

02-06-00598	air handlig unit for operating theater room 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 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					100A. H.U
02-06-00599	A .H. U ctm=14800ctm HP= 8.5HP heating=hot water RPM= 1500/ 3000 volt = 380V / /50HZ feltr = mesh tepe (washable)(G.S)					100
	A .H. U					
	HP	V	QTY	flow M ³ /hr	type of filter	
02-06-00600		380/3p 2 h/50hz	100	31 50	mesh type (washable)	
02-06-00601	7.5	380/3p h/50hz	100	8160	mesh type (washable)	
02-06-00602	7.5	380/3p h/50hz	100	9960	mesh type (washable)	
02-06-00603	7.5	380/3p h/50hz	100	7990		
02-06-00604	7.5	380/3p h/50hz	100	8560		

02-06-00605	3.o	380/3p h/50hz	100	3080	
02-06-00606	7.5	380/3p h/50hz	100	3080	
02-06-00607	10	380/3p h/50hz	100	7250	
02-06-00608	7.5	380/3p h/50hz	100	4000	
02-06-00609	7.5	380/3p h/50hz	100	4000	
02-06-00610	20	380/3p h/50hz	100	16190	mesh type (G.S)
02-06-00611	7.5	380/3p h/50hz	100	6800	mesh type (G.S)
02-06-00612	7.5	380/3p h/50hz	100	4400	mesh type (G.S)
02-06-00613	40	380/3p h/50hz	100	31700	mesh type (G.S)
02-06-00614	30	380/3p h/50hz	100	31005	mesh type (G.S)
02-06-00615	25	380/3p h/50hz	100	33030	mesh type (G.S)
02-06-00616	15	380/3p h/50hz	100	19500	mesh type (G.S)
	heating = hot water RPM = 1500 - 3000 NO.of row = 3				
02-06-00617	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 branches units 6- each system contain PC unit for operation and maintenance and programing if necessary 7- the detectors should be from smoke heat and temp rise type b) quantities :				

no. of system		no. of zone
500		10
		20
		30
		40
		60
		80
		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		
02-06-00618	side loading washer 50 kg	200
02-06-00619	centrefugal extractor 30 kg/load	200
02-06-00620	drying tembler 25 kg/load	200
02-06-00621	canvas truck	200
02-06-00622	strach cooker	200
02-06-00623	flate work ironer 50 kg/hr	200
02-06-00624	hand ironer board	200
02-06-00625	swing machine	200
02-06-00626	ottlity press machine	200
02-06-00627	kerosen steam boiler 20 BHP capac. At apressure of 11kg/cm2 a- general fire tupe steam boiler 1-package , automatic factory assembled , on steel base piped , wired , tested and ready for connec - tion to water , fuel and powersupply 11 bar 2- desing working pressure 3-controls and circuits grounded and to operate on 240 volts 50 hz 4-suitable for firing with fuel oil np.2 5-over all efficiency not less than 80% 6-certified test resolts to be submitted 7-operation , maintenance , repair and spare parts manuals to be submitted b-capacity: 500 kg of steam /hr c- design: the boiler shall be of horizontal fire tube type , equiped with the following:- 1- shell to be designed , constructed , and hydro-statically , tested in accordance with ASME boiler and pressure vessel code _ to be equiped with sufficient manholes handholes lifting eyes, heavy steel base target rin for flame reshaping & means of constant control flow of water 2-front &rear doors to be gantight &explosion proof and suitable for inspecting tube sheets &flues 3- re - fractories to be of high quality , high tem - perature material laid in high temp cement 4-flame observation parts with pyrex glass and steel cover 5-insulation and jacket to be 50mm fider glass insulation unler sectional prefer 1mm (20 gauge) g . l . Sheet met lagging . A suitable cat walk to be equiped to the boiler 6-painting to be heat resistant enamel d- accessories to include:- 1-flanged inlet with isolating valve 2-flanged out let with isolating valve	200

	3-flanged relief valve 4-screwed press , gauge 200mm 5-screwed thermometers 6-drain valves , y type 7-high steam press limit control 8-water column ass including gauge glass , try cocks , low water cut - off and feed pump control with alarm contacts 9-blow down uessel and valve 10-feed water pump of a capacity and head sutibale for boiler capacity 11- second high limit switch 12-second low water cut off 13-hand injector for feed pump 14-feed water system e-control circuit to slut off fuel supply in the event of 1-low water level 2-forced draft fan failure 3-ignition failure 4-main flamo failure 5-low oil press f-burners to be fully automatic pressure atomising nossle forced drought type designed to fire fuel no. 2 or L.P.G each burner to be equiped with the following: 1-relays for prepurging & post p.u.r. gina oil burner nozzles 2-ienition transformer & electronics 3-rotary fuel oil pump with manual change over switch 4-bloower with automatic starter 5-oil strainer , valves , check valves & solenois valve 6-oil pressure regulating valves 7-oil pressure gauge 8-flame failure deteector 9-external mix gas burner 10-gas - electric ignition 11-air flow safety awitch 12-main gas : train consisting oe gas volume control valve , manual gas cock and automatic diaphragm gas valve g- condensate return system equiped with 1- receiver tank with acapacity not less than 5 - times the amount of condensatc perminute 2-condensate pump with a capacity not less than 2.5 times normal flow 3-adjustable float switch and gauge glass to be fitted to the receiver tank h- chimney and insulation :-to be supplied made of black steel gauge 14 welded thru out reinforced and braced with angle iron members to be fitted with removable clean out plates barometric damper for maintaining correct draft the clrimney shall be insulated with matic lath 85% magnesia 150 mm insulation the chimney to be coated with plastic smok pipe covering to reduce condensation a breaching with suitable clean out to be supplied for connecting boiler to vertical stack l- softener : iron exchange softener of a capacity suitable for boiler capacity complete with brine tank and all other accessories required the feed water hardness 700 ppm nos of boiler required 20 set with all other mentioned accessories above		
02-06-00628	air compressor with cylinder 0.07 m3/min capac. At apressure of 6 kg/cm2 cylinder rolame 120 l	200	
02-06-00629	disinfected washing machine	200	
	ELECTRICAL EQUIPMENT	200	
02-06-00630	high tension panal with short circuit current (25 ka)		
02-06-00631	high tension cable , XLPE type with (750) m length	40	

02-06-00632	isolated transformer	6x150 mm2
	with their control panales	50
	capacity (25 kva)	
	capacity (16 kva)	50

KITCHEN EQUIPMENT	50
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02-06-00633	scale 1 kg	
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02-06-00634	scale 25kg	500
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02-06-00635	scale 5 kg	500
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02-06-00636	weighing machine 100 kg	500
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02-06-00637	potata peeler 5kg /load	500
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02-06-00638	vegetable mill 300 kg /hr	500
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02-06-00639	chopping black 50x50x65 cm	500
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02-06-00640	meat mincer 2 kg /hr	500
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02-06-00641	backing oven gaseous loven 2 deck each 80x90x120cm	500
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02-06-00642	mixing machine 10 lit	500
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02-06-00643	refrigerator 420 lit	500
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02-06-00644	range gaseous (general purpose) 6 plate - 1oven	500
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02-06-00645	oven gaseous (each one of 80x90x170 cm)	500
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02-06-00646	boiling pan gaseous 35 lit	500
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02-06-00647	boiling pan gaseous 50 lit	500
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02-06-00648	gaseous fry range	500
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02-06-00649	grill gaseous	500
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02-06-00650	hot cub board	500
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02-06-00651	dish washer 640 pieces/hr	500
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02-06-00652	heated trolly	500
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02-06-00653	general purpose trolley	500
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02-06-00654	cold cup board	500
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02-06-00655	electrical water cooler 40 lit/hr	500
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02-06-00656	hood	500
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02-06-00657	bin on castors 6 kg	500
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02-06-00658	bin on castors 12.5 kg	500
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02-06-00659	bin on castors 25 kg	500
02-06-00660	bin on castors 25 kg	500

02-06-00660	bin on castors 50 kg	500
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VIDEO BEAMER	

large avitoriom high lumihosity for use in light remote controlled .complete system with link to

02-06-00661	speakers computer and monitor to accept CD rom as well	100
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02-06-00662	slide projector	200
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02-06-00663	over head projector	500
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02-06-00664	cooling tower schedule
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21-00-00001	cooling tower schedule										
	no req.	type	heat rejection capacity	ambient W.B temp. C	water temp.		water qty. L/min	fan	electrical characteristics		
					In	Out		motor kw	V	PH	HZ
	200	induced draft	869400	26	35	30	2611	15	380	3	50

[illegible]

200	double bank spray	block c on the roof	26	25	750	431680	1.5	0.8	33.5	5.5	82	71	650	8	2	centrifugal aerofoil
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extractor fan

	RE NO.	locatio n	air capacity m3/hr	no. req	pressure drop mm.w.h	input kw	electric v/ph/hz
02-06-00666	RE-16	A"	1460	100	4	0.12	220/1/50
02-06-00667	RE-17	B	1300	100	3	0.07	220/1/50
02-06-00668	RE-18	B	12000	100	10	1	380/3/50
02-06-00669	RE-19	B	3400	100	7	0.3	220/1/50
02-06-00670	RE-20	B	2210	100	7	0.3	220/1/50
02-06-00671	RE-21	B	1530	100	5	0.2	220/1/50
02-06-00672	RE-22	B	1020	100	5	0.2	220/1/50
02-06-00673	RE-23	A`	2430	100	5	0.5	220/1/50
02-06-00674	RE-24	A"	1785	100	5	0.5	220/1/50
02-06-00675	RE-25	A"	3100	100	5	0.75	220/1/50
02-06-00676	RE-26	A"	340	100	3	0.3	220/1/50
02-06-00677	RE-27	A"	1445	100	5	0.5	220/1/50
02-06-00678	RE-28	A"	3215	100	5	0.5	220/1/50
02-06-00679	RE-29	A"	2516	100	5	0.5	220/1/50
02-06-00680	RE-30	A"	1600	100	3	0.3	220/1/50
02-06-00681	RE-31	A"	1900	100	3	0.5	220/1/50
02-06-00682	RE-32	A"	2265	100	3	0.5	220/1/50
02-06-00683	RE-33	A"	1700	100	3	0.5	220/1/50
02-06-00684	RE-34	A	1657	100	3	0.3	220/1/50
02-06-00685	RE-35	A` ,A`	1000	100	3	0.3	220/1/50

