

02-04-00272	A.H.U specification of A.H.U							
	A.H.U unit NO.	motor KW	total Q suply air m³/hr	Q freshair m³/hr	external static pressur mmWG	type	serial NO.	
	C8	7.5	14000	4950	30	ccb 135 s REP (H)	82/2 100144	
	C14	7.5	11600	11600	30	ccb 135 s REP (O)	82/2 100144	
	C17	11	20800	9250	30	ccb 200 s REP (S)	82/2 100144	
spesification of spare part			CO.	country				
back ward bloer			Hydronic	france (for the three A.H.U)				
02-04-00273	TIFA . Company Name : / USA Subj. : Spare Parts for tifa fogging machine model 100E							
	Carburetter							10
	Fule pumps							20
	Formulation Pumps							20
	Carburetter repair Kit							30
	Ignition Electrode							30
	Ground wire							30
	Nozzle with strainer							30
	Spark plug							40
	Fuel Valve							14
	fog Valve							14
	Partical size selector valve							10
	Gas selonoid valve							14
	Formulation selonoid valve							14
	Complete set of Switches							30
	Complete set of Hoses							30
	Complete set of Belts							30
	Start selonoid valve							20
	Gas presure Gauge							30
	Formulator presure Gauge							20
	Pyrometer							20
Tachometer							30	
Fire traps							30	
Presure Switch							14	
Themo couple							20	
Complete set of Gas Kit							20	
Gravity Tank							14	
Magnito Complete							14	
Mufflers Complete							10	
Suction and return manifold line							10	
30U-IV cells stionk.							10	
02-04-00274	Spare parts for Tifa							
	Armature magnito							100
	Indicator tape for sterilization (Hogy) , (12mm x 50m)							1400 rolls
	OSONIC ECO equipment (Australia) 901048							
	Probe 3.5 Mz frequency							2
U/S set photo line SLI (Germany) PE 90962								
Sector & liner 5.5 Mz							2	
02-04-00275	Spare part for GMW high volume air samplers model 2000 H & model 2000 as follows –							
	0.6 motor (180-240V) (50HZ)							20
	brushes B-1							200
	fiber glass filter paper (24.5x20.3) cm air sampler							80 box/200 filter/box
	motor housing 2007							10
	Mounting plate motor cover (2005 (10
	Motor Cushion (2005)							40
	Power card assembly (2011)							40
02-04-00276	Spare parts for CO analyzer type CO 11M (Group environment SA co.)As follows :							
	membrane filters for inlet dust filter (AV- K00042 –A).							10 box(50 filter /box)
	Fuses(220 v 3 x1 ATD / 1X0.5 ATD/-).							10 sets (10 fuse /set)
	Fuses (110 v 2x2 ATD / 1X0.5 ATD /1x1ATD).							10 sets (10fuse /set)
	Palladium for refilling internal zero filter (01-000g-A. (10 x 120g
	Wisa air pump kit (VO2 – k – 113 – 909 – A)							10
	Acrylic dust filters for aeration grids (FO5 – 5003 –A).							10set (4 filter /set)
	IR Source with cable and connector (MO3 – 0004-A)							10
	Standard CO gas cylinder (50 ppm)							4
02-04-00277	Spare parts for SO2 analyzer (AF 21 M – LCD UV Fluorescent sulfur dioxide) group environment S.A co. as follows:							
	diaphragm filter holder.(SAV – K – G 00042 A).							10box (50 filter /box)
	acrylic dust filter for general fan (F05 – 5003-A).							10sets (4 fuse /set)
	refilling material for internal zero air filter (F0-0061-A).							10x120g
	air pump kit (V02 – K-113-909A).							10
	Ultra time delay fuses for 220 volt Kit (DITD/1A-dia- 5x20 mm SOL -TT 01-00A)							20
Ultra time delay fuses for 220 volt Kit (DITD/0.5A-dia- 5x20 mm SOL -TT 00.50A).							20	

