

SECTOR: Health
Subsector:
PROJECT or Samarra Drugs Industry
TITLE:

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
02-10-00001	Car for transport employees capacity (40) passenger. With the following specification :-	15	
	1. Diesel engine for tropical climate (50C?) on summer and		
	(0 C?) on winter, model year 2001.		
	2. Air conditioning system (heating and cooling).		
	3. Engine: - 4 stroke, 6 cylinder, turbo charge, water-cooled.		
	4. Transmission, 5 speed for ward and one reverse manual gear.		
	5. Radio cassette with opeakers.		
	6. Spare parts for 2 years.		
	7. Each bus contained the following:-		
	* Set of tools.		
	* Fire extinguisher.		
	* Tourn light		
	* Hydraulic jack		
	8. Seats		
	* Passenger and driver seats are reclining, high back with head rest		
	* Ashtray (seat back pocket)		
	* Guide (folding with folding arm rest)		
	9. windshield with upper tinted glass		
	10. left hand drive power steering		
	11. Tape player curtains		
	12. Truck model 2001		
02-10-00002	Car for transport employees capacity (20) passenger, with the following specification:-	15	
	1.Diesel engine for tropical climate (50C?) on summer and		
	(0 C?) on winter, model year 2001.		
	2. Air conditioning system (heating, cooling) for all bus.		
	3. Seats		
	* Passenger and driver seats are reclining, high back with head rest		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	* Ashtray (seat back pocket)		
	* Guide (folding with folding arm rest)		
	4. windshield with upper tinted glass		
	5. left hand drive power starin		
	6. Radio cassette with speakers.		
	7. Spare parts for 2 years.		
	8. Every bus is contained the following:-		
	* Set of tools.		
	* Fire extinguisher.		
	* Hydraulic jack.		
	* Tourn light.		
	7. Truck model 2001		
02-10-00003	Ambulance with the following specification :-	6	
	Ambulance with the following specification:-		
	* Trucks according to year's 2001 specification models with petrol engine water-cooled.		
	* Emergency warning system supplied (siren with speaker and beacon).		
	*Truck according to years 2001 specification models with petrol engine water - cooled		
	*Emergency waening system supplied (siren with speaker and beacon).		
	* Air conditioning (cooling and heating).		
	* Gearbox (5) speed manual.		
	* Details of standard medical equipment:-		
	1. Oxygen bottles 500 litter capacity within the left wall cabinetry.		
	2. Spare oxygen bottles 500 litter capacity in storage cabin.		
	3. Plastic Nasal canulas - adult.		
	4. Oxygen catheters , two of each no. 10F		
	5. Mouth - to - mouth ventilation mask, sussex, air way		
	(with long & short air way).		
	6. Port able oxygen kit complete with regulator and supplies.		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	7. First aid kit contents.		
	A box is be provided containing the following:-		
	* Twenty pre-localized pads.		
	* Twelve compressive bandages.		
	* Four 10 cm 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 chlorhexidine base disinfectant.		
	8. York II stretcher trolley complete with mattress, cover,		
	locking device & quick release patient restraints.		
	9. Wheel stretcher with adjustable back aand foot rests with side handles,		
	complete with mattress and cover.		
	10. Oxygen masks, one for each adult child and infant.		
	* Needed optional medical equipment.		
	* All needed catalogues in English.		
	* Spare parts for 3 years.		
	* Aside door : side door at right side.		
	* Back doors: two panel doors open able to the sides.		
02-10-00004	Car bag collection vehicle :-	6	
	* Chassis - cab = 4 X 2		
	* Engine: 6 cylinder, 4 stroke, turbo-charged.		
	* Power: not less than 240 Hp.		
	* Clutch, single plate.		
	* Gear box, 8 speed.		
	* G.V.W: not less than 19 ton.		
	* Payload: not less than 11 ton.		
	* Tyre size: 1200 x 20-disk type.		
	* Capacity: 16 m3.		
	* Compact ratio: 6 / 1		
	* Diesel engine for tropical climate, type and model is year 2001.		
	* Sun visors		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	* All other needed information for the vehicle.		
	* Spare parts for 3 years.		
	* Car bag compactor with the following specification:-		
	GENERAL:-		
	The Pakmor compacting unit is achieving 750 to 800 pounds		
	force per cubic yard, with large hopper capacity of 2.3 cubic yard.		
	This hydraulically operated mechanism requires a minimum chassis specification of,		
	GVW : 35,500 LBS (16,100 KG)		
	Front : 9000 LBS (4082 KG)		
	Rear : 26,500 LBS (12,018 KG)		
	CONSTRUCTION:-		
	The Receiving box will be thoroughly welded mild steel construction.		
	The steel material used in fabrication is to		
	JIS-G 3101 SS400 specification or equivalent. The tail gate, which is made of a high tensile		
	steel, is hinged from the top to the receiving box with a locking arrangement from the bottom.		
	BODY DETAILS:-		
	To achieve the maximum payload corresponding to the optimum weight distribution		
	and hopper capacity, the specification of the box are recommended to be,		
	* Overall length - 270 inch (6858 mm)		
	* Overall length with - 304 inch (7721.6 mm)		
	The tail gate raised		
	* Overall width - 96 inch (2438.4 mm)		
	* Tail gate raised - 158 inch (4013 mm)		
	HOPPER DETAILS:-		
	The tail gate operates with time cycle of approx. 20 seconds with hopper		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	capacity of 2.3 Cu. Yard (1.26 Cu. M)		
	- Loading width - 78 inch (1981 mm)		
	- Opening height - 64 inch (1626 mm)		
	OPERATION SYSTEM:-		
	The packing movement of the system can be operated manually or automatically, where		
	the refuse packing into the receiver box is an automatic operation cycle.		
	The mechanism is divided into two parts. First, the sweeping motion, which follows the hopper,		
	floor profile. The second part is packing motion, which is constrained with the hopper sides.		
	The rate of motions the PTO, which is, related the engine speed is controlled by a throttle		
	control switch. The optimum speed of the engine while loading dumping.		
	HYDRAULIC SYSTEM:-		
	The PTO drives a hydraulic pump, which can achieve a pressure of 2000 psig to run the system.		
	Different cylinders are fitted to the tail gate to execute the motion, for tail gate raise,		
	packing blade and slide and for the process of compacting by the ejector plate.		
	A replaceable filter of 25 micron is attached in the return line to purify		
	oil coming back from the system.		
	WINCHING:-		
	A Winch rate at 12,000 pounds can handle up to 7.5 cubic meter containers		
	is operated hydraulically.		
	PAINTING:-		
	One coat of a primer and a coat of synthetic enamel.		
	ACCESSORIES:-		
	? Tool Box.		
	? Mudguards & Mudflaps.		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	? Light as per Traffic Department regulations.		
	OPTIONAL:-		
	A hydraulically bin lifter arrangement, can handle 240 litter capacity plastic containers.		
02-10-00005	Car bag collection vehicle :-Capacity : 8M3	16	
02-10-00006	Fire extinguisher vehicle with 6000 - 8000 liter water tanker:-	6	
	<u>1.The Cabin</u>		
	a.lsft hand drive with power steering		
	b.Six seats including the driver (double cabin)		
	c.Unit corrosion made cabin		
	d.Provided with un unbreakcable glass		
	e.The cabin provided with hydraulic and manual system for rising		
	<u>2.The Engine</u>		
	a.Working by gas fuel (diesel sycle)		
	b.Number of cylinders are 6 vertical in line		
	c.Provided with perfect cooling system for the engine of the vehicle		
	d.The horse power: The horse power for (260-320) horse provided with one axle		
	<u>3. The Pump - unit</u>		
	a. Type - centrifugal combined for normal and high pressure with four stages		
	b. Material - anti - corrosion for body, and impeller, pump shaft made of stainless steel		
	c. Power take - off: with gear, oiling system, mechanical penumatic engagement,		
	disengagement, control located cabin.		
	d. Pump outlet 3000 liter/min at 10 bar in the middle or in the rear		
	e. Provided with mechanical outlet air system		
	f. Provided with one suction system in each side within 4 inch		
	diameter(English teeth) with cover and strainer		