02-06-00686	hood
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	stainlees steel hood used for labortary to be installed above sterilizer with following dimension 1500x600	100
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02-06-00687	water cooler	500
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	40 l/h cooled to 10 c electric supply 220/1 ph/50 stainlees steel ,anti-splash top equipped with non-clogging and easy to clean integral stranier grid the tank shall be burst proof galvanized with copper refrigerator coil	
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02-06-00688	window type 2 ton with heater capacity 3.6 kw	100
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02-06-00689	window type 1.5 ton with heater capacity 3 kw	100
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02-06-00690	window type 1 ton with heater capacity 2.6 kw	100
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02-06-00691	split unit 2 ton with heater capacity 3.6 kw	100
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02-06-00692	x-ray window 1.5x1.2m w/load glass	100
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02-06-00693	x-ray door fram 1.8x2.35 m w/load sheilding	100
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02-06-00694	x-ray door fram 0.9x2.1 m w/load sheilding	100
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02-06-00695	drinking water storge tank made of hot pressed steel plate of dimension (1.22x1.22) and thickness of not less than 6mm	
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	(7.32x4.88x2.44) m	100
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	(4.88x2.44x2.44)m	100
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02-06-00696	inclarator of 300 kg /hr	100
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02-06-00697	BED HADE UINT	100UINT
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	each one of bed hade unit comprifing the following	
	* general light 40 w with lamp	100
	* read light 20 w with lamp	100
	*cord pull switch with lamp for nurse call station	100
	* intercom unit	100

	* doubl switch socket 13A	100
	*exam light with lamp	100
	*extra examenstion light with lamp shipt 44 seperatly	200
02-06-00698	cold room	100
	temp.: -20C to +20 C dimention (H 2.5 m- W3 m- L3m) cold room 2 stage unites	
02-06-00699	santiry hot water with hot pump	
	power 3kw , rev 1450 sec , suction 79 mm, discharge 64mm, capacity 14 l/min , head 30m	100
02-06-00700	SPECIFICATIONS FOR TANK TRUCK (GAS OIL - CESSPOOL EMPTIER DRINKING WATER) 1) Truck Specification 1- Type : Forward control 2- Drive sys. 4 X 2 3- Loading Cap. (10.000 liters Gas oil) (8.000 liters cesspool emptier) (10.000 liters drinking water) 4- Dimensions Wheel base about 4.100 mm Overall length about 7.535 mm Overall width about 2.480 mm 5- Engine : Diesel engine water cooled 6- Electrical eq. : 24 Volt, 12 volt X2 Batteries, 120 Ah at 20 hr 7- Transmission : Manual Power assist 8- Clutch : Hydraulic control, single dry plate with air pressure assistance. 9- Tires : Single Front, dual rear 10- Steering : Left hand steering, Ball mute type with integral type hydraulic power booster, Telescopic and tilt steering column with steering lock. 11- Front suspensions: Laminated leaf springs with shock absorbers 12- Rear Suspensions : Laminated leaf springs 13- Front : Parallel, Tapered channel section type with cross - member and reinforcements 14- Fuel Tank : 250 liters 15- Drivers Cab : All steel, tilt cab equipped with A/C 16- Paint : Finish coat, Crystal white 17- Measurement : Metric (Km/h) 18- Caution Plate : Arabic 19- Brakes : Service : Air over hydraulic with dval circuit Parking : internal expanding type on propeller shift Auxiliary : Exhaust brake 20- Cooling system : Radiator : corrugated fin type with pressure cap and surge tank Fan : Multi – blades, steel 2) TANKS : Specifications A – Gas Oil Tank * Capacity: 10.0 KL. Gas Oil * Type : Elliptical cross sectioned cylindrical tank * Tank construction: tank assembly of elliptical shape, constructed with steel plate by electric welding which consists of tank shell, end plate, apparition plate, of lashing and manholes (inside 400mm dia.) each manhole cover is furnished with a filling hatch (inside 230mm Dai.) a dip stick, an air vent valve and a filling point interior surface of tank is zinc painted anti- corrosion.	1000

	<p>* Loading and emptying : emptying by pumping or gravity pump capacity 600 liters/min at 600 r.p.m</p> <p>* Attachments :</p> <p>a- Hose locker Two, both sides of tank shell</p> <p>b- Ladder One, at left side in rear of tank</p> <p>c- Tool box One, mounted on frame</p> <p>d- Bumper One ,rear end of chassis frame</p> <p>e- Fire extinguish Two, both side of vehicle</p> <p>f- Earth reel One, at left side of vehicle</p> <p>g- Earth chain One, at rear of vehicle</p> <p>h- Muffler with spark arrested One, provided at front side of vehicle</p> <p>* Accessories :</p> <p>a- Hose (for suction or delivery) 63mm X 3mm</p> <p>b- Hose wrench</p> <p>* Dip stick is Marked on every 1000 liters</p> <p>B- Cesspool Emptier Tank</p> <p>* Cap : 8000 Liters</p> <p>* Type : Elliptical cross sectioned cylindrical tank</p> <p>* Tank construction : Tank assembly is elliptical shape, and constructed with steel plate by electric welding it consists of tank sheu, and plates, a main manhole, peep holes, 2-way ball valves and blind manholes. Interior surface of tank is zinc painted for anti- corrosion.</p> <p>* Loading and emptying : By vacuum pump (by increasing or decreasing tank pressure).</p> <p>Pump capacity : 2.790 lit/min at 500 r.p.m</p> <p>* Equipment :</p> <p>a- Delivery hose 75mm dia x 6m</p> <p>b- Suction hose 65 dia x 10m</p> <p>c- Tool box one mounted on frame</p> <p>* Color : Finish coat, crystal white</p> <p>C – (Drinking Water Tank)</p> <p>* Capacity : 10.0 KL Drinking water</p> <p>* Type : Elliptical cross sectioned cylindrical tank</p> <p>* Tank construction : tank assembly of Elliptical shape, constructed with stainless plate by electric welding which consists of all its part.</p> <p>And the tank has the parts and equipment that is necessary in the use and carrying the drinking water</p> <p>* Loading and emptying:</p> <p>Loading by pumping and by normal feeding from upper manhole</p> <p>Emptying : by pumping and by gravity</p>	<p>2 PCS</p> <p>2 PCS</p> <p>1 PC</p> <p>1 PC</p>
02-06-00701	over head projection	100
02-06-00702	slide projection	100
02-06-00703	flower making machine	100
	flower making machine with spaer parts warranty 2 years maintenance two years capacity one ton per hours (1000kg/HR)	
02-06-00704	grain crushing mashine mashine	100
	grain crushing mashine mashine with four different pore size sleeve capacity one ton per hour (1000KG/HR)	
02-06-00705	mixer	100
	mixer capacity (1000 KG/HR)	
02-06-00706	oven	100
	oven with fan- hot air for drying animal food medium size	
02-06-00707	pasute making machine	100
	pasute making machine capacite 100 KG/HR	
02-06-00708	hot water boiler 2.5 ton /hr	100

02-06-00709	sealed-acid battery 70A/H/long life	2000
02-06-00710	sealed-acid battery 135A/H-long life	50000
02-06-00711	sealed-acid battery 200A/H-long life	2000
02-06-00712	Ni-cd-battery 6A/H 6V	1000
	Targeted Nutrition Programme	
02-06-00713	field vehicle Transportion of supplies and Monitoring / supervision of the programme 200 (2 cars / district + 26 for governorat and central levels)	1000 each
02-06-00714	Computer (1 per grovermorat , 2 of Baghdad and 4 for NRI) to improve CCCU/PHC database	1000 each
02-06-00715	Fork lift 3 ton (to be used storage places at Governorate for high protein biscut and therapeutic milk)	1000 each
02-06-00716	Motorcycle (one for each PHC center for monitoring at field level)	3000 each
02-06-00717	electric cooking heater (for use at PHCs)	10000 each
02-06-00718	ceiling fans (for use at PHCs/CCCUs)	10000 each
02-06-00719	North of Iraq / health Water tank trunk 8-10000 liter capacity , LHD with Export Specs for Iraq & manuf. Recommended spare for 2 yrs. Operation	2
02-06-00720	equipment :Oxygen factory 1-type (10X-100) 2-production capacity 100 liter/hour 3-purity99.5-99.9% 4-voltage 380V 5-current 600-100A 6-oxygen container of 22000 liter with a- oxygen gas pump b-charging desk	100
02-06-00721	freeze dryes malti shell shell area 5m^2 temp range -50 _ +70 vacum pump 10m^3/hr 220 _ 240V	100
02-06-00722	deep freezer stainless steel intesior capacity 200 _ 250 liters miuoprocessor control digital display tempretare -220 _ -85C 220 _ 240V	100
02-06-00723	vacum packaging + sealing machine 220 - 240V	100
02-06-00724	laminas flow cabinet with bench _ speed control rate 100 fpm 220 _ 240V	100
02-06-00725	analytical balance weishing capasity 205gm 220 _ 240V	100
02-06-00726	drying / sterilization cabin (bio haz and # biological	100

