVE GEAR.				
02-06-00306	EQUIPMENT:			40	
	ELEVATING WORK PLAT FORM ON TRUCK				
	BASIC VEHICLE:				
	1.ENGINE: DIESEL ENGINE WATER COOLED				
	2.TRANSMISSION: MANUAL FLOOR SHIFT				
	3.CLUTCH: HYDRAULIC CONTROL SINGLE DRY PLATE WITH AIR PRESSURE				
	4.SUSPENSIONS: FRONT: LAMINATED LEAF SPRINGS WITH SHOCK ABSORBERS:				
	5.SUFFICIENT TO CONTROL THE VEHICLES IN THE PARKING SUPPLIED WITH AIR				
	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				
	9.STEERING: LEFT HAND DRIVE, (BALL NUT TUBE, INTEGRAL TYPE) WITH				
	10.TIRES:HIGH QUALITY FRONT WHEELS: SINGLE IN EACH SIDE REAR WHEELS:				
	11. DRIVERS CABIN: ONE AND HALF CABIN SUPPLIED WITH AIR-CONDITIONING				
	12. EQUIPMENT'S: THE VEHICLES (TRUCKS) IT PROVIDES WITH ALL				
	13- EQUIPPED WITH FIBER GLASS CABINET, CAPACITY LOADING NOT LESS THAN				
02-06-00307	TOWING TRUCK:			200	
	SPECIFICATIONS FOR TOWING TRUCK:				
	A. BASIC VEHICLE:				
	1. ENGINE: PETROL ENGINE, WATER COOLED				
	2. TRANSMISSION: MANUAL FLOOR SHIFT AND ONE REAR SPEED.				
	3. DRIVE: 4 WHEEL DRIVE				
	4. STEERING: LEFT HAND DRIVE, (POWER STEERING).				
	5. SUSPENSION: HEAVY DUTY.				
	6. MIRRORS: ONE INSIDE AND TWO OUTSIDES SUITABLE FOR DRIVING THE				
	7. BATTERY: (12 VOLT - 60 A.H) HEAVY DUTY.				
	8. TIRES: SEVEN TIRES WITH TUBES INCLUDING SPARE OF GOOD QUALITY.				
	9. CARBURETOR: SINGLE MANUAL CHOCK.				
	B. TOWING DEVICE:				
	1. BASIC RATING: 5 TONS				
	2. BOOM RATING:				
	FULLY RETRACTED (5 TONS)				
	FULLY EXTENDED.				
	3. WINCH RATING.				
	FIRST LAYER OF CABLE (5 TONS)				
	FOURTH LAYER OF CABLE (3 TONS)				
	4. LOAD CABLE:				
	TYPE 6 X 19 CLASS FIBER CORE IMPROVED PLOW STEEL.				
	DIAMETER AND STANDARD LENGTH (3/8 INCH X 10 FT),				
	WORKING LIMIT - SINGLE LINE (1 1/2 TON) OR 3500 IBS).				
	NOTE -1- THE TOWING DEVICE SHOULD BE OPERATE BY BOTH MECHANICAL WAY				
	AND IN ANOTHER WAY WE CAN USE IT BY ELECTRICAL WAY DRIVEN BY				

	NOTE-2- THE VEHICLE SHOULD BE SUPPLIED WITH ALL THE TOOLS NECESSARY								
	C. ACCESSORIES:								
	1. THE VEHICLE SHOULD PROVIDE WITH AUTO JACK AND FIRE EXTINGUISHER.								
	2. BOOKLET OF OWNER'S MANUAL (ENGLISH COPY).								
02-06-00308	EQUIPMENT:					200			
	MOBILE CRANE								
	MOBILE CRANE, TELESCOPIC, FULLY HYDRAULIC, (20-30) TONS LOAD								
	CARRIER PART:								
	ENGINE: DIESEL, WATER-COOLED, COMPLETE WITH ACCESSORIES, JACKS,								
	TRANSMISSION: GEAR BOX, POWER SHIFT								
	TIERS: HIGH QUALITY								
	STEERING: HYDRAULIC SERVO- STEERING								
	BRAKES: SERVICE BRAKE: SERVO- BRAKE WITH COMPRESSED AIR ACTING ON ALL								
	DRIVER CABIN: MADE OF PLATE-STEEL RUBBER SUSPENSION, GLASS SECURITY								
	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								
	ELECTRIC EQUIPMENT: 24 VOLTS, 120 AMP.								
02-06-00309	EXCAVATOR, SMALL SIZE					70			
	DRIVER CABINS: FOLDING DOOR, THE LOCKING IS ASSURED ON AN OPEN								
	EARTH AND CONCERT DIGGING AND EXCAVATOR, SMALL MOBILE SIZE, DIESEL								
	TIERS: HIGH QUALITY								
	ELECTRIC EQUIPMENT: 24 VOLTS, 120 AMP.								
02-06-00310	MOBILE DEAD BODY					300			
	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								
	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								
	B- DEAD BODIES COMPARTMENTS TO BE COOLED BY A SUITABLE COOLING SYSTEM								
	LOADING DOOR: TWO REAR OPERABLE TO THE SIDE OR ONE RIG. FIXED								
	C- ACCESSORIES: JACK WITH HANDLE AND WHEEL RANCH FIRE EXTINGUISHER								
02-06-00311	VEHICLE PICK-UP SINGLE CABIN					700			
	1. PETROL ENGINE WATER COOLED								
	2. MANUAL GEAR BOX, FLOOR SHIFT								
	3. STEERING POWER STEERING LEFT HAND DRIVE								
	4.ELECTRICAL EQUIPMENT'S: BATTERY 12V-60AMP HEAVY DUTY								
	5.AIR-CONDITIONING FOR DRIVER CABIN (HEATING AND COOLING)								
	6. SUSPENSION: HEAVY DUTY								
	7. TIRES WITH TUBES: SUITABLE FOR DIFFERENT ROADS (HIGH QUALITY)								
	8. CABIN: SINGLE CABIN WITH DOOR IN EACH SIDE.								
	9. MIRRORS: TO BE EQUIPPED WITH TWO SIDES MIRRORS AND ONE INSIDE								
	10.ACCESSARIES: TO BE EQUIPPED WITH JACK + WHEEL WRENCH + HAZARD								
	11.LOADING CAPACITY: FROM (1-2)TONS								
	12.ALL MATERIALS INSERTED IN THE CONSTRUCTION OF THIS CAR IT WILL BE								
	13.MAINTEMANCE FOR ALL VEHICLES FOR TWO YEARS ON ACCOUNT OF THE								
02-06-00312	LAND CRUISER 4 WHEEL DRIVER					1250			
	1.PETROL ENGINE: ENGINE WATER COOLED								
	2.MANUAL GEAR BOX, FLOOR SHIFT								
	3.STEERING: POWER STEERING LEFT HAND DRIVE								
	4.ELECTRICAL EQUIPMENT'S: BATTERY 12V, 60AMP, HEAVY DUTY								
	5. AIR-CONDITIONING: TO BE EQUIPPED WITH EFFICIENT AIR-CONDITIONING								
	6.SUSPENTION: HEAVY DUTY								
	7.TIRES WITH TYPES SUITABLE FOR DIFFERENT ROADS (HIGH QUALITY)								
	8. DOORS: TWO DOORS IN EACH SIDE OF THE VEHICLE WITH REAR DOOR								
	9. MIRRORS: TO BE EQUIPPED WITH 2 SIDES MIRRORS AND ONE INSIDE								
	10. ACCESSORIES: TO BE EQUIPPED WITH JACK + WHEEL WRENCH AND HAZARD								
	11. MAINTENANCE FOR ALL VEHICLES FOR 2 YEARS ON A COUNT OF THE								
02-06-00313	HANDLING TRUCKS					500			
	FOR BOXES CASE (UP TO 300KG) WITH TOE EXTENDED (FOLD UP TOE) 2								
02-06-00314	LIGHT ALLOY TROLLEYS					500			
	WITH ONE REMOVABLE ENDS. 350KG CAPACITY PLATE FORM OF ALUMINUM SLATS								
02-06-00315	HAND PALLET TRUCKS					500			
	CAPACITY UP TO 3000 KG								

	LIFTING: HYDRAULIC CONTROLLED BY HANDLE, RISE 120MM								
	CONTROL HANDLE: RETURNS AUTOMATICALLY TO UPRIGHT POSITION.								
	3 POSITION CONTROL HANDLE (RAISE, NEUTRAL, LOWER)								
	WHEELS 200MM STEERING WHEELS AND SIMPLE 85MM NYLON LOAD BEARING								
02-06-00316	MOBILE LADDERS AND PLAT FORMS				500				
	in ALUMINUM TREADS in NON SLIP STUDDED SURFACE								
	- PLATFORM IN ALUMINUM ALLOY, WITH NON SLIP STUDDED SURFACE. GUARD								
	- MAXIM PLAT FORM HEIGHT (3.5 METER)								
	- BASE FITTING FRONT 100MM Ø SWIVEL CASTORS WITHOUT BRAKE.								
02-06-00317	TELESCOPIC ELEVATING WORK PLATE FORMS				100				
	- CAPACITY 360 KG FOLDED UP ALUMINUM ALLOY CONSTRUCTION MOUNTED ON 4								
	- OPERATION: A HYDRAULIC SET INSTALLED AT THE BASE OF THE UNIT DRIVES								
	- POWER SUPPLY 220V AC AND 12V DC (OPTION)								
	- PLATE FORM DIMENSIONS 240 X 70 CM.								
02-06-00318	HIGH LIFT HAND PALLET TRUCKS 1000KG CAPACITY				300				
	- FORK WIDTH 520 MM								
	MANUAL LIFT (HYDRAULIC)								
	- TO LIFT LOAD FROM 83 MM TO 830 MM (OR HIGHER)								
	LIFTING CONTROL: VIA PEDAL								
	LOWERING CONTROL: VIA HANDLE								
02-06-00319	NICKEL - CADMIUM ACCUMULATORS (BATTERIES)				200				
	6 VOLT, 6 AH								
02-06-00320	EQUIPMENT: CLOCK								
	GROGY TIMING OLD MODEL GT1/60C1								
	1- CENTRAL CLOCK SYSTEM				20				
	2- SINGLE FACE SLAVE CLOCK				1200				
	3- DOUBLE FACE SLAVE CLOCK				240				
	4- SPARE PART FOR 5-YEARS				20 system				
	5- COMPLETE CATALOGUES SET				24				
	6-installation of one system on site								
	7-guarantee one year after installtion and operation								
	8-trining two-site eginer for two week at least on factory								
02-06-00321	SPECIFICATION OF AIRCONDITIONING				250				
	WARE HOUSE (COLD STORE FOR DRUGS)								
	FIRST :								
	Supply and eraction (40) prefabricated air conditioning warehouse								
	a- storing at temp 16-20 C								
	APPROXIMATE BUILDING DIMENTION:								
	100 m length								
	32 m width								
	8.3 m hight								
	b- storing at temp 16-20 C				10				
	APPROXIMATE BUILDING DIMENTION:								
	57 m length								
	20 m width								
	7 m hight								
	c- storing at temp 15-20 C				15				
	APPROXIMATE BUILDING DIMENTION:								
	25 m length								
	15 m width								
	5 m hight								
	3- frame work and roofing								
	a- main frames : the main frams will consist of hot rolled steel								
	b- purlins and side rails: purlins and side rails will be cold rolled								
	c- ancillary steel work: the steel fram will be suppllied with all								
	d-roofing:- single galvanised steel sheet 0.6 mm thick 45/250 profile								
	e- servic preparation and treatment : all steel work will be sheet								
	4-CEILING AND SIDE WALL CLADDING:								
	a- insolated sandwich steel panel external and internal face 0.6 mm								
	d- doors : each store has 4 no. (3500mm X 4500 mm) manually operated								
	e- an inter area 25X8 m in the front and back side of the store to								
	f-an office 4000mmX4000mmX2800mm inside each store from sandwich								
	5- cold stor (one pore each stor) 200 m3 capacity prefabricated								
	6-AIR CONDITIONING INSTALLATION :								
	SUPPLY AND INSTALLEDAIR COOLED PACKAGED WATER CHILLERS ONE STAND BY								
	7- electrical installation :								
	a- transformer with suitable capacity and all hight tension equipment								
	b- main switch boardse and distribution boards mounted out side the								
	c- cabling / sub - circuits wiring								
	d- lighting : provided from floresent fitting (double flouresent) 20								
	8-fire alarm system : acomplete fire alarm system comprising break								
	9-fire fitting system (automatic sprinkler system) design								
	a- all pipe work fittings hangers and sprinklers heads								
	b- all necessary installation controlling valve								
	c-two automatic fire pumps (one electrical and the others is diesl								
	d- water storage tank enough for one hour made from galvamised steel								
	e- joky pump								
	10- storage racking : storage racking type narrow aisel racking from								

	11- frok lift truck:								
	a-two frok lift per stor.for the racking rider electric reach truck capacity 1350 KG								
	b-two frok lift per stor / for loading and unloading from the truck								
	12-generator								
	13-one electronic.digital (PABX),6 trunk,64 extension with all								
	SECOND: general condition								
	1-the offer should include work shope drawing for foundation and								
	2-one year waramty 1 spare parts and labour.								
	3-one year mainten ance labour only								
	4-foundation will be don by the eliemnt according to your design and								
	5-stor building to risut 140KM/Hr								
	6-supply quick moving spare part list enough for five yeas								
	7-the company shoulds submit training course for 6 technicians for								
02-06-00322	Telephone exchange system					50			
	Capacity :1000 line								
	10% of lines for special								
02-06-00323	Packaged unit air-conditioning 12 ton for lift room					70			
02-06-00324	Equipment: Multimedia projector					200			
	minimum specification								
	- 650 ANSI Lumens								
	- SVGA (800X600) on - screen resolution								
	- Portable 8.2 Kg								
	- 4on- screen presentation tools								
	- full remote control with " virtual mouse "								
	- screen image size (diagonal) : 53 CM to 762CM								
	- four in put channels for computer and video signals								
	- built-in speakers and audio in puts for external connection								
02-06-00325	Equipment : Scanner					200			
	-push - button scanning								
	- full 36 - bit cooler depth (in put and out put)								
	- solid steel chassis								
	- fast single - pass scanning								
	- quick easy - to - install enhanced parallel (EPP) inter face (
	- 600 X 1200 DPI optical resolution								
	- 9600X9600 DPI enhanced resolution								
	- Arabic and English OCR +caress Omni page softwares								
02-06-00326	Equipment : notebook					200			
	- intel pentium II 300 MHZ with MMX TECHNOLOGY								
	- Intel mobil module (IMM) architecture								
	- 128 Mb EDO DRAM								
	- 512 KB secondary cache								
	- 9GB HDD								
	- 1.44 Mb modular floppy drive								
	- 24X CD- ROM (optional DVD- ROM drive)								
	- 13.3" TFT screen / XGA screen								
	- integrated 16-bit stereo sound system								
	- NTSC/PAL TV out and s-video out								
	- S3 Virge MX/ 4Mb (videschip/RAM)								
	- PCMCIA 56K integrated fax modem								
	- 232-bit card, lzoomed vides (PC card slot)								
	- (Battery/life) lithium ion/2.9 hours								
	- (Dimensions/ Travel weight) 2.1x12x9.5"/8.6 pounds								
	- USB and fast IR ports								
	- Integrated personal touch pad								
	- 2 extra Battery and charger for eash Unit								
	- VDC connecter								
02-06-00327	EQUIPMENT:ROOF					100000M2			
	- U Value Kcal/m2 hc: 0.55-0.74								
	- Weight/Kg/m2: 12.51								
	- Length/m: 6-9								
	- External face 0.63mm galvanised steel sheet 0.45mm profile coated								
02-06-00328	EQUIPMENT:WALLS					30000 m2 with angle and Tee elements			
	- U Value Kcal/m2hc: 0.55-0.74								
	- Weight/Kg/m2: 12.51								
	- Length/m: 6-9								
	- External and Internal face 0.63mm galvanised steel sheet with 4mm								
02-06-00329	Offset machine four colors size 72x102cm					50			
02-06-00330	Offset machine . four colors size 52x74cm with numbering system					50			
02-06-00331	Offset machine size 36x52cm four colors with numbering system					50			
02-06-00332	Camera photo for off set with drum scanning and all accesries					50			
02-06-00333	Device Contact size :100 X 150					50			
02-06-00334	Stitching machine with four heads four size 20x25mm					50			
02-06-00335	Machine of tying string					50			

02-06-00336	Collection machine for all sizes			50					
02-06-00337	High speed paper cutter (width 115cm) with ten knives as spare			50					
02-06-00338	Inking operator for GTO machine size . 32 X 46 cm			50					
02-06-00339	Inking operator for GTO machine size : 35 X 52 cm			50					
02-06-00340	Numbering box letter press for 6 numbers back down			3000					
02-06-00341	FILM ARTS GRAPHICS BLACK & WHITE								
	Size : 50 X 60 cm			3000					
	100X70 CM			3000					
	40 X 60 cm			3000					
02-06-00342	Set . of light notes to dark notes that			20					
	Return to picture .								
02-06-00343	plate pressing size : 102X71 cm				200 boxes each box 100 sheet				
			52X74 cm		200 boxes each box 100 sheet				
			32X 46 cm		200 boxes each box 100 sheet				
02-06-00344	Blanket size : 102X71 cm			4000					
	50X74CM			4000					
	32X52 cm			4000					
	32X46 cm			4000					
02-06-00345	Under blanket size: 102X71 cm			4000					
			52X74CM		4000				
			32X52 cm		4000				
			32X46 cm		4000				
02-06-00346	Developer plate A & B			3000 for each					
02-06-00347	Correction			200 bottle					
02-06-00348	Fixer			200 bottle					
02-06-00349	Ster lon sheet 100X70 cm			4000 sheet					
02-06-00350	Steel core for switching machine 22\19& 21\19			2000 turning					
	copper core for switching machine 22\19& 21\19			2000 turning					
02-06-00351	Cart bort 100 X70 cm , 240 g\m			white cooler2000 0 band					
	Cart bort 100 X70 cm , 240 g\m			green cooler 20000 band					
	Cart bort 100 X70 cm , 240 g\m			blue cooler 20000 band					
	Cart bort 100 X70 cm , 240 g\m			pink cooler20000 band					
02-06-00352	Cart bort 100 X 70 cm ,200 g\m			white cooler 20000 band					
	Cart bort 100 X 70 cm ,200 g\m			green cooler 20000 band			77		
	Cart bort 100 X 70 cm ,200 g\m			blue cooler 20000 band					
	Cart bort 100 X 70 cm ,200 g\m			pink cooler2000 0 band					
02-06-00353	Cart bort 100 X70 cm ,180 g\m			white cooler 20000 band					