	Ultra time delay fuses for 110V Kit – 110 V pump direct D1 TD/2A – dia 5x20 mm S01 – TT02 .00A).	10																																																																
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	Standard SO2 gas cylinder for calibration	4																																																																
02-04-00278	Calibration gas Cylinder for SO2 Ambient Analyzer Type 477 (Rotor co0)(below 1 PPM)	2																																																																
02-04-00279	Rechargeable nickel-cadmium battery for noise level analyzer type 4426	48																																																																
	Sulfuric acid	40l																																																																
	hydrochloric acid	40l																																																																
	Nitric acid	40l																																																																
02-04-00280	accessories for rotork analysis model 400 - co analyzer (rotork co)																																																																	
	A- manual for model 400 dual been infrard analyzer	2																																																																
	B- calidration gas cylinder (50 ppm)	2																																																																
02-04-00281	Batteries (22.5 V) long life type	144																																																																
02-04-00282	Spare parts for kjeldahal instrument (gallen kamp comp.) as follows:-																																																																	
	Flaskes kjeldahal (800ml)	24																																																																
	splash heads	24																																																																
	Condensers	24																																																																
	Delivery funnels	24																																																																
	0.6 H.P motor for H.V.S .220V .50HZ model code G115750	16																																																																
	Motor brushes, part No. GB1,packing size ; set of 2	24set																																																																
02-04-00283	Dry batteries from (Griffin international) in England	24																																																																
02-04-00284	equipment:- dearator model:-E.11.S. company:- worthington - simpson site:- medical city-baghdad																																																																	
	<table border="1"> <thead> <tr> <th>description</th> <th>type</th> <th>manufacturer</th> <th></th> </tr> </thead> <tbody> <tr> <td>1-level controller</td> <td>12802-356MM CRS</td> <td>masoneilan</td> <td>8</td> </tr> <tr> <td>2-water input control valve</td> <td>100MM canflex</td> <td>masoneilan</td> <td>8</td> </tr> <tr> <td>3-water bleed control valv</td> <td>50 MM camflex</td> <td>masoneilan</td> <td>8</td> </tr> <tr> <td>4-steam control valv</td> <td>100MM camflex</td> <td>masoneilan</td> <td>8</td> </tr> <tr> <td>5-magnetic level switches</td> <td>2-SO1/F83</td> <td>bestobell mobrye</td> <td>8</td> </tr> <tr> <td>6-high level alarm bell</td> <td>510</td> <td>bestobell mobrye</td> <td>8</td> </tr> <tr> <td>7-low level alarm horn</td> <td>514</td> <td>bestobell mobrye</td> <td>8</td> </tr> <tr> <td>8-reliet valve</td> <td>80MM 686 single spring</td> <td>birkett</td> <td>8</td> </tr> <tr> <td>9-vacuum breaker</td> <td>50MM 737single spring</td> <td>birkett</td> <td>8</td> </tr> <tr> <td>10water level guage complet with cock</td> <td>20MM Tubular Glass</td> <td>copos-vulcan</td> <td>8</td> </tr> <tr> <td>11-dial thermometer</td> <td>60 MM dial Modelc</td> <td>british rothothrsm</td> <td>8</td> </tr> <tr> <td>12-pressuse gnage</td> <td>150 MM dial Fig.SO1</td> <td>sydney smith dennis</td> <td>8</td> </tr> <tr> <td>13-distribudion nozzles</td> <td>staless steel 316</td> <td></td> <td>100</td> </tr> <tr> <td>14-wire woren grd basket</td> <td>staless steel 316</td> <td></td> <td>4</td> </tr> <tr> <td>15-distribuhen plater</td> <td>fabricated mild sel</td> <td></td> <td>10</td> </tr> </tbody> </table>	description	type	manufacturer		1-level controller	12802-356MM CRS	masoneilan	8	2-water input control valve	100MM canflex	masoneilan	8	3-water bleed control valv	50 MM camflex	masoneilan	8	4-steam control valv	100MM camflex	masoneilan	8	5-magnetic level switches	2-SO1/F83	bestobell mobrye	8	6-high level alarm bell	510	bestobell mobrye	8	7-low level alarm horn	514	bestobell mobrye	8	8-reliet valve	80MM 686 single spring	birkett	8	9-vacuum breaker	50MM 737single spring	birkett	8	10water level guage complet with cock	20MM Tubular Glass	copos-vulcan	8	11-dial thermometer	60 MM dial Modelc	british rothothrsm	8	12-pressuse gnage	150 MM dial Fig.SO1	sydney smith dennis	8	13-distribudion nozzles	staless steel 316		100	14-wire woren grd basket	staless steel 316		4	15-distribuhen plater	fabricated mild sel		10	
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	NOTS:- withre commended spare parts for (5) years for items 1,2,3,4,8,9,10																																																																	
02-04-00285	equipment:- boiler number A/TTP/6448-49-50-51 maunufacture:-cochran boilers LTD oil atemiser SKV-60 FD Faw motor burner motor oil control unit-complete secondary air cam assmby - complete air hose UV cell and holder oil hose oil meter-complete iguition gas shift switch pack modilahing valve photo ceel amplifier LF/HF micro switehs door micro switeches flame baffle 60-100 drive bellt sequence cam hiner fd fan impeller C.W FD FAN impeller E.C.W OIL HINGE iguitior assembly - complete gas hose water guage column-completr pump and first low water control -coplete secanel lew water couhal complete modialahing control valve sequence contrel valve stop valve complet feed check valve-complete pawallet slide blow dawn valve - complete	16 16 16 16 16 64 32 32 32 32 64 16 32 32 16 48 32 16 16 16 23 23 23 16 16 16 16 16 16 8 8																																																																