	UV light 220 _ 240v						
02-06-00727	A W U.(air washer unit) tupe 2 bank conter flow type centerfugul single suction fan fan section :-back ward 2nclined blade sizedia.:- 750mm width 188mm no V-belt :-3 jupply air volume 25900 cmH X 106MMAQ retunn air volume OCMH,out door air volume 25900 CMH motor 15KW , 3Q , 380V , 50HZ heatring coil air section :capacity :- 144000 KCAr/H watir flow rate 200L/min water temp (in-out) 83c/71c air temp:-(in-out) (-1.0-15.0) rows & fin ptch 2rows x 2.9mm hatinial copper tube aluminin filter ass.:- NBS 35%						100
02-06-00728	. Tyres and Tubes Required For Health Institutions in Iraq 600 x 14 650 x 14 700 x 15 750 x 16 205 x 16 650 x 16 1200x 20 1100x 20 1200x 24 1000x 20						1500 1500 2000 1500 1500 1000 1000 1000 500 250
02-06-00729	computer computer network to cover pentium 111 with acc:malti media digital camera P.C viewer scanner colour printer printer-laser jet portable screen C.D read-write C.D row flophy disc video blaster with cammera modem						100 100 100 100 100 100 100 5000 10000 100 100
02-06-00730	battery charger						
	typ	capacity	power KW	char ging curre nt	out put voltage	in put voltage	qty
	cadmium Qsc50-86	50AH/5HR	2.1KW	15A	E130-DCV	380V	100
	QE200E-20	200AH/HR	1.36KW	40A	F27-DCV	380V	100
	QE200E-20	200AH/HR	1.36KW	40A	E29.4-DCV	380V	100
	Qfw600E-20	600AH/HR	3.4KW	100A	F27-DCV	380V	100
	QKC80E-40	80AH/5HR	1.92KW	13.75	F56.8DCV	220V	100

	QKC80E-40	80AH/5HR	1.92KW	13.75	E60.8DC V	220V	100
02-06-00731	Mobile lab. For air pollution monitoring (sampling and analysis system)containing (high volume sampler for measuring total suspended particulates (T.S.P.) , carbon monoxide (CO)analyzer ,Sulfur Oxides (SOx)analyzer ,Total hydrocarbon (THC)analyzer, ozone (o3) analyzer, hydrogen sulfide (H2S analyzer) with standard calibration gases for the above analyzers instuments for measuring the meteorological parameters (wind speed & direction , temp, and humidity) in addition to especially programmed computer and calibration unit and data handling unit for the above instruments and electrical power generator						100
02-06-00732	Mobile water lab. Carried by a car containing (pH meter , turbidometer, portable spectrophotometer & spectrophotometer with U.V lamp , dissolved oxygen meter, COD reactor , TOC analyzer, deionizer , distillator , refrigerator , electrical generator						100
02-06-00733	Mobile lab. for monitoring Environmental Background Radiation with all accessories containing :						100
02-06-00734	Sodium iodide crystal with multichemical analyzer						100
02-06-00735	Portable dust samplers						100
02-06-00736	Portable dose (dose- rate) meter						100
02-06-00737	automatic developing and fixing system for processing personal films						100
02-06-00738	Accessories for Rotork analysis model 400 - CO analyzer (Rotork co) :-						
02-06-00739	Mannual for model 400dual been infrared analyzer						100
02-06-00740	Calibration gas cylinder (50 ppm)						100
02-06-00741	boat for river surway (8 horse , using benzene as fule capacity 7 persons						100
02-06-00742	power supply						
	V in-pot	V out-pot	AM	KW	capaste battrey		QTY
	24V DC	380V DC	30A	15KW	182*2		100
02-06-00743	Passengers intercity staff bus .40 to 50 passengers,automatic doors ,diesel engine,air						1000
AXIAL AEROFOIL AND PROPELLER EXHUST FAN							
	fan NO.	block location	TYPE	capacity m3/hr	no. req	external static pressure m.w.a	electric characterishi
02-06-00744	R.F16	B	axial aerofoil with motor inside case.	14000	100	10	4 380/3/50
02-06-00745	R.F17	A	axial aerofoil with motor inside case.	5950	10	5	2.5 380/3/50

02-06-00746	R.F18	A	axial aerofoil	4180	10	7	2.5	380/3/50
02-06-00747	RF.19	A	axial aerofoil	5830	10	10	3	380/3/50
02-06-00748	RF.20	A	axial aerofoil	2870	10	10	1.5	380/3/50
02-06-00749	RF.21	A	axial aerofoil	4280	10	6	1.5	380/3/50
02-06-00750	RF.22	A	axial aerofoil	2500	10	7	1	380/3/50
02-06-00751	RF.23	A	axial aerofoil	5000	10	7	3	380/3/50
02-06-00752	EX.6	A"- ground	axial wall mounted	1200	10	5	0.3	1/220/50
02-06-00753	EX.7	A"- ground	axial wall mounted	2400	10	5	0.6	1/220/50
02-06-00754	EX.8	A"- ground	axial wall mounted	450	10	3.5	0.2	1/220/50
02-06-00755	EX.9	A"- ground	axial wall mounted	700	10	3	0.2	1/220/50
02-06-00756	EX.10	A"- ground	axial wall mounted	3400	10	6	0.6	1/220/50
02-06-00757	EX.11	A"- ground	axial wall mounted	1900	10	4	0.4	1/220/50
02-06-00758	EX.1	C1	propellen	2550	10	4	0.2	1/220/50
02-06-00759	EX.2	C2	propellen	1100	10	0	0.1	1/220/50
02-06-00760	EX.3	A"	propellen	850	10	3	0.1	1/220/50
02-06-00761	EX.5	doct	propellen	1000	10	0	0.08	1/220/50
02-06-00762	EX.4	general	propellen	500	80	0	0.07	1/220/50
ROOF EXTRACTOR SCHEDULE								
02-06-00763	RE-5	A"-first	roof extrachter	1600	200	8	0.5	220/1/50
02-06-00764	RE-6	A"-first	roof extrachter	500	200	5	0.2	220/1/50
02-06-00765	RE-25	A"- ground	roof extrachter	1800	200	8	0.5	220/1/50
02-06-00766	RE-26	A"- ground	roof extrachter	700	200	5	0.4	220/1/50
02-06-00767	RE-27	A"-first	roof extrachter	1300	200	5	0.4	220/1/50
02-06-00768	RE-36	A"-first	roof extrachter	500	200	3	0.1	220/1/50
02-06-00769	RE-17	B- ground	roof extrachter	300	200	5	0.2	220/1/50
02-06-00770	RE-18	B- ground	roof extrachter	1200	200	15	2	3/380/50

[illegible]

	item	no. of phases	no. of polese	voltage	amper	
02-06-00785	circuit breaker	3	4	380V	60A	1000
02-06-00786	contractor		4	380v	60A-40A	1000
02-06-00787	over load		3	380v	60A-40A	1000
02-06-00788	switch			380v		1000
02-06-00789	oxygen supply station and equipment					100
02-06-00790	flometer oxygen center : adapter					100
02-06-00791	telephone instrument					20000
	telephone instrument:- analogve type using both tone and pulse dialing ,suitable for electronic and					
	fan coil unit					
	No. of fan	No. of motor	type of fan coil unit	water temp. (in	capacity (ton)	Qty.
02-06-00792	2	1	chiding horizontal	90	20	500
02-06-00793	21	21	chiding horizontal	20)	(1/4)	500
02-06-00794	2	1	chiding horizontal	(8 - 12)	(2-3)	500
02-06-00795	2	1	chiding horizontal	—	1	500
02-06-00796	motor control board					
	protection devises , the power of the motor as bellow					
	3.5KW					200
	4.5KW					200
	5.5KW					200
	15KW					200
	11.5KW					200
	55KW					200
	75KW					200
	22KW					200
	30KW					200
02-06-00797	briller type writer					500
	german type (portable)					
02-06-00798	record cassette japanese from (60) minate					2000
02-06-00799	record cassette (with out radio) japanese origin or european origin					500
02-06-00800	full set of kits for repairingmaintainins equipment (microelectronic equipment) hearing aids					100
02-06-00801	computer screen for weak resion person (weak sighted)					100
02-06-00802	duplicator recorder cassette					100
02-06-00803	electrical fitting					
	required matrial		power	voltage	size	qty.
	fluoresent		35W	220V	TLD 4x35	2000
02-06-00804	chilled water pump					
	kw	r.p.m	Q L/S	Hm	QTY	
	4	1500	41	7.5	500	
	5.5	1500	20	20	500	
	11	1500	27	35	500	
	15	1500	30	30	500	
	22	1500	65	24	500	
	30	1500	42	42	500	
	20	3000	45	24	500	
02-06-00805	water pump forsenitary (hot water)					
	kw	r.p.m	Q L/S	Hm	QTY	
	3	3000	8.3	32	500	
	5.5	1500	7	35	500	
	11	3000	5.5	50	500	
02-06-00806	water pump for tank					
	kw	r.p.m	Q L/S	Hm	QTY	