	Cart bort 100 X70 cm ,180 g\m			green coloer 20000band					
	Cart bort 100 X70 cm ,180 g\m			blue color 20000 band					
	Cart bort 100 X70 cm ,180 g\m			pink coloer 20000 band					
02-06-00354	Paper 100 X 70 cm , 80 gm ,			white coloer 20000 band					
	Paper 100 X 70 cm , 70 gm ,			white color 20000 band					
	Paper 100 X 70 cm , 60 gm ,			white coloer 20000 band					
02-06-00355	Inking off set			2000sets & 6000 kg black					
02-06-00356	Inking letter			1000 & 1000 kg black					
02-06-00357	Carbon papers 100X70 cm			white coloer 5000 band					
	Carbon papers 100X70 cm			blue coloer 5000 band					
	Carbon papers 100X70 cm			pink coloer 5000 band					
	Carbon papers 100X70 cm			yellow coloer 5000 band					
	EQUIPMENT: SUB - STATION								
	SITE:SADDAM MEDICAL CITY								
02-06-00358	STEPDOWN TRANSFORMER DELTA/ STAR 11000/400VOLT, 3500KVA, 50HZ, DRY 115 C RISE ABOVE 50 C AMBIANT , CAPABLE OF CARRYING 15% CONTINUOS			50					
02-06-00359	A COMPLETE HIGH VOLTAGE SUB-STATION CAPABLE OF FEEDING 3 TRANSFORMERS THE H.V SWITCHGEAR SHALL BE HORIZONTAL DRAW OUT C.B ,INDOOR DESIGNED MANUFACTURED AND TESTED ACCORDING TO THE BS AND\OR IEC CODE			20					
02-06-00360	MEDIUM VOLTAGE SWITCH BORD MAIN AND TIE CB, SHALL CONSIST OF 3-MAIN THE MAIN AND TIE CB'S SHALL BE THE FUSED DRAWOUT TYPE, MECHANICALY			10					
02-06-00361	BUSWAYS 5000 AMP. RATING PROVIDE TOTALLY INCLOSED WEATHER PROOF LOW IMPEDANCE BUS WAYS BETWEEN BUSWAY SHALL BE 220/380 V , 3 PHASE ,4 WIRE , 50 Hz . BUSBARS SHALL BE COPPER FABRICATED FROM 98% CONDUCTIVITY COPPER			200 METERS					
02-06-00362	Field car (4WD a/c model 99) LAND CRUISER 4 WHEEL DRIVER 1.PETROL ENGINE: ENGINE WATER COOLED 2.MANUAL GEAR BOX, FLOOR SHIFT 3.STEERING: POWER STEERING LEFT HAND DRIVE 4.ELECTRICAL EQUIPMENT'S: BATTERY 12V, 60AMP, HEAVY DUTY 5. AIR-CONDITIONING: TO BE EQUIPPED WITH EFFICIENT AIR-CONDITIONING 6.SUSPENTION: HEAVY DUTY 7.TIRES WITH TYPES SUITABLE FOR DIFFERENT ROADS (HIGH QUALITY) 8. DOORS: TWO DOORS IN EACH SIDE OF THE VEHICLE WITH REAR DOOR 9. MIRRORS: TO BE EQUIPPED WITH 2 SIDES MIRRORS AND ONE INSIDE 10. ACCESSORIES: TO BE EQUIPPED WITH JACK + WHEEL WRENCH AND HAZARD 11. MAINTENANCE FOR ALL VEHICLES FOR 2 YEARS ON A COUNT OF THE			200					
02-06-00363	Photo copy machine			100					
02-06-00364	Overhead projector , LAMP 650 W , 25 25 cm			100					
02-06-00365	Television (39 inch)			100					
02-06-00366	Video camera (VHS) with accessories			100					

02-06-00367	Double- cassette recorder with amplifier	100					
02-06-00368	Video (VHS) with accessories	100					
02-06-00369	Photo Camera	100					
02-06-00370	Slide projector with all accessories	100					
02-06-00371	Assembly of video - tape equipment (for recording , play - back &	100					
02-06-00372	Pentium I I -450 MH3w/cache	200					
	128-MB RAM						
	6-MB HDD						
	1.44-MB FDD						
	40-X CD Drive						
	Multimedia KIT						
	-8 MB VRAM						
	-A/E 104 Keys Keyboard						
	MS mouse + Pad						
	-Power Supply + Case+						
	Dust Covers						
	-15n Monitor SVGA						
	*HP Laser jet 1100						
	Printer						
	Extra Tones 10 foe each						
	Printer						
	HP 6P Laserjet printer(2 only)						
02-06-00373	passenger bus for transportation of wheel chair patient						
	capacity :- 6-10wheel chair aoutomatic door with hydrolic lifter for	50 Buses					
02-06-00374	VACUM AIR	20					
02-06-00375	Telephone exchange system	20					
	2 out line x 20 in line						
02-06-00376	EQUIPMENT: Generator (1000KVA)	600					
	Generator (250KVA)	600					
	1500 KVA	50					
	750 KVA	75					
	550 KVA	270					
	150KVA	90					
	55 KVA	1000					
	Fully automatic mains failure diesel generator sets suitable for						
	Prime power : (1500,750,550,55) KVA						
	Nominal voltage : 400V						
	Nominal frequency : 50 HZ						
	Speed : 1500 rpm						
	Power factor : 0.8						
	Voltage variation : static + _ 1-1.5 %						
	Alternator connection star with neutral						
	Insulation class F rotor and stator						
	temperature rise class F rotor and stator						
	- harmonic distortion factor < 3.5 %						
	- construction B3/B5						
	- radio interference class N						
	- tropical insulation						
	-long life bearings						
	Damper winding for parlor operation 100% unbalanced						
	Load						
	Ambient temp. 0-60 C , humidity 95%						
	Fuel tank 10 hours at full load operation Starting battery						
	(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, (know manufacturing origin ,first oil filling ,						
	The set engine and alternator and control panel is equipped with all						
	1- starting failure						
	2- over and under voltage						
	3- over and under speed						
	4- Oilpressure and temp.						
	5- low fuel level						
	6- Water pressure and temp.						
	7- phase failure and sequence						
	8- Over load and short circuit.						
	9- battery failure						
	10- lubrication system failure						
	11- cooling and pre-heating system failure						
	12- fuel injection system failure						
	13- Alternator winding and bearing temp.						
	14- alternator over current						
	And also the control panel should contain the followings :						
	1- pair of change over contractors mechanically & electrically						
	2- circuit breaker fitted with thermal overload trips & magnetic						
	3- automatic battery charger device 220/24 volt with voltmeter &						

	4- manually operated change - over switch to connect load directly								
	5- time delay to isolate load from generator & connecting it to								
	And also) Electric lighting must be sufficient inside the container								
	The offer including :								
	1-.installation the gensets on sites								
	2- spare part for 5-years								
	3-warranty period of tow years after operation at site								
	4-three years maintenance after period of warranty								
	5-training course on factory								
	6-complete standard set of tools and measuring equipment for each set								
	7-complete set of mantas and diagram for each set								
02-06-00377	Electric drill							50	
02-06-00378	Dishes washing machine							50	
02-06-00379	Ampoule sealing machine with accessories							50	
02-06-00380	Cold room							100	
	35C 9.5M3								
02-06-00381	Cold room							100	
	+2/+6 C 7.2M3								
02-06-00382	Security system							50	
02-06-00383	Specific printer for bar							300	
02-06-00384	Lab refrigerators							50	
02-06-00385	Vacuum							20	
02-06-00386	VEHICLE							150	
	Mechanical Specification Fire Fighting (Water + Foam Vehicle)								
	1. The Cabin :								
	A: Left hand drive with power steering								
	B: Six seat including the driver (double cabin) .								
	C: Anti corrosion made cabin .								
	D: Provided with unbreakable glass.								
	E: The Cabin provided with hydraulic & manual system for rising								
	F: red paint .								
	2. The Engine :								
	A: Working by fuel (Diesel) in line .								
	B: Provided with prefect water cooling system for the engine of the								
	C: The horse power not less than (300) with one axle .								
	3. The pump unit :								
	A: Type - centrifugal combined for normal & high pressure with four								
	B: Material - anti corrosion -impellers , suction inlet , discharge								
	C: Power take off : with gear , oiling system , mechanical pneumatic								
	D: Pump outlet not less than 3000 liter / min at (8-10) bar .								
	E: Provided with automatic outlet air system .								
	F: Provided with one suction system in each side within (4) inch								
	G: Provided with four outlet 2,5 inch (Tow in each side or in the								
	H: Provide with all gauge for pressure & speed pump .								
	4. Water Foam Tank :								
	A: 7000-7500 liter water + at least (500 - 1000) liter foam .								
	B: Water & Foam tank made from suitable material unit corrosion can								
	Along time not less than 10 years .								
	C: A Tank fill line 2.5 inch instantaneous coupling .								
	5.Petrol tank :								
	200-300 liter gasoline .								
	6. Electric system :								
	A: 2 Batteries 12V . (135- 165 A)								
	B: All electrical system made from good insulated material .								
	C: Provided with two head lights & two back lights .								
	D: Provided with front vogue & side light .								
	7. Additional fire equipment :								
	A: Monitor for water on top of the vehical could be rotated 360 . the								
	B: 1100/ 20 or 1200/20 tire size ..								
	C: (1) Project or (search) light								
	D: (1) electronic horn with loud - speaker								
	E: (1) Warning light .								
	F: 4 Section pipe (4) inch diameter , 2.5 meter length each completed								
	G: Steainer with suction basket .								
	H: (4) dry powder extinguisher (12) Kg .								
	I: Aluminized asbestos suit for entering fire (2 piece) .								
	J: (80) meter rubber pipes (3/4) inch diameter with suitable rolls								
	K: Complete driver tools Kit with Jack .								
	L: (2) Ladders length (12) meter fitted on the top of the vehicle (
	M: (2) steel fine axe with unit electrical handle up to (20000)								
	N: (8) rubber for fire fighting .								
	O: (8) fire suit for fire fighter .								
	P: (10) hose 20 meters long 2.5 inch instantaneous coupling .								
	8.Spare Parts :								
	Spare parts choosing by from delivery company & its enough to								
	9. Foam :								
	500 Lt for each Vehicle with sent the specification for maney type of								
02-06-00387	Split unit 25 TON							25	

02-06-00388	Freezer - 40 C0				30				
02-06-00389	Freezer - 120 C0				15				
02-06-00390	Network								
	PACS (Picture Archiving and communicating system):				50				
	state of the art and of up gradeable technology				50				
	-to serve linking the X-ray dept internally & to the following				100				
	conference room				50				
	operation rooms				50				
	operating suite meeting room								
	doctor offices								
	microprocessor based workstation for each secretary								
	interface to possible tele medicine								
	archiving on magnetic optic disk								
	hard copies obtained from								
	laser camera								
	VCR (PAL)								
	Video printers each is connected to MRI,CT,mobile CT ,angio, DER								
	UPS								
	Five years maintenance incl spar parts								
02-06-00391	Main conference room				50				
	Projection T.V and screen								
	Overhead projectors X2								
	Slide projectors X2								
	Video (pal)								
	Multiple X- ray viewers - mobile								
02-06-00392	Doctors offices :				20				
	In each office the facility to be provided with computer terminal								
	Tow extra stations in two extra doctor offices								
02-06-00393	Pakeg unit 7,5 Ton				700				
02-06-00394	Pakeg unit 5 Ton				20				
02-06-00395	submersible draings Pump for spring well			old model :-	20				
02-06-00396	C02 incubator				60				
	Mince - 1000 - solid state								
02-06-00397	Steam boiler 3TON				10				
02-06-00398	Water treatment (deionized water) (hemodialysis)				200				
	1-Power supply								
	220V power=2500W 50HZ								
	2-pressure supply								
	3 bar - 6 bar								
	3-out put supply								
	1 m3/hour - 3 m3/hour								
	4-equipment contain of :								
	A-sanfliter								
	B-softener (cationic)								
	C-culler filter								
	D-R-O filter								
	E-storage tank 2000L								
	F-recirculation pump								
02-06-00399	Cooling tower				40				
	1-model TMC 520								
	2-capacity Kcal/h 1.954.000								
	3-number of fans 10								
	4-air flow M3/h 119.000								
	5-water flow M3/h 326								
	6-weight kg - Net=3.730 operating 5.930								
	7-number of motors 4								
	8-electric heater power kw 5+5								
02-06-00400	Photo graphy equipment				50				
	(iron for drying the negative)								
02-06-00401	Tanks for film development				50				
02-06-00402	BOILING PAN,GASEOUS:				700				
	100LT,S/S with lid, water inlet, discharge faulet, LPG control,								
02-06-00403	BOILING PAN,ELECTRIC:				500				
	As above but electric heated, controlled.								
02-06-00404	BOILING PAN, ELECTRIC:				400				
	As above but steam heated, controlled.								
02-06-00405	DEEP FRYER,GASEOUS:				600				
	Double well with baskets, covers, all stainless steel, ltemperature								
02-06-00406	DEEP FRYER,ELECTRIC:				700				
	As above, but electric operated, 380V, 3PH,thermostatic control,								
02-06-00407	COOKER, GAS RANGE:				400				
	With oven, 5cuft,S/S body, burners, 900x900x800,pilot flame,								
02-06-00408	COOKER , ELECTRIC RANGE:				450				
	As above but electric, thermostat control (18) KW total load, 4 hot								
02-06-00409	MEAT MINCER:				500				
	Heavey duty meat grinder, 1 1/2 HP motor capacity not less than 200								
02-06-00410	MEAT SAW:				500				

	Floor mounted S/S table and parts, 900x600mm working table, 1 1/2HP						
02-06-00411	SLICER: Heavy-duty compact, food slicer, S/S and aluminifinish, table type,	450					
02-06-00412	GRILL GASEOUS: 800X500 450 high with adjustable levels, floor mounted, s/s external	400					
02-06-00413	GRILL ELECTRIC: AS above but electric heaters, 10KW, 380V, 3PH,controls, access.	400					
02-06-00414	OVEN, GASEOUS: 1000X800X500 depth oven, glass door, adjustable, temp, shelving, all	400					
02-06-00415	OVEN, ELECTRIC: AS above but electric powered 15KW, 380V, 3PH.	600					
02-06-00416	FOOD CUTTER: 14 bowl food cutter, all S/S, adjustable speed, easy clearable, with	500					
02-06-00417	FOOD MIXING MACHINE: Floor mounted, 1/3hp, 1-pH motor, adjustable speed, mixing BOWL 20-	500					
02-06-00418	KETTLE ELECTRICAL: 5 LT boiling kettle, electric, controlled ,all S/S with insulated	600					
02-06-00419	TEA URN: 20 LT electric tea urns adjustable temp. With thermostat and	600					
02-06-00420	POTATO PEELER: Floor mounted 8LT load, 1/2 hp motor with full accessories and	400					
02-06-00421	HOT CUPBOARD: 1100X650X800 high, electric heated, 50-130C,controlled, all S/S,	400					
02-06-00422	ICE CUBE MACHINE: Chest type with storage bin, 4 KG/HR ice-making machine, S/S	500					
02-06-00423	INSECT KILLER: Hanging U.V.lamp, industrial insect killer with HV grid, collection	1000					
02-06-00424	SINK AND TABLE: Heavy guage S/S, round edges, back splash table, double BOWL, mounted	600					
02-06-00425	PREPERATION TABLE: Heavy guage S/S, round edges table, mounted on S/S legs, with low	500					
02-06-00426	MOBILE SINK: Sink (1) mm S/S, on castors, 220 LT with drain valve.	500					
02-06-00427	STAINLESS STEEL SHELVING: Heavy guage shelving adjustable hight of 4 shelves per unit, each	500					
02-06-00428	CONVECTION OVEN: Electric operated, (10) shelves of 500x650mm upto 180 C, floor	600					
02-06-00429	Bench surface protector	500 packets					
02-06-00430	Drying cabinet ,large	500					
02-06-00431	Drying rack wall mounted & bench top 72 place, 22 place	500for each					
02-06-00432	Air condition 2.5ton	500					
02-06-00433	Telephone exchange system 200 inter line 10 outer line	500					
02-06-00434	Freezer, - 80C	500					
02-06-00435	Deep freezer (-70 , -120 C)	500					
02-06-00436	Chilled water airconditioning system 50K.W	500					
02-06-00437	Aircondition package type 25K.W.	500					
02-06-00438	Window type airconditioner 24000 P.t.U	500					
02-06-00439	Window type airconditioner 18000 P.t.U	500					
02-06-00440	Emissioning water pump 4"	500					
02-06-00441	Emissioning water pump 3"	500					
02-06-00442	Freezing store room 18m3 -30°C	500					
02-06-00443	Cold store room 24m3 - 4" C	500					
02-06-00444	Electric hot water boiler 3000 lit3	500					
02-06-00445	Refrigerator 6 feet	500					
02-06-00446	Refrigerator 12 feet	500					
02-06-00447	Coloured T.V 16 inch	500					
02-06-00448	Telecommunication unit 400 lines with telephones	500					
02-06-00449	P.C. computers	500					
02-06-00450	Mechanical & electric tools	500sets					
02-06-00451	Flour mixer capacity 100gm	500					
02-06-00452	Bread fertilizer	500					
02-06-00453	Baker oven electric	500					
02-06-00454	Meat mixer large size	500					
02-06-00455	Electric coolr large size	500					
02-06-00456	Pick up motor vehicle 1 ton	500					
02-06-00457	Clothes washer machine large size	500					
02-06-00458	Clothes steam iron machine larg size	500					
02-06-00459	Vaccum floor dryer	500					
02-06-00460	Hoover (vaccum cleaner)	500					
02-06-00461	Dry woop	500					
02-06-00462	Double trolley carriage for floor cleaning with woop & seguer with 2	500					
02-06-00463	Electric table calculator	500					
02-06-00464	Grass grinder electric	500					
02-06-00465	Electric arabic printer	500					
02-06-00466	Electric english printer	500					