	rean access door rean observahian port complete auto T.D.S system sample cooler auto blow down valve		16 32 8 8 16
02-04-00286	cooling tower fan gear specification amrillo right angle fan drive model : 1712 serial no:-141243 service rating : 241 H.P at :1750 R.P.M input service factor :2 ratio:B:1 reducing inlet shft diameter: 62 M.M out let shaft diameter : 126 M.M		20
02-04-00287	cooling tower fan motor specification reliance duty master A-C motor frame : 449T type identification no: IMAF 02273-G2-XG H.P : 200/50 insul. Class:f R.P.M : 1490/745 AMB :50C volts: 380 S.F:1 AMPS:283/106 duty:cont. code:K PH:3 CY:50 drive end bearing:90 B CO3x30x26(XTMTR) opp. Drive end bearing :90 B CO3x30x26		10
02-04-00288	cooling tower fan specification complete fan assembly hudson tuf-lite adjustable pitch fans seal disc : M-847 material :reinforced fiberglass epoxy resin model : AP-T-328B-9-shaft DIAM.=5" bore diammeter : 32FT no.of blades:9 HUB model:5809S HUB serial no:35102 HUB material : steel ST.pressure = 0.57 inch H2O net V.pressure=0.10 inch H2O fan driver out put H.P=186 fan R.P.M : 112 C.F.M AT HIGH speed:1100 000.- fan blade no:T-30-BH-6369,6370,...FTC		20
02-04-00289	cooling tower drive shaft complete specification complete drive shaft assembly with extra flexible elements model:A5-5 And 47-40 full floating type with flexible couplings at both ends material : stainless steel coupling : stainless steel plate type rate H.P:210 shaft no :dana-AJ-40-SS shaft O.D:107.5 M.M FLANGE O.D :194M.M		
02-04-00290	Equipment :-IGEBA MODEL :- TF35 company:-LOD FRANCE spare part proposal to service about 52 units IGEBA TF 35 FOG genertors over aperios of about (2) years, taking normal use and maintenance for granted		
	DESCRIPTION	PART NO.	
	fixing device	10-00 000.03	4
	heat deflector shield	10-00 000.04	4
	fog solution socket	10-00 000.07	20
	solution funnel	10-00 000.22	20
	gasoline funnel	10-00 000.23	20
	carrying strap	10-00 000.27	20
	support	10-00 100.00	4
	support	10-00200.00	4
	double hollow screw	10-00 310.00	32
	felt tube	10-00 500.04	80
	brackets	10-00 601.01	40
	protection cover	10-00 601.02	12
	valve cpl	10-00 700.00	20
	diaphragm	10-00 700.02	200
	gasket	10-00 700.03	120
	gasket viton	10-00 700.04	200
	cup nut	10-00 700.07	40
	connecting link	10-00 820.00	20
	protective guard	10-00 900.00	12
	solution tank cpl	8-01 001.00	4
	edge protection	10-01 000.01	20
	tank cap cpl	10-01 201.00	20
	tank cup cpl	10-02 200.00	20
	gasket	10-02 200.02	40
	profiled joint	10-03 000.05	12
	pump col	10-04 000.00	8
	cap	10-04 120.01	8
	spring	10-04 120.02	8
	pump spindle	10-04 120.03	12
	collar	10-04 120.04	20

handle	10-04 120.05	12
fog tube	10-05 000.01	12
gasket	10-05 000.03	32
resonator	10-05 100.00	8
cooling jacket	10-05 210.00	8
spacer plate	10-05 300.05	8
diaphragm	10-05 300.06	200
valve plate	10-05 301.01	12
regulating needle cpl	10-05 520.04	20
battery holder	10-06 000.01	12
starter button	10-06 000.04	12
grommet	10-05 000.05	40
spark plug socket	10-06 000.06	32
spark plug	10-06 100.07	60
battery cover	10-06 100.01	12
contact spring	10-06 100.03	12
contact plate with cable	10-06 200.00	12
cable	10-06 210.00	20
ignition coil	10-06 300.00	8
solution tap cpl	10-07 101.00	20
gasket teflon	10-07 101.06	40
screw connection	10-07 101.07	36
solution rising lin	10-07 200.00	12
solution line	10-07 403.00	12
ventilating airline	10-07 500.00	12
dosage nozzle (0.8)	11-07 010.00	20
dosage nozzle (1.2)	11-07 250.00	20
dosage nozzle (1.4)	11-07 030.00	20
O-RING	1.5 X 1 viton	40
O-RING	3 X 1 viton	120
O-RING	10 X 1 viton	32
O-RING	5 X 1.5 viton	120
O-RING	14X 1.5 viton	32
O-RING	25X 1.5 viton	100
O-RING	43 X 3 viton	40
tube	8-00 700.01	12
pressure pipe	8-00 800.00	12
gasoline tank cpl	8-02 000.00	2
gasket	8-05 000.02	52
atomizer nozzle cpl	8-05 050.00	12
air intake valve	8-05 300.00	4
Inrled nuts	8-06 400.02	12
silencer	8-05 410.00	12
mixing chamber cpl	8-05 500.00	8
swirl vane	8-05 600.00	8
surge tank cover	8-05 700.01	4
gasket	8-05 700.02	10
screwed socket	8-05 700.04	12
surge tank	8-05 710.00	4
gasoline stop button cpl	8-05 720.00	12
bushing	8-05 720.01	8
plunger	8-05 720.02	12
button	8-05 720.03	8
gasolin suction line cpl	8-05 730.00	20
hollow screw	8-05 730.01	12
screw fitting	8-05 730.03	12
hose with filter	8-05 735.00	12
set of gaskets diaphragm	8-10 100.00	12
tool bag cpl	8-10 200.00	8
tooth lock washer	DIN6797 5,3	40
wing screw	DIN316 M5X10	20
gasket	DIN7603A	320
	10X13,5CU	
gasket	DIN7603A	720
	10X13,5VF	
hollow screw	DIN7623A4-MS	20
tapping screw	DIN7981 B2,9X6,5	80
tapping screw	DIN77918 B4,8X9,5	80
fill head screw	DIN7985 M4X12 VA	200
fill head screw	DIN7985 M4X25 VA	120
fill head screw	DIN7985 M4X30	40
fill head screw	DIN7985 M5X6	40
fill head screw	DIN7985 M5X8	120
fill head screw	DIN7985 M5X12	40
hexagon cap nut	DIN1587 M4	40
hexagon nut	DIN934 M4 VA	120
hexagon nut	DIN934 M5	120
hexagon nut	DIN934 M6 V2A	80
set screw	DIN913 M6 X 18	40
sheet metal nut	BM 15 888	64
02-04-00291	Equipment :- IGEBA	
	MODEL :- HD 160 company:-LOD FRANCE spare part proposal 25 units IGEBA TF -F 160 HD(jambo) high performance fog generators for period of abt . Two (2)years (tanking normal use and maintenance for granted.	
DESCRIPTION	PART NO.	
tank cap cpl.	11-01 200.00	10
gasket	11-01 200.02	50
decompression screw with pressure control valve	11-07 850.00	10
O-ring	10x3 VITON	50
through filter cpl	50-07 601.00	10
filter	50-07 601.03	50