	0.75	3000	1.5	60	1000		
	3	1500	5	30	1000		
	5.5	1500	10	30	1000		
	7.5	1500	40	20	1000		
	15	1500	16.6	44	1000		
	22	1450	28	40	1000		
	7.5	3000	1.25	85	1000		
02-06-00807	1) Galvanized Steel Pipes And Fittings Galvanized steel pipes and fitting conforming to BS 1387 or equivalent with 10 bar working pressure, all joints Flange shall be conforming to B.S 4504 part 1. 1-1) Piping:- O 15 mm (6m length /piece) O 20 mm O 25 mm O 32 mm O 40 mm O 50 mm O 65 mm O 75 mm O 100 mm 1-2) Ditto:- but with 15 bar working pressure O 100 mm (6m length / piece) O 150 mm					Pieces	2500
						=	2000
						=	1500
						=	1000
						=	1000
						=	1500
						=	1000
						=	1000
						=	500
						Pieces	500
						=	300
02-06-00808	2) Copper Pipes And Fittings 2-1) Copper tubes and compression or capillary fittings to BS 2871 part 1 table x O 10 mm O 15 mm O 22 mm O 28 mm O 35 mm O 42 mm O 54 mm O 67 mm O 76.1 mm O 108 mm O 159 mm 2-2) Ditto:- but to BS 2871 part 1 table T with fittings O 35 mm O 42 mm O 54 mm O 67 mm O 76.1 mm O 108 mm					M.L	5000
						=	7500
						=	7500
						=	7500
						=	5000
						=	5000
						=	5000
						=	6000
						=	4000
						=	3500
						M.L	3000
						=	3000
						=	5000
						=	4000
						=	4000
						=	3500
02-06-00809	3) Ductile Iron Pipe And Fittings Ductile iron pipes and fittings according to BS 4772 jointing should be flanged type with rubber gasket with 15 O 75 mm (6 m length / piece) O 100 mm O 125 mm O 150 mm O 200 mm O 250 mm O 300 mm O 350 mm O 400 mm					Pieces	500
						=	750
						=	750
						=	1000
						=	2000
						=	1500
						=	1500
						=	1500
						=	1000

02-06-00810	4) Cast Iron Pipes And Fittings			
	4-1) Socketless cast iron pipes and fittings in accordance with BS 437 or equivalent for drain pipes and fittings complete with 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			
	- vertical type			
	O 75 mm	NOS	50	
	O 100 mm	=	100	
	O 150 mm	=	70	
	- horizontal type			
	O 75 mm	NOS	50	
	O 100 mm	=	100	
	O 150 mm	=	60	
02-06-00811	5) Sectional Pressed Steel Tanks			
	Sectional pressed steel tanks shall be consists of (1x1)m dimensions galvanized plates modular or			
	The tank should be provided with all necessary accessories such as floats ventilators, manhole			
02-06-00812	Strip jointing must be provided for all joints.			
	5-1) Pressed steel tank of 100 m³		No.	1
	5-2) Pressed steel tank of 280 m³		No.	1
02-06-00812	6) Water Service Booster Pump Set			
	6-1) Three centrifugal pumps, direct coupled,			
	end suction type arranged to run as two duty/one			
	standby. The pumps have the following			
	specifications:			
	Q= 15m³/hr - H= 65m			
	Casing:- cast iron			
	Impeller:- bronze			
	shaft:- stainless steel			
	Seal:- mechanical			
	Insulation:- class F			
	IP:- 54 suitable for 380V/ 3pH/ 50Hz			
	6-2) Two pneumatic pressure vessel of 2m³ capacity and 10 bar working pressure.			
	complete with oil free compressor			
	6-3) All necessary accessories such as isolating			
	valves on suction and discharge, non return valves, pressure and flow gauges, pressure			
	6-4) Control panel			
	The whole assembly shall be mounted on a purpose mode base from complete with steel		unit	1
02-06-00813	7) Fire Fighting Pumps Set (Wetriser)			

	7-1) Ditto, as item 6-1, but two multistage pumps (horizontal type, one duty / one stand by) Q= 90 m³/hr H= 90M 7-2) Ditto, as item 6-1, but one pump multistage vertical type with Q= 10m³/hr H= 90M (as Jockey pump) 7-3) Ditto, as item 6-3 7-4) Ditto as item 6-4	unit	1
02-06-00814	8) Fire Fighting Pumps Set (Hose Reel) Ditto, as item (7), but without providing Jockey pump. Q= 8m³/hr - H=75m	unit	1
02-06-00815	9) Drainage Submersible Pumps Set Fully automatic drainage pump set, comprises of two pumps, non clogging type, motor squirrelcage, 3pH with Casing:- cast iron Impeller:- cast iron shaft:- stainless steel Seal:- mechanical 9-1) Q= 25m³/hr - H=10M 9-2) Q= 20m³/hr - H=12M 9-3) Q= 15m³/hr - H=12M 9-4) Q= 10m³/hr - H= 10M 9-5) Q= 5m³/hr - H=12M	unit unit unit unit unit	10 10 10 10 10
02-06-00816	10) Sewage Submersible Pumps Ditto for sewage submersible pumps: 10-1) 20m³/hr - H=10M 10-2) 10m³/hr - H=10M 10-3) 5m³/hr - H=12M 10-4) 3m³/hr - H=12M	unit unit unit unit	10 10 10 10
02-06-00817	11) Circulating Pumps Units Electrical inline circulator pumps with variable velocities. Motor of non-over loading characteristics Q= 5m³/hr - H=12	unit	8
02-06-00818	12) Make-up Boosting Pumps Set (Cooling Tower) Ditto as item 6 but with the following specification:- Q= 20m³/hr H= 35M Complete with two diaphragm pressure vessel of capacity 500 liter per each.	unit	1
02-06-00819	13) Water Softener Fully automatic duplex softener complete with necessary accessories such as piping, valves, flow meters, Flow rate= 20m³/hr Inlet pressure= 1.5bar working pressure= 10bar	unit	1
02-06-00820	14) Heavy Duty Filters Fully automatic packaged unit high rate multi-layered sand filters complete with main operating 14-1) Flow rate 30 m³/hr 14-2) Flow rate 60 m³/hr	No. No.	1 1
02-06-00821	15) Activated carbon Filters Ditto , but with activated carbon beds with 10 bar working pressure 15-1) Flow rate 25 m³/hr 15-2) Flow rate 50 m³/hr	No. No.	1 1
02-06-00822	16) Cast iron adaptor 16-1) Cast iron (mentioned in item 4) adaptor to be connected with upvc pipes conform to BS 4514 50 mm 75 mm 100 mm 150 mm 200 mm 16-2) Ditto but be connected with pvc pipes	Nos Nos Nos Nos Nos	100 80 100 60 45

	50 mm	Nos	150
	75 mm	Nos	75
	100 mm	Nos	90
	150 mm	Nos	50
02-06-00823	<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
02-06-00824	<u>18) Sanitary Fixtures</u> Vitrus china (or equivalent) sanitary fixtures of white colour .All fixtures shall be of the best quality . 18-1) Eastern style wc (100 mm s trap) supplied with vitrus china cistern of 14 lit capacity complete	Nos	80
	18-2) Ditto , but "P" trap	Nos	75
	18-3) Ditto , but western style wc supplied with cast iron cistern of 14 lit-capacity complete with	Nos	70
	18-4) Ditto ,but wash basin complete with vitrus china stands, shelves and soap trays.All the 25mm chromium bottle (or"p") trap 15mm chromium plated mixer and 3.5 bar resisting pressure	Nos.	300
	18-5) Ditto ,but bedit complete with:- - 40 mm chromium plated bottle trap (or 'P') -15 mm chromium mixer and 3.5 bar resisting pressure.	Nos.	100
	18-6) Cast iron shower tray , complete with 15 mm chromium plated mixer with 15 mm flexible - Tray size 800x800	Nos	100
	18-7) Ditto, but bath tub , complete with 15 mm chromium mixer with 15 chromium tube with head shower .The bath shall be provided with	Nos	50
	18-8) Ditto as 18-5, but for urinal complete with - 9 lit vitrus china automatic cistern complete with flushing pipe - 32 mm chromium plated bottle trap ('p' trap) - partitions	Nos	60
02-06-00825	<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
02-06-00826	<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	Nos. Nos. Nos.	120 50 70
	20-2) Ditto, but heavy duty - Diam 550 mm	Nos.	200
	20-3) Ditto, but heavy medium grating and frames 600 x 450	Nos.	100
	20-4) Ditto, but for Hydrant cover and frame 500 x 350	Nos.	100
	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.	Nos.	75
	20-6) Ditto, but roadway gratings and frames 500 x 350	Nos.	500
	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
02-06-00827	<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 21-2) Ditto,but consists of 2 nozzels 80 mm forward nozzle and 65 mm side way nozzle	Nos. Nos.	50 50
	21-3) Ditto , but fire and washing hydrant consists of iron body . The box enclosing on outlet nozzle 80 mm hydrant 65mm nozzle	Nos	50
02-06-00828	<u>22) Hose Reel & Wet Riser / Cabinet</u> 22-1) Hose reel cabinet accomodates a manually or automatically operated swinging hose reel which		