02-06-00467	Tool & equipment for mechanical work shop		500set				
02-06-00468	Tool & equipment for electronic work shop		500set				
02-06-00469	Closed circuit TV. system		500				
02-06-00470	Cameras fixed in operation theaters with out door monitoring system		500				
02-06-00471	Compuator for hospital use		500				
02-06-00472	Laundry & CSSD central station		500				
02-06-00473	Bleep- Doctor call (3 miles range)		for500pers on				
02-06-00474	Equipment-dusters		5000				
02-06-00475	mist sprying machine holed by back with spare parts		5000				
02-06-00476	fogging mechine with spare parts- the A/M item should be included the		1000				
02-06-00477	trailer with spare partes		1000				
02-06-00478	hudson x-pert 10 liter with spare partes		2000				
02-06-00479	wheel barrow power sprayer 100 liter with spare partes		1000				
02-06-00480	IGEPA TF 35 fog generator with spare partes		1000				
02-06-00481	IGEPA high performance FOG generator (jumbo) with spare partes 100		1000				
02-06-00482	IGEPA HD 160 with spare partes		1000				
02-06-00483	cooling tower		10				
	capacity : 750 ton = 9×10^6 Btu/hr = 2268.66 thermie /hr						
	water out let temp. 7-26 C0						
	wet bulb temp 24.5C						
	water flow rate = 330 m^3 /hr						
	tower weight empty weight : 2630 kg						
	full with water : 7810kg						
	basin capacity : 3.74 m^3						
	fans type propeller not exit than 3 fans for each tower						
	fans motor power :9kw						
	packege :type PVC or wood						
02-06-00484	EQUITMENT: RADIO (WIRELESS) COMMUNICATION NET WORK FOR MEDICINES						
	CONSISTING OF THE FOLLOWING:-						
	- NETWORK SYSTEM OPERATE WITH CODING - DECODING DEVICE						
	- ALL NECESSARY ANTENNA FOR THE FOLLOWING STATIONS WITH MAST (IF						
	CENTRAL STATION WITH DESK CONTROL AND UPS FOR 6 HOURS OPERATION:-						
	1. TO OPERATE ALL CHANNELS FROM ANY DESK.						
	2. DISPLAY FOR CODING AND DECODING SYSTEM						
	3. DIGITAL CLOCK						
	4. LAMPS FOR RECEIVING, TRANSMITTING AND STAND BY.INDUCTIA						
	5. SEMI-DUPLEX OPERATION (PUSH TO TRANSMIT)						
	6. RF OUTPUT POWER SUFFICIENT TO COVER AN AREA OF COUNTRY OF IRAQ.		50				
	FIXED STATION (MULTI CHANNELS):						
	7. TO COMMENCE WITH CENTRAL STATIONS AND OTHER FIXED STATIONS..						
	8. RF OUT PUT POWER SUFFICIENT TO COVER ALL COUNTRY OF IRAQ						
	9. UPS FOR 6 HOURS OPERATION						
	10. EXTRA LAUD SPEAKER.		100				
	MOBILE STATIONS						
	(AS FIXED STATION ABOVE)		500				
	2 YEARS WARRANTY (SPARE + MEN POWER)						
	3 YEARS MAINTENANCE MEN POWER ONLY TRAINING FOR 4 FROM OUR TECHNICAL						
	* SPARE PARTS LIST WITH ITEM PRICE						
	* FULL CATALOGS (OPERATING AND MAINTENANCE WITH CIRCUIT DIAGRAM WITH						
02-06-00485	Donor chair		50				
02-06-00486	Tube sealer		50				
02-06-00487	Cool box		100				
02-06-00488	CO2 or N2O		50 bottel				
02-06-00489	high tension switch gear						
	vaccum type 11KV input - 420V out put -3ph -1600A with complete		100				
02-06-00490	plasma deep freez		800				
02-06-00491	portable personal dust sampler		70				
02-06-00492	Freez -20C		10				
02-06-00493	Steam boiler		70				
	rating : 1000 kg/hr from 100 C0 feed water						
	desing : 3- pass wet back fire tube						
	burner : dual fule , LPG and light gas oil						
	standard : B.S 2790 and equivalent						
	quality :150 9001						
	full automatic packaged boiler with atomatic blowdown system feed						
	a) dual base - exchange softener of 5 m3/hr at 220 ppm water hardness						
	b) 10000 lt fuel tank						
	c) 2000 lt condensate tank						
	d) blow down receiver complete						
	e)5 meters chimney						
	f) chemical dosing pump with tank and fitting complete						
	g) 5 year recommended spare parts						
	h) 1 year warranty						
	I) training of 2 engineers in factory						
	j) supervision on installation						
02-06-00494	DUPLEX WATER SOFTENING PLANT		20				
	SADDAM MEDICAL CITY						

	Supply a duplex water softener :								
	Service flow rate	: 90m3/hr							
	Ion exchange resin type	: strong cation							
	Ion exchange resin volume:	3800 liters							
	Underbed	: coarse and fine gravel							
	Operation mode	: automatic / manual							
	Net capacity of softened water per regeneration /unit	:950m3(based							
	Regeneration initiation flow meter								
	Salt consumption per regeneration	: 430 kg							
	Brine tank recharge capacity	: 1.25m3							
	Working presser	5.0 bar max							
		1.72 bar min.							
	electricity supply	: 380v,3 phase,50 Hz							
	fully wurd, piped assembeled on skid , control panel fitted ready to								
	full detailed specs and drawings to be submitted								
	Ultraviolet water bacteria removal unit for 10 m3/hr filtered water					30			
	10 m3/hr filter for drinking water, dublex sand filter with automatic					30			
	Set of 5-year spare parts, training, supervision on installation, test					10Lot			
02-06-00495	NURSE CALL SYSTEMS								
	MANUFAC.DUKANE								
	SADDAM MEDICAL CITY								
	SYSTEMS COMPLETE REBUILD, SUPLY OF REPLACEMENT 100 CENTRAL NURSE					10 LOT			
	CALL CORDS ,BUTTENS AND ACCESSORIES								
	INSTALLATION, SPAREPARTS FOR 5 YEARS, TRAINING					10 LOT			
02-06-00496	DOCTOR CALL SYSTEM								
	REPAIR OF								
	NIRA TELESTAR								
	Saddam Medical city								
	Wireless bleep system to cover no less than 5KM radius area, central					10			
	Set of 5-year spare parts, one year consumables, training, supervision					10 lot			
	3 sets of technical documents, to be included for above								
02-06-00497	Electronic master clock system					50			
	saddam medical city								
	Electronic master clock system consists of :								
	1-master time center								
	2-solid state generator								
	Each hour the master time center should initiate clock correction								
	Replacement to SIMPLEX CLOCK SYSTEM manufactured by SIMPLEX TIME								
	Spare parts for one year operation.								
	Secondary wall clocks, single face.					200			
	Secondary wall clocks, double face.					100			
	Set of 5-year spare parts, training, supervision on installation to be					5 lot			
02-06-00498	UNINTERRUPTIBLE POWER SUPPLY UPS								
	SADDAM MEDICAL CITY								
	AC POWER STATION 1.5 KVA COMPLETE WITH BATTERIES.					60			
	VOLTAGE INPUT : 220 VAC								
	OUTPUT : 220 VAC								
	FREQUENCY : 50 HZ								
	TRANSFER TIME : 50 - 100 MS								
	FULL RATED LOAD FOR 90 MINUTES MINIMUM								
	LOAD POWER FACTOR 0.85 LAY OR 1.0 LEAD								
	Set of 5-year spare parts, training,					5 LOT			
02-06-00499	Central Medical VACUUM PUMP								
	SADDAM MEDICAL CITY								
	VACUUM PUM UNIT COMPLETE					10			
	FREE AIR DISPLACEMENT AT ATMOSPHERIC PRESSURE 760MMHG 1350 L/MIN								
	VOLUMETRIC THROUGH PUT AT LINE VACUUM 4050 L/MIN, 7.5KW-MOTOR								
	VACUUM PUM UNIT COMPLETE								
	FREE AIR DISPLACEMENT AT ATMOSPHERIC PRESSURE 760MMHG 900 L/MIN					10			
	VOLUMETRIC THROUGH PUT AT LINE VACUUM 2700 L/MIN, 5KW-MOTOR								
	VACUUM PUM UNIT COMPLETE					15			
	FREE AIR DISPLACEMENT AT ATMOSPHERIC PRESSURE 760MMHG 6750 L/MIN								
	VOLUMETRIC THROUGH PUT AT LINE VACUUM 20250 L/MIN, 40KW-MOTOR								
02-06-00500	EQUIPMENT : central telephone exchange					5			
	model: telecom SL-1								
	company / manufacturer : northern telecom								
	site : saddam medical city								
	required is to update existing system with new central PABX which								
	complete system components								
	telephone sets								
	TTY/PRINTERS								
	attendant counsels								
	set of 1-year consumables								
	set of 5-year spare parts								
	set of tools and accessories								
	factory and on sit training								
02-06-00501	equipment : steam sterilizer complete								
	site : saddam medical city								

	200 it steam sterilizer , multi - purpose steam jacketed stainless	30					
	as above but 500 it	10					
	ro- water treatment station to suit tow of item 1 above and one of	10					
	recommended 5- year spare parts training supervision on installation	5 lot					
02-06-00502	PUMPS COMPLETE						
	QTY	power Rev	suction	discharg	capacity l/s	head	
		KW sec	mm	mm		m	
	10	30 48	100	75	16.5	80	
	10	5.5 48	65	50	12.5	35	
	10	10 48	65	50	14	55	
	10	11 48	65	50	10	65	
	10	0.75 24	50	37	4	10	
	10	18.5 24	150	100	56.25	20	
	10	1.1 48	31.25	25	3.5	14	
	10	2.25 24	75	62.5	8.5	12	
	10	30 24	150	125	28.6	32.8	
	10	0.75 24	56	50	3.36	7.5	
	10	2.2 24	86	50	5.28	13.5	
	10	7.5 24	100	65	15	25.5	
	10	4 24	125	100	17.42	11	
	10	2 0.25	40	40	1.5	3	
	10	4 16	125	125	22.5	9.8	
	10	3 16	125	125	12.5	9.8	
	10	2.2 48	50	50	-	-	
	10	0.75 24	65	65	3.22	7	
	10	1.1 24	65	40	3	11	
	10	2.2 24	80	50	4	12	
	10	1.5 24	80	50	5	11	
	10	2.2 24	80	50	7	12	
	10	2.2 24	80	50	8	12	
	40	4 48	-	75	5	20	
	20	8 48	-	100	6	20	
	40	2 48	-	50	4.2	20	
02-06-00503	BATTERIES						
	Saddam Medical city						
	Nickel cadmium battery block ,24vdc,280AH,shipped dry with	30					
	As above but 110vdc,100ah,suitable for electrical switchgears	25					
	Kitchen equipment						
	saddam medical city						
02-06-00504	Boiling pan,electric:	60					
	100 Lt , s/s with water inlet , discharge faucet , LPG control safty						
02-06-00505	Boiling pan, steam :	10					
	As above but steam heated, controlled, with all accessories and spare						
02-06-00506	deep fryer electric	40					
	Double well with baskets, covers, all s/s , temperature control,						
	electric operated , 380 V /50 hz /3ph, thermostatic control , timer						
	, with all accessories and spare parts for one year operation.						
02-06-00507	Cooker, electric range :	10					
	With oven, 5 ft3, s/s body, burners, dim. Approx. 900*900*800, pilot						
	electric , thermostat control , (18)kw total load , 4 hot plates						
	With all accessories and spare parts for one year operation.						
02-06-00508	Meat mincer :	15					
	Heavy duty meat grinder, 1.5 Hp motor capacity, not less than						
02-06-00509	Meat saw :	10					
	Floor mounted, s/s table and parts, dim. Approx.900*600mm working						
02-06-00510	Slicer :	5					
	Heavy-duty compact food Slicer, s/s and aluminum finish table type,						
02-06-00511	Grill, gaseous :	30					
	Approx. Dim. 800*500*450, with adjustable levels, floor mounted s/s						
02-06-00512	Oven, gaseous :	40					
	Approx. dim. 1000*800*600 depth oven, glass door, adjustable temp.,						
02-06-00513	Oven, electric :	15					
	As above but electric powered, 15kw,380V/50Hz/3Ph.						
02-06-00514	Food cutter :	10					
	14" bowl, food cutter, all s/s, adjustable speed, easy cleanable,						
02-06-00515	Food mixing machine :	10					
	Floor mounted, 1/3 Hp, 1-pH motor, adjustable speed, mixing bowl 20						
02-06-00516	Kettle electrical	40					
	5-LT boiling kettle, controlled, all s/s with insulated handles and						
02-06-00517	Tea urn :	25					
	20-LT electric tea urn, adjustable temp. with thermostat and						
02-06-00518	Potato peeler :	10					
	Floor mounted, 8-LT load, 1/2Hpmotor, with all attachments, With all						
02-06-00519	Hot cupboard :	15					
	110*650*800 height, electric heated, 50-130 C, controlled, all s/s,						
02-06-00520	Ice cube machine :	70					
	Chest type with storage bin, 2kg/hr, ice making machine,all s/s,						

02-06-00521	Insect killer :				60				
	Hanging U.V. lamp, industrial insect killer with HV grid, collection								
02-06-00522	Sink and table :				15				
	Heavy gauge s/s, round edges back splash able double bowl mounted on								
02-06-00523	Preparation table :				10				
	Heavy gauge s/s, round edges table, mounted on s/s legs, with low								
	With all accessories and spare parts for 1- year operation.								
02-06-00524	Mobile sink :				15				
	Sink (1)meter s/s, on castors, 220 LT with drain valve. With all								
02-06-00525	Stainless steel shelving :				15				
	Heavy gauge shelving adjustable height of 4-shelves per unit dims.								
02-06-00526	Convection oven :				15				
	Electric operated, (10)shelves of 500*650mm up to 180C, floor								
02-06-00527	Medium voltage switchgear								
	saddam Medical city								
	Type		Closing voltage	Tripping voltage					
	Air circuit breaker AH-40C		220vac	24vdc	15				
	Air circuit breaker AH-50C		220vac	24vdc	15				
	Air circuit breaker AH-40C		220vac	24vdc	10				
	Air circuit breaker AH-30C		220vac	220vdc	10				
	Air circuit breaker AH-30C		220vac	24vdc	15				
	Air circuit breaker AH-30C		220vac	24vdc	10				
	The offer should include the following accessories:								
	1-tester type OCR ANH-1B, qty:1								
	2-tester type ANR-1 portable checker, qty:1								
	3-JWB-6 lifter loader (HB)AH50C/60C 3P, qty:1								
	4-JWB-O-H loader for AH50C, qty:1								
	5-JWB-O B34 loader for AH40C 4P, qty:2								
	6-JWB B33 loader, qty:2								
	7-JWB-O-M extension rail, qty:4								
	8-JWB-O-P extension rail, qty:1								
	Offer should include training of 2-engineer for 2-weeks.								
	Offer should include original catalogues for operation and								
	Vehicles								
	saddamMedical city								
02-06-00528	Passengers intercity staff bus .40 to 50 passengers,automatic doors				100				
02-06-00529	Passengers staff mini bus 20-30 persons ,and as above				100				
02-06-00530	Fire fighting vehicle.turntable telescopic up to 30 meters ladder				20				
02-06-00531	Fire fighting water tank vehicle of 13000 lt ,with pump 1000lt/min at				20				
02-06-00532	Mini excavator of 1 meter width 30 liters bucket,less than 25hp				20				
	5-year spare parts,inspection before contracting ,training on repair								
	10 Lot								
	EQUIPMENT: SUB - STATION								
	SADDAM MEDICAL CITY								
02-06-00533	STEPDOWN TRANSFORMER DELTA/ STAR 11000/400VOLT, 3500KVA, 50HZ,DRY				10				
02-06-00534	high-voltage switch gear				3-6				
02-06-00535	MEDIUM VOLTAGE SWITCH BORD			shall consist of	2				
02-06-00536	BUSWAYS 5000 AMP. RATING				160meters				
	totally enclosed water proof low impedance busways between								
02-06-00537	BUSWAYS, 1600 AMP. RATING.				750 meters				
	AS ABOVE BUT BETWEEN MAIN SWITCH BORD NAD the CHILLERS								
	the following conditions shall be provided for all above items								
02-06-00538	PUMPS WITH MOTORS								
	380 V/ 3PH/ 50HZ,TYPE SPLASH PROOF MOTOR								
	SADDAM MEDICAL CITY								
	MODEL	KW	HEAD (M)	FLOW (L/S)	RPM				
	12LN21	340	36	650	1440	12			
	12LN17	265	52. 5	335	1440	20			
	12LN17	224	36	372	1440	8			
	ERP80-400	150	140	30	2880	4			
	12LA2	150	25. 5	415	1440	4			
	12LA2	90	30	300	1440	6			
	10LA3	90	30	170	1440	4			
	10LA3	90	43. 3	142. 3	1440	4			
	65WP315	75	132. 5	22. 5	2880	4			
	6L3	55	32	101. 29	1440	4			
	6L3	55	52. 5	52. 24	1440	4			
	65WP315	55	103	22. 5	2880	6			
	ERP60-200	45	190	7. 57	2880	12			
	50wp315	37	103	10	2880	6			
	65WP250	37	68. 6	22. 5	2880	6			
	6L3	37	34	55. 5	1440	6			
	6L3	30	27	98. 5	1440	4			