	gasket	50-07 601.02	50
	gasket	DIN 7603 A 10x20 Cu.	200
	solution tap	11-07 101.01	10
	gasket	DIN 7603 A 13,5x18	20
	thread connection	11-07 101.02	20
	angle screw fitting	252 107	10
	tube	11-38 000.02	50
	spacer	252 928	100
	gasket	253 926	100
	label (liter scale)	10-38 000.01	50
	gasket	DIN 7603 A 10,5x13 VT	1000
	air filter	11-12 000.01	50
	screw	DIN 7985 M 5x8 V2A	100
	screw	DIN 966 M 5x25	100
	gasket	11-05 300.05	100
	nut	DIN 934 M 5	100
	outer diaphragm	11-05 300.03	100
	inner diaphragm	11-05 300.04	100
	gasket	11-05 000.03	50
	screw	DIN 966 M 5x12 V2A	200
	valve cpl	10-00 700.00	100
	gasket	10-00 700.04	200
	gasket	10-00 700.03	200
	cap nut	10-00 700.07	100
	tank cap cpl	10-02 200.00	50
	gasket	10-02 200.02	50
	hollow screw	10-14 500.00	20
	gasoline tap	11-02 301.00	20
	gasoline tap	22-02 101.00	20
	gasoline dosage	11-05 520.00	10
	O-ring	3x1 VITON	100
	nozzle	10-05 500.02	10
	gasket	10-05 500.03	100
	atomizer nozzle	11-05 000.06	20
	threaded rod	10-05 500.04	20
	gasket	11-05 510.03	50
	swirl vane	10-05 602.02	10
	O-ring	31x1,5 VITON	50
	gasket	11-05 000.02	100
	back valve col . With fittings		20
	hose 250mm	51-05- 402.01	50
	hose 300mm	51-05- 402.02	50
	compressor	22-06 200.01	100
	spark plug	10-06 000.07	50
	ignition coil	10-06 300.00	20
	spark plug socket	11-06 000.02	50
	spark plug cable	51-06 300.02	50
	manometric switch	11-09 101.00	20
	electronic control	11-09 400.00	10
	relay	22-09 000.01	50
	nut	DIN 439 M 12X1	100
	wing screw	DIN 316 M 5X10	100
	fog tube	50-05 000.01	10
	resonator	50-05 100.00	10
	solution socket	14-00 100.00	30
	ring line	51-07 300.00	50
	gasket	DIN 7603 A 10,5X13CU	500
	hollow screw with dosage nozzle (20)	51-07 040.00	60
	screw plug	51-07 000.01	60
	solution lin	50-07 200.00	10
	solution valve	11-09 201.00	10
	plug for solution valve	11-09 230.00	50
	pressure spring	11-09 200.03	50
	core coith gasket	11-09 210.00	10
	gasket	11-09 200.02	100
	O-ring	25X1,5VITON	50
	SPIRAL TAPE	SP 50/100 1G	50
	CABLE CLIP	145MM 1G	200
	fuse box	22-09 110.40	50
	connection cable	22-09 310.00	20
	fuse,20A	52-06 200.04	200
	fuse,4A	52-06 200.06	200
	remonte control	52-09 100.00	10
	led with cable , yellow	22-09 110.30	50
	LED with cable , GREEN	11-09 500.00	50
	switch , green	11-09 000.01	50
	switch , red	11-09 000.02	50
	fuse carrier	52-06 200.03	50
	alligator clips with cable and fuse	22-09 160.00	50
	aillgator clip,(+),(-).set	22-09 160.01/.02	100
	printed circuit pord	22-09 111.50	20
	solenoid valve (12V)	22-02 201.00	10
	diode 1 N 4007	22-02 230.03	50
	gasket for plug	11-09 230.01	50
02-04-00292	burner to supply complete burne for MP . Boiler installed model : 3TR-q oil burne kind of fuel:-No.2 fuel oil (ASTM) fuel consumption:- 357 KG/h forced draft fan in flow:- 90m ³ /min (at 20c		44

electric motor :- 15KWx2P
oil pump
type of pump:- GL-13-5
capacity:-12/15 L/min (50/60)
electric motor :- 0.4KW x 4P
burner motor
electric motor :- 0.75KW x 2P
old boiler model :-MP boiler No.809
supply complete catlog for equipment
it must be installed instead on the boiler
training for engineer in the factory