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	g. Provided with four outlet 2 ½"(two in each side)		
	h. Provided with all gauges for pressure and speed pump		
	<u>4. Water Tank +Foam</u>		
	a. 6000 – 8000 liter water + at least 400 liter foam		
	b. the tank made of stainless steel and divided to many part and provided with inlet and outlet cover		
	5. All additional fire equipment's		
	6. All needed equipment's for a cooling system		
	7. All needed description for air compressor		
	8. Truck model year 2000		
	9. 1-A spare parts for the pump are :-		
	a. Set of pistons for pump 1 for each 1		
	b. Set of gaskets 1 for each 1		
	c. Set of O-rings 1 for each 1		
	d. Ball bearings for pump and motor 1 for each 1		
	e. Pulys 1 for each 1		
	f. Stainless steel shaft 1 for each 1		
	g. Belt 2 for each 1		
	h. Packin (10m) for each pump		
	i. Lubrication pump 1 for each 1		
	j. Complete pump 1 for each 1		
	9-2-A spare parts for fir equipment :-		
	a.water pump 1 for each 1		
	b.Parts for water pump maintenance 1 for each 1		
	c.Power take off 1 for each 1		
	d.Parts for P.T.O maintenance 1 for each 1		

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	e.Parts for each fire 1 for each 1		
	f.Water tank		
	g.Foam tank		
	h.Electric tilt pump		
	I.Manual tilt pump		
	j.Power starting		
	10. Catalogues & operation manuals for equipment should		
	be sent with the offer in English.		
02-10-00007	Electrical Diesel generator of capacity 5 M-watt with the following specification :-	2	
	1. Output = 11 K-volt		
	2. Frequency = 50 Hz		
	3. Location = out door		
	? The generator should be operated automatically when the electrical shut down,		
	connected directly to circuit breaker of the switchboard.		
	? The generator consist of all protection needed as the following :-		
	1- Over Voltage protection.		
	2- Over load protection.		
	3- Over heat protection.		
	4- Short circuit protection.		
	5- Level water and oil protection.		
	6- Rotating field protection.		
	1-REQUIRMENTS:-		
	a. To confirm aguarantree period of 12 months from operation or 24 months from delivery which ever exist earlier.		
	b. Validity of offer and delivery period.		
	2-GENERAL REQUIRMENTS:-		
	The equipment shall be of first class quality and designed for continuos		
	satisfactory operation as continuity of supply is of prime importance.		
	The design shall allow all necessary precaution for the safety at		
	the operation and maintenance personnel.		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	All equipment shall operate satisfactorily under such variation of load,		
	voltage and short circuit of there conditions, which may accur on the system provided		
	that these variations are within the assigned rating of the apparatus. All equipment shall be		
	designed to obviate the risk of accident short circuit or damage and to birds and vermin's.		
	All openings for ventilation must have wire mesh.		
	The materials used shall be suitable for the following climatic conditions		
	prevailing at the sub - station site.		
	2.1 Ambient temperature:-		
	Highest maximum (in the shade) (50) c for about 6 hours a day		
	lowest minimum (-10) c.		
	Maximum yearly average (+30) c; maximum daily average (+40) c		
	2.2 Sun temperature :-		
	Black objects under direct sunshine attain a temperature of (75).		
	2.3 Air Humiditive :-		
	Maximum (92 %) at 40C; Minimum (12%); yearly average (44%).		
	2.4 Altitudes:-		
	From sea level up to (1000 m).		
	2.5 Sand storms :-		
	The substation sites are subjected to strong and frequent sandstorms.		
	Adequate precaution must be taken to cater for this2.6 condensation:-		
	Kiosk cubicles and similar enclosed compartment forming part of the auxiliary.		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	Equipment shall have the interior surfaces treaded with cork or any other approved materials		
	and shall be adequately ventilated to prevent condensation.		
	The interior surface including contactorse or relay coil shall be treated in an		
	apporoed manner to prevent mould growth. Such treatment should in no way interfere with		
	satisfactory operation of the equipment either electrically or mechanically.		
02-10-00008	Specification for 33/11 kV substation 2x10 mva:	1	
	1) Scope of the tender:		
	The tender includes the design , manufacture , testing packing ,		
	shipping delivery CIF mousle on number 2x10 MVA		
	Substation with out transferors comprising as the following.		
	33Kv in door switch gear of single bus-bar comprising		
	Two incoming transformers cubicle (circuit breaker) with voltage transferor		
	Two main transformer cubicles		
	One bus-section cubicles		
	11 kV indoor switch gear of single bus-bar consisting of		
	Two in coming transformers cubicle with voltage transformer		
	Eight out going feeder cubicle (circuit breaker)		
	One bus sectionalize cubicle		
	One Auxiliary transformer cubicle		
	Two capacitor bank cubicle		
	Two generator cubicle for 5 MVA each		
	Capacitor bank of 1000 KVAR for 10 MVA transferor		
	110 volt. DC battery , battery chargers and DC distribution		
	48 VDC battery ,battery chargers and DC distribution board		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	0.416 kV satiation auxiliary switch board		
	Set recommended spear parts for five years of normal operation		
	Tools and handling equipment		
	Safely equipment		
	All relay to be of (GEC sepam 2000)		
	Earthling resitar for the neutral point of each transformer		
	Material for substation earthling network		
	Mechanical interlock between transformer 33KV side C.B and earthling		
	switch of transformer 11KV side cubicle		
	<u>Ambient temperature:</u>		
	Highest maximum in the shade (50 C for about 6 hours day		
	Lowest minimum - 10 c		
	Maximum daily average +30c		
	Maximum daily average +40c		
	<u>Air humidity :</u>		
	Maximum 92% at 40c		
	Minimum 12%		
	Yearly average 44%		
	<u>Technical requirement:</u>		
	33KV system		
	Normal voltage 33000 volts.		
	Highest voltage 36000 volts.		
	System 3- phase, 3 wire with neutral grounded by earthling transformer to limit		
	the earth fault current to 300 Amp. Resistance of 21.1 Ohms.		
	To limit the earth fault current to 300Amp.		
	Frequency 50Pz short circuit breaker level 25 kA R.M.S at		
	33 000 volts.		
	3- phase symmetrical		
	11KV system		
	Normal voltage 11000 volts.		
	Highest voltage 12000 volts.		
	System 3- phase 3 wire with neutral made for		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	Earthling through an earthling		
	Resistance of 21.1 Ohms. To limit the earth fault current to 300 Amps.		
	Short-circuit breaker level 25 kA R.M.S at 11000 volts.		
	3- phase symmetrical		
	<u>L.T. system:-</u>		
	Normal voltage 416 volt + 4 % - 10 %		
	3- phase 4 wire with neutral solidly earthed		
	Short circuit breaker level		
	10 KA R.M.S at 416 V 3 phase symmetrical		
	<u>Notice:-</u>		
	-All the equipment consist of all protection device		
	-All needed accessories, optional , catalog's & manuals for		
	Equipment's should be sent with the offer.		
	-The offer should include the complete price list of spare parts		
	for two years with maintenance, installation ,erection,		
	commissioning & training for technical staff.		
	- To confirm a guarantee period 12 month from operation.		
02-10-00009	Acid resistant tiles, thickness 10 mm , Dimension 15 cm x 15 cm	6000	m2
	*All neede specification, catalogues should be and samples sent with the offer.		
	*Asutable glue for the acid resistant tiles, freshly manufactured (expiry date should be		
	printed on each individual container) .		
02-10-00010	Anti static P.V.C tiles	600	m2
	? All need specification, catalogues and samples should be sent with the offer.		
	? Asutable glue for the anti static P.V.C tiles, freshly manufactured		
	(expiry date should be printed on each individual container).		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
02-10-00011	Elctro conductive PVC tiles	100	m2
	*All neede specification, catalogues should be and samples sent with the offer.		
	*Asutable glue for the acid resistant tiles, freshly manufactured (expiry date should be		
	printed on each individual container)		
02-10-00012	Quarry ceramic tiles	500	m2
	*All neede specification, catalogues should be and samples sent with the offer.		
	*Asutable glue for the acid resistant tiles, freshly manufactured (expiry date should be		
	printed on each individual container)		
02-10-00013	Special partitions (metal type glazed insulated light weight)	33000	m2
	? All needed specification, catalogues and samples should be sent with the offer.		
	? All needed connections for the partitions.		
02-10-00014	Metal false ceiling for pharmaceutical production area with lighting fittings florescent type	19300	m2
	? All needed fittings specification, catalogues and samples should be sent with the offer.		
	? All needed connections for the false ceiling.		
02-10-00015	Galvanized sheet gage 24	75	ton
02-10-00016	Galvanized sheet gage 22	75	ton
02-10-00017	Aluminum sheet gage 24	15	ton
02-10-00018	Centrifugal Compressor for water-cooled chiller centrifugal types	1	
	trane ECVGB 080 Capacity 800 tons.		
	// Recommended spare parts for 3 years		
	//All needed accessories		
02-10-00019	Centrifugal Compressor for water-cooled chiller centrifugal types	1	
	trane Carrier model no 19 DK 71314 CN capacity 475 tons.		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	// Recommended spare parts for 3 years		
	//All needed accessories		
02-10-00020	Heavy -Gauge Steel Galvanized Pipe		
	1-size 20 mm dia	10000	ml
	2- size 25 mm dia	10000	ml
	3- size 35 mm dia	10000	ml
	with all accessories and needed samples		
02-10-00021	Flexible pipes		
	Steel based flexible conduit with all accessories, size (20 mm, 25mm, 32mm), lengths :-		
	1- 20 mm	1500	mt
	2-25 mm	1000	mt
	3-32 mm	500	mt
02-10-00022	Distribution boards card tree 24 - 36 ways	50	pcs
	// Bus bar ratings of 100 Amos. To 250 Amps.		
	// Icoming from 100 Amos. To 250 Amps.		
	// Icoming options Aut. MCCB-RCD-DIRECT		
	//Outgoing circuits from 10 Amps. - 40 Amps. SP-DD-Tp		
	//Distribution boards for 3 phase.		
	// Phase color identifcation and circuit indentity label complete with neutral and earth bars.		
	// Electrostatically applied epoxy paint finish		
	//Degree of protection Ip 40 BS 5420 IEC 144		
	// Rigid sheet steel construction F		
	//Out going twenty four to thirty - six ways		
02-10-00023	Medical Oxygen plant	1	
	*(BPL) complete liquid oxygen production plant		
	*Capacity :- Lox 300 NM3/HR		
	Lin 25 NM3 /HR		
	(Note) :- It can be possible operating at 50 % from the capacity .		
	*Purity : OxygenN.L.T 99.5 %		