	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	Nos.	25
	22-2) Ditto, swinging open wall hose reel Diam:- 560 mm Overall height:- 610 mm Width:- 250 mm	Nos.	10
02-06-00829	<u>23) Dimener lized water</u> Full automatic , Duplex Dimenerlizer complete with necessary accessories such as piping , regulating valves ,valves , flow meters , pressure gauges complete with control paneletc. - flow meter 25 m3/hr - inlet pressure 1.5 bar - working presure 10 bar	set	1
02-06-00830	<u>24) Distilled Water</u> Ditto , but Duplex Distiller , but of flow rate 20 m3/hr	set	1
02-06-00831	<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.C'/Kcal Ent. Water temp . =11.6C' Leav. Water temp . =6 C' Max. water pressure drop =6 M.water Gauge <u>Condenser Data</u> Fouling factor= 0.0004 m3.hr.C'/kcal Ent. Water Temp = 29.4 C' Leav. Water Temp =35 C' Max. water pressure drop =7 M.water Gauge Capacity 1200 000 kcal/hr (400 ton)	4	Nos.
02-06-00832	<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
02-06-00833	<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 Hot water pump capacity 14 L/S Head 42 m Condenser water pump capacity 76 - L/S Head 18 m	Nos. Nos. Nos.	4 4 4
02-06-00834	<u>Cooling Tower</u> <u>Type- outdoor</u> forced draft <u>casino - hot dip</u> galvanized steel of min thickness 1.6 mm Lowers , eliminators and air inlet screen are hot dip galvanized steel Full: shall be polyvinal		
	<u>Basin-</u> shall be hot dip galvanized steel of min - thickness 3.5 mm <u>Water distribution</u> shall be galvanized steel pipes with bronze non - clog spray nozzles <u>Motors</u> Outdoor use with class " F" insulation <u>Electric power</u> 3 phase / 380v/50HZ <u>Water Temp</u> IN- 35 C' out 29.4 C' <u>Out door wet bulb</u> temp- 27 C' Heat Rejection Capacity 1500 000 K cal/ HR	Nos	4
02-06-00835	<u>Roof Top Packaged</u> A/C unit - Air Cooled Max ambient outdoor working temp -52C'		

	Entering Air temp to condenser -46C' Unit shall be complete with filter thermostat Capacity 69000 kcal/hr Capacity 56000 kcal/hr Capacity 45000 kcal / hr Capacity 33000Kcal / hr	Nos. Nos. Nos. Nos.	10 8 8 6
02-06-00836	Roof Ventilator Horizontal discharge Power 400v/3ph/50 hz Unit shall be complete with back draught shutter, bird guard local isolating switch and speed control External static pressure 6mm .W.G Capacity 1200 m3/hr Capacity 2000 m3/hr Capacity 3000 m3 /hr Capacity 4000 m3/hr	Nos. Nos. Nos. Nos.	10 10 10 10
02-06-00837	Supply Air Linear slot diffuser <u>Diffuser shall be constructed from Aluminum natural colour</u> solt width 19mm integral volume control damper,fully adjustable from the face of the diffuser <u>complete with air deflection blode+B400s,mounting bracket.</u> A) 3 SLOT B) 4 SLOT C) 5 SLOT		
		M.L M.L M.L	1000 1000 600
02-06-00838	Supply Air square diffuser <u>alumin. construction</u> <u>complete with volume control damper of opposed blade type</u> A) size (neck)mm 225x225 B) 300x 300 C)375 x 375	Nos. Nos. Nos.	200 300 300
02-06-00839	Supply Air Re+B224gister aluminum construction with volume control damper. adjustable front horizontal bars and rear vertical adjus. bars neck size (B x H) mm 400 x 150 500 x 150 600 x 150 700 x 150 800 x 200 900 x 200	Nos. Nos. Nos. Nos. Nos. Nos.	100 100 100 100 100 100
02-06-00840	Exhaust Air Valve shall be aluminum white colour complete with counter frame nominal diameter mm Diam. 100 Diam. 150	Nos. Nos.	20 20
02-06-00841	Piping Black steel class B,schedule 40,with 10.5 Kg/cm2, seamless with fittings.B432 pipe size(mm diam.) 300 250 200		
		M.L M.L M.L	500 1000 1000

	Black	Coils	500
	Blue	Coils	500
	Yellow	Coils	500
	Grn/Ylw	Coils	500
	B-4 6mm²		
	Red	Coils	500
	Black	Coils	500
	Blue	Coils	500
	Yellow	Coils	500
	Grn/Ylw	Coils	500
02-06-00848	<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
02-06-00849	<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 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
02-06-00850	<u>A -Panel distribution boards:</u>		
	Three-phase and neutral distribution		
	boards voltage 415v AC 50 HZ BS 5486		

	<p>IP230 with door and lock to fixed in the wall (flush type) with Earthling terminal bus bars and with A-1 Distribution board 6 triple pole MCB ways 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- Main in coming 100A MCB three phase Single poles MCB 15A 15 NOS. Single poles MCB 30A 9NOS. A-3 distribution bord 12 triple pole mcb warpmain Incoming 160 mcb three phase single pole mcb 15 A 20 Nos single pole mcb 30 A 16 Nos A-4 SPARES single pole mcb 15 A single pole mcb 30 A</p>	<p>NOS.</p> <p>NOS.</p> <p>NOS</p> <p>NOS</p> <p>NOS</p>	<p>25</p> <p>25</p> <p>25</p> <p>100</p> <p>100</p>
02-06-00851	<p><u>Switches and Sockets</u> A- SWITCHES Switches 250v 15 or 20 amp fluch mounting-white cover A-1 one way 1 gang A-2 two way 1 gang A-3 one way 2 gang A-4 one way 2 gang A-5 one way 3 gang A-6 one way 4 gang B-SWITCHES SOCKETS 3 pin Rectangular bs 2814- 13 or 15 Amp Fluch mounting-white cover Bs 1863 B-1 3pin rectangulaectan-13 Amp B-2 3pin rectangulaectan-Duplex13 Amp B-3 3pin rectangulaectan-15 Amp B-4 2Amp Telephone socket B-5 T.Vsocket single out let</p>	<p>NOS</p> <p>NOS</p> <p>NOS</p> <p>NOS</p> <p>NOS</p> <p>NOS</p> <p>NOS</p> <p>NOS</p> <p>NOS</p> <p>NOS</p> <p>NOS</p> <p>NOS</p> <p>NOS</p>	<p>500</p> <p>500</p> <p>500</p> <p>500</p> <p>500</p> <p>500</p> <p>5000</p> <p>5000</p> <p>5000</p> <p>5000</p> <p>1000</p>
02-06-00852	<p><u>Fire Alarm System</u> A-1) central Indication and control panel suitable for 6 fire zones with fire alarm bell complete with all safety device and outomatic charger including nickel cadmium battery with connection to the central Indicating and control board A-2)Manual call station break glass units- surface mounted- red coulour the glasses can be supplied in english language A-3) complete with amounting base outomatic smoke detector off white coulour withvisual of an alarm is given by red light diode clearlyn visble on the detector casing ambient temp range (0c- 50c) A-4)complete with a amounting base amount- ing heat detector with visual Indication</p>	<p>No.C741</p> <p>NOS</p> <p>NOS</p>	<p>1</p> <p>15</p> <p>70</p>

	of an alarm is given by red- light diode, clearly visble on detector with base off white colour ambient range (0c- 40c) A-5) Indoor fire alarm bell 24v.Ds black poly- carbonete base.6" hight reliability, long running life and easy installation,nomain- tenace in normal use.	NOS	10										
		NOS	15										
02-06-00853	Light fittings:- NOTE: Below mentioned fluorescent fittings . are security quick startPower factor not lessthan 0.9 Lagging 240 volt-AC 50HZ. A-1) 2 x 40w fluorescent fitting with Lamella louver -recessed mouting A-2) 2 x 40w fluorescent fitting with Lamella . louvre-Surface mounting A-3) 1 x 40w fluorescent fitting with Lamella lovre-Recessed mounting. A-4) 1 x 40w fluorescent fitting with Opal Diffuser-Surface mounting. A-5) 2 x 20w fluorescent light fitting with Opal Diffuser-Surface mounting. A-6)4 x 20w fluorescent light fitting with Opal Diffuser-Surface mounting. A-7)60 X 60 cm Fluorescent light with lamela diffuser	NOS NOS NOS NOS NOS NOS NOS NOS NOS	 400 250 400 250 500 500 400										
02-06-00854	Aluminum false ceiling closed type with all fixing accessories 30 x 60 cms 30 x120 cms 60 x 60 cms 10 x 360 cms suspension accessories and angle bead	M² M² M² M² M²	4000 4000 12000 5000 25000										
02--06-00855	Door closers Yale type or equivalent with all accessories	No.	100										
02--06-00856	Expansion joint beads 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										
02-06-00857	Special doors frames and door leaves different dimensions,with door handles (cylinder and bath).	No.	450										
02-06-00858	Anti static Vinyl tiles 120cm width, 3.5 mm thickness, with welding rods and fixing materials.	M²	500										
02-06-00859	Ceramic tiles 10 x 10 cm, 6mm thick, non-slip ceramic	M²	3500										
02-06-00860	Epoxy paints for walls	Lit	3000										
02-06-00861	Metal Lath 60 x 240 cm, weight 1.7 kg/m2	M²	5000										
02-06-00862	diesel pump												
	<table><tr><th>HP</th><th>r.p.m</th><th>Q m^3/hr</th><th>Hm</th><th></th></tr><tr><td>60-75</td><td>1450</td><td>200</td><td>60</td><td>100</td></tr></table>	HP	r.p.m	Q m^3/hr	Hm		60-75	1450	200	60	100		
HP	r.p.m	Q m^3/hr	Hm										
60-75	1450	200	60	100									
02-06-00863	electrical pump												
	<table><tr><th>HP</th><th>r.p.m</th><th>Q m^3/hr</th><th>Hm</th><th></th></tr><tr><td>60-75</td><td>1450</td><td>200</td><td>60</td><td>100</td></tr></table>	HP	r.p.m	Q m^3/hr	Hm		60-75	1450	200	60	100		
HP	r.p.m	Q m^3/hr	Hm										
60-75	1450	200	60	100									
02-06-00864	NON-ION IC WATER SYSTEM 1-capasity:-3-4 m^3/hr 2-conductivity (mixing Of + and -) :- (0.1 - 0.5)MS 3-raw water input main components 1-primary water tank (1m^3)		100										