02-04-00293

Equipment :- AHU
company name :- Hydronic (old model)
A-The Reputist spare part for the following AHU Ins tallied in 6 hospitals
1-Fan + motor + housing complete + belt +pulley
to be installed instead of the old model .
2-give cooling coil complete to be installed instead of old one .
3-give complete Recomonded spare part for the new fan complete .
B-give complete catalogues including dimension and capacity .
C-Waranty for one year from date of operation .
D-training for staff in the factory .
E-Confirm that the new fan and coil will be install with out changing the old AHU .
Manufacturer :- Hydronic (solyvent)
all motor 50HZ
Tropic Insulation IP44 class F

AHU	Type	Mistral	Air(m3/h) Capacity	total pressure MMWG	Cooling Capacity (KW)	Power (KW)	Starter
C1-S	CC135	DB42	11.7 00	131	155.84	7.5	Star delta
-EX		DB42	10.66 0	89		4	Direct
C2-S	CCB64	DB31	5.2 00	82	73.5 0	2.2	Direct
C3-SJ	CCB170	DB50M2	14.3 00	172	175	15x2	Star delta
-EX		DB56M1	14.2 00	60		5.5	Direct
C3-SH	CCB170	DB50M2	15.53 0	171	190.73	15x2	Star delta
-EX		DB56M1	16.14 0	59		5.5	Direct
C3 - Sall	CCB170	DB50M2	16.6 00	183	204.4 0	15x2	Star delta
-EX		DB56M1	16.6 00	67		5.5	Direct
C4-S	CCB200	DB50M2	18.8 00	194	270.98	15x2	Star delta
-EX		DB50M1	18.16 0	61		5.5	Direct
C5-S	CCB110	DB42	10.9 00	146	152.35	7.5	Star delta
-EX		DB42	10.48 0	95		5.5	Direct
C6-S	CCB135	DB42	11.96 0	136	161.5	7.5	Star delta
-EX		DB42	11.06 0	96		5.5	Direct
C7-S	CCB135	DB46	13.8 00	123	88.97	7.5	Star delta
-EX		DB42	11.54 0	54		3	Direct
C8-S	CCB86	DB38	8.6 00	120	52.92	5.5	Direct
-EX		DB34	7.8 00	47		2.2	Direct
C9-S	CCB86	DB38	8.8 00	119	59.55	5.5	Direct
-EX		DB34	7.59 0	47		2.2	Direct
C10-S	CCB86	DB34	7. 000	100	45.36	3	Direct
-EX		DB34	5.6 00	40		1.1	Direct
C11-S	CC110	DB42	10.7 00	120	68.4 00 fgih	3	Direct
-EX		DB42	9.7 00	55		3	Direct
C12 Ja - S	CC110	DB38	10.9 00	114	60.285 fgih	5.5	Direct
-EX		DB38	9.15 0	47		2.2	Direct
C12all -S	CC110	DB38	9.2 00	108	58.56	5.5	Direct
-EX		DB38	8.37 0	46		2.2	Direct
C13-S	CCB86	DB 38	8.745	125	62.8	5.5	Direct
-EX		DB 34	6.87 0	51		2.2	Direct
C14-S	CCB64	DB 31	5.7 00	99	35.7	3	Direct
-EX		DB 31	5.1 00	38		1.1	Direct
C15-S	CCB110	DB 31	11.1 000	82	153.81	4	Direct
-EX							
C16-S	CC135	DB 42	11.86 0	118	84.8 0	7.5	Star delta
-EX		DB 46	9.98 0	47		2.2	Direct
C17-S	CCB135	DB 42	13.2 00	125	93.54	7.5	Star delta
-EX		DB 46	11.16 0	51		3	Direct

AHU	Type	Mistral	Air(m3/h) Capacity	total pressure MMWG	Cooling Capacity (KW)	Power (KW)	Starter
C18-S	CCB135	DB 42	14. 000	133	96.82	9	Star delta
-EX		DB 46	12.17 0	53		3	Direct
C19-S	CCB135	DB 42	12.6 00	120	87.11	7.5	Star delta
-EX		DB 46	10.97 0	51		3	Direct
C20-S	CCB135	DB 42	11.84 0	112	73.39	7.5	Star delta
-EX		DB 46	9.345	42		2.2	Direct
C21-S	CCB135	DB 42	12.85 0	116	80.6	7.2	Star delta
-EX		DB 46	10.335	43		2.2	Direct
C22-S	CCB110	DB 38	9.9 00	113	80.6	5.5	Direct
-EX		DB 42	7.74 0	41		1.5	Direct
C23-S	CCB110	DB 38	9.9 00	115	64.55	5.5	Direct
-EX		DB 42	7.83 0			1.5	Direct
C24-S	CCB245	DB A 68M	28000 14000	83		11/2.5	Direct
C25-S	CCB295	DB A 68M	28000 14000	78	32.23	11/2.5	Direct
C26-S	CCB295	DB A 68M	28000 14000	78	136.89	11/2.5	
C27	CCV92	BPC 321- 321	9.6 00	18	22. 000fgih	1.5	Direct
C28HA- S	CCB96	DB 34	8.8 00	178	118.16	7.5	Star delta
-EX		DB 38	8.08 0	59		2.2	Direct