	100WP200	30	37	43. 1	2880	4					
	80WP160	15	24	30	2880	4					
	1 ¼ TM2	15	132. 5	2. 5	2880	2					
	40WP200	11	45	7. 57	2880	4					
	40WP200	11	55	4. 36	2880	4					
	1 ¼ TM43	7. 5	68. 6	2. 25	2880	2					
	4L1	5. 5	9	30. 61	1440	4					
	100WP 200	4	11	17. 42	1440	4					
	1 ¼ TM22	4	83. 3	1	2880	6					
	3L1	3	8	15. 86	1440	4					
	3dv2	3	-	-	2880	4					
	32wpl60	1.5	14.6	2.25	2880	4					
02-06-00539	equipment : air compreesor						30				
	trolley units attas capco										
	tank capacity 20 litter										
	model of comp. : LXF 06										
	motor : 1 ph, 50 hz, 220 v , 0.55 kw										
02-06-00540	equipment : electric distribution										
	C.B type SACE,50HZ, 3PH, 660V,1600A						20				
	C.B type SACE,50HZ, 3PH, 660V,1250A						30				
	C.B type SACE,50HZ, 3PH, 660V,630A Awith motor						50				
	C.B type BBC 600,50HZ,1PH,(250-380)V,32A						800				
	C.B type BBC 600,50HZ,1PH,(250-380)V,10A						800				
	LIP-Air C.B 600V,1600A						25				
	MCCB,3P,(380-400)V,H,1600A						50				
	MCCB,3P,(380-400)V,H,1250A						20				
	MCCB,3P,(380-400)V,H,1000A						50				
	MCCB,3P,(380-400)V,H,800A						20				
	MCCB,3P,(380-400)V,H,600A						40				
	MCCB,3P,(380-400)V,H,500A						15				
	MCCB,3P,(380-400)V,H,400A						50				
	MCCB,3P,(380-400)V,H,350A						15				
	MCCB,3P,(380-400)V,H,250A						500				
	MCCB,3P,(380-400)V,H,225A						100				
	MCCB,3P,(380-400)V,H,200A						250				
	MCCB,3P,(380-400)V,H,175A						150				
	MCCB,3P,(380-400)V,H150A						60				
	MCCB,3P,(380-400)V,H,125A						60				
	MCCB,3P,(380-400)V,H,100A						250				
	MCCB,3P,(380-400)V,H,80A						100				
	MCCB,3P,(380-400)V,H,75A						70				
	MCCB,3P,(380-400)V,H,63A						150				
	MCCB,3P,(380-400)V,H,50A						120				
	MCCB,3P,(380-400)V,H,30A						250				
	MCCB,3P,(380-400)V,H,20A						150				
	MCCB,3P,(380-400)V,H,15A						150				
	ELB-GR-50-2P 220V 30A						70				
	ELB-GR-50-2P 220V 20A						70				
	ELB-GR-50-2P 220V 15A						70				
	ELB-GR-50-2P 220V 150A						70				
	MCCB 1P 220V 15A						450				
	MCCB 4P (220-380)V 400A						70				
	MCCB 4P (220-380)V 225A						70				
	MCCB 4P (220-380)V 100A						70				
	MCCB 4P (220-380)V 50A						70				
	MCCB with aux.contact and alarm contact 380V 3P 5A						70				
	as above 30A						70				
	as above 15A						70				
	as above bot 220V 2P 150A						70				
	free fuse C.B 380V wall mounted 1000A						15				
	complete star-Delta control for motor 7.5HP with air compressor 5HP						15				
	complete star-Delta motor control 100KW						10				
	complete star-Delta motor control 50KW						10				
	complete star-Delta motor control 40KW						10				
	complete star-Delta motor control 20KW						12				
	complete direct on line single stage motor starting						5				
	MCCB single phase-50A						5				
	MCCB single phase-30A						10				
	MCCB single phase-10A						5				
	H-VAC-vacum C.B HT 12KV 600A						10				
	main switch 220V 30A						50				
	main switch 380V 60A						50				
	main switch 220V 100A						50				
	main switch 220V 150A						50				
02-06-00541	magnifier						5				
02-06-00542	iron (fordrying the negatives						5				

	photo graphy										
02-06-00543	tanks for film development					10					
02-06-00544	pumps										
	type	KW	Q m ³ /hr	H / m	r.p.m	dic cm	suction cm	Qty			
	condenser pump /	11	102	22.5	1430	18cm	11cm	10			
	chiller pump / horizontal	14	81.7	33	1430	18cm	11cm	10			
	sanitary pump for 30m	11	100	30	1435	120cm	8cm	10			
02-06-00545	Boiler				10						
	sapcabloc press 3G										
	N-307447 / type 418m / 220-380V / 50HZ /			2-3KVA /							
02-06-00546	inter com system with all accessories				10						
02-06-00547	Wall clock with seconds indicator				10						
02-06-00548	telephone-intercom				10						
02-06-00549	Air compressor				50						
	compressor with tank										
	400L/M - 7Kg/cm ²										
	3.7KW 3Q 380V										
	air tank capacity :- 129 liter										
	one work other stand by - alternative working										
	insurance for system										
	spare part for 5 years										
	training for staff										
	catalog for maintenance and operation and installation										
02-06-00550	Medical oxygen units				10						
	1-compressor										
	2-air separation unit + msun										
	3-stiriling cryogenerator										
	4-500 liter storage vessel with level control										
	5-super charger with cylinder filling machine up to 150PSI										
	6-fully automatic start and stop										
	7-at least 10/minute start up										
	8-lowest energy consumption										
	9-low noise level										
	10-automatic restart after power failar										
	11-cooling system water (cooling tower) with softner or by chiller										
	12-warking machine at ambient tempretuer (50-65)c										
	13-impurity at least 99.5% medical use										
	14-produces at least (50liter lequid to70)/hour.										
02-06-00551	condensor water pump				10						
	400V 1500r.P.m 3Q 6"X6"										
02-06-00552	Mini bus				1000						
	passanger shaft mini bus 10-20 person										
	gasolen engine air conditioning and heating										
	power steern manual gear with floor shift										
	two doors on the front, one in each side with middle door in the right side										
	all around window, each side window is double and slading										
	two view mirror in each side and one internal										
	radio and cassette recorder										
	all execary should be heavy duty										
	spare part for tow years										
02-06-00553	Motor cycle				1000						
	Petrol Engine										
	Suitable size										
	Capacity of carrying:- Two persons.										
	Equipped with full accessories										

	Warranty & Maintenance for 2 years								
	Best of spare part for 2 years								
	Training for 3 technicians								
02-06-00554	Motor cycle with side vehicle				1000				
	Petrol Engine								
	Suitable size								
	Capacity of carrying:- Three persons.								
	Equipped with full accessories								
	Warranty & Maintenance for 2 years								
	Best of spare part for 2 years								
	Training for 3 technicians								
02-06-00555	garbage collection vehicle				250				
	1) basic vehicle								
	1- type : forward control								
	2- drive 4X2								
	3- engine : diesel engine water cooled								
	4- electrical equipment : 24 v 12vX2batteries 120 Ah at 20 hr								
	5- transmission : manual power assist								
	6- clutch : hydraulic control , singl dry plate with air pressure								
	7- tires :single front dual rear								
	8- steering :left hand steering ball mute type with integral type								
	9- front suspensions : laminated leaf springs with shock absorbers								
	10- rear suspensions : laminated leaf springs								
	11- front :parallel tapered channel section type with crossmember and								
	12- fuel tank :250 liters								
	13- drivers cab : all steel titl cab equipped with A/C								
	14- paint : finish coat crystal white								
	15- measurement : metric (km/h)								
	16- brakes : service :air over hydraulic with dvel circuit								
	parking : internal expanding type on propeller								
	auxiliary : exhaust brake								
	17- cooling system :radiator : corrugated fin type with pressure cap								
	fan: multi- blades steel								
	18- Caution Plate : Arabic								
	2) garbage container								
	1- container volume : (12-16) m3								
	2- container structure :suitable steel or metal								
	3- loading mechanism :- hydraulically controlled mechanical press								
	4- with full accessories for all vehicle & container								
	*training for three technicians								
	* warranty & maintenance for tow years								
	*lest of spare part for 2 years								
02-06-00556	Eleveters								
	1-technical opecifications								
	a-full electronic control sistem for operation and level selection								
	b-type of control 3V -3F,elevater continioys speed : (0.5-2.5) M/sec-								
	c-door opnning : automatic and swing according to the site biulding								
	d-emergency power supply (ups) providing necessary electric power at								
	e-ambient tempreture 0-50C and 90% hum								
	f-the system contain data terminal (pc-bored)for operation								
	g-the system contain (4)four stopping stages at final up and final								
	h-the carrieg modle from stainless-steel with smooth surface,painted								
	2-installation equipments on sites with all accesseries.								
	3-one year warranty and two years maintenance after period of								
	4-fraining on factoru for 6-technical staff x 3weeks and local traing								
	5-spare parts for 5 years								
	6-quantities as per schedule.								
	type	180 kg	500 kg	750 kg	1000 kg	1200 kg	1600 kg	2000 kg	
	passenger	-	90	90	80	-	-	-	
	bed lift	-	-	-	-	90	100	90	
	service	20	-	50	-	-	-	50	hydraulic
02-06-00557	Medical oxygen plant					200			
	_ complet liquid oxygen production plant								
	capacity: 75LIT.liquid/hour								
	purity :not less than 99.5%								
	(including an electrical analyzer on line)								
	air compressor type								
	_ oil free								
	_ reciprocating								
	_ suction temp. (50-60)c								
	_ low pressure								
	storage and filling station								
	_ one liquid storage tank (capacity:10000lits)								
	_ complete common cylinder filling plant with dual charging manifold								
	including the following (for each plant)								
	_ 2sets of instruction manuals operation and maintenanece								

	_ 2sets of spare parts catalogues								
	_ 2set of special tools								
	spare parts								
	spare parts for five years operation as recommended by the								
	guarantee								
	12 months from the date of start up								
	training								
	training of two technicians during four weeks at the factory								
02-06-00558	POWER SUPPLY								
	U.P.S								
	steady 220Vout put voltage, with NICD or sealed acid baheries,								
	1KVA							100	
	2 KVA							100	
	3 KVA							60	
	5 KVA							150	
	10 KVA							60	
	60KVA							40	
02-06-00559	cooling for operating room								
	Air conditining equipment for operating theaters as following								
	Cooling capacity								
	1- air conditining system is working with 100% fresh air								
	2- requiried room conditions								
		room temperature	20-25 Co						
		relative humidity	45-60 % r.h						
	3- ambient temp 60 Co								
	4- cooling and heating								
	5- heating electric heater direct without hot water boilers								
	air conditioning plant mainly consisty at								
	1- air cooled condensor								
	2- cold water pumps								
	3-exhaust air handing unit								
	4-of supply air ceiling system with high efficiency filter high type (s) with:								
	a- filter ceiling air outlet with high efficiency filter type (s)								
	b- control and regulation system								
	c- steam humidifier filter class (b) ,c sound absorber for supply and exhaust								
	6-spare parts for five years								
	7- training for 3 engineer in the manufacturer factory								
	capacity							qty	
	2 ton							60	
	5 ton							120	
	10 ton							60	
	15 ton							20	
	20 ton							60	
	30 ton							4	
02-06-00560	digital ISDN network							5	
	* the system consist of following no. central station (exchange) 500								
	* the communication way between the control station and the branches								
	* the system able to be connected with fier alarm system and security								
	* istallation including all necessary accissories								
	* warrenty one year from operation time								
	maintenance tow years after period of warrenty								
	* spare parts for 3 years								
	* traning on factory of equipment and local training during								
02-06-00561	specification of fire fighting system (automatic - sprinkler system)								
	design manfactre diliver and installation of an automatic roop								
	site specification :-								
	1- effective warehouse area	8000 m2	, height	10m				15	
	2- effective warehouse area	12500m2	, height	6m				10	
	3- effective warehouse area	2000 m2	, height	4.5m				20	
	4- effective warehouse area	2500 m2	, height	11m				10	
	5- effective warehouse area	10000 m2	, height	5m				10	
	6- effective warehouse area	25000 m2	, height	14m				10	
	7- effective warehouse area	20000 m2	, height	8m				10	
	the equipment requirement								
	a- all necessary pipe work fitting hanger and sprinkler heads								
	b- all necessary installation controlling valve and ander ground main to connect								
	c- pump house complete with pipe work including valves and fittings								
	d- three automatic fire pumps two electrical and one diesel driven each rated at								
	e- one culindrical galvanised steel water storge tank with an effective capacity								
	f- an electrically operated and pully automatic jockey pump								
	g- complete electrical control boards								
	h- eight pir exitination and fir caben with hose								
	I- spare parts for 3 years								
	j- warrnnty one year (label + material) and two year mantinance								
	k- training of factory of equipment for 3 technicians								
02-06-00562	transformer								
	1000 kva	, 11 kv/380 v	, 2500a, delta /star	, 50 hz	, oil cooling			40	
	2000 kva	, 11 kv/380 v	, 2500a, delta /star	, 50 hz	, oil cooling			40	

	630 kva , 11 kv /400v-240v, delta/star, 50 hz ,oil cooling		40								
	360 kva , 11kv / 400-240v, delta/star ,50hz , oil cooling		40								
	pumps										
	pump use	head m	q l/min	size	kw	volt	type	no			
02-06-00563	fire pump /fp1	90	750	100	22	380	centrifugal pump	48			
02-06-00564	lift pump /lp1	50	1400	125	22	380	centrifugal singal suction	48			
02-06-00565	lift pump /lp2	25	750	50	5.5	380	singal suction volut pump	48			
02-06-00566	chilled water pump p-2	20	6150	20x150	30	380	centrifugal pump	48			
02-06-00567	chiller water /p-3	38	2320	125x100	30	380	centrifugal pump	48			
02-06-00568	chiller water /p-4	38	4980	200x150	45	380	centrifugal pump	48			
02-06-00569	chiller water /p-5	47	4520	150x125	55	380	centrifugal pump	48			
02-06-00570	condensor water pump p-1	20	7580	200x150	37	380	centrifugal pump	48			
02-06-00571	softener pump p-11	25	160	40	2.2	380	in line pump	48			
02-06-00572	lift pump p-12	55	100	40	3.7	380	singal suction	48			
02-06-00573	make up water pump p-13	15	180	40 p2	1.5	380	centrifugal pump	48			
02-06-00574	condensor water pump p-14	15	70	65x40	1.5	380	centrifugal pump	48			
02-06-00575	circulati on hot water pump p-6	10	1410	100x50	3.7	380	centrifugal pump	48			
02-06-00576	circulati on hot water pump p-7	37	480	65x4	5.5	380	multy stage centrifugal	92			
02-06-00577	circulati on hot water pump p8	36	1250	125x2	15	380	multy stage centrifugal	92			
02-06-00578	circulati on hot water pump p-9	45	1100	100x3	15	380	multy stage centrifugal	92			
	1-give complete catalag for the pump										
	2- 5 years spare part										
	3-training for the staff										
	4-grante for one year operation										
	5-installation for one site.										