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	Nitrogen Impurities N.M.T 10 PPM		
	<u>THE DESCRIPTION</u>		
	*Air filter		
	*Air turbo compressors. (Two compressors one in operation and one as astand by .		
	*Dual molecular sieve unit .		
	*Air separation		
	* AUTOMATIC CONTROL PANEL.(INCLUDE GAS ANALYSER RANG FROM (98-100) % VOL.		
	* EXPANSION TURBINE (GAS BERING).		
	* REFRIGATION SYSTEM. INCLUDE:-		
	A- TWO CHILLERS COMPRESSORS, ONE IN OPERATION AND ONE AS ASTAND BY.		
	B- TWO COOLING TOWERS, ONE IN OPERATION AND ONE AS ASTAND BY.		
	C- WATER SOFTENER.		
	<u>FILLING NIT AND STROAGE TANK</u>		
	- TWO LOX STORAGE TANK 20000 LITS EACH.		
	- ONE LIN STORAGE TANK 5000 LITS.		
	- HIGH PRESSURE EVAPORATOR.		
	- HIGH PRESSURE PISTON PUMPS (TWO PUMPS, ON EACH LINE,		
	ONE IN OPERATION AND ONE AS ASTAND BY.)		
	A- FOR OXYGEN 400 LIT/HR		
	A- FOR NITROGEN 100 LIT/HR		
	<u>SPARE PARTS AND TOOLS</u>		
	- SPARE PARTS FOR TEN YEARS OPERATION AND THE FOLLOWING:-		
	ONE COMPLETE EXPANTION TURBINE AND ITS SPARE PARTS.		
	FOUR HIGH PRESSURE PISTON PUMPS AND ITS SPARE PARTS.		
	TWO SET OF SPECIAL TOOLS.		
	OILS AND LUBRICANTS.		
	<u>DOCUMENTS</u>		
	- TWO SETS OF MANUAL INSTRUCTION.		
	- TWO SETS OF MANUAL OPERATION AND MAINTENANCE.		
	- TWO SETS OF SPARE PARTS CATALOGUES.		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	- DRAWING FOR CIVIL ENGINEERING AND FOUNDATION.		
	<u>GUARANTEE</u>		
	- 12 MONTHS FROM THE DATE OF START UP.		
	<u>TRAINING AND COMMISSIONING</u>		
	- SUPER VISION FOR ERECTION, START UP AND TRAINING IN OUR SITE.		
	- TRAINING OF THREE TECHNICIANS DURING 6 WEEKS AT THE SELLER FACTORY.		
	Ampoule making machine manufacturer name : MODERNE - MECANIQUE		
02-10-00024	CRAPHITE PAD 4 X 20 - 1600 N	50	
02-10-00025	BOTTOM POSTE COMPLETE	15	
02-10-00026	TOP POST COMPLETE	15	
02-10-00027	CRAPHITE PAD 4 X 20 - 1600 N	5000	
02-10-00028	SPEED FLEX BELT 1850 X 25	50	
02-10-00029	SPEED FLEX BELT 2800 X 25	30	
02-10-00030	BURNER 3 F 6/10 246X - 13 - 0610	30	
02-10-00031	ROUND BURNER NOSE 22 IR 9F 8/10 244 X - 19 - 0810	30	
02-10-00032	RECTAN GULAR BURNER 1R 6F 6/10 242 X - 16 - 0610	50	
02-10-00033	AIR GAP BURNER 1F 30/10 241 X 01- 3010	20	
02-10-00034	ROUND BURNER NOSE 22 3R 9F 10/10 244X -39-1010	30	
02-10-00035	HUTCHINSON BELT POLY V 406 J5 373 X - J5 - 460 X	50	
02-10-00036	BEARING 626 2Z	250	
02-10-00037	BEARING 6001 2Z	100	
02-10-00038	LENGTH ADJUSTING PLATE (ECONOMIZER) FOR 1 ML	25	
02-10-00039	LENGTH ADJUSTING PLATE (ECONOMIZER) FOR 2 ML	35	
02-10-00040	TEMPERATURE CONTROL E 5H2 - Y6 - CA 213 X - 02 - X526	6	
02-10-00041	THERMAL COUPLE ¼ FI X 31067.04 213X - 04 - 3106	10	
02-10-00042	ROD 30 (437) FOR BOTTOM OPENING ASSEMBLY	50	