02-04-00294	A.H.U	fan no./ type	capacity M/HR	no. req.	external static pressure mm	electrical charac V PH HZ	input KW	A.H.U no. and capacity to be used with mentioned ex. Fan
		RF 16 / axial areofoil	14000	2	15	220 50 1	4	AHU no. 16 (16610 M/HR)
		RF 17 / axial areofoil	5950	2	15	220 50 1	2.5	AHU no. 17 (5950 M/HR)
		RF 18 / axial areofoil	4180	8	15	220 50 1	2	AHU no. 18 (4870 M/HR)
		RF 19 / axial areofoil	5830	2	15	220 50 1	2.5	AHU no. 19 (6800 M/HR)
		RF 20 / axial areofoil	2870	2	10	220 50 1	2	AHU no. 20 (2510 M/HR)
		RF 21 / axial areofoil	4280	2	10	220 50 1	2.5	AHU no. 21 (3710 M/HR)
		RF 22 / axial areofoil	2500	2	10	220 50 1	1.5	AHU no. 22 (2915 M/HR)
		RF 23 / axial areofoil	5000	2	10	220 50 1	3	AHU no. 23 (6800 M/HR)
02-04-00295	compresso for refrigerator compressor 1/3hp for refrigerator with over load and relay compressor 1/4hp for refrigerator with over load and relay compressor 1/5hp for refrigerator with over load and relay compressor 1/6hp for refrigerator with over load and relay compressor 1/8hp for refrigerator with over load and relay						3000 3000 3000 3000 1000	
02-04-00296	compresso for air condition compressor for air condition with W.t 2ton (24000btu/hr)R22 compressor for air condition with W.t1.5 ton(18000 btu/hr)R22 compressor for air condition with W.t 2.5 ton(3000btu/hr)R22						4000 1000 1500	
02-04-00297	qxxygen production plant COMPANY/MANUFACTURER: cocsil - inter SA -B594 telex:24249 telegr : socstl ecvblensvavd type:-socsl - inter socsil HP 25 JTS plant NO dir 1300/1 liguid O2 - pump order /nr:-719.000.00 type:-19 expansion valve order /nr:-539.100.00 cold box order /nr:-525.00600 electrical heater order /nr:-681.000.00 compresser air order /nr:-sulzer hardi 9831 type:-(5u2.17) capacity of air 241/m3ih 1230 r.p.m 180 bar						18 18 6 72 12	
02-04-00298	vacuum . Plant COMPANY/MANUFACTURER: samos - france telex:2269 buschs telef.:031/580690 vacuum . Plant capacity -170m3/h order/nr 250138 medical vacuum Plant type si-0160(bush) pressure drop:180 mbar motor power:1KW						6 18	
02-04-00299	compressor air production plant COMPANY/MANUFACTURER: samos - france telex:2269 buschs telef.:031/580690 medical-compressor air type :-qtom order /nr:-3126 haug compressor two - stages 18KW , 150 r.p.m 102 m ³ /l 14 bar air director medical compressor air type :- hktx 120-16 order /nr:-87.120.111 0.51KW 220V 4.1A 40bar						12 6	
02-04-00300	centrifugal water chiller COMPANY/MANUFACTURER: trane - france societe trans 88190 golby france type:- trane/CVGA (france) 380=ton R12= 370KG AMP = 340-350A							

	chilled water pumps mech - parts type :- nowyloo4 order/NR :-3385 B/V 135- 022 Q = 145 m ³ /lh	24
	eleee - parts order/NR :-301475 type :- Gmbh - 4372 siemens(company) 380V 50HZ 30KW 1500r.p.m (W.germany)	24
	condeser water pumps mech - parts type:-nowy/2532 biv 135 . 02.2 order/NR :-12532 Q=235m ³ /lh 380V 50HZ 30KW	24
	eleee - parts Gmbh - 4372 order/NR :-301473 1500 r.p.m W.Germany	24
02-04-00301	water treatment COMPANY/MANUFACTURER:biral (company)-switzer land telex:-911649 bir ch telefon: 031 929211 booster water pumps type : LH6 - 183 - 2AA71 h=80m order/NR :54557/88/42735 HP=30hores 1500 r.p.m biral company	18
	softened water distriution type:- GMBH company horst fucher company	6
	partially demineulized water	6
	eleel - board tpe :- KPPW	12
	motor water pumper type:- etabloc G32552 order/NR :0-188-904790 5.5KW - 380v - 50HZ	36
02-04-00302	water pumes (chilled water) (and hot water) COMPANY/MANUFACTURER:grund fos - denmark telex:-45-87505151 telefon:45-87505050 type:- gunrd fos umssso - 60f , O6 0.3KW H=10M 50HZ 220V - 380V mators siemens compeay type:- 14s 66 2AA70 order/NR :39451 18KW- 12KW 380V 50HZ 3000r.p.m	240
	fan coil type:- janklisk	600
	U2 bord contro matule type:-honeywell company	24
	chemical treatemat AEG/AMEB/63F 44R3 houseman company chiller reatemat ligued type 9-28 , 8-552/19	6000liters
02-04-00303	errras for air control fresh air COMPANY/MANUFACTURER:-sater- janko - losak-yogoslavia type:- sauter sauter 30 sauter 20 sauter 10 sauter 15	228 240 240 240
	sewage treatment pumps type:-715 hp siemeines company 3 4.7KW)JM 380V 50HZ diameter 3	120
02-04-00304	L.V switch gear COMPANY/MANUFACTURER:austria atomax P2eser.No NRG501455 lec 157/1 P2lu 1250A uE 660V . K 55 60 50/60HZ . 380V . 10A Or the same spesifant . But with lu1600A	36
	rad concar type M12/20/8 No-11319 R.V.12V .R.C.800 R.f.50c/s Rm .c 50KA .R.C.S.3see/20 KA R.B.C 20KA merlin yoXy	18
	NI-cA battery 12V . /30AH	CEUL 600
02-04-00305	pump for generator 403V , 15A . 0716086 , 3033399 , 3039515 cummins fuel , svst VM pt 3011575 Ser . No . 8503A Mini/GEN	36
	relay unit generator melsec/F2/40M mitsubishi electric merlin genin . 600V . 50KVA 250 V.D.C	36
02-04-00306	main waters serial No:- 4068200220 5058A3	24