	6-the meal of the pump must be suitable to have long life with the type of									
02-06-00579	softener pump									
	kw	r.p.m	Q L/S	Hm	QTY					
	2.2	1500	5.5	15	50					
	5.5	1500	20	25	50					
02-06-00580	water pump for tower									
	kw	r.p.m	Q L/S	Hm	QTY					
	2.2	1500	7.5	12	70					
	7.5	1500	16	27	50					
	15	1500	33	25	50					
	37	1500	108	23	50					
	22	1500	75	20	60					
02-06-00581	boiler feeding pump									
	kw	r.p.m	Q L/S	Hm	QTY					
	5.5	3000	16.6	80	300					
	4.5	3000	6	13	100					
02-06-00582	chemical dosing pump/ with 500 litter tank and mixer variable flow									
	kw	r.p.m	Q L/S	Hm	QTY					
	0.3	1500	5	60	100					
02-06-00583	horizontal pump									
	kw	r.p.m	Q L/S	Hm	QTY					
	1.1	1500	2	15	100					
	5.5	3000	15	60	100					
02-06-00584	vertical pump									
	kw	r.p.m	Q L/S	Hm	QTY					
	2.2	3000	7	50	100					
	4	3000	3	85	100					
02-06-00585	circulation pump									
	kw	r.p.m	Q L/S	Hm	QTY					
	2.2	1500	5.5	25	300					
	5	3000	3	8m (hot water)	50					
02-06-00586	submersible pump									
	kw	r.p.m	Q L/S	Hm	QTY					
	3	3000	3.5	15	300					
	7.5	1500	20	15	300					
	22.5	3000	125	13	100					
02-06-00587	fire pump									
	kw	r.p.m	Q L/S	Hm	QTY					
	0.75	3000	1.5	60	100					
	5.5	1500	21	35	300					
	37	3000	33	66	100					
02-06-00588	water pump for heating									
	kw	r.p.m	Q L/S	Hm	QTY					
	2.2	1500	12	21	100					
	5.5	1500	10	25	100					
	7.5	1500	82	15	100					
	11	1500	28	22	100					
	15	1500	18	45	100					
	18.5	1500	36	33	100					
	ware house requierment									
02-06-00589	folding end trolleys capacity 150 kg								200	
02-06-00590	manual and electricric stackers capacity 250 kg								40	
02-06-00591	folding work shop caranes capacity 1000 kg at 1 m								40	
02-06-00592	cylinder trolly capacity 200 kg								100	
02-06-00593	sterilizing water for theter room ultraviolet water purifiers								400	
	Water sterilizing system to treat water for theater rooms. The system									
	_ Installation of the system,									
	_ 2 years full warranty,									
	_ 3 years maintenance post warranty period,									
	_ training of professionals at the manufacturer factory (ies), and									
	_ Local training of staff.									
	The offer should include a detailed priced list of recommended spare									
	An irrecoverable complete sample system should be delivered along									
	The system should be composed of the following units;									

	A. A pretreatment filtration unit of (2-3) stages with the final						
	B. Compact water softener (50% OF Qty).						
	C. UV sterilization unit with adequate power to insure efficient						
	_ be of stainless steal,						
	_ have quick lamp change,						
	_ have lamp life not less than 8000-10000 hours of continuous						
	_ Have UV intensity sensor and control unit with indicator light.						
02-06-00594	VEHICLE PICK-UP DOUBLE CABIN			1000			
	1. PETROL ENGINE WATER COOLED						
	2. MANUAL GEAR BOX, FLOOR SHIFT						
	3. STEERING POWER STEERING LEFT HAND DRIVE						
	4.ELECTRICAL EQUIPMENT'S: BATTERY 12V-60AMP HEAVY DUTY						
	5.AIR-CONDITIONING FOR DRIVER CABIN (HEATING AND COOLING)						
	6. SUSPENSION: HEAVY DUTY						
	7. TIRES WITH TUBES: SUITABLE FOR DIFFERENT ROADS (HIGH QUALITY)						
	8. CABIN: SINGLE CABIN WITH DOOR IN EACH SIDE.						
	9. MIRRORS: TO BE EQUIPPED WITH TWO SIDES MIRRORS AND ONE INSIDE						
	10.ACCESSARIES: TO BE EQUIPPED WITH JACK + WHEEL WRENCH + HAZARD						
	11.LOADING CAPACITY: FROM (1-2)TONS						
	12.ALL MATERIALS INSERTED IN THE CONSTRUCTION OF THIS CAR IT WILL BE						
	13.MAINTEMANCE FOR ALL VEHICLES FOR TWO YEARS ON ACCOUNT OF THE						
02-06-00595	digital camera				10		
02-06-00596	data show				10		
02-06-00597	MCR FUMIGATOR				16		
	empty wieght 7KG						
	diamination :- 35x32x36 cm						
	tention 220V						
	power 100watt						
	capacity:- 1 liter (formaldhad)						
02-06-00598	air handlig unit				12		
	capaseity = 10 - 15 ton						
	RPM = 1500 - 3000						
	HP = 7 lflew rete = 30m ³ /hr						
	No. of Row 3						
	heating =hot watr						
	type of filter = Mesh type (G.S) sheet washable						
	Volt = 380V / 3pH / 50HZ						
02-06-00599	air handlinunit				12		
	capacity = 80ton heating hot watir						
	no. of row = 3						
	HP=25						
	R.P.M =1500 - 3000						
	type of filter = Mesh type (G.S) sheet- washable						
	Volt = 380V / 3pH / 50HZ						
02-06-00600	air handlinunit				12		
	capacity = 30ton						
	heating =hot watr						
	flow rett=23000M ³ /hr						
	No. of Row 3						
	HP = 15						
	RPM = 1500 - 3000						
	Volt = 380V / 3pH / 50HZ						
	type of filter = Mesh type (G.S) sheet- washable						
02-06-00601	capacity = 20ton				10		
	HP = 7.5						
	heating =hot watr						
	No. of Row 3						
	R.P.M =1500 - 3000						
	type of filter = Mesh type (G.S) sheet- washable						
	Volt = 380V / 3pH / 50HZ						
02-06-00602	air handlig unit for operating theater room						10A.H. U
	type / wiss technick						
	capacity = 50ton						
	heating = heater for (A and B)						
	A - HP = 3/10.5						
	flow = 2500 / 4250M ³ /hr						
	B - HP = 1.5/5.5						10AHU
	flow = 1500/ 3250 M ³ /hr						
	R.P.M for A and B = 1500/ 3000						
	NO. of ROW for (A and B)=3						
	three type of filter for (A and B)						
	a -bag filter (washable						
	b -mesh typy (washable) G.S						
	C- absolute filter 99.9%						
	volt = 380 V/ 3 PH / 50HZ						
02-06-00603	A .H. U						25

	ctm=14800ctm								
	HP= 8.5HP								
	heating=hot water								
	RPM= 1500/ 3000								
	volt = 380V / /50HZ								
	feltr = mesh tepe (washable)(G.S)								
	A .H. U								
	HP	V	QTY	flow M^3/hr	type of filter				
02-06-00604	2	380/3ph/50hz	5	31 50	mesh type (washable)				
02-06-00605	7.5	380/3ph/50hz	5	8160	mesh type (washable)				
02-06-00606	7.5	380/3ph/50hz	5	9960	mesh type (washable)				
02-06-00607	7.5	380/3ph/50hz	5	7990					
02-06-00608	7.5	380/3ph/50hz	5	8560					
02-06-00609	3.o	380/3ph/50hz	5	3080					
02-06-00610	7.5	380/3ph/50hz	5	3080					
02-06-00611	10	380/3ph/50hz	5	7250					
02-06-00612	7.5	380/3ph/50hz	5	4000					
02-06-00613	7.5	380/3ph/50hz	5	4000					
02-06-00614	20	380/3ph/50hz	5	16190	mesh type (G.S)				
02-06-00615	7.5	380/3ph/50hz	5	6800	mesh type (G.S)				
02-06-00616	7.5	380/3ph/50hz	5	4400	mesh type (G.S)				
02-06-00617	40	380/3ph/50hz	5	31700	mesh type (G.S)				
02-06-00618	30	380/3ph/50hz	5	31005	mesh type (G.S)				
02-06-00619	25	380/3ph/50hz	5	33030	mesh type (G.S)				
02-06-00620	15	380/3ph/50hz	5	19500	mesh type (G.S)				
	heating = hot water								
	RPM = 1500 - 3000								
	NO.of row = 3								
02-06-00621	FIER ALARM SYSTEM								
	a)specification :								
	1- the system should be 2- wire installation								
	2- the system should be able to be connected to data network or telephone exchange and recorder								
	3- the system should contain repeaters for stopping air conditioning and spare								
	4- each zone contain about 20 delectors and one glass break unit								
	5- the system should contain one central control and indication unit and branchs units								
	6- each system contain PC unit for operation and maintenance and programing if necessary								
	7- the detectors should be from smoke heat and temp rise type								
	b) quantities :								
	no. of system								no. of zone
	100								20
	150								40
	100								60
	100								80
	100								120
	c)								
	1- one year warrenty from date of operation and tow years maintenece after period of warrenty								
	2- spare partes for 5- years								
	3- full sets of ducomants and catalogues and diagrams								
	4- training on factory of equipment and local training during installation								
	MEURO - SURGERY CENTER								
	LUNDRY EQUIPMENT								
02-06-00622	side loading washer 50 kg								120
02-06-00623	centrefugal extractor 30 kg/load								80
02-06-00624	drying tembler 25 kg/load								80
02-06-00625	canvas truck								240
02-06-00626	strach cooker								40

	RE NO.	location	air capacity m3/hr	no. req	pressure drop mm.w.h	input kw	electric v/ph/hz		
02-06-00670	RE-16	A"	1460	10	4	0.12	220/1/50		
02-06-00671	RE-17	B	1300	10	3	0.065	220/1/50		
02-06-00672	RE-18	B	12000	10	10	1	380/3/50		
02-06-00673	RE-19	B	3400	10	7	0.3	220/1/50		
02-06-00674	RE-20	B	2210	10	7	0.3	220/1/50		
02-06-00675	RE-21	B	1530	10	5	0.2	220/1/50		
02-06-00676	RE-22	B	1020	10	5	0.2	220/1/50		
02-06-00677	RE-23	A`	2430	10	5	0.5	220/1/50		
02-06-00678	RE-24	A"	1785	10	5	0.5	220/1/50		
02-06-00679	RE-25	A"	3100	10	5	0.75	220/1/50		
02-06-00680	RE-26	A"	340	10	3	0.3	220/1/50		
02-06-00681	RE-27	A"	1445	10	5	0.5	220/1/50		
02-06-00682	RE-28	A"	3215	10	5	0.5	220/1/50		
02-06-00683	RE-29	A"	2516	10	5	0.5	220/1/50		
02-06-00684	RE-30	A"	1600	10	3	0.3	220/1/50		
02-06-00685	RE-31	A"	1900	10	3	0.5	220/1/50		
02-06-00686	RE-32	A"	2265	10	3	0.5	220/1/50		
02-06-00687	RE-33	A"	1700	10	3	0.5	220/1/50		
02-06-00688	RE-34	A	1657	10	3	0.3	220/1/50		
02-06-00689	RE-35	A` ,A`	1000	20	3	0.3	220/1/50		
02-06-00690	hood								
		stainless steel hood used for laboratory to be installed above sterilizer with following dimension 1500x600							20
02-06-00691	water cooler							100	
		40 l/h cooled to 10 c							
		electric supply 220/1 ph/50							
		stainless steel ,anti-splash top equipped with non-clogging and easy to clean integral strainer grid the tank							
02-06-00692	window type 2 ton with heater capacity 3.6 kw							30	
02-06-00693	window type 1.5 ton with heater capacity 3 kw							30	
02-06-00694	window type 1 ton with heater capacity 2.6 kw							50	
02-06-00695	split unit 2 ton with heater capacity 3.6 kw							30	
02-06-00696	x-ray window 1.5x1.2m w/load glass							30	
02-06-00697	x-ray door fram 1.8x2.35 m w/load shielding							30	
02-06-00698	x-ray door fram 0.9x2.1 m w/load shielding							30	
02-06-00699	drinking water storage tank made of hot pressed steel plate of dimension (1.22x1.22) and thickness of not less								
	(7.32x4.88x2.44) m							5	
	(4.88x2.44x2.44)m							5	
02-06-00700	inclarator of 300 kg /hr							5	
02-06-00701	BED MADE UINT							36UINT	
		each one of bed hade unit comprifing the following							
		* general light 40 w with lamp							5
		* read light 20 w with lamp							5
		*cord pull switch with lamp for nurse call station							5
		* intercom unit							5
		* doubl switch socket 13A							5
		*exam light with lamp							5
		*extra examenstion light with lamp shipt 44 seperatly							100
02-06-00702	cold room							40	
		temp.: -20C to +20 C							
		dimention (H 2.5 m- W3 m- L3m)							
		cold room 2 stage unites							
02-06-00703	santiry hot water with hot pump								
		power 3kw , rev 1450 sec , suction 79 mm, discharge 64mm, capacity 14 l/min , head 30m							20
02-06-00704	SPECIFICATIONS FOR TANK TRUCK							500	
		(GAS OIL - CESSPOOL EMPTIER DRINKING WATER)							
		1) Truck Specification							
		1- Type : Forward control							
		2- Drive sys. 4 X 2							
		3- Loading Cap. (10.000 liters Gas oil)							
		(8.000 liters cesspool emptier)							
		(10.000 liters drinking water)							
		4- Dimensions							
		Wheel base about 4.100 mm							
		Overall length about 7.535 mm							
		Overall width about 2.480 mm							
		5- Engine : Diesel engine water cooled							
		6- Electrical eq. : 24 Volt, 12 volt X2 Batteries, 120 Ah at 20 hr							
		7- Transmission : Manual Power assist							
		8- Clutch : Hydraulic control, single dry plate with air pressure assistance.							
		9- Tires : Single Front, dual rear							
		10- Steering : Left hand steering, Ball mute type with integral type hydraulic power booster, Telescopic and							
		11- Front suspensions: Laminated leaf springs with shock absorbers							
		12- Rear Suspensions : Laminated leaf springs							
		13- Front : Parallel, Tapered channel section type with cross - member and reinforcements							
		14- Fuel Tank : 250 liters							
		15- Drivers Cab : All steel, tilt cab equipped with A/C							

	16- Paint : Finish coat, Crystal white								
	17- Measurement : Metric (Km/h)								
	18- Caution Plate : Arabic								
	19- Brakes :								
	Service : Air over hydraulic with dval circuit								
	Parking : internal expanding type on propeller shift								
	Auxiliary : Exhaust brake								
	20- Cooling system :								
	Radiator : corrugated fin type with pressure cap and surge tank								
	Fan : Multi - blades, steel								
	2) TANKS : Specifications								
	A - Gas Oil Tank								
	* Capacity: 10.0 KL. Gas Oil								
	* Type : Elliptical cross sectioned cylindrical tank								
	* Tank construction: tank assembly of elliptical shape, constructed with steel plate by electric welding								
	* Loading and emptying : emptying by pumping or gravity pump capacity 600 liters/min at 600 r.p.m								
	* Attachments :								
	a- Hose locker			Two, both sides of tank shell					
	b- Ladder			One, at left side in rear of tank					
	c- Tool box			One, mounted on frame					
	d- Bumper			One ,rear end of chassis frame					
	e- Fire extinguish			Two, both side of vehicle					
	f- Earth reel			One, at left side of vehicle					
	g- Earth chain			One, at rear of vehicle					
	h- Muffler with spark arrested			One, provided at front side of vehicle					
	* Accessories :								
	a- Hose (for suction or delivery) 63mm X 3mm							2 PCS	
	b- Hose wrench							2 PCS	
	* Dip stick is Marked on every 1000 liters								
	B- Cesspool Emptier Tank								
	* Cap : 8000 Liters								
	* Type : Elliptical cross sectioned cylindrical tank								
	* Tank construction : Tank assembly is elliptical shape, and constructed with steel plate by electric welding								
	* Loading and emptying : By vacuum pump (by increasing or decreasing tank pressure).								
	Pump capacity : 2.790 lit/min at 500 r.p.m								
	* Equipment :								
	a- Delivery hose			75mm dia x 6m				1 PC	
	b- Suction hose			65 dia x 10m				1 PC	
	c- Tool box			one mounted on frame					
	* Color : Finish coat, crystal white								
	C - (Drinking Water Tank)								
	* Capacity : 10.0 KL Drinking water								
	* Type : Elliptical cross sectioned cylindrical tank								
	* Tank construction : tank assembly of Elliptical shape, constructed with stainless plate by electric welding								
	And the tank has the parts and equipment that is necessary in the use and carrying the drinking water								
	* Loading and emptying:								
	Loading by pumping and by normal feeding from upper manhole								
	Emptying : by pumping and by gravity								
02-06-00705	over head projection								20
02-06-00706	slide projection								20
02-06-00707	flower making machine								20
	flower making machine with spaer parts warranty 2 years maintenance two years capacity one ton per hours								
02-06-00708	grain crushing mashine mashine								20
	grain crushing mashine mashine with four different pore size sleeve capacity one ton per hour (1000KG/HR)								
02-06-00709	mixer								20
	mixer capacity (1000 KG/HR)								
02-06-00710	oven								30
	oven with fan- hot air for drying animal food medium size								
02-06-00711	pasute making machine								20
	pasute making machine capacite 100 KG/HR								
02-06-00712	hot water boiler 2.5 ton /hr								20
02-06-00713	sealed-acid battery 70A/H/long life								1200
02-06-00714	sealed-acid battery 135A/H-long life								30000
02-06-00715	sealed-acid battery 200A/H-long life								1000
02-06-00716	Ni-cd-battery 6A/H 6V								400
	Targeted Nutrition Programme								
02-06-00717	field vehicle Transportation of supplies and Monitoring / supervision of the programme 200 (2 cars /								400 each
02-06-00718	Computer (1 per govermorat , 2 of Baghdad and 4 for NRI) to improve CCCU/PHC database								40each
02-06-00719	Fork lift 3 ton (to be used storage places at Govermorate for high protein biscut and therapeutic								40each
02-06-00720	Motorcycle (one for each PHC center for monitoring at field level)								2000 each
02-06-00721	electric cooking heater (for use at PHCs)								6,200 each
02-06-00722	ceiling fans (for use at PHCs/CCCU)								6,200 each

02-06-00762	EX.11	A"-ground	axial wall mounted	1900	10	4	0.4	1/220/50
02-06-00763	EX.1	C1	propellen	2550	10	4	0.2	1/220/50
02-06-00764	EX.2	C2	propellen	1100	10	0	0.1	1/220/50
02-06-00765	EX.3	A"	propellen	850	10	3	0.1	1/220/50
02-06-00766	EX.5	doct	propellen	1000	10	0	0.08	1/220/50
02-06-00767	EX.4	general	propellen	500	80	0	0.07	1/220/50
ROOF EXTRACTOR SCHEDULE								
02-06-00768	RE-5	A"-first	roof extrachter	1600	10	8	0.5	220/1/50
02-06-00769	RE-6	A"-first	roof extrachter	500	10	5	0.2	220/1/50
02-06-00770	RE-25	A"-ground	roof extrachter	1800	10	8	0.5	220/1/50
02-06-00771	RE-26	A"-ground	roof extrachter	700	10	5	0.4	220/1/50
02-06-00772	RE-27	A"-first	roof extrachter	1300	10	5	0.4	220/1/50
02-06-00773	RE-36	A"-first	roof extrachter	500	10	3	0.1	220/1/50
02-06-00774	RE-17	B-ground	roof extrachter	300	10	5	0.2	220/1/50
02-06-00775	RE-18	B-ground	roof extrachter	1200	10	15	2	3/380/50
02-06-00776	RE-19	B-ground	roof extrachter	3400	10	12	2	3/380/50
02-06-00777	RE-20	B-ground	roof extrachter	2210	10	12	2	3/380/50
02-06-00778	RE-21	B-ground	roof extrachter	1530	10	10	2	1/220/50
02-06-00779	RE-22	B-ground	roof extrachter	1020	10	8	0.7	1/220/50
02-06-00780	RE-23	A"-ground	roof extrachter	2430	10	7	0.7	1/220/50
02-06-00781	RE-35	A"-ground	roof extrachter	1000	10	6	0.7	1/220/50
02-06-00782	RE-34	A"-ground	roof extrachter	500	10	5	0.5	1/220/50
02-06-00783	battery charger							
	24 VDC/ UP TO 100 AMP							200
	12 VDC/20 A							100
	110 VDC/60A							40
	(12 - 96) VDC/10A							10
	variable (12-48)V / UP to 60 A							50
02-06-00784	kerosene refrigertor 13ft							10
02-06-00785	kerosene refrigertor 16ft							10
02-06-00786	telephone exchange system							5
	capacity :- 50 line							
02-06-00787	water treatment plans							3
	first :plan componemts							
	1- primary water tank (1m^3)							1
	2- duplex primary water pumps (6m^3/h,2.5bar							2
	3-pirmary filters (25u)							6
	4-duplex water softeners (cataionic,5m^3/h)							2
	5-seconddry filters (5u)							6
	6-duplex revers osmosis units (750L/hr)							2
	7-stainless steel final tanks 1.5m^3							1
	8-duplex finaly water pumps (6m^3/h , 2.5 bar)							2
	9-distillation water electrical system (750L/hr)							1
	second:special conditions							
	1-seller should install , operate and check the plant							
	2-seller should supply 5 - years spare parts							
	3- seller should supply operation and maintenance catologes							
	4- seller should train the technical staff during installation and intiol start-up in site and factory							
02-06-00788	fire water pump							
	typ	power	REV	sec	suction MM	disharge MM	capacity L.S	head M
	horizontal	3	1500		73.2	73.2	5 L.S	15m
02-06-00789	water pump for tank							
	typ	power	REV	sec	suction MM	disharge MM	capacity L.S	head M
	horizontal	0.75	1500		24.4	24.4	1.5 L.S	15m
	electrical distribution							
	item	no. of phases			no. of polese		voltage	amper
02-06-00790	circuit breaker	3			4		380V	60A
02-06-00791	contractor				4		380v	60A-40A
02-06-00792	over load				3		380v	60A-40A