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
02-10-00043	SCREW 30 (439) FOR BOTTOM OPENING ASSEMBLY	50	
02-10-00044	SCREW 30 (451) FOR BOTTOM OPENING ASSEMBLY	50	
02-10-00045	PNEUMATIC VALVE SED DN2"	6	
	PFI 150 type 285 (made in Germany)		
	(the values from plastic resistant against acidic & alkali solution)		
02-10-00046	PNEUMATIC VALVE SED DN1"	12	
	PFI 150 type 285 (made in Germany)		
	(the values from plastic resistant against acidic & alkali solution)		
02-10-00047	STRANERS FROM WATER DEIONZITION	120	
	(from plastic resistant against acidic & alkali solution) size of slots not more than 0.1 mm		
02-10-00048	BACTERICIDAL U.V TUBES FOR STERIALE ROOMS SPECIFICATION:-		
	1. Wave length 253.7 manometer		
	2. Output energy (intensity) :		
	a-for tubes 15 W = 64 MW/CM2	200	tub
	b-for tubes 30 W = 83 MW/CM2	300	tub
02-10-00049	EXCHANGE RESIN FOR WATER TREATMENTS PLANTS :	5000	kg
	1-Cation exchange resin strong acidic		
	specification :		
	- Matrix polystyrene or polystyrene + PVB (appr. Cross linked 5-10 %)		
	- Functional group - SO3 H		
	- Exchange capacity not less than (wet. 1.9 meg/ml , dry 5.0 meg/g)		
	- Specific gravity 1.28-1.30 (Na + FOR , Na- form)		
	- PH rang 0-14		
	- Max. operation temperature 120 C		
	- Moisture content(by weight) 37-55 %		
	- Swelling due to exchange (from Na+to H + form)		
	5-10 %		
	- particle size not less than 0.3-0.5 mm		
02-10-00050	2-Anion exchange resin strong acidic	5000	kg
	specification :		

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	- Matrix polystyrene or polystyrene + DVB or poly acrylic		
	- Functional group ... quaternary ammonium		
	- Exchange capacity not less than (wet. 1.4 meq/ml , dry 5.8 meq/g)		
	- Specific gravity 1.09-1.1 (CL form)		
	- PH range 0-14		
	- Max. operation temperature 50-100 C		
	- Moisture content(by weight) 45-55 %		
	- Swelling due to exchange (from Cl to OH + form)		
	3-20 %		
	- particle size not less than 0.3-0.5 mm		
02-10-00051	3-Anion exchange resin medium base:	5000	kg
	specification		
	- Matrix polystyrene or any other resistant in solvents (Acid, Alkali)		
	- Functional group ... tertiary amine or the resin contains		
	All these =NH(III N)-(N(R3)) like Russian resin EDE-10P		
	- Minimum Exchange capacity 1.6-2.7 meq/ml.		
	- Specific gravity not less than 0.3-0.5 mm		
	- Operation PH range 0-8		
	- Moisture content appr. 50-60 %		
02-10-00052	4-Activated carbon :-	2400	lit
	specifications :		
	- Grade 205 C		
	- Mesh size B.S.S 14-36		
	- Active surface area 900-1000 m ² /g		
	- Bulk density (B.E.T. N2) 0.53 - 0.57 cc		
	- Carbon tetrachloride adsorption capacity 35-45%		
	- Ash content 2-2.5 %		
02-10-00053	5-Cation exchange resin special for try bed unit:-	200	lit
	specifications:		
	- Matrix polystyrene or polystyrene (Dou. lit C26 TR)		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	- Functional group - S03 H		
	- Physical form opaque Beads		
	- Specific gravity 1.25 (Na + Form , Na- form)		
	- PH range 0-14		
	- Max. operation temperature 140 C		
	- Moisture content 45-50 %		
	- Max. reversible swelling 7 % (Na + to H + form)		
	- Total exchange capacity 1.85 Eq L liter		
	- particle size not less than 0.3-0.5 mm		
02-10-00054	6-Anion exchange resin for try bed unit (Dou Lit A161 TR):	600	lit
	specifications:		
	- Matrix Macro porous Cross Linked Polystyrene		
	- Functional group -N +(CH3) H		
	- Total Exchange capacity 1.0 eq/liter.		
	- Specific gravity 1.07 (chloride form)		
	- PH range 0-14		
	- Moisture content 53-58 %		
	- Max. operation temperature 120 C		
	- Swelling due to exchange from (CL- to OH - form) 17%		
	- Total exchange capacity 1.0 Eq. / liter		
	Particle size not less than 0.3 - 0.5 mm		
02-10-00055	7- Iner risen S3TR:	10	lit
	Specification :		
	- Type Inert		
	- Color deep yellow		
	- Particle size 0.7 - 0.9 mm		
	- Max uni fromity coefficient 1.27		
	- Moisture retention 7-10 %		
	- Specific gravity 1.15		
02-10-00056	8- Cat ionexchange risen (Dou lit C - 225) :-	1000	lit
	specifications:		
	- Functional group ... S03 H +		
	- Physical form		
	- Exchange capacity (total) 2.0 eq / lit		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	- Specific gravity 1.28 (Na + - form)		
	- PH range 0-14		
	- Moisture content 44-49 % (Na + - form)		
	- Swelling due to exchange form (Na + to H +) 7%		
	- Particle size not less than 0.3-1.2 mm		
02-10-00057	9- Anion exchange resin duo lit (A 132):	1200	lit
	specifications :		
	- Functional group ...quarter nary ammonium		
	- Physical form. White translucent moist beads.		
	- Total exchange capacity not less 1.25 eq / lit		
	- Specific gravity 1.07 (chloride form)		
	- PH range 0-14		
	- Moisture content appr 54 % (CL - - form)		
	- Max. reversible swelling 20 % (from CL - form to OH - form)		
	-Particle size not less than 0.3-0.5 mm		
02-10-00058	<u>D: CARTRIDGE FILTER ELEMENT FOR WATER TREATMENT PLANT</u>		
	<u>PREMUTIT ISLEWORTH ENGELAND):-</u>		
	1.Cartridge filter element	60	pcs
	Dominick huhterpeplyn or simillor		
	Rating : 10- 0 micron		
	Code : ZCMP 1-010 B		
	Comp No: 533504463		
02-10-00059	2. Cartridge filter element	60	pcs
	Dominick huhterpeplyn or simillor		
	Rating : 1.5 micron		
	Code : ZCMP 2 -001 ,5 B		
	Comp No: 533504430		
02-10-00060	Cartridge filter element	60	pcs
	Dominick huhterpeplyn or simillor		
	Rating : 0.2 micron		
	Code : ZCMP 2-0.2 0 A -B		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	Comp No: 533501710		
02-10-00061	Complete fully automatic deionized water plant .	2	
	Capacity : 8-10 M3 /hr		
	As complete package unit (i.e including carbon filter, anion ,		
	cation and mixed bed colum, storage tank , etc)		
	Any recommended options and spare parts.		
02-10-00062	Complete project for production of anticancer drug including :-	1	
	A- Lay out of the project.		
	A- Machines required for production.		
	B- Complete air conditioning unit and air handling.		
	C- Complete water treatment plant.		
	D- Complete sweag treatment.		
	i.e. including all utilities production capacity :-		
	1. Ampoules or vial 4-5 million /year		
	2. Tablet and capsule 20-25 million / year.		
	<u>Filters:</u>		
02-10-00063	Cellulose Acetate filter type 293 por size 1.2Mm-25 paper per Box.	100	box
02-10-00064	Class fiber -pre filter type 257/ 50 paper per Box	50	box
02-10-00065	Cellulose Acetate filter 142 por size 1.2 Mm ,50 paper /Box	100	box
02-10-00066	Class fiber per filter type 124/50 paper per box	100	box
02-10-00067	Supper microne -wynd filter , DPPY 1 micron	50	pcs
02-10-00068	Pall cartige filter type MCY 4463 BP por size 0.45Mm	200	pcs
	<u>MACHINE:</u>		
02-10-00069	Manual printing machine for 12 figer to print paper labeling	10	pcs
02-10-00070	Manual printing machine for 14 figer to print P.V.C Bags.	10	pcs
02-10-00071	Dust remover machine	1	
02-10-00072	Electrical Autonomous floor cleaning machine	1	
02-10-00073	Water Vacum cleaner	4	