	SPW 3-400-501 EE0021/01A hitzinger power austria electronic board	
	RDWLO - EE 0025/01 - hitzinger power austria	12
	reverse power relay 10.50/60/400HZ model BE3-32-IDC highland hionis serial NO:- P/N Q 13760010 U S/N 2504	12
	auto synchro - nization model PR5370 basler electric high land hionis serial NO:-P/n 9095600114	12
	norma - mess - techntk 4mb tipy VA amp - 3x515 HZ 50/60 VA 105115cl 005,1 kvo,813 serial NO:- 881053899	16
	circuit braker otomaX p2c 1250am 66V.lth KAMP 55 50 /60HZ IAC, 157/1 serial NO: G50148	30
02-04-00312	alloy -70	200kg
02-04-00313	water cool -: chillers origin :-Japan module:- 1986 compressor - 45 KW 380V / 50HZ	8
02-04-00314	chillers - water cool origin :-Japan -hitachi compressor - 45 KW 380V / 50HZ	2
02-04-00315	chemicals for water treatment (boilers and cooling system) 1-scale and corrosion inhibitor (zinc - bosed corrosion inhibitor) 2-organic chlorine - bromine biocide 3-liguid - boicide 4-neutralizer , amine compound 5-catalized sodium sulfite (Na2SO3) 6-organic phosphate compounds 7-closed cooling circuit system corrosion inhibitor	52M3 10ton 12M3 18M3 24ton 24ton 40ton
02-04-00316	elevator (lift) equipment lift site :- child and maternity hospital for:- company :- G1ESA (hilla , mosual , basrah and sammwa) passenger :- 20 person MAX. load :- 1500KG speed :- 0.4 / 0.1 car travel :- 4m. floor stops :-20 opening on same side of hospital the elevator runs from the 1 sth floor to the 2nd floor type of control :-tow speed A-C single automatic push button. control panel type AK-4 with contactors	
	item	description
	1	gear box model S - 13 R NO 8331564 reducuaain 1/48 ET - 776
	2	main motor type Zu 160 - 36 - 4/16 NO , 85059 1400/310 r.p.m 220/380V , 50HZ classl F , ID2
	3	time relay type RZC - 310/0.3
	4	time relay type RZC - 301/1.2
	5	time relay type RZC - 310/1.5
	6	time relay type RZC - 310/0.5
	7	phase failer
	8	stell rope for car and counter weight with accessories D=12mm , rope =6
	9	covernor hope with accessories D = 8mm
	10	photo electric eye complet
	11	Disk for brake magnet
	12	transformer type St - 6a prim 220V , 380V 1.9A secondary 20 /56/60/65
	13	door operatier 01024 pant (1) to part (15)
	14	car ventilator fan complete 22.332
	15	micro switch fon door 01021
	16	main thermal relay over load (16-25A)
	17	closing spring 01021 (shift door NO)
	18	counter guide 01021
	19	guide shoe 01021
	20	rubber butten 01021
	21	door contact 01021
	22	out sid push button with switch
	23	inside door push button with switch (1) & (GF)
	24	emergeney push button door
	25	magnetic switch JSE 1 JSE 2 JF 1 JF 2 JT JE 1 JE 2
	26	reetifiers 3 - 22 - 01 - 01 3 - 22 - 01 - 02 3 - 22 - 01 - 03 3 - 22 - 01 - 04 3 - 22 - 01 - 05 3 - 22 - 01 - 06