02-06-00793	switch			380v	60	
02-06-00794	oxygen supply station and equipment				10	
02-06-00795	flometer oxygen center : adapter				40	
02-06-00796	telephone instrument					
	telephone instrument:- analogve type using both tone and pulse dialing ,suitable for electronic and cross bar				10000	
	fan coil unit					
	No. of fan	No. of motor	type of fan coil unit	water temp. (in-out)c	capacity (ton)	Qty.
02-06-00797	2	1	chiding horizontal	90	20	16
02-06-00798	21	21	chiding horizontal	(6 - 10) , (15 - 20)	(1/4)	120
02-06-00799	2	1	chiding horizontal	(8 - 12)	(2-3)	84
02-06-00800	2	1	chiding horizontal	(8-6) , (58-60)	550m^3/h	684
02-06-00801	2	1	chiding horizontal	-	1	400
02-06-00802	motor control board					
	complete motor control board , 3ph , star - delta starting with all nessecery contacters and fuses and					
	3.5KW					50
	4.5KW					50
	5.5KW					50
	15KW					50
	11.5KW					50
	55KW					50
	75KW					50
	22KW					100
	30KW					50
02-06-00803	briller type writer					200
	german type (portable)					
02-06-00804	record cassette japanese from (60) minate					1000
02-06-00805	record cassette (with out radio) japanese origin or european origin					200
02-06-00806	full set of kits for repairingmaintainins equipment (microelectronic equipment) hearing aids					20
02-06-00807	computer screen for weak resion person (weak sighted)					10
02-06-00808	duplicator recorder cassette					10
02-06-00809	electrical fitting					
	required matrial		power	voltage	size	qty.
	fluoresent		35W	220V	TLD 4x35	1000
02-06-00810	chilled water pump					
	kw	r.p.m	Q L/S	Hm	QTY	
	4	1500	41	7.5	40	
	5.5	1500	20	20	100	
	11	1500	27	35	60	
	15	1500	30	30	60	
	22	1500	65	24	40	
	30	1500	42	42	200	
	20	3000	45	24	5	
02-06-00811	water pump forsenitary (hot water)					
	kw	r.p.m	Q L/S	Hm	QTY	
	3	3000	8.3	32	50	
	5.5	1500	7	35	50	
	11	3000	5.5	50	20	
02-06-00812	water pump for tank					
	kw	r.p.m	Q L/S	Hm	QTY	
	0.75	3000	1.5	60	500	
	3	1500	5	30	200	
	5.5	1500	10	30	100	
	7.5	1500	40	20	20	
	15	1500	16.6	44	50	
	22	1450	28	40	20	
	7.5	3000	1.25	85	25	
02-06-00813	1) <u>Galvanized Steel Pipes And Fittings</u>					
	Galvanized steel pipes and fitting conforming to BS 1387 or equivalent with 10 bar working pressure, Flange shall be conforming to B.S 4504 part 1.					
	1-1) Piping:- O 15 mm (6m length /piece)				Pieces	2500
	O 20 mm				=	2000
	O 25 mm				=	1500
	O 32 mm				=	1000
	O 40 mm				=	1000
	O 50 mm				=	1500
	O 65 mm				=	1000
	O 75 mm				=	1000
	O 100 mm				=	500
	1-2) Ditto:- but with 15 bar working pressure					
	O 100 mm (6m length / piece)				Pieces	500
	O 150 mm				=	300

02-06-00814	<u>2) Copper Pipes And Fittings</u>									
	2-1) Copper tubes and compression or capillary fittings to BS 2871 part 1 table x									
	O 10 mm								M.L	5000
	O 15 mm								=	7500
	O 22 mm								=	7500
	O 28 mm								=	7500
	O 35 mm								=	5000
	O 42 mm								=	5000
	O 54 mm								=	5000
	O 67 mm								=	5000
	O 76.1 mm								=	6000
	O 108 mm								=	4000
	O 159 mm								=	3500
	2-2) Ditto:- but to BS 2871 part 1 table T with fittings									
	O 35 mm								M.L	3000
	O 42 mm								=	3000
	O 54 mm								=	5000
	O 67 mm								=	4000
	O 76.1 mm								=	4000
	O 108 mm								=	3500
02-06-00815	<u>3) Ductile Iron Pipe And Fittings</u>									
	Ductile iron pipes and fittings according to BS 4772 jointing should be flanged type with rubber gasket with									
	O 75 mm (6 m length / piece)								Pieces	500
	O 100 mm								=	750
	O 125 mm								=	750
	O 150 mm								=	1000
	O 200 mm								=	2000
	O 250 mm								=	1500
	O 300 mm								=	1500
	O 350 mm								=	1500
	O 400 mm								=	1000
02-06-00816	<u>4) Cast Iron Pipes And Fittings</u>									
	4-1) Socketless cast iron pipes and fittings in accordance with BS 437 or equivalent for drain pipes and fittings complete with coupling and rubber									
	O 50 mm (3m length / piece)								Pieces	1000
	O 75 mm								=	500
	O 100 mm								=	1250
	O 150 mm								=	1000
	O 200 mm								=	1000
	O 250 mm								=	1200
	O 300 mm								=	750
	4-2) Ditto, but conform to BS 416 for soil, waste and ventilation									
	O 50 mm (3m length / piece)								Pieces	750
	O 75 mm								=	500
	O 100 mm								=	1000
	O 150 mm								=	500
	O 200 mm								=	350
	4-3) Ditto, but conform to BS 460 for roof drainage									
	O 75 mm (3m length / piece)								Pieces	250
	O 100 mm								=	750
	O 150 mm								=	300
	4-4) Ditto, but for roof outlets									

	14-1) Flow rate 30 m3/hr						No.	1
	14-2) Flow rate 60 m3/hr						No.	1
02-06-00827	<u>15) Activated carbon Filters</u>							
	Ditto , but with activated carbon beds with 10 bar working pressure							
	15-1) Flow rate 25 m3/hr						No.	1
	15-2) Flow rate 50 m3/hr						No.	1
02-06-00828	<u>16) Cast iron adaptor</u>							
	16-1) Cast iron (mentioned in item 4) adaptor to be connected with upvc pipes conform to BS 4514 .							
	50 mm						Nos	100
	75 mm						Nos	80
	100 mm						Nos	100
	150 mm						Nos	60
	200 mm						Nos	45
	16-2) Ditto but be connected with pvc pipes							
	50 mm						Nos	150
	75 mm						Nos	75
	100 mm						Nos	90
	150 mm						Nos	50
02-06-00829	<u>17) Flexible Hose</u>							
	17-1) Rubber flexible hose used for connection between sanitary fixture and feeding water pipes :- working pressure 3.5 bar diam 15 mm							
	17-2) Ditto, but copper hose working pressure 7 bar diam 15 mm							
							Nos.	300
							Nos.	500
02-06-00830	<u>18) Sanitary Fixtures</u>							
	Vitrus china (or equivalent) sanitary fixtures of white colour .All fixtures shall be of the best							
	18-1) Eastern style wc (100 mm s trap) supplied with vitrus china cistern of 14 lit capacity							
	18-2) Ditto , but "P" trap							
	18-3) Ditto , but western style wc supplied with cast iron cistern of 14 lit-capacity complete with							
	18-4) Ditto ,but wash basin complete with vitrus china stands, shelves and soap trys.All the							
	25mm chromium bottle (or"p") trap							
	15mm chromium plated mixer and 3.5 bar resisting pressure							
	18-5) Ditto ,but bedit complete with:-							
	- 40 mm chromium plated bottle trap (or 'P')							
	- 15 mm chromium mixer and 3.5 bar resisting pressure.							
	18-6) Cast iron shower tray , complete with 15 mm chromium plated mixer with 15 mm flexible chrom.							
	- Tray size 800x800							
	18-7) Ditto, but bath tub , complete with							
	15 mm chromium tube with 15 chromium tube with head shower .The bath shall be provided with MM 15							
	18-8) Ditto as 18-5, but for urinal complete with							
	- 9 lit vitrus china automatic cistern complete with flushing pipe							
	- 32 mm chromium plated bottle trap ('p' trap)							
	- partitions							
							Nos	60
02-06-00831	<u>19) Grease+B778+B753 Trap+B742+B726</u>							
	Cast iron grease trap with 100 MM mm outlet with access at ground level, supplied with single seal cover and							
							Nos	30
02-06-00832	<u>20) Covers and Frames</u>							
	20-1) Medium duty double sealed cast iron cover and frames with the following size :							
	REF! C25525 mm							
	- 600 x 450 mm							
	- 900 x 600 mm							
	20-2) Ditto, but heavy duty							
	- Diam 550 mm							
	20-3) Ditto, but heavy medium grating and frames							
	600 x 450							
	20-4) Ditto, but for Hydrant cover and frame							
	500 x 350							
	20-5) Ditto, but special purpose covers and frames have a single seal and supplied with 4 brass							
	The top is recessed for filling to material match the surrounding surfaces.							
	20-6) Ditto, but roadway gratings and frames							
	500 x 350							
	20-7) Ditto, but heavy duty cast iron channel grating , supplied with lugs cast at 30 cm centers.							
	Size 100 x 30 cm							
							Nos.	500
02-06-00833	<u>21) Pillar Fire Hydrant</u>							
	21-1) A pillar fire hydrant consists of a body equipped with "3" nozzles , one forward 100 mm and two							
	21-2) Ditto, but consists of 2 nozzels 80 mm forward nozzel and 65 mm side way nozzel							
	21-3) Ditto , but fire and washing hydrant consists of iron body . The box enclosing on outlet nozzel							
	80 mm hydrant							
	65mm nozzel							
							Nos	50
02-06-00834	<u>22) Hose Reel & Wet Riser / Cabinet</u>							
	22-1) Hose reel cabinet accomodates a manually or automatically operated swinging hose reel which can							
	Door have right opening and swing through a full 180 :							
	Size :- 1350 x 810 x 355 mm							
	Construction :- steel . Door panel shall be provided with stainless steel finger panel							
	Capacity :- 30 x 19 mm dia							
	Nozzle :- jet (hose reel)							
	Pressure:- max. operation pressure 10 bar							
	22-2) Ditto, swinging open wall hose reel							
	Diam:- 560 mm							
	Overall height:- 610 mm							
							Nos.	25

	width:- 250 mm								Nos.	10
02-06-00835	<u>23) Dimener lized water</u>									
	Full automatic , Duplex Dimenerlizer complete									
	with necessary accessories such as piping ,									
	regulating valves ,valves , flow meters , pressure									
	gauges complete with control panel ...etc.									
	- flow meter 25 m3/hr									
	- inlet pressure 1.5 bar									
	- working presure 10 bar							set		1
02-06-00836	<u>24) Distilled Water</u>									
	Ditto , but Duplex Distiller , but of flow rate									
	20 m3/hr							set		1
02-06-00837	<u>Centrifugal Water Chiller</u>									
	<u>Type</u> - Centrifugal , water cooled									
	<u>Compressor and motor</u>									
	The compressor - motor combination shall be Hermatic									
	construction complete with starter and capacitor for									
	power factor correction .The motor power is 3-phase									
	380 volt, 50 HZ with main power factor of 0.91 at full									
	load									
	<u>Cooler and Condenser</u>									
	Cooler and condenser shall be shell and tube designed for									
	(10) atm water side working pressure									
	<u>Control Panel</u>									
	Automatic control panel shall be electronic type including									
	all safety devices.									
	<u>Evaporator Data</u>									
	Fouling factor =0.0002									
	m2.hr.Cú/Kcal									
	Ent. Water temp . =11.6Cú									
	Leav. Water temp . =6 Cú									
	Max. water pressure drop =6 M.water Gauge									
	<u>Condenser Data</u>									
	<u>Fouling factor= 0.0004</u>									
	m3.hr.Cú/kcal									
	Ent. Water Temp = 29.4 Cú									
	Leav. Water Temp =35 Cú									
	Max. water pressure drop =7 M.water Gauge									
	Capacity									
	1200 000 kcal/hr								4	Nos.
	(400 ton)									
02-06-00838	<u>Hot Water Boiler</u>									
	<u>Type IN LINE</u>									
	Electric									
	<u>Tank</u>									
	shall be constructed from low carbon steel - working									
	pressure 7.5 bar									
	<u>Heating</u>									
	Elements shall be of immersion type copper sheath of									
	11.6 watt/cm2 max.density									
	<u>Control</u>									
	proportional temperature control with multi - step control									
	complete with control board and all safety devices									
	capacity 650 kw								Nos	4
02-06-00839	<u>Pumps</u>									
	<u>Type</u>									
	End - section centrifugal oase mounted , direct coupled									
	<u>Impeller Material</u>									
	Bronze									
	Shaft material									
	stainless steel									
	seal -Mechanical									
	<u>Motor</u>									
	squirrel cage, drip proof type 1450 R.P.M									
	<u>Base Material</u>									
	cast iron or welded steel									
	chiled water pump capacity 61 L/S									
	Head 45 m								Nos.	4
	Hot water pump capacity 14 L/S									
	Head 42 m								Nos.	4
	Condenser water pump									
	capacity 76 - L/S									
	Head 18 m								Nos.	4

	900 x 200									Nos.	100	
02-06-00846	<u>Exhaust Air Valve</u>											
	shall be aluminum white colour											
	complete with counter frame nominal diameter mm											
	Diam. 100									Nos.	20	
	Diam. 150									Nos.	20	
02-06-00847	<u>Piping</u>											
	Black steel class B,schedule 40,with 10.5 Kg/cm2, seamless with fittings.B432											
	pipe size(mm diam.)											
	300									M.L	500	
	250									M.L	1000	
	200									M.L	1000	
	150									M.L	2000	
	125									M.L	2000	
	100									M.L	3000	
	80									M.L	3000	
	65									M.L	3000	
	50									M.L	5000	
	40									M.L	5000	
	32									M.L	5000	
	25									M.L	5000	
	20									M.L	5000	
	15									M.L	5000	
02-06-00848	<u>VALES</u>											
	cast iron gate valve with flanges 10.5 kg/cm2											
	250 mm									Nos.	50	
	200 mm									Nos.	60	
	150 mm									Nos	60	
	125 mm									Nos	60	
	100 mm									Nos	60	
	80 mm									Nos	40	
	65mm									Nos	40	
	Bronze gate valve serewed end- non-rising stem											
	50 mm									Nos	100	
	40mm									Nos	100	
	32 mm									Nos	100	
	25mm									Nos.	100	
	20 mm									Nos.	100	
	15 mm									Nos.	200	
02-06-00849	<u>Galvanized sheet steel</u>											
	Galvanized sheet steel (duct material)											
	U.S steel gouge											
	18									TON	25	
	20									TON	50	
	22									TON	50	
	24									TON	25	
02-06-00850	<u>Duct thermal insulation</u>											
	fiber glass.flexible blanket type.25mm thick with vapour barrier consisting of 0.05mm aluminium : foil										M ²	100 000
	reinforced with kraft paper and glass fibre .Density of 24 kg per cubic meter											
02-06-00851	<u>Pipe insulation</u>											
	sectional fibre glass with aluminum density of 48 kg/m3, factor applied vapour barrier jacket of minimum											
	insulation nominal thickness											
	<u>Bore(mm)</u>										<u>mm</u>	
	up to 65										25	
	80-150										40	
	200 and larger										50	
	size (mm diam.)											
	300									M.L	500	
	250									M.L	1000	
	200									M.L	2000	
	150									M.L	2000	
	125									M.L	3000	
	100									M.L	3000	
	80									M.L	3000	
	65									M.L	5000	
	50									M.L	5000	
	40									M.L	5000	
	32									M.L	5000	
	25									M.L	5000	
	20									M.L	5000	
	15									M.L	5000	
	CABLES & WIRES											
02-06-00852	<u>A) Power cables: -</u>											
	Low tension cables stranded copper											