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
02-10-00074	High frequency bag welding machine to weld lay flat P.V.C sheath	2	
	thickness 0.35 mm with different wedth to produce bags of		
	volume (100,250,500,1000,2000,3000) capacity : 1500-3000 Bag / h		
02-10-00075	High frequency tube welding machine to weld tube dia 6.3/7.9 mm capacity 500-1000 Bag/h	7	
02-10-00076	Bags washing machine to wash P.V.C Bags ,size(100,250,500,...,3000 ml)	2	
	capacity: 2000 Bag/h with rotating base for the nozle for injection of water to wash fully bags		
02-10-00077	Stoppers washing machine to wash special macrolon stoppers T.N.C.A with rotating base	2	
	for the nozel for injection of water inside the stopper		
	(pressure of injection water (not less than 1.5 bar) capacity : 2000 stopper /h		
02-10-00078	Automatic filling machine to fill P.V.C bags (100,250,500,...,3000ml)	7	
	with digital motor for the quantity filled in the bag operated with leg badale		
	capacity (1000-3000 bag/h)		
02-10-00079	Automatic over wrapping machine to wrap P.V.C bags size (100mlto 3000 ml)	1	
	using P.E roll, thickness 60-75m welded using heat elements.		
02-10-00080	Bags seperating machine	1	
	Output : 5000 Bags/h in continous operation to separate bags size (100 ml, to ,3000 ml)		
02-10-00081	Mechinical cutting machine for tubes	1	
	Output : 5000 cuttings / hour in continuos seperation		
02-10-00082	Oscillator tube BR 1196	4	
02-10-00083	Piston type CPUD – N 32- 10- X, SER NO .87 – 8256	4	
02-10-00084	Piston type CPUD-T-50-165,PF-PM	2	
02-10-00085	Piston type CPUD-T-50-130 DPA –12 Ser. NO . 88/8687	2	
02-10-00086	Piston Type CPUD –T-50 - 325	2	

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
02-10-00087	Base plat L = 80.7 CM , WIDTH = 60.7 cm, Thickness = 2mm	2	
02-10-00088	Welding Electrodes size 500 ml	2	set
02-10-00089	Scraper holder	2	
02-10-00090	Double- balancing holder for scraper Complete with shaft .	2	
02-10-00091	Brake for serigraphy machine	4	
02-10-00092	Rubber roller for pulling P.V.C	2	
02-10-00093	Motor with Gearbox complete	1	
02-10-00094	Set of S.SROLL complete	1	
	SPARE FOR TUBE WELDING MACHINE Type :M2 -B4 -1 Supplier : VIFOR Manufacturer :Thimomer		
02-10-00095	Oscillator tube T- 130/1	7	
02-10-00096	Foot switch type 358-945 maxpreslobar	7	
02-10-00097	Air regulator type RFU483 CAMOZZI	14	
02-10-00098	Piston type stroke	8	
02-10-00099	Micro swich 5A250V- 83101	8	
02-10-00100	Timer MN2 for changing polarity type SAIA	7	
02-10-00101	Timer MNI for welding type SAIA	7	
02-10-00102	Electrode (top &Bottom)	7	set
02-10-00103	Needle	28	
02-10-00104	Holder from Brass forb needle	10	
02-10-00105	Contractor K3 type CMC MR3 / 56A	7	
	SPARE PART OR BAG WASHING MACHINE TYPE: pharmpack - RIB16H-NR 200 SUPPLIER :VIFOR Manufacturer : pharmapac		
02-10-00106	Motor with gearbox complete	2	
02-10-00107	Carrier disk NO- 18	2	
02-10-00108	DISTRIBUTOR DISK NO -17	2	
02-10-00109	DISK CAM NO- 16	2	
02-10-00110	FLANGE bearing NO - 15	2	
02-10-00111	Supporting ring , top - 51	2	
02-10-00112	Supporting ring bottom 52	2	
02-10-00113	Piston NO- 47	2	
02-10-00114	CASING NO - 46	2	
02-10-00115	CASING NO - 44	2	
02-10-00116	Piston NO -43	2	
02-10-00117	DISTRIBUTOR - CASING NO - 45	2	
02-10-00118	CASING NO - 40	4	
02-10-00119	PISTON NO- 39	2	
02-10-00120	PISTON NO - 38	2	

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
02-10-00121	PUMP NO - 35	2	
02-10-00122	Solenoid valve NO -61	2	
02-10-00123	Corner valve NO - 62	2	
02-10-00124	FILTER CASING NO -5g	2	
02-10-00125	Flange NO - 20	2	
02-10-00126	Covering disk NO 21	2	
02-10-00127	Arton No- 22	2	
	SPARE FOR STOPPERS WASHING MACHINES TYPE : STRUNCK RAND A01 , MACHINE NO - 6181008402 - COM11015119 SUPPLIR : VIFOR MANUFACTURER : STRUNCK		
	sheet No. Order No.		
02-10-00128	Joint 2 2	2	
02-10-00129	Distributor head 2 3	2	
02-10-00130	Distributor 2 4	2	
02-10-00131	Joint 2 5	2	
02-10-00132	Distributor plate 2 6	2	
02-10-00133	Shaft 2 7	2	
02-10-00134	Bearing Disc 2 10	2	
02-10-00135	Cup spring 2 21	6	
02-10-00136	Disk 3 22	2	
02-10-00137	Carrier disk 3 27	2	

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
02-10-00138	Counter disk 3 28	2	
02-10-00139	Spouting tubes 1 35	16	
	a- shower tubes 8 36	16	
	b- screw socket 8 37	2	
	c- injection nozzle 6 42	32	
	d- splash protection 5 20	2	
	e- splash hood 1 51	2	
	f- filter complete 9 53	2	
	g- filter inset 10 60	20	
	h- filter holder complete type : yy 22 142-30	4	
	I- spare part for the above filter		
	1- hand wheel nut , yy22 14257	12	
	2- connector yy22 142 60	4	
	3- vent relief valve yy30 293 66	4	
	4- o- ring teflon yy22 142 53	4	
	5- enlet flow deflector yy 22 142 05	10	