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 filter	power (KW)	no of motor	type of air (AHU)		connecti size on	air flow		water flow		water temp		capacity	qty
				other type	in-line		for cooling	for heating	for coolin g	for heatin g	for cooli ng	for heating		
02-06-00865	type	15	1	—	in line	2.5mm	8 12	8 12	102	45.5	8 12	8 12	350	6
02-06-00866	type	17 5.5 10	1 14	—	in line	in50 mm out 50m m	29153	29153	3581	1750	7.2 5	82.2 30 - 50	5000	7
02-06-00867	type	4.1 11	1	—	in line	62.5	5500/ 2200	5500/ 2200	13	13	9 11	9 12	50	2
02-06-00868	type	3.75	1	—	in line	in36 mm out 36m m	11864	11864	15.12	5.34	7.3	82.2	5000	1
02-06-00869	type	7.5	1	—	in line	in50 mm out 50m m	26271	26271	21.36	6	7.2	82.2	5000	1
02-06-00870	type	7.5	1	—	in line	in36 mm out 36m m	22881	22881	21.12	7.32	7.2	82.2	5000	1
02-06-00871	type	7.5	1	—	in line	in50 mm out 50m m	23220	23220	39.48	17.96	7.2	82.2	5000	1
02-06-00872	type	9.3	1	—	in line	in50 mm out 50m m	25424	25424	51.7	21	7.2	82.2	5000	1
02-06-00873	type	5.625	1	—	in line	in50 mm out 50m m	15424	15424	31.32	12.81	7.2	82.2	5000	1
02-06-00874	type	9.3	1	—	in line	in50 mm out 50m m	29153	29153	59.5	24.4	7.2	82.2	5000	1
02-06-00875	type	2.25	1	—	in line	in50 mm out 50m m	8485	8485	14.7	7.2	7.2	82.2	5000	1

02-06-00876	MZ	7.5	1	—	in-line		30	30	40	40	6_12	82	00 lit/m	16
02-06-00877	normal	10KW	1	—	in-line	2" inch	—	—	—	—	6_12	75-50	40 ton	5
02-06-00878		7.5	7	X	—	3inch	X	X	X	X	7_	80	9500m^3/hr	7
02-06-00879	—	4	1	—	in-line	—	30	30	40	40	6_	60	72.000 BTU/hr	8

air handling unit (AHU)														
	type of fulter	power (KW)	no of motor	type of air (AHU)		connecti size on	air flow		water flow		water temp		capacity	
				other type	in-line		for cooling	for heating	for coolin g	for heatin g	for cooli ng	for heating	for coolin g	for heatin g
02-06-00880	No.of AHU 15 N.B.S 35%	18.5	1		in line		32.700 M^3/H	32.700 M63/H	55 L/Mi	07 L/Mi	7C/12C	83/71C	189.550 KAL/H	68.200 KAL/H
02-06-00881	No.of AHU 19 N.B.S 80%		55	1	in line		64.900 M^3/H	64.900 M^3/H	202L/Mi	33 L/Mi	7C/12C	83/71C	150.200 KAL/H	400.200 KAL/H

fan coil unit							
	no.of fan	no.of motor	type of fan coil unit		temp. (In-out)	capacity (ton)	qnt.
			ground complete	chiding			
02-06-00882	2	1	ground	—	9_12	2	52
02-06-00883	1	1	—	chiding horizontal	70-11c	3ton	350
02-06-00884	1	1	ground	—	70-11c	2ton	30
02-06-00885	1	1	ground	—	70-11c	2ton	30
02-06-00886	1	1	ground	—	70-11c	2ton	25
02-06-00887	3	1	10	18	6_12	40ton	28
02-06-00888	4	20	10	10	10_12	2ton	20
02-06-00889	2	2	ground	—	(5_10)c	2ton	100

02-06-00890	cold stor						100
	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 0.6mm and the inside walls made from aluminum sheet 0.6 mm,the out sid and the insid walls injected 6-the floor made of jacker plane from aluminum 7-the door is hinged type 16C) 9-the compressor is semi hermetic type 10-the cold store supplied with all the complete control (oil pressure,high-low						

02-06-00891	refregrater						100
	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	
02-06-00892	water ion exchanger capacity:-20lit/hr	100
02-06-00893	machine for sealing bottles of plastic & aluminum caps	100
02-06-00894	central oxygen system <i>capacity:- 20 cylinder</i> 1-tow stages (pressure) a-first stage 160 :- 10Kg/cm^2 b- second stage 10 :- 4Kg/cm^2 right 10 clinder lift 10 :- 4Kg/cm^2 control system 24V 2-nitrous system 2 clinder a-first stage 60 - 9Kg/cm^2 b- second stage 9 - 4Kg/cm^2 control system 24V 3-midical gas normal & stand by compress air oilless 2 5 start Kg/cm^2 7stop Kg/cm^2 reducing valv for pressure filter system pressure lin 4Kg/cm^2 bottle for air 4-centeral - vacuum valume line 1-bottle 2-check valve working pressure start pressure (vacum) 300 mmg stop 500 mm /Kg 300 - 500 mm/Kg	100
02-06-00895	softener continuos softener supply as following 1-max.flow :- 1m^3/hr 2-resin - strong cationic resin sodium base 3-power supply 220V or 380V 50HZ	100
02-06-00896	high tension switch gear vacumm type 11KV input - 420V out put -3ph -800A with complete protection devise	100
02-06-00897	softener continuos softener supply as following 1-max.flow :- 1m^3/hr-cationic resin sodium base 2-power supply 220V 30W 50HZ	100
02-06-00898	Absolute filter size:- 505mm X 504mm x 150mm dop - test :- 990997%	200
02-06-00899	cold room 3X2 meter	100
02-06-00900	PC computer pantum III	100
02-06-00901	particle detector instrument used to test air purity by filters (HEPA filters)to assess quantity of particles	100
02-06-00902	cold sterilizer sterilizer metal and non-metal instruments as well as sophisticaled heat and moisture	100
02-06-00903	Table top dry hot air sterilizer	100
02-06-00904	table top formation sterilizer	100

02-06-00905	Atoclave poruos material 4ft3				100
02-06-00906	Plastic seeling machinc (with several role niylon)				8for equipment and (500) for rolles
02-06-00907	0.6 /1.2 kv single core cables , with flexible stranded circular copper conductors				
	Nomial cross section area mm2				Quantity
	120				20000 meter
	240				400000 meter
	300				120000 meter
	3x50 +25				60000 meter
02-06-00908	Multy core cables , with flexible stranded copper conductor ,PVC insulated and no. of cond.x cross section area				Quantity (meters)
	2x1.5				20000
	2x2.5				20000
	2x4				10000
	2x6				6000
	4x2.5				10000
	4x4				20000
	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
02-06-00909	Multicore cables with stranded copper conductors PVC insulated , steel wire				
	3x35 +16				4000
	3x50 +25				4000
	3x70 +35				10000
	3x95 +50				4000
	3x150 +70				4000
	3x185 +95				4000
	3x240 +120				4000
	3x300 +150				4000
02-06-00910	Cable terminals for cable sizes from 10 mm^2 to 300 mm^2				2000PIEC ES FOR EACH SIZE
02-06-00911	ELECTRICAL -HYDROLIC TERMINAL PRESS MACHINE				100

02-06-00912	MANUAL - HYDROLIC TERMINAL PRESS MACHINE	100
02-06-00913	EQUIPPED MOBILE LAB. FOR OCCUPATIONAL HEALTH AND SAFETY	100
02-06-00914	EQUIPPED MOBILE LAB. Containing (noise level analyzer vibration analyzer	100
02-06-00915	DO for cheking(BOD) , (ultra-dometer)	100
	instrument for determination of quantity of the mount of biological oxygen in extracts . Service system	
02-06-00916	electric refrigerator	100
02-06-00917	kerosen refrigerator	100
02-06-00918	vedio casset + CD	100
02-06-00919	colour televsion (size : 24 note)	100
02-06-00920	telephone instrument	100
02-06-00921	refregerated centrifuge	100
02-06-00922	refregerated /heating water circulater (-10 TO 100 C)	100
02-06-00923	freezer (-70)	100
02-06-00924	refrigerator	100
02-06-00925	microbiological safety cabinet and chemical hood and laminar air flow cabinet	100
02-06-00926	phpto copy machine	100
02-06-00927	cuntarl station computer	100
	& terminal	100
02-06-00928	cold room	100
02-06-00929	office operator with 100 lines	100
02-06-00930	power amplifier (100W)	100units
	model :- lbb 1103 (phillips)	
02-06-00931	air compressor	100
	small for aeration of water sample (1-SL) sample valume	
02-06-00932	liquid nitrogen container of medium size (20 litres capacity)	100
02-06-00933	softener	100 100 100
	saadam medical city	
	max flow:-90m^3/hr	
	max flow:-70m^3/hr	
	max flow:-50m^3/hr	
	general softener specification	
	dual/duplex system	
	resin:-strong cation	
	by epoxy paint, eith manhole at tap.	
	valve:- amain multiport valve ,manual and automatic operation	
	brine tank:-poly then with stainer and loose fit couer	
	operation:- flow counter supplied to intiat regeneration cycles	
	piping :- all piping including salt 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 catios 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	
02-06-00934	ELECTRICAL OPERATED DOORS	28 nos
	1-electric doors shall be of the type sually useel in hos pitals.	
	2-each door shall be supplied and operated by push button.	
	each two double doors to be electrically inter - locked.	
	NO. 8-groups each group	
	(2)double doors	