	conductors, PVC insulated, all cores color								
	colour coded PVC inner sheath, high 600/1000 V								
	impactPVC outer sheath black, rated voltage								
	voltage 600/1000Vgenerally to BS 6346								
	or to VDE 0271 NYY-J 0.9.86.								
	A-1)	4 x 2.5 mm ²	NYJ-J					M.L	5000
	A-2)	4 x 4 mm ²	NYJ-J					M.L	5000
	A-3)	4 x 6 mm ²	NYJ-J					M.L	5000
	A-4)	4 x 10 mm ²	NYJ-J					M.L	5000
	A-5)	4 x 16 mm ²	NYJ-J					M.L	5000
	A-6)	3 x 25 + 16 mm ²	NYJ-J					M.L	5000
	A-7)	3 x 35 + 16 mm ²	NYJ-J					M.L	6000
	A-8)	3 x 50 + 25 mm ²	NYJ-J					M.L	5000
	A-9)	3 x 95 + 50 mm ²	NYJ-J					M.L	5000
	A-10)	3 x 120 + 70 mm ²	NYJ-J					M.L	5000
	A-11)	3 x 150 + 70 mm ²	NYJ-J					M.L	5000
	A-12)	3 x 240 + 120 mm ²	NYJ-J					M.L	3000
	A-13)	3 x 300 + 150 mm ²	NYJ-J					M.L	3000
	A-14)	4 x 6 mm ²	PVC/SWA/PVC					M.L	5000
	A-15)	4 x 10 mm ²	PVC/SWA/PVC					M.L	5000
	A-16)	4 x 16 mm ²	PVC/SWA/PVC					M.L	5000
	A-17)	3 x 25 + 16 mm ²	PVC/SWA/PVC					M.L	5000
	A-18)	3 x 35 + 16 mm ²	PVC/SWA/PVC					M.L	5000
	A-19)	3 x 50 + 25 mm ²	PVC/SWA/PVC					M.L	5000
	A-20)	3 x 70 + 35 mm ²	PVC/SWA/PVC					M.L	5000
	A-21)	3 x 70 + 35 mm ²	NYJ-J					M.L	5000
02-06-00853	<u>B) Wires:-</u>								
	Single wires, copper stranded core PVC								
	insulated, rated 70 permanent and 160c								
	short circuit, rated voltage 450/750v								
	generally to BS 6004 or to vde 0250								
	type nya								
	Packing: 100 yds each coil in specified.								
	colours								
	B-1	2.5 mm ²							
	Red							Coils	1500
	Black							Coils	1500
	Blue							Coils	1500
	Yellow							Coils	1500
	Grn/Ylw							Coils	1500
	B-2	1.5 mm ²							
	Red							Coils	1000
	Black							Coils	1000
	Blue							Coils	1000
	Yellow							Coils	1000
	Grn/Ylw							Coils	1000
	B-3	4mm ²							
	Red							Coils	500
	Black							Coils	500
	Blue							Coils	500
	Yellow							Coils	500
	Grn/Ylw							Coils	500
	B-4	6mm ²							
	Red							Coils	500
	Black							Coils	500
	Blue							Coils	500
	Yellow							Coils	500
	Grn/Ylw							Coils	500
02-06-00854	<u>Telephone Cables & Accessories</u>								
	A) Telephone cables: -								
	PVC/Bare copper conductor 0.6mm/tinned /PVC								
	A-1)	10 pair.						M.L	5000
	A-2)	20 pair.						M.L	5000
	A-3)	30 pair.						M.L	5000
	Packing: on wooden drums.								
	<u>B) Accessories: -</u>								
	Terminal Box-Flush Mounted								
	Steel Grey / rust proof + Terminal block.								
	B-1)	10 pair.						No.	50
	B-2)	20 pair.						No.	50
	B-3)	30 pair.						No.	50
	B-4)	100 pair.						No.	20
02-06-00855	<u>Conduit & Accessories</u>								
	A) Size 20mm: -								
	A-1 Hot dip galvanized heavy gauge steel conduit, screwed both ends, one coupler, 3.75m long to BS								

	coupler, 3.75m long to BS 4568.							Cond	10000
	A-2 Galvanized circular malleable iron junction boxes.								
	Terminal							No.	2000
	Through							No.	5000
	Angle							No.	2000
	Tee							No.	2000
	Intersection							No.	3000
	B) Size 25mm: -								
	B-1 Hot dip galvanized heavy gauge steel conduit, screwed both ends, one coupler, 3.75m long to BS 4568.							Cond	5000
	B-2 Galvanized circular malleable iron junction boxes.								
	Terminal							No.	1000
	Through							No.	1000
	Angle							No.	1000
	Tee							No.	1000
	Intersection							No.	1000
	C) Draw in steel tape: -								
	C-1 20m length							No.	50
	C-2 30m length							No.	50
	D) Complete set comprising stock dies & guides: -								
	D-1 20+25 mm							set	20
02-06-00856	<u>A -Panel distribution boards:</u>								
	Three-phase and neutral distribution boards voltage 415v AC 50 HZ BS 5486 IP230 with door and lock to fixed in the wall (flush type) with Earthing terminal bus bars and with								
	A-1 Distribution board 6 triple pole MCB ways							NOS.	25
	Main in coming 100A MCB three phase Single poles MCB 15A.10 .NOS Single poles MCB 30A 8Nos.								
	A-2 Distribution board 8 triple pole MCB ways-							NOS.	25
	Main in coming 100A MCB three phase Single poles MCB 15A 15 NOS. Single poles MCB 30A 9NOS.								
	A-3 distribution board 12 triple pole mcb warpmain incoming 160 mcb three phase single pole mcb 15 A 20 Nos single pole mcb 30 A 16 Nos							NOS	25
	A-4 SPARES single pole mcb 15 A single pole mcb 30 A							NOS	100
								NOS	100
02-06-00857	<u>Switches and Sockets</u>								
	A- SWITCHES								
	Switches 250v 15 or 20 amp flush mounting-white cover								
	A-1 one way 1 gang							NOS	500
	A-2 two way 1 gang							NOS	500
	A-3 one way 2 gang							NOS	500
	A-4 one way 2 gang							NOS	500
	A-5 one way 3 gang							NOS	500
	A-6 one way 4 gang							NOS	500
	B-SWITCHES SOCKETS								
	3 pin Rectangular bs 2814- 13 or 15 Amp flush mounting-white cover Bs 1863								
	B-1 3pin rectangular-13 Amp							NOS	5000
	B-2 3pin rectangular-Duplex13 Amp							NOS	5000
	B-3 3pin rectangular-15 Amp							NOS	5000
	B-4 2Amp Telephone socket							NOS	5000
	B-5 T.Vsocket single out let							NOS	1000
02-06-00858	<u>Fire Alarm System</u>								
	A-1) central Indication and control panel suitable for 6 fire zones with fire alarm bell complete with all safety device and automatic charger including nickel cadmium battery with connection to the central Indication and control board							No. C741	1
	A-2)Manual call station break glass units- surface mounted- red colour the glasses can be supplied in english language							NOS	15

	A-3) complete with amounting base automatic smoke detector off white coulor withvisual of an alarm is given by red light diode clearlyn visble on the detector casing ambient temp range (0c- 50c)								NOS	70
	A-4)complete with a amounting base amount- ing heat detector with visual Indication of an alarm is given by red- light diode, clearly visble on detector with base off white colour ambient range (0c- 40c)								NOS	10
	A-5) Indoor fire alarm bell 24v.Ds black poly- carbonete base.6" hight reliability, long running life and easy installation,nomain- tenace in normal use.								NOS	15
02-06-00859	<u>Light fittings: -</u>									
	NOTE: Below mentioned fluoresent fittings . are security quick startPower factor not lessthan 0.9 Lagging 240 volt-AC 50HZ.									
	A-1) 2 x 40w fluoresent fitting with Lamella louver -recessed mouting								NOS	400
	A-2) 2 x 40w fluoresent fitting with Lamella . louvre-Surface mounting								NOS	250
	A-3) 1 x 40w fluoresent fitting with Lamella lovre-Recessed mounting.								NOS	400
	A-4) 1 x 40w fluoresent fitting with Opal Diffuser-Surface mounting.								NOS	250
	A-5) 2 x 20w fluoresent light fitting with Opal Diffuser-Surface mounting.								NOS	500
	A-6)4 x 20w fluoresent light fitting with Opal Diffuser-Surface mounting.								NOS	500
	A-7)60 X 60 cm Fluorescent light with lamela diffuser								NOS	400
02-06-00860	<u>Aluminum false ceiling</u> closed type with all fixing accessories									
	30 x 60 cms								M²	4000
	30 x120 cms								M²	4000
	60 x 60 cms								M²	12000
	10 x 360 cms								M²	5000
	suspension accessories and angle bead								M²	25000
02--06-00861	<u>Door closers</u> Yale type or equivalent with all accessories								No.	100
02--06-00862	<u>Expansion joint beads</u> made of stainless steel, 0.5mm thick								M.L	500
	Floor type								M.L	200
	Wall type								M.L	450
	Ceiling type								M.L	100
02-06-00863	<u>Special doors</u> frames and door leaves different dimensions,with door handles (cylinder and bath).								No.	450
02-06-00864	<u>Anti static Vinyl tiles</u> 120cm width, 3.5 mm thickness, with welding rods and fixing materials.								M²	500
02-06-00865	<u>Ceramic tiles</u> 10 x 10 cm, 6mm thick, non-slip ceramic								M²	3500
02-06-00866	<u>Epoxy paints</u> for walls								Lit	3000
02-06-00867	<u>Metal Lath</u> 60 x 240 cm, weight 1.7 kg/m2								M²	5000
02-06-00868	diesel pump									
	HP	r.p.m	Q m³/hr	Hm	QTY					
	60-75	1450	200	60	5					
02-06-00869	electrical pump									
	HP	r.p.m	Q m³/hr	Hm	QTY					
	60-75	1450	200	60	5					
02-06-00870	NON-ION IC WATER SYSTEM									5
	1-capacity:-3-4 m³/hr									
	2-conductivity (mixing of + and -) :- (0.1 - 0.5)MS									
	3-raw water input									
	main components									
	1-primary water tank (1m³)									
	2-two duplex primary water pumps (6m³/hr , 2.5bar)									
	3-three primary filters (25 micron)									
	4-four duplex water softener (cationic , 5m³/hr)									
	5-secondary filters (5micron)									
	6-two duplex mixed bed deionizer (3-4m³/hr									
	air handling unit (AHU)									
	type of fulter	power (KW)	no of motor	type of air (AHU)		connecti size on (in-out) for each	air flow		water flow	
				other type	in-line		for cooling	for heating	for coolin g	for heating
02-06-00871	type	15	1	-	in line	62.5mm	8 12	8 12	102	45.5
02-06-00872	type	17 5.5 10	1 14	-	in line	in50mm out 50mm	29153	29153	3581	1750

02-06-00873	type	4.1	11	1	-	in line	62.5	5500/ 2200	5500/ 2200	13	13
02-06-00874	type	3.75		1	-	in line	in36mm out 36mm	11864	11864	15.12	5.34
02-06-00875	type	7.5		1	-	in line	in50mm out 50mm	26271	26271	21.36	6
02-06-00876	type	7.5		1	-	in line	in36mm out 36mm	22881	22881	21.12	7.32
02-06-00877	type	7.5		1	-	in line	in50mm out 50mm	23220	23220	39.48	17.96
02-06-00878	type	9.3		1	-	in line	in50mm out 50mm	25424	25424	51.7	21
02-06-00879	type	5.625		1	-	in line	in50mm out 50mm	15424	15424	31.32	12.81
02-06-00880	type	9.3		1	-	in line	in50mm out 50mm	29153	29153	59.5	24.4
02-06-00881	type	2.25		1	-	in line	in50mm out 50mm	8485	8485	14.7	7.2
02-06-00882	MZ	7.5		1	-	in-line		30	30	40	40
02-06-00883	normal	10KW		1	-	in-line	2" inch	-	-	-	-
02-06-00884		7.5		7	X	-	3inch	X	X	X	X
02-06-00885		4		1	-	in-line	-	30	30	40	40
air handling unit (AHU)											
	type of fulter	power (KW)	no of motor	type of air (AHU)		connecti size on (in-out) for each	air flow		water flow		
				other type	in-line		for cooling	for heating	for coolin g	for heatin g	
02-06-00886	No.of AHU 15 N.B.S 35%	18.5	1		in line		32.700 M^3/H	32.700 M63/H	55 L/Mi	07 L/Mir	
02-06-00887	No.of AHU 19 N.B.S 80%		55	1	in line		64.900 M^3/H	64.900 M^3/H	202L/Mi	33 L/Mir	
fan coil unit											
	no.of fan	no.of motor	type of fan coil unit			water temp.	capacity (ton)		qnt.		
			ground complete	vertical	chiding horizontal	(In-out)					
02-06-00888	2	1	ground		-	9 12		2		52	
02-06-00889	1	1	-		chiding horizontal	70-11c		3ton		350	
02-06-00890	1	1	ground		-	70-11c		2ton		30	
02-06-00891	1	1	ground		-	70-11c		2ton		30	
02-06-00892	1	1	ground		-	70-11c		2ton		25	
02-06-00893	3	1	10		18	6_12		40ton		28	
02-06-00894	4	20	10		10	10_12		2ton		20	
02-06-00895	2	2	ground		-	(5_10)c		2ton		100	
02-06-00896	cold stor										15
	1-inside temperature (4-16C)										
	2-volume 20M^3										
	3-the cold store must be supplied with shade to from raining										
	4-ambieient temperature 55C										
	5-the walls will be s and outs panel, the out side walls made from aluminum sheets at thickness 0.6mm and the inside										
	6-the floor made of jacker plane from aluminum										
	7-the door is hinged type										
	8-two cooling unit one work and the other stand by each unit is sufficient to keep inside temperature (4-16C)										
	9-the compressor is semi hermetic type										
	10-the cold store supplied with all the complete control (oil pressure,high-low pressure,thermostat,seloid valve										
02-06-00897	refregrater										24
	valume for refregrater 35foot^3										
	220V , 50HZ , 1phase										
	ferion:- R134										
	internal temperature ranging from +2to +6C										
	inside and out side material stainless steel										
	aolitle/visua/ alarm with battery , low alarm 0C , high alarm +10C										
	autamatic defrosting										
	out side thermometer or the door										
	7 day recorder										
	double compressor units for additionel/safety										
	removabe shalves inside										
	spar parts for 5 years										
02-06-00898	water ion exchenger										2
	capacity:-20lit/hr										
02-06-00899	machine for sealing bottles of plastic & aluminum caps										4
02-06-00900	central oxygen system										5
	capasity:- 20 cylinder										
	1-tow stages (pressure)										
	a-first stage	160 :-	10Kg/cm^2								

	4x4									2000		
	4x6									4000		
	4x10									4000		
	4x16									4000		
	4x25									4000		
	4x35									4000		
	3x1.5									4000		
	3x2.5									4000		
	3x4									4000		
	3x50 +25									4000		
	3x70 +35									4000		
	3x95 +50									4000		
	3x120 +70									4000		
	3x150 +70									4000		
	3x185 +95									4000		
	3x240 +120									4000		
	3x300+150									4000		
02-06-00915	Multicore cables with stranded copper conductors PVC insulated , steel wire armound and PVC											
	3x35 +16									4000		
	3x50 +25									4000		
	3x70 +35									10000		
	3x95 +50									4000		
	3x150 +70									4000		
	3x185 +95									4000		
	3x240 +120									4000		
	3x300 +150									4000		
02-06-00916	Cable terminals for cable sizes from 10 mm ² to 300 mm ²									2000PIES FOR EACH SIZE		
02-06-00917	ELECTRICAL -HYDROLIC TERMINAL PRESS MACHINE									8		
02-06-00918	MANUAL - HYDROLIC TERMINAL PRESS MACHINE									8		
02-06-00919	EQUIPPED MOBILE LAB. FOR OCCUPATIONAL HEALTH AND SAFETY									40		
02-06-00920	EQUIPPED MOBILE LAB. Containing (noise level analyzer vibration analyzer ,condenser microphone									60		
02-06-00921	DO for cheking(BOD) , (ultra-dometer)											
	instrument for determination of quantity of the mount of biological oxygen in water supplyment									16		
	extracts . Service system											
02-06-00922	electric refrigerator									10		
02-06-00923	kerosen refrigerator									5		
02-06-00924	vedio casset + CD									5		
02-06-00925	colour televison (size : 24 note)									5		
02-06-00926	telephone instrument									5		
02-06-00927	refregerated centrifuge									5		
02-06-00928	refregerated /heating water circulator (-10 TO 100 C)									10		
02-06-00929	eezer (-70)									10		
02-06-00930	efrigerator									10		
02-06-00931	microbiological safety cabinet and chemical hood and laminar air flow cabinet									5		
02-06-00932	phto copy machine									12		
02-06-00933	cuntarl station computer & terminal									5		
02-06-00934	cold room									60		
02-06-00935	office operatar with 100 lines									5		
02-06-00936	power amplifier (100W) model :- lbb 1103 (phillips)									24units		
	required No./ 6 uints											
02-06-00937	air compressor									40		
	small for aeration of water sample (1-SL) sample valume											
02-06-00938	liquid nitrogen container of medium size (20 litres capacity)									8		
02-06-00939	softener											
	saadam medical city											
	max flow:-90m ³ /hr									20		
	max flow:-70m ³ /hr									5		
	max flow:-50m ³ /hr									5		
	general softener specification											
	dual/duplex system											
	resin:-strong cation											
	pressure vessel:high quality mild steel B.S 5500 working press 6 bar, internally protected by epoxy											

	valve:- amain multiport valve ,manual and automatic opreration									
	brine tank:-poly then with stainer and loose fit couer									
	operation:- flow counter supplied to intiat regeneration cycles									
	piping :- all piping including salt injeotion tubing is supplied									
	design row water condition									
	total hardness	289 to 610 PPM								
	calcium	84 to 323 PPM								
	magnesium	205 to 287 PPM								
	other cation	263 to 675 PPM								
	bicar bonates	160 to 159 PPM								
	chlorides	19 to 159 PPM								
	totanions	263 to 675 PPM								
	chlorin	1 to 2 cl PPM								
02-06-00940	ELECTRICAL OPERATED DOORS									
	supply , install and operate electrical steel doors, double leaf (DIM . 180X210 CM + WITH 40X60 CM							28 nos		
	air handling unit (AHU)									
	type of filter	power (KW)	No.of motor	type of (AUH)		coucetion size (in-out)foreach coil	air-flow		QTY	
				other type	in - line		for cooling	for heating		
02-06-00941	2-no.metalic washable 50mm thiek 35%&bag 90%	9	1	-	in-line mane	-	8500	8500	10	
02-06-00942	2-no.metalic washable 50mm thiek 35%&bag 90%	10	2	-	in-line mane	-	10650	10650	10	
02-06-00943	2-no.metalic washable 50mm thiek 35%&bag 90%	4	2	-	in-line single zone	-	2000	2000	10	
02-06-00944	2-no metallic washable thich middle effie. F 35% of hepa. F 99.77%	13	2	-	in-lne malti zone	-	8500	8500	10	
02-06-00945	2-no.metalic washable type 50mm thich middle effici-f 35% & bag fill 90% effieic	15	1	-	single zone	-	23370	23370	10	