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	6- filter support screen yy40 142 64	10	
	7- hand wheel stud yy22 142 70	12	
	SPARE PART FOR SUPER STILL MASCRINI TYPE : FA500 HR SUPPLIER : VIFOR MANUFACTURER : STILMAS		
	Sheet No.		
02-10-00140	Floating switch (ie4) sheet 1 -of 1	2	
02-10-00141	Feed water solenoid valve (isi) sheet 1- of 1	2	
02-10-00142	Solenoid valve for heating steam (3si) sheet 1 -of 1	5	
02-10-00143	Steam solenoid for automatic Service (4s1) sheet 1- of 1	5	
02-10-00144	Soty concentrated discharge Electro pump (6M1) sheet 1- of 1	1	
02-10-00145	Distilled water Electro pump (7m2) sheet 1- of 1	1	
02-10-00146	Floating switch (9e3) sheet 1- of 1	2	
02-10-00147	Floating switch (distilled water)7e4 sheet 1- of 1	2	
02-10-00148	Heat exchanger (3) sheet 1- of 1	1	
02-10-00149	Heat exchanger (salty concentrate)3/1 sheet 1- of 1	1	
02-10-00150	Level water indicating glass sheet 1- of 1	5	
02-10-00151	Adjusting cock for running operation 70-71-72 sheet 1- of 1	6	
02-10-00152	Manometer (12) sheet 1- of 1	2	
02-10-00153	Steam trap (15) sheet 1- of 1	2	
02-10-00154	Bearings Nu 2210 for compressor125 FA 350	4	

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
02-10-00155	Ball bearing 22210 CJ for compressor125 FA 350	4	
02-10-00156	Packing for compressor125 FA 350	10	m
02-10-00157	Sealring for compressor125 FA 350	10	
	SPARE PART FOR VOLVMENTRIC FILING UNIT TYPE :VIFOR SUPPLIER :VIFOR		
	sheet No.		
02-10-00158	P.C. board for main supply TL3220- 211 DIESEL 009-02-82-011-000	7	
02-10-00159	Setting and adjusting element P.C. board TL 3220-20g -DIESEL 008-02- 82-402-000	3	
02-10-00160	Really P.C.board TL-3220-210 008-02-82-403-000	7	
02-10-00161	Maine fuse NO .(9) 008-06-82-002-000	40	
02-10-00162	Valve fuse NO.(10) 008-06-82-002-000	40	
02-10-00163	Cable for pick-up system NO.-12 008-06-82-002-000	10	
02-10-00164	Pck-up probe	10	
02-10-00165	Cable for main connection power	10	
02-10-00166	Cable for stop key	10	
02-10-00167	Emergency stop key	20	
	SPARE PART FOR CYLINDRICAL AUTOCLAVES TYPE : VIFOR SUPPLIER : VIFOR ?Swiss		
02-10-00168	Manometer Heretic DRC 100/211.133 DRC 100/211.133 G ½ "Scale 1 to 3 bar	6	
02-10-00169	Valve Klinger KVD " PN/6 DN 20	6	
02-10-00170	FILTER SAMSON 2N PN 16 DN 20	4	
02-10-00171	Pressure reducer regulator valve Samson 39.2 PN 16 DN 20 0.1 TO 1.2 bar	4	
02-10-00172	Pneumatic valve Gemini 514 /25 1"	8	
02-10-00173	Safety valve Ramseyer 441 PN 16 DN 25 H4 2 BAR	4	

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
02-10-00174	Steam trap spirax sacra FT 11 - 4.5 TV DN 40	8	
02-10-00175	Pneumatic valve Gemini 514 /40 1 ½"	4	
02-10-00176	Pressure reducer Norgen 11-824-011-1"	4	
02-10-00177	Pressure reducer with filter and water tap Festo LFR -1/4-S-7-SM	2	
02-10-00178	Check valve Festo H- ¼ "a	4	
02-10-00179	Electro-magnet valve Lucifer 132A 54 24 V DC	4	
02-10-00180	Pressostat Ashcroft 200 mbar to 4.6 bar	4	
02-10-00181	Electro-magnet valve Lucifer 321 K 13 220 V- 50 H2	4	
02-10-00182	Safety valve kugler 7470 ½ "	4	
02-10-00183	Circulator Grundfoss up 25 -45 220 V - 50 H2	4	
02-10-00184	Thermal resistor gauge degussa PT 100 250 mm Special execution	4	
02-10-00185	Contact thermometer Haenni 0 to 120 c0 L= 250 mm 3 meters	4	
02-10-00186	Pressostat Ashcroft - 1 to 2.3 ba	4	
02-10-00187	Micro switch Telemcanique XCK - J562	4	
02-10-00188	Electro - magnet Bachofen GTCA 060X43 A01 24 V DC	4	
02-10-00189	Manometer Haenni DRC 100/211.133 DN 100 Stainless steel G ½" 0-10 ba	4	
02-10-00190	Recorder ELME S-16 with special paper and inked -Ribbon	6	
02-10-00191	Door gasket LD 3961-82/08-11514	6	
02-10-00192	Mechanical shaft seal Type : NO - AR : 96527 NO.CLIENT : 30023 401	8	
	SYM : 1158039900 uu50 REF : 876952 NO - NEC OU ART : 7913 243		
02-10-00193	NORMOPAC 33 + GRAIN 244X 14-47-62-31-13	12	
	Carriages and trays Data (per set) Capacity 380 containers of 500 ml		
	Length 1350 mm Width 1000 mm Height 1500 mm		
	SPARE PARTS FOR AIR COMPRESSOR TYPE : ATLAS COPCO AG 808E SERIAL : ARP 823 38g Supplier : VIFOR Manufacturer:		
	part No.		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
02-10-00194	(Filter element) For high efficiency liquid and aerosol removal filter type PD 300 3569	10	
02-10-00195	Compressor Element 045	4	
02-10-00196	Ball Bearing 7154	2	
02-10-00197	O - Ring 5475	4	
02-10-00198	Gasket 2115-01	2	
02-10-00199	Roller bearing 2252 7748-3	1	
02-10-00200	Driving gear 2158-01	1	
02-10-00201	Roller bearing 5115	1	
02-10-00202	Roller bearing 1619 5177	2	
02-10-00203	Seal ring 2252 7747	1	
02-10-00204	Driven gear 1030 0979	6	
	Air INLET Filter		
02-10-00205	Air receiver , oiltank and minnum 22525 6313-00	2	
02-10-00206	Pressur valve 2252 629901	4	
02-10-00207	Separator 2252-7129-80	1	
02-10-00208	Gasket 1619 5242	1	
02-10-00209	Minimum pressur valve ,conpi Motor,motor flange and coupling Coupling element 2253 4947	1	
	Air &oil coder and Fan Fan, Compi		
02-10-00210	SPARE PART FOR CHILLER	2	
	Type : pcx - 180 H5		
	Supplier : vifor		
	Manufacturer : Dunham - Bush LTD Portsmouth hampshire - England		
02-10-00211	Oil pump	4	
	Mod pump: 88 AT 3 Type : 6 MTR :1013 Voit 400 Frg 50 Thermally protector		
02-10-00212	Compressor complete with motor	2	
	Mod :1615 HHF4 V5 D		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	Serial : 82B 800063 ENE FILE : X4357WP -0128 volt 380 PH 3 Freq.50		
	Pilot Expansion - valve		
02-10-00213	Pilot Expansion - valve 5H TCLE GT 2271	2	
02-10-00214	Main Expansion - valve POS: 125 H2 GT: 2597 FRQ: 50 Hz Volt : 240 v	2	
	SPARE PARTS FOR STEAM BOILER		
	TYPE : VITEX RD - 16		
	Supplier : VIFOR		
	Manufacturer : Paul WEBER AG- SWITZER Land		
	Suppliers No.		
02-10-00215	Spare glasses klinger Gr.VIIA weber	6	
02-10-00216	Set of gasket for Erw 42 weber	4	
02-10-00217	Safety valve type: 413 - 433 DN 25-150 Geber leser	2	
02-10-00218	Gauge Cocks type D8 -65 - 025 klinger	8	
02-10-00219	Reflex Liquid level gauges type KB-D klinger	2	
02-10-00220	Drain Cock ABL klinger	4	
02-10-00221	Flame control box Elco	2	
	TYPE : LAC 3-025 SERIEL :02 SERIEL :02 ts 5sec 3.5 VA		
	FILTERS TO LVWA AIR CONDITIONING SYSTEMS		
	TYPE : LUWA		
	Supplier : VIFOR		
	Manufactuer : LUWA Swiss		
02-10-00222	Pre Filter type FP 85x61	100	
02-10-00223	Pre Filter type FP 85X305X610	30	
02-10-00224	Pre Filter type FP85X610X508	15	
02-10-00225	Hepa filter type RR-S 610X610	50	
02-10-00226	Hepa filter type RR-S 305X305	20	
02-10-00227	Hepa filter type RR-S 457X457	20	
02-10-00228	Hepa filter type RR-S 1525X610	10	
02-10-00229	Air filter class 2 15 ½" x1 1/8"	8	
	a- 3- way mixing valve	2	
	(hong well) type : v5329a nw50		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	b- 3- way mixing valve (hong well) type : v5329a nw 65	2	
	c- 3- way mixing valve (hong well) type : v5013 a "1 nd 10	3	
	d- 3- way ... Mixing valve (hong well) type : v5013a "1 1/4 nd 10	2	
	e- 3- way mixing valve (hong well) type : v5013a " 1/2 nd 10	3	
	f- 3- way mixing valve (hong well) type : v5013 a " 3/4 nd 10	2	
	g- electrical valve (hong well) type : m7420 a	6	
	h- electrical valve (hong well) type : m7421a	3	
	I- electrical valve (hong well) type : m6420a	3	
	j- regulating damper (hong well) type : sm24 - sr10	45	
	SPARE PART FOR WRAPPING MACHINE TYPE : 010 Supplier : vifor Manufactuer : CAVANA Company Italy		
02-10-00230	UPPER -CUTTING AND SOLDERING HNIF	6	
02-10-00231	Printed circuit VAR	1	
02-10-00232	Thermo-control TCI Type : AIOLS 0-2 450	4	
02-10-00233	FLIP -FLOP	2	
	SPARE PARTS FOR SCAVENGER FILTER		
	Type: CHRIST SCB-50		
	Supplier: VIFOR SA GENEVE		
	Manufacturer: CHRIST Swiss		
02-10-00234	Salt pot (C1) ø 400 mm diagram No. Tc1-23-2640d	1	
02-10-00235	Main rubber gasket switch over valve(I) (B1) diagram No Tc1-23-2640d	5	
	SPEAR PARTS FOR SOFTENER FILTER		
	Type : CHRIST BS-25 CH		
	Manufacturer: CHRIST		
	Supplier: VIFOR SA GENEVE		
02-10-00236	Salt pot (C2) ø 500 mm diagram No. Tc1-23-2640d	1	