	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> training during installation. 10-on job trining should be offered band (148-174MHZ). likewise for the fixed and mobile units. The handheld tx power should 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	capacity L/min	suction m m	P(KW)		QTY
02-06-00942	sewage submersible pump	—	22m	400L/min	discharge 100 mm	7.5KW	dischar	10
02-06-00943	water pump for sanitary HP2	vertical	15m	50L/min	suction 32m m	0.75KW	—	10
02-06-00944	water pump for sanitary HP3	vertical	20m	100L/min	suction 40m m	1.5kw	—	10
02-06-00945	chemical dosing pump for cooling tower	vertical	—	10kg/cm2 110cc/min	suction 2inch	30watt	r.p.m= 1300	10
02-06-00946	circulating water pump HP	vertical	29.7m	320 L/m	—	2.2	r.p.m= 1470	10
02-06-00947	submersibte pump SP	—	10m	1000L/m	100 mm	3.7	r.p.m= 1500	10
02-06-00948	eng camera							
	item No.	desccription	quantity (state unit)					
	1	betacam sp camcorder camera PVW-D 30 PF	500					
	2	play back adaptor VA-300P	500					
	3	rechargable NI - CD battery	500					
	4	AC adapter AC - 550 CE	500					
	5	battry case DC - 520	500					
	6	chest pad CAC - 4	500					
	7	microphone holder CAC 12	500					
	8	battry charger BC - 1 wdce	500					
	9	wirless receiver (complete)	500					
	10	betacam sp 20 min. metaltape	500					
	11	betacam SP 30 min. metaltape	500					
	12	tripod - vision 10 lf complete set	500					
02-06-00949	A/B roll editing system with DFS - 500 P (digital effects)							quantity (state)
	item No.	complete description of item	quantity (state)					
	1	betacam sp recorder	100					
	2	betacam sp player	100					
	3	editing control unit	100					
	4	vtr interf ace	100					
	5	serial switche interf ACE	100					
	6	B/W data display	100					
	7	bme switcher	100					
	8	serial switche interf ACE	100					

[illegible]

REGULATOR AND SUPPLIES.	
RESUSCITATOR COMPLETE WITH CYLINDER.	1 FOR EACH
RESTRAINING STRAP FOR RESUSCITATOR.	1 FOR EACH
SUCTION SYSTEM	
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	
RESTS WITH SIDE HANDLES, COMPLETE WITH MATTRESS	
SPARE STRETCHER	
SPREADER BARS AND VINYL COATED NYLON FABRIC.	
REAR BUMPER STEP	
REAR BUMPER.	
BOTTLE HOOKS	
HOLD FLUID AND BLOOD TRANSFUSION BOTTLES.	
SPARE STRETCHER HOLDER	
PROVIDED TO HOLD SPARE STRETCHER WHEN	
EXHAUST-VENTILATOR FAN	
BE INSTALLED.	
REAR BUMPER STEP	
REAR BUMPER.	
BOTTLE HOOKS	
ROOF TO HOLD FLUID AND BLOOD	
ANTENNA	
AMBULANCE AT THE ROOF.	
EQUIPPED WITH RADIO (WIRELESS	
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.	
ALTERNATOR AND BATTERY.	
HEATER FOR BOTH DRIVER AND PATIENT	
SIDE DOOR: SIDE DOOR AT THE RIGHT SIDE.	
SIDES.	
ODOMETER.	
MIRRORS: ONE INSIDE and TWO OUTSIDE REAR VIEW.	
TIRES :HIGH QUALITY INCLUDING SPARE.	
BEACON OF THE FOLLOWING TYPES:	

100WATTS OUT-PUT POWER. LONGITUDINAL A LONG THE WIDTH ON THE FRONT ROOF COMPARTMENT. -ACCESSORIES: AUTO JACK WITH HANDLE and WHEEL WRENCH. TOOL KIT BAG. HAZARD WARNING TRIANGLE FIRE EXTINGUISHER. FOLLOWING IS TO BE SUBMITTED -WORKSHOP MANUALS (2 COPIES IN ENGLISH). -SPARE PARTS CATALOGUES (2 COPIES IN ENGLISH). 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
02-06-00952	freezer -80 1-horizintal 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	100
02-06-00953	freezer -20 1-horizintal 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	100
02-06-00954	lab - refrigerator 1-14cupic feet type with lock for freezing & refrigrater 2- double door one for freezer (- 10c) & one for refrigrater (4 - 8c) 3- freezer :- parttions 2 or 3 with drawers for freezing samples (_ 10c) with (D R I N) out let for washing and sterlization 5- heavy duty compressor with fan for cooling purposes the front side 7- refrigrater have atomatic defrost system 8-220v/50HZ/ 1 PH 9- R134	100
02-06-00955	blood bank coold store inside temp from 1C to 6C at the following ambient conditions summer : DBT 50 C	100

	<p>WBT 25 C</p> <p>winter : DBT 1C</p> <p>WBT -3 C</p> <p>Internal volume : not less than 50 cubic meters</p> <p>A) construct ion : erect</p> <p>aluminum, floor made of heavy gauge anti – slip aluminum</p> <p>weather proof coating to make it suitable for out-door installation</p> <p>temperature in the specified ambient condition but shall be not less with keys. Door handle can be operated from inside & outside. Low on top of it. Shape size & material of shade shall be suggested by the</p> <p>7- external dial thermometer must be provided</p> <p>8- Audio & visual alarm for high temperature must be fitted</p> <p>opens</p> <p>10- air curtain by the door operates automatically when door opens</p> <p>sides shelves shall be grid type accommodating heavy blood bank</p> <p>12- (7 days recorder</p> <p>B) .REFRIGERATION SYSTEM</p> <p>being capable to maintain the required internal temp. at the</p> <p>C) Electrical system</p> <p>phase , 220V, 50 HZ, supply or from 3</p> <p>D) Spar parts 5 years</p>	
02-06-00956	Developed operating washing tube	100
02-06-00957	Pill or Pill with accessories and read - write CD - drive	100
	printer EPSON LQ - 2180	100
	laser - printer 10 L	100
	page printer	100
	U.P.S	100
	reglater power 10AMP	100
	reglater power 20AMP	100
	white board	100
	over head pros	100
	sidlater	100
	disk 3.5	500
	laser - disk	100
02-06-00958	<p>intercom system</p> <p>with special faelities and 100 or 50 slave station, the system</p> <p>installation the systems on siltes</p> <p>one year earranty and two year maintenaes</p> <p>complete sets of drawing and manuel and catalogues</p> <p>spetionl too kit for each system</p> <p>training coerse 4 engineers for 3 weeks , on factory</p> <p>spare parts for two years</p>	<p>with 50 slave</p> <p>with 100 slane</p>
02-06-00959	<p>clock system</p> <p>central clock system contoins:-</p> <p>a- master clock</p> <p>b- single face slave clock</p> <p>c- double face slave clock</p> <p>d- special clock for operating theater</p> <p>c-time machine</p> <p>of manuals and catalogies and drawing spare parts for two</p> <p>training coerse on factory for 3 engineers for 3 weeks</p>	<p>500</p> <p>500</p> <p>500</p> <p>500</p> <p>500</p> <p>500</p> <p>500</p>
02-06-00960	<p>electrical switchs and souket</p> <p>1-single switch 220V /up to 15A - B.5</p> <p>2-double switch 220V / up to 15 A - B.5</p>	<p>50000</p> <p>50000</p>

	3-fribre switch 220V / up to 15 A - B.5 4-four way switch 220V / up to 15 A - B.5 5- mercury switch 220V / up to 15 A - B.5 6- electrecal out let 220220V / up to 13 A - B.5 13A - B.S 7- electrecal out let 220220V / up to 15 A - B.5 13A - B.S	50000 50000 50000 50000 50000																																																																																																		
02-06-00961	over loads																																																																																																			
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02-06-00962	contactors																																																																																																			
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02-06-00963	automatic sliver recofery power 220v , 50hz single phase capacity (20liter - 40liter) not more or less than	1000																																																																																																		
02-06-00964	sound and interpretation system to bring an immediate translation of 4 foreign language and thirth floor language ranging from 0C to 50C and relative humidity of up to 70% thebasic constituents of the system:- 1-central control desk microphones,has been specially designed for ease of operation.housed in an volume control. These enable the controller to accurately balance the difference separately. individually. volume control adjusting the sound level. Tow language selectors. D-one monitor loudspeaker. E- 4 volume controls. F-one headphone socket for monitoring. G-4 push - buttons for signals to the interpreters H-4 pilot - lamps for signals from the interpreters the sound intensities on the 5 channels . The push - button and pilot lamps avoid too large a variation in voice level between different speakers connections for tape recorders are available. 2-chairman s microphone	500																																																																																																		