02-06-00946	2-no.meta- lic washable type 50mm thick middle effici-f 35% & bag fill 90% effieic	25	1	-	single zone	-	32790	32790	10	
02-06-00947	requirements for simplex mobile radio system								10	
	mobile radio system comprising the following main items is required to serve A service organization:-									
	1-two base station with dispatcher council to communicate with mobile and fixed station within 30 KM									
	2. High gain omni - directional antenna and feeder cable (100m) for the base station with the mask									
	3-10 fixed transceivers with directional antennas feeders and all others necessary accessories									
	4- 10 mobile vehicular transceivers with antennas feeders and all neccary accessories.									
	5-15hand uniys with necessary chargers and accessories									
	6-soare parts with avalue of 10% the total cost of equipment.									
	7-power supplie for the station and fixed units with U.P.S.									
	8-appropaiate test equipment>									
	9-full installation of the equipment should be part of the pffer and local training during installation.									
	10-on job trining should be offered									
	11-the frequency of operation will be allocated in the VHF frequency band (148-174MHZ).									
	12-the base sattion tx power should be between 10 and 25 watts and likewise for the fixed									
	13-warrenty one year from date of operation .									
	14-two years maintenance after period of warrenty.									
	15-training operators and technicl staff on factory.									
	16- 2-complete sets of diagrams and manuals									
	type		head m		capasity L/min		suction m m	P(KW)	QTY	
02-06-00948	sewage submersib le pump	-	22m		400L/min		discharge 100 mm	7.5KW	10	
02-06-00949	water pump for sanitary HP2	vertical	15m		50L/min		suction 32m m	0.75KW	10	
02-06-00950	water pump for sanitary HP3	vertical	20m		100L/min		suction 40m m	1.5kw	10	
02-06-00951	chemical dosing pump for cooling tower	vertical	-		10kg/cm2 110cc/min		suction 2inch	30watt	10	
02-06-00952	circulati ng water pump HP	vertical	29.7m		320 L/m		-	2.2	10	
02-06-00953	submersib te pump SP	-	10m		1000L/m		100 mm	3.7	10	
02-06-00954	eng camera									
	item No.	description								quantit y (state unit)
	1	betacam sp camcorder camera PVW-D 30 PF								10
	2	play back adaptor VA-300P								10
	3	rechargeable NI - CD battery								48
	4	AC adapter AC - 550 CE								10
	5	battry case DC - 520								10
	6	chest pad CAC - 4								10
	7	microphone holder CAC 12								10
	8	battry charger BC - 1 wdce								10

	9	UHF wireless microphone wrt - 830 a with UHF wireless receiver (complete)						10		
	10	betacam sp 20 min. metaltape						300		
	11	betacam SP 30 min. metaltape						300		
	12	tripod - vision 10 lf complete set						10		
02-06-00955	A/B roll editing system with DFS - 500 P (digital effects)									
	item No.	complete description of item						quantity (state unit)		
	1	betacam sp recorder						10		
	2	betacam sp player						10		
	3	editing control unit						10		
	4	vtr interface						10		
	5	serial switcher interf ACE						10		
	6	B/W data display						10		
	7	time switcher						10		
	8	serial switcher interf ACE						10		
	9	color monitor						18		
	10	color monitor						10		
	11	dubbing cable (12 pin)						24		
	12	remote control cable						18		
	13	audio mixer						10		
	14	audio amplifier						10		
	15	speaker (3 WAY)						pair		
	16	desk & rack mount metal						complete		
	17	main power output with AC outlet box						10		
	18	betacam sp plater						10		
02-06-00956	cold storage								10	
	internal temp. ranging from (-20c) to (+10C) at the following ambient conditions									
	summer : DBT 45C									
	winter : DBT - 5C									
	internal volume not less than 32 cubic meters									
	refrigeration system two independent refrigeration with an automatic alternator clock timer furnished									
	system shall operate from single - phase 220V , 50HZ or 3phase , 4wire 380v									
02-06-00957	AMBULANCE PARTITION								600	
	BETWEEN DRIVER'S COMPARTMENT AND PATIENT'S COMPARTMENT FULL COVERAGE PANEL MADE OF									
	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									
	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									
	RESUSCITATION EQUIPMENT									
	- TWO OXYGEN BOTTLES, EACH OF 500 LITER CAPACITY SECURED WITHIN THE LEFT WALL CABINETS.									
	- TWO SPARE OXYGEN BOTTLES OF 500 LITER CAPACITY IN STOWAGE CABIN.									
	- ONE SET OF ENGLISH BULL NOSE VALVE YOKE, PRESSURE REGULATOR WITH GAUGE FLOW METER AND HUMIDIFIER									
	- THREE OXYGEN MASKS, ONE FOR EACH ADULT CHILD AND INFANT.									
	- THREE PLASTIC NASAL CANNULAS, TWO ADULT AND ONE CHILD.									
	- FOUR OXYGEN CATHETERS, TWO OF EACH NO.10F.									
	ONE MOUTH TO MOUTH VENTILATION MASK									
	CYLINDER KEY								1 FOR EACH	
	OXYGEN FLOW METER /REGULATOR								1 FOR EACH	
	HUMIDIFIER								1 FOR EACH	
	PORTABLE OXYGEN KIT									
	ONE PORTABLE OXYGEN KIT COMPLETE WITH REGULATOR AND SUPPLIES.									
	RESUSCITATOR COMPLETE WITH CYLINDER.								1 FOR EACH	

RESTRAINING STRAP FOR RESUSCITATOR.							1 FOR EACH		
SUCTION SYSTEM									
ONE VACUUM APPARATUS INCLUDING AN ELECTRIC DRIVEN PUMP with rechargeable battery									
FIRST AID EQUIPMENT									
A BOX IS TO BE PROVIDED CONTAINING THE FOLLOWING:-									
TWENTY PRE- LOCALIZED PADS									
TWELVE COMPRESSIVE BANDAGES									
- FOUR 10CM ELASTIC STRIPS.									
- SIX GAUZE BANDEAUS, THREE OF 75MM AND THREE OF 150MM.									
- TWENTY GAUZE PADS 10CM BY 10CM, INDIVIDUALLY WRAPPED.									
- TWO 5CM ANTI-ALLERGIC ROLLS OF ADHESIVE TAPE.									
FIFTEEN TONGUE DEPRESSORS INDIVIDUALLY WRAPPED.									
- ONE 100 ML BOTTLE CONTAINING CHLOREXIDINE BASE DISINFECTANT.									
AIR SPLINTS									
ONE SET OF AIR SPLINT FOR EACH OF THE UPPER AND lower LIMBS.									
STRETCHER									
WHEEL STRETCHER WITH ADJUSTABLE BACK AND FOOT RESTS WITH SIDE HANDLES, COMPLETE WITH MATTRESS AND									
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: 4X4 wheel driver									
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									
SIDE DOOR: SIDE DOOR AT THE RIGHT SIDE.									
BACK DOORS: TWO PANEL DOORS OPENABLE TO THE SIDES.									
INSTRUMENT PANEL: WITH METRIC GAUGES and ODOMETER.									
MIRRORS: ONE INSIDE and TWO OUTSIDE REAR VIEW.									
TIRES :HIGH QUALITY INCLUDING SPARE.									
-WARNING EQUIPMENT: SIREN WITH SPEAKER AND BEACON OF THE FOLLOWING TYPES:									
-ELECTRONIC SIREN WITH PUBLIC ADDRESS SYSTEM OF 100WATTS OUT-PUT POWER.									
BEACON : TWO REVOLVING DOME TYPE BEACONS LONGITUDINAL A LONG THE WIDTH ON THE FRONT ROOF									
-SPEAKER: 100 WATTS SPEAKER INSTALLED INSIDE ENGINE COMPARTMENT.									
-ACCESSORIES:									
AUTO JACK WITH HANDLE and WHEEL WRENCH.									
TOOL KIT BAG.									
HAZARD WARNING TRIANGLE									
FIRE EXTINGUISHER.									
-MISCELLANEOUS: THE FOLLOWING IS TO BE SUBMITTED TWO WEEKS AFTER									
-WORKSHOP MANUALS (2 COPIES IN ENGLISH).									
-SPARE PARTS CATALOGUES (2 COPIES IN ENGLISH).									
-RECOMMENDED SPARE PARTS LIST (DETAILS OF THE LIST ARE TO BE AGREED UPON).									
FAST MOVING PARTS for EACH VEHICLE.									
- TRAINING FOR 3 ENGINEERS.									
optional rquipments schedule ambulance									
VACUUM MATTERS WITH CARRYING HANDLES.								1 FOR EACH	
PUMP FOR VACUUM MATTRESS								1 FOR EACH	
FOLDING STRETCHER								1 FOR EACH	
INFLATABLE SPLINTS, SET OF 4 IN WALLET.								1 FOR EACH	
ANALGESIC UNIT.								1 FOR EACH	

	NITRONOX CYLINDER (LIGHT WEIGHT)								1 FOR EACH		
	URINAL, MALE.								1 FOR EACH		
	URINAL, FEMALE.								1 FOR EACH		
	ORTHOPEDIC SCOOP STRETCHER								1 FOR EACH		
	BRACKETS FOR SCOOP STRETCHER.								1 FOR EACH		
	HEAPED AND HARDNESS SET FOR SCOOP STRETCHER.								1 FOR EACH		
	ASPIRATOR, MANUAL								1 FOR EACH		
	AMBULANCE CHAIR								1 FOR EACH		
	BRACKET FOR AMBULANCE CHAIR								1 FOR EACH		
	FIRST AID KIT COMPLETE WITH CASE.								1 FOR EACH		
	PENLIGHT								1 FOR EACH		
	BEDPAN								1 FOR EACH		
	ANEROID SPHYGMOMANOMETER								2 FOR EACH		
	STETHOSCOPE.								2 FOR EACH		
	OTOSCOPE.								1 FOR EACH		
	THOUGHT CUT SCISSORS.								1 FOR EACH		
	SEMI AUTOMATIC DEFIBRILLATOR /MONITOR								1 FOR EACH		
	SECURING DEVICE FOR DEFIBRILLATOR /MONITOR								1 FOR EACH		
	ARTERY FORCEPS (SPENCER WELLS)								1 FOR EACH		
	DISSECTING FORCEPS, PLAIN								1 FOR EACH		
	SCISSORS BANDAGE.								1 FOR EACH		
	THERMOMETER								1 FOR EACH		
	NON WOVEN ACRYLIC BLANKET 60"X80" APPROX.								1 FOR EACH		
	CELLAR BLANKET UNBLEACHED 60"X80" APPROX.								2 FOR EACH		
	FOAM PILLOW, PCV COVERED								2 FOR EACH		
	VACUUM FLASK STAINLESS STEEL 1 LITTER.								2 FOR EACH		
	RESTRAINING STRAP FOR VACUUM FLASKS								1 FOR EACH		
	OXYGEN CYLINDER, BULL NOSE (SIZE F)								1 FOR EACH		
	OXYGEN FACE MASK								1 FOR EACH		
	GREEN BUBBLE 30 FOOT ROLL								2 FOR EACH		
02-06-00958	freezer -80								18		
	1-horzintal type heavy insulation or vertical type										
	2-temp . Range 0 - (-80c)										
	3-double compressor heavy duty with fan cooling system										
	4-alarm - system										
	5-thermal - control - system with multi - indicators										
	6-parttion and baskets for samples										
	7-size 16-20 cubic feet										
02-06-00959	freezer -20								16		
	1-horzintal type heavy insulation or vertical type										
	2-temp . Range 0 - (-80c)										
	3-single compressor heavy duty with fan cooling system										
	4-alarm - system										
	5-thermal - control - system with multi - indicators										
	6-parttion and baskets for samples										
	7-size 16-20 cubic feet										

02-06-00960	lab - refrigerator							14		
	1-14cubic feet type with lock for freezing & refrigerator									
	2- double door one for freezer (- 10c) & one for refrigerator (4 - 8c)									
	3- freezer :- parttions 2 or 3 with drawers for freezing samples (_10c)									
	4-refrigerater (4 - 8c) with parttions (4 - 5) and drawer supplied with (D R I N) out let for									
	5- heavy duty compressor with fan for cooling purposes									
	6-refergerater and freez have									
	7- refrigerator have atomatic defrost system									
	8-220v/50HZ/ 1 PH									
	9- R134									
02-06-00961	blood bank coold store							10		
	inside temp from 1C to 6C at the following ambient conditions									
	summer : DBT 50 C									
	WBT 25 C									
	winter : DBT 1C									
	WBT -3 C									
	Internal volume : not less than 50 cubic meters									
	A) construct ion :									
	1- cold stores shall be shipped in knock - down sections to re-erect									
	2- cabinet interior shall be made of heavy corrosion proof aluminum, floor made of heavy gauge anti -									
	3- cabinet exterior shall be made of aluminum , coated with a white weather proof coating to make it									
	4-In sultan shall be sufficient to maintain the specified internal temperature in the specified									
	5- Door shall be constructed of aluminum & shall have an external lock with keys. Door handle can be									
	6- light- weight shade to protect the cabinet from rain & sun to be fitted on top of it. Shape size &									
	7- external dial thermometer must be provided									
	8- Audio & visual alarm for high temperature must be fitted									
	9- Sufficient internal lighting automatically switches on when door									
	10- air curtain by the door operates automatically when door opens									
	11- Shelves shall be made of strong galvanized steel positioned on all sides shelves shall be grid									
	12- (7 days recorder									
	B) .REFRIGERATION SYSTEM									
	Two independent refrigeration system shall be installed each being capable to maintain the required									
	C) Electrical system									
	System shall operate from single - phase , 220V, 50 HZ, supply or									
	D) Spar parts 5 years									
02-06-00962	Developed operating washing tube							10		
02-06-00963	PIIII or PIII with accessires and read - write CD - drive							60		
	printer EPSON LQ - 2180							46		
	laser - printer 10 L							14		
	page printer							5		
	U.P.S							62		
	reglater power 10AMP							66		
	reglater power 20AMP							5		
	white board							5		
	over head pros							5		
	sidlater							5		
	disk 3.5							200		
	laser - disk							20		
02-06-00964	intercom system									
	central digital intercom system comprise of one master station with special faeilities and 100 or 50 slave station, the system evakle each slave station to communicall with other slave station and with the master station							60 for system with 200 slave station		
	_ installation the systems on siltes							200 for system with 100 slane stations		
	_ one year earranty and two year maintenaes									
	_ complete sets of drawing and manuel and catalogues									
	_ spetionl too kit for each system									
	_ training coerse 4 engineers for 3 weeks , on factory									
	_ spare parts for two years									
02-06-00965	clock system							200		
	central clock system contoins:-									
	a- master clock							1		
	b- single face slave clock							100		
	c- double face slave clock							30		

	d- special clock for operating theater						8		
	c-time machine						2		
	one year warranty , two year maintenae, installation complet set of manuals and catalogies and training coerse on factory for 3 engineers for 3 weeks								
02-06-00966	electrical switchs and souket								
	1-single switch 220V /up to 15A - B.5						27200		
	2-double switch 220V / up to 15 A - B.5						6560		
	3-frible switch 220V / up to 15 A - B.5						13120		
	4-four way switch 220V / up to 15 A - B.5						2400		
	5- mercury switch 220V / up to 15 A - B.5						1000		
	6- electrecal out let 220220V / up to 13 A - B.5 13A - B.S						31420		
	7- electrecal out let 220220V / up to 15 A - B.5 13A - B.S						16900		
02-06-00967	over loads								
	NO. of poles	NO. of phaes	current A	Voltage	Qty				
	3P	3Q	0 - 35	220V	440				
	3P	3Q	5 40	220V	320				
	3P	3Q	3 60	380V	860				
	3P	3Q	80-200	380V	80				
	3P	3Q	30 - 90	380V	200				
	3P	3Q	20 - 80	380V	1000				
	3P	3Q	2 15	380V	320				
	3P	3Q	200-500		180				
02-06-00968	contactors								
	NO. of poles	NO. of phaes	No. of auxiliang contact	Voltage of coil	Voltage	current A	Qty		
	10	3Q	(2no , 2nc	220V	400V	10A	120		
	10	3Q	(2no , 2nc	220V	400V	16A	100		
	10	3Q	(2no , 2nc	220V	400V	20A	100		
	10	3Q	(2no , 2nc	220V	400V	25A	60		
	10	3Q	(2no , 2nc	220V	400V	30A	420		
	10	3Q	(2no , 2nc	220V	400V	40A	290		
	10	3Q	(2no , 2nc	220V	400V	50A	160		
	10	3Q	(2no , 2nc	220V	400V	60A	440		
	10	3Q	(2no , 2nc	220V	400V	80A	240		
	10	3Q	(2no , 2nc	220V	400V	100A	258		
	10	3Q	(2no , 2nc	220V	400V	250A	100		
	10	3Q	(2no , 2nc	220V	400V	400A	15		
	10	3Q	(2no , 2nc	220V	400V	1000A	40		