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
02-10-00237	Main rubber gasket switch over valve(1 1/2) (B2) diagram No Tc1-23-2640d	5	
	SPEAR PARTS FOR DEIONIZER FILTER Type: CHRIST MAXISTIL 10 DUPLEX Supplier: VIFOR SA GENEVE Manufacturer: CHRIST		
02-10-00238	Diaphragms for manual values DN 20 (from diagram Tc123-2640d)	20	
02-10-00239	Diaphragms for manual values DN 25 (from diagram Tc123-2640d)	20	
02-10-00240	Diaphragms for manual values DN 15 (from diagram Tc123-2640d)	20	
	SPEAR PARTS FOR SOLUTION PREPERATION Supplier: VIFOR Manufacturer: Fristam F. Stamp KG(GMGH&CO) 2050 HAMBURG 80/ Telex 021 7804		
02-10-00241	Pump complete with motorType: 722 F	1	
02-10-00242	Mechanical shaft seal complete	5	
02-10-00243	Traditional Tray drier Electrical st. steel cabinet trays drier capacity 150 KG for drying wet granules All electrical part's ,motors ,fam,to be water and alganic solvent proof . Temprature set up ,time set up with controlled board to be included Drying temp up to 150 c St. steel tray's depth not more the 40 mm with trolley	12	
	a- filter holder complete	1	
	type : yy30 - 293-16		
	with spare parts :		
	1- vent relief valve cat .no. yy30 293 66	2	
	2- hand wheel assemly and lock bolt , cat no. yy 22 293 57	8	
	3- inlet flow delector cat no. yy30 293 07	2	