	3-scanner :- optical resolution (at least 600 X 1200dpi)	1
	4-laser printer :-A4 (at least 600 dpi X 600dpi resolution)	4
	5- colour printer :- A3 color inkjet printer	1
	6-CD - ROM writer:- CD RW 32 X4X4 SCI	1
02-06-00969	BLOOD COMPONENT DEEP FREEZER double compressor capacity 26.232 fee^3 40.450fee^3 type 0f freez :-5 vertical 5 horizntal tem. :- 0 - 80C	100 100
02-06-00970	electronic sphggmomanometer	100
02-06-00971	cloth auto calve capacite 10 for sterilization surgical cloths	250
02-06-00972	medical video recorder system type olympus for recording TV presentation for	250
02-06-00973	Deep freezer 1-vertical type & modile 2-temperture :- from zero to minus 60C (D-60C) 3-capacity :-26cubic foot (f^3) 4-voltage :-220 volt 5-frequency :-50 HZ 6-compressor :-singh phase case of any defect or damage in the main compressor (S) 8-alarm system sensitive to any incremenf in the temperature beyond the desirabl degree 9-thermometer & temperture recorder fixed on the outer surface of the deep freezer 10- moving drawers alony rach of incorrosive stainless steel 11-the inner sarfaces of the deep freeeaers showd be of in corrosive stainless steel 12-titanble with lock a keye. 13-insulator of best quatity.	
02-06-00974	washer extractor 30KG	100
02-06-00975	closed circuit TV 1-close circuit TV systems for microscopic projector 2-close circuit TV systems from the endoscopes to the lecture room	100
02-06-00976	FREEZER a-size 14 feet b-six vertical and four horizontal c-storage temperature (-20C)	100
02-06-00977	FREEZER a-size 16 feet b-vertical type c-storage temperature (-80C)	100
02-06-00978	REFRIGERATOR a-size 16 feet b-vertical type c-storage temperature (0-5)	100
02-06-00979	INCINERATOR A-size 1.0 X 1.5 meter b-height 8 meters	100
02-06-00980	telephone exchange fuel a automatic b-with 10 external lines and 60 internal lines . (each).	100
02-06-00981	washing machine a-heavy duty b-size :-2(with washing capacity of 25 - 30 KG) and 1 (with washing capacity of 15 - 20KG)	100
02-06-00982	BOILER A-SMALL SIZE (OUT PUT CAPACITY 2250000 b.t.u/hrs) max. working pressure (65)psi	100

	b-large size (out put capacity 3250000 b.t.u/hrs) max . Working pressure (65)psi	
02-06-00983	freezer 1-vertical type & modile 2-temperure :- from zero to minus 60C (D -60C) 3-capacity :-26cubic foot (f^3) 4-voltage :-220 volt 5-frequency :-50 HZ 6-compressor :-singh phase case of any defect or damage in the main compressor (S) 8-alarm system sensitive to any incrementf in the temperature beyond the desirabl degree 9-thermometer & temperure recorder fixed on the outer surface of the deep freezer 10- moving drawers along rach of incorrosive stainless steel 11-the inner sarfaces of the deep freeaers shoud be of in corrosive stainless steel 12-ttanble with lock a keye. 13-insulator of best quaity.	100
02-06-00984	cold water storage pressed steel sectional tanks 1-dimensions of lower tank (7320 x 3660 x 3660)mm dimensions of upper tank (6100 x 3660 x 1220)mm 2-diameters of in and out pipes should be as follows:- lower tank diam.of inlet pipe with flange and mechanical type float (brass type) 100mmQ diam. Of outlet pipe with flange 100mmQ diam. Of over flow pipe with flange 100mmQ diam. Of drain pipe with flange 100mmQ diam . Of vent pipe with flange 50 mmQ upper tank same dimensions as above (but with out float mechanical float) 3-explaining the quantity of galvanization in gm/m^2 4-pipes with flanges for mlet , out let , drain , etc should be welded before galvanization	200
02-06-00985	accident emergency ambulance partition :- sturdy material (press wood not to be used) with smooth surface at both side. partition window:- of roof height patienty eompartment:- the patienty compartment is to be fully insu - lated. roof hight:- in sid height more than 1850 mm. With out the thickness and rein fore ment. flooring: ttigh gnality flooring material cemented to a suitable type of wood with aluminum molding identification:- the ambulance is to be identified as follows:- _ it is to be parted clear white. the rear and one on the front medicine cabinets:- compartment space and shelf space to be conveniently located for medical supplies to not more than (75)c.m high removal of cabinet is to be easy to facilitate bady repair in technician seat - froni: provision of atechnician seat at the front of the patients compartment. technician seat -rear: provioion of a techniecian seat at the foot of the pts on the right end side. inlighting system: the pts compartment slectrical system isto be separated from the truck. resusciliaion :	200

a-two oxygen bottles each of 1500 liter capacity secured within the left wall cabinetry.
b-two spare oxygen bottles of 500 liter capacity in stowage cabin.
humidifier bottle.
d-three size oxygen masks one for each adult child and infant.
e-three plastic catheters two of each no. 10f.
f-one mouth to mouth ventilation mask

suction system

one vacuum apparatus including an electric driver pump (with rechargeable battery)

first aid equipment:

first aid kit is to be provided containing the following

1-twenty pads - localized pads

2-twelve compressive bandages

3-four 10 cm elastic strips

4-six gauze bandage three of 75mm and three of 150mm

first aid equipment:-

1-twenty gauze pads 10 cm by 10cm individually wrapped.

2-two 5cm anti - allergic rolls of adhesive tape.

3-fifteen tongue depressors individually wrapped.

4-one 100 ml bottle containing chlorhexidine base disinfectant

air splints

one set of air splint for each of the upper and limbs

three size of extrication collar

ambu

three size of ambu (adult child and infant)

stretcher

with mattress and cover.

spare stretcher

1-folding collapsible stretcher with supporting spreader bars and vinyl coated nylon fabric

spare stretcher when required.

3-aluminum orthopedic stretcher.

4-orthopedic scoop stretcher.

5-heaped and hardness set for scoop stretcher

ambulance chair:-

with bracket (weld by special hooks on the back door)

rear bumper step:

rear bumper step is to be installed over the rear bumper.

bootle hooks:

boots

pregnancy tools:

exhaust - ventilator fan:

roof mounted double acting exhaust - vent fan is to be installed.

projector:

the cabinet.

external projectors around the car and over the back doors open automatic with its open.

stand - wash

steel done by foot.

semi automatic defibrillator/monitor

securing device :

for defibrillator/ monitor

aneroid - sphygmomanometer

stethoscope

dissecting

artery forceps (spencer wells)

otoscope.

2-non woven acrylic blanket (60x80)apporay.

	2-cellar blanket undleached (60x80) apporax 2-foam pillow pcv covered penlight. optional equipmens shedule ambulance vacuum matters with carring handles pump for vacuum mattress an flatable splints set of u in wall anyesic unit. nitronoy cylinder (light weight) urinal mole. ukinal female. resuscitator complete with cylinder restraining strap for reuscitator aspirator manual first aid kit complete with case bedlpn tought cut scissors scissors bandge vacuum flask stainless steel ilitter restraining strop for vacuum flasks oxygen cylinder bull nose (sizef) oxygen flow meter /regulator	
	optional equipmens schedule ambulance clinder humidifier oxygen face mack pulsoxy meter (mini) caphometer (mini) refloment hand light (handle projector will rechargarble battery green bubble 30 foot roll electronic sphggmomanometer ultraviolet lamp	
02-06-00986	Deep freezer -80 1-vertical type & modile 2-tempertuie from -80c to - 120c 3-capacity :- 26 cutic ft 4-compressor :- single phase (220 / 50/1) 5- alarm system visible & audible 6- thermomter and temperture recorder fixed on the out ar surface of the deep freezer 7-moving dramers stainless steel 8-the frirer sarfacc of the deep freezer should be of ron corrosier stanless 9- spare parts recomanedel for five year 10-2doors , stainles (not glass)	200
02-06-00987	deep freezer -80 1-uprigt freezer new from know company or good traed mark. 2-contain 4 to 6 indepen dent compartment each with an insulating inner door. 3-should be easy programmig 4-maximum temp. range iN(-80C) 5-temperature stability + 0.5 C in the sample 6- ext. size N 200x80 7-mass kg 200kgm 8- nominal valve lit 300-500 liters 9-capacity sryobox 200 - 400 compressars 11-provided with miwo prolessar control eye level display serve menue for engineer	200

02-06-00988	Deep freezer	200
	for ultra low temp. freezer	
	outer dimension :W2570 XD770 XH1070 MM or equivalent	
	inner dimension :W1840 XD500 XH672 MM or equivalent	
	effective capacity: 700L	
	exterior : baked -on acrylic finish on galvanized steel	
	interior : stianless steel	
	door : baked -on acrylic finish on galvanized steel	
	insulation :polyurethane foamed in place (NON-CFC)	
	compressor :hermatic type	
	1100W	
	evaporator :type on sheet type	
	type	
	temp - controller : microprocessor conter sys set rang :	
	(-20 to -120)	
	(-20 to -95)	
	aluminium container with all accessories	
	system should be work with power source of AC240V 50 HZ	
02-06-00989	Freezer, - 80C consist of two cooling units deep freeze unit (1) electricity:- 220V - 50V - 1phose compressor:- 625 w recepeoeating refrigerant :-502 or R22 FL - current of fan condensor : 0.3A unit (2) electricity:- 220V - 50HZ - 1phase compressor:-425 W receprocating refrigerant:- 503 bothe the have tow pressure and pressure control temperature	200
02-06-00990	Freezer - 40 C0 A- size 14 feet B-five freezer vertical and five horizontal C-storage temperature _40	200
02-06-00991	Freezer - 120 C0 A- size 14 feet B- vertical type C-storage temperature _120	200
02-06-00992	CCTV integrated with operation theaters lamps , camera. camera. 3- video matrix switching and recording / control system a-full cross point video matrix. b-logical camera selection c-priority level operation d-built in video loss detection e-built in system dignostics (cpu) , matrix switching bay , pwer supply . Key board , printer , monitor , digital video 4-monitor 21 colour high resolution , 100% steel housing front panel control 110 - 240 VAC , built in	200
02-06-00993	Generator (1MVA) 230-400v	200
02-06-00994	air compressor horse power :-15hp max pressure :-10bar	200

flow rate :-49.5 cfm / 14001 /m
r . P . m :-1450