	shim,poppet valve	19DG117-1112	6
	Screen ,motor cooling supply	19 DG117-1502	6
	Cooler W/B gasket	19 EA 46 -5203	12
	Rupture disc& gasket	17 Q3- 317	6
	Division plate gasket	QR 02SR -019	21 ft
	Screen	19 DG317 -214	6
02-04-00321	LUBRICATIOMYN SYSTEM OIL PUMP MODEL NO. 19 DG 211 - 764		
	"O" ring	KK 71GZ -030	6
	Mangetic plug	CA 99RA -101	6
	"O" ring	KK 71GZ -027	6
	Filter cartridge	KH 09AZ -002	6
	Cooling coil	19 D31 -723	6
	Spring	19 D21 -1071	6
	Gasket	19 D21-1111	6
	Pump & motor Pkg	19 D36-841	6
	Gasket	19 D21-2631	12
	Washer	19 D21-1061	12
	Angle valve	EP 23LA-155	6
	Valve piston	19 D21-1002	6
	Sping	19 D31-1591	6
	Spring retainer	19 D31-1012	6
	"O" ring	KK 71JW-009	6
	Terminal arrangement	19 DA 660003	6 pkg
02-04-00322	CONTROL PANEL		
	Relay module assembly	32 SM400694	6
	Relays	HN 61KL-616	30
	Proyran Timer	HK 25ZD- 030	6
	Fuse holder	HY 12FU -040	6
	Amplifier module assembly	32 SM500704	12
	Light indicating	32 SM400702	12
	Switch, low oil pressure	HK 06CA- 405	6
	Switch, vane close oil pressure	HK 06ZC- 025	6
	Switch, high condenser cut- out	HK 01CA-015	6
	Pressure gauge cooler & condenser	KM 03BC- 325	12
	Pressure gauge, oil discharge	KM 03BC -326	6
	Switch, push button	HR 54ZA -020	12
	Switch, push button	HR 52ZD -040	6
	Light, indicating	HY 19MM -020	24
	Lock& Key	KA 19NL -010	6
02-04-00323	GUIDE VANE AND BLADE RING		
	Blade ring assembly	19 DA31-143	6
	Drive pulley	19 D21-2063	6
	Cable	19 D31-192	6
	Bushing	KT 53LX-055	54
	Pin package	19 DA21-001	6
	Idlen pulley	19D21-1252	48
	Blade pulley	19D21-1242	54
	Shaft	19D21-1063	6
	Bushing	KT53XL-093	108
	Pre-whirl blade	19D31-1044	6
	Shaft seal block	19C56-2052	6
	"O" ring	KK 71EL-133	6
	"O" ring	KK 71EL-216	6
	Oiler	CW51EG-603	6
	Thrust washer	KT 59WL-160	6
	"O" ring	KK71GZ-024	6
	"O" ring	KK71GZ-018	6
	Flanged bearing	KT58BZ-082	6
	Thrust washer	19D21-1371	6
	Retaining ring	AU45AR-187	6
	Oil seal	KT90UL-087	6
	Motor actuator	HF26BB-061	6
	Linkage connector	HF91BB-115	12
	Crank arm	19D23-2152	6
	Crank arm	19D21-2152	6
	Temperature switch Aassembly	19DG116-253	6
	Oil pump starter	HN03AC-800	6
	Heater Elements	HN71AZ-846	18
	Discharge Gasket	19DA31-1153	6
	Gasket, access cover	19DH31-1126	6
	Strainer	KH11NG-070	6
	Gasket, 3" , Oil return	19DA11-1142	6
	Refrigerant filter assembly	KH11YZ-140	6
	Refrigerant filter cartridge	KH19YZ-140	6
02-04-00324	EQUIPMENT: CONTACTORS MODEL: 19DH 76 95CP 6033E COMPANY NAME: CYUTLER HAMMER PART PUB: CIPYOJ-1 - CONTACT KIT: 6-28 -2 - MAX. 3 PH. RATINGS 540 Amps (200V 150HP- 230V 200HP- 460/575V 400HP)		12
02-04-00325	EQUIPMENT :-CENTRAL - TTC MODEL :- SL.1 - XL COMPANY / MANUFACTURER :-NORTHEN TELECOM		
	DESCRIPTION	part NO.	
	datacartaridge generic 609 iassue 7 including basic/optt tad /inter/cust/gdr/giy/glnk/5525		40
	TTY RIBBON		40
	TTY POWER BOARD	54/10805	6
	TTYmain board	N7728 - YC	6
	cooling unit	QUD5	20
	TTY	WFF 1822	2
	fuses forty 0.25A	QFF IF	60
	fuses forty 2A	QFF1B	60
	fuses forty 1.33A	QFF1A	60

fuses forty 0.5A	QFF1G	60
fuses forty3A	QFF1C	60
fuses forty 2A 250V	313 QFF1AG	60
fuses forty 30A	BUSS - ABS	40
SDI	QPC 139	4
ring generator	QPC 273 / QPC 187	20
power monitor	QPC 173 / QPC 89	20
multi group control	QPC 156	6
memory control	QPC 214	8
C.D trunk	QPC 217 / QPC 72	60
control interace	QPC 268	8
function (B)	QPA 57	8
interface (C)	QPA 58	8
MISC (J)	QPA 59	8
3PE	QPC 216	20
TDS	QPC 197	20
500 LINE	QPC 60	60
SL1 LINE	QPA 61	60
control and timing	QPC 271	8
PER buffer	QPO 64	140
NET work	QPC 50	80
multi group switch	QPC 157	10
tape unit	QUW1K	6
50A rectifier	J24 12A-1	4
print card	QPC 355	20
print card	QPC 73	20
print card for telephon set SL-1	QPC 100	100
print card for telephon set SL-1	QPC 101	100
transfer unit	QPA 1C	20
power distribution	QUX 3E	20
conu. 30v	QPC 82A	30
conu. 10v	QPC 80C	30
regulator 48v	QPC 163C	20
auto reg	81 - 10.20	60
per sig	QPC 43L	20
multgrext	QPC 158D	30
conf	QPC 53D	20
5/12 conv 2	QPC 190E	10
tape	QPC 33D	6
SBE	QPC 215B	20
CMA	QPC 21BC	10
RAM	QPC 51	10
DGT RCVR	QPC 79	60
ATT.CON	QCW 4E	12
trans uint	916	1500
REC. unit	BOX 927	1500
power distribution	QBL 5C	20
power distribution	QBL 11B	6
power distribution	QBL 13A	6
telephon set	NE 2500-79D	200