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
02-10-00244	Laboratory automatic capsules filling machine capacity 2000 -3000 Caps/ hour To fill pellets , pellets + powder , powder only in capsule 00, 0 , 0EL, 1, 2, 3	4	
02-10-00245	EQUIPMENT AND MACHINES FOR PRODUCTION OF PLASTIC DISPOSABLE SYRINGE	1	
	Injection moulding machine 150 ton (10-0z) type : toggle ,		
	dimention : 4.710 x 1.296 x 1.926 ,		
	power: 220 / 380 v 3p 29.5 KW		
	weight : 5 900 KG		
	fully automatic purposely developed for the molding of syringe componets and needle components .		
	Clamping force : 150 ton		
	Max . real injection capacity : 10 OZ (280 gm)		
	Real injection volume : 290 CM3		
	Time cycle : 20 sec		
	Printing machine		
	This is the phase by means of which the graduation and desire inscription are printed		
	on the external side of the syringe barrel .		
	Printing type : humid ink , roller rotating gravure type		
	Parts feeding : automatic bowl - feeding system .		
	Type of machine: consecutive rotating index guiding system.	1	set
	for 2.5 cc syringe		
	capacity : 12.000 unit per hour		
	dimension : 1,200x1,000x1,500		
	power : 220 / 380V 3P 2KW		
	weight : 650 kg	1	set
	for 5cc syringe		
	capacity : 12.000 unit per hour		
	power : 220/380V 3P 2 KW		
	dimension : 1,700 x 1,000 x 1, 500		
	weight : 650 kg	1	set
	for 1 cc & 10 cc		
	capacity : for 1 mm / 12000 unit per hour		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	for 10 mm / 700 unit per hour		
	dimension : 1,700 x 1, 000x 1, 500		
	weight : 650 kg		
	power : 220/380 V 3P 2 KW		
	Syringe assembling machine		
	The machine assembles syringe parts (plunger , barrel and needle) with complete		
	automatic system.		
	Characteristics :		
	Automatic parts arrangement and feeding by (bowl feeding system)		
	especially designed for consecutive operation .		
	Air consumption: 1 kg x 500 L / min	1	set
	for 1 cc syringe		
	capacity : 10,000 unite per hour .		
	dimension : 3000 x 1600 x 1600		
	weight : 1500 kg		
	power : 220/380 V 3P 2KW	1	set
	for 2.5cc syringe		
	capacity : 10,000 unit per hour		
	dimension : 3000 x 1600 x 1600		
	weight : 1500 kg		
	power : 220 / 380 V 3P 2KW	1	set
	for 5cc syringe		
	capacity : 10,000 unite per hour		
	dimension : 3000 x 1600 x 1600		
	weight : 1500 kg		
	power : 220 / 380V 3P 2 KW	1	set
	for 10cc syringe		
	capacity : 7,000 unit per hour		
	dimension : 3000 x 1600 x 1600		
	weight : 1500 kg , power : 220 / 380 V 3P 2 KW		
	Needle assembling machine		
	The machine is designed for the completely automatic needle assembling		
	(hub , cannula and needle cap .)		
	The procedure is as follow :		
	hub setting on the assembling jig .		
	cannula insertion into the hub .	1	set
	epoxy bonding of cannula hub .		
	drying / curing of epoxy resin through the tunnel type dryer .		
	air flow test and silicone coating .		
	needle protective cap covering.		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	Needle protective cap pressing		
	Ejecting of the assembled needle (completely assembled needle).		
	Capacity : 360 , 000 unit per 8 hour		
	Air required : 300 litre / min.		
	Dimension : 7,200 x 2,500 x 1,500 mm		
	Weight : 3500 kg , power : 220 / 380 V 3P 2KW		
	Blister packing machine		
	It is an automatic blister packing machine for syringe or needle .		
	The bottom web is running through the machine by means of a transfer chain		
	. CPP film is carried to the forming mold by the bottom web and		
	it is covered with blister paper at the same time and then heat sealed .		
	Air consumption : 300 L / min		
	Water consumption : 40 L / hr (for mold cooling).	1	set
	A – for 2.5 cc syringe		
	Capacity : 12,000 unit per hour		
	Dimension : 6,100 x 1,100 x 1,600 mm		
	Weight : 1500 kg	1	set
	B-for 5cc syringe		
	capacity : 9500 unit per hour		
	dimension : 6,100 x 1.100 x 1,600 mm		
	weight : 1500 kg		
	power : 220 / 380 V 3P 2 KW	1	set
	C - for 1cc & 10cc syringe		
	Capacity : 1ml : 8300 unit per hour		
	10ml : 12000 unit per hour		
	dimension : 6,100 x 1,100 x 1,600 mm		
	weight : 1500 kg		
	power : 220/380 V 3P 2KW		
		2	set
	Ethylene oxide gas sterilizer (5m3) useful volume.		
	The sterilization process use the mixture ETO / CO2 , (20/80) to sterilize the products (syringe)		
	Material of the sterilizing chamber :		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	Interior material : SUS 304		
	Outer material : SUS 304		
	Door opening and shutting device : ASTORIA system .		
	Operational mode : one touch automatic control system		
	Maximum internal pressure of chamber :		
	0.7-1.2 kg / cm 2		
	internal vacuum pressure of chamber :		
	680-720 mm / Hg		
	vacuum pump (water cooled) : 7.5 KW		
	heating device : SUS 304 pipe heater 5 kwx2		
	warm water circulation pump : 0.5 KW		
	other fitting : gas gathering device (4) gas		
	purifier 1 set , gas vaporizer 1 set , humidifier , germfree filter .		
	capacity : 5m3		
	dimension : 2,600 x 1,950 x 2,450		
	weight : 5200 kg		
	power : 220/380 V 3P 2KW		
	Workshop equipment		
	Used for the repairing of the machine parts	1	
	milling m/c - universal type	1	
	lath m / c - TIPL - 4450 X 1060		
	Preparation equipment	1	set
	A- crusher (10 hp)	1	set
	B- crusher (5hp)		
	Used for grinding of the sprues and runners which fall from the injection		
	molding machine in order to use it again .	2	set
	C- cooling m/c (30 RT)	2	set
	D-chiller (7.5 hp)		
	Dimension 800 x 450 x 1000		
	POWER : 220 / 380 V 3P 2 KW		
	WEIGHT : 600 KG	2	set
	E- mixing M/C (100 KG)	8	set
	F- loding (1.5 HP)	8	set
	G- dry hopper	2	set
	H- lifting device (capacity 1 ton)	3	set

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	I - compressor (30 HP) with filters , tanks & dehumidification equipment screw type .		
	Laboratory equipment	1	set
	melting index flow		
	apparatus that measures the fluiding of raw materials pellets (P.P.PE, PVC ... etc) ,		
	this test is necessary for adjusting the parameter of injection molding machine .	1	set
	column density		
	apparatus used for determination of the density of raw material pellets		
	(P.P, PE, PVC Etc) .		
		1	set
	Millipore apparatus		
	Used to perform the sterilizing test to check the sterilizing of produced syringe .		
		1	set
	Laminar flow cabinet :		
	to check the sterilization efficiency process and make sure that the syringe		
	is completely free of germs.	1	set
	Pyrogen test equipment with chemical reagent	1	
	//- other standard equipments	1	
	taper gage - 6 /100 luer taper	1	
	magnifier - 1-	1	
	vernier caliper 0.01mm X 200 mm	1	
	stereo scope - general	1	
	dryer - 50 L 220 V X 3 KVA 1	1	
	CHEMICAL READING BALANCE - 1 mg x 100 G	1	
	WATER BATH - 20 L	1	
	PH METER - PH 1 - 14	1	
	CLEAN BENCH - 99.99% 610 X 150 mm hepa filter	1	
	Thickness gauge - 10 mm	1	
	microscope - 20 x	1	
	Rabbit nest - general	1	
	Mouse gage - general	1	
	Microscope - 300 x	1	
	Incubator - 200 L	1	
	Colony counter - 100	1	

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	Refrigerator kit - 200 L	1	
	Frequency converter - 3 KVA	1	
	Vertex mixer - general	1	
	Centrifuge - 1,500 RPM	1	
	Distilling apparatus- general	1	
	Vacuum pump - 140 L / MM 1 X 10 - 3	1	
	Heater - 3 KVA	1	
	Furnace - muffle	1	
	Micrometer - 30 mm / OD	1	
	Autoclave - 30 L 22 V X 1	24	ton
	Ethylene oxide mixture		
	It is planned to use ethylene oxide mixed with CO2 gas for the sterilization purposes		
	of the produced syringe , the mixture contains 80 % CO2 and 20 % ethylene oxide .		
	The said mixture is supplied and transferred by cylindrical bottles		
	which are already mixed prior to shipment to Iraq.		
	These bottle are stored in an air conditioned stores at the plant located in		
	Babylon 110 km south of Baghdad	430	ton
	P.P	90	ton
	P.V .C	80	million
	CANNULA	160	kg
	SILICON OIL KF	600	kg
	PRINTING MATERIALS	490	kg
	EPOXY	1680000	m
	BLISTER PAPER	1680000	m
	BLISTER AFILMAA	100000	
	INNER CARTON IML (1000 PCS / CARTON)	360000	
	INNER CARTON 2.5 ML (1000 PCS / CARTON)	280000	
	INNER CARTON 5 ML (1000 PCS / CARTON)	60000	
	INNER CARTON 10 ML (1000 PCS / CARTON)	46400	
	OUTER CARTONBOX , (570 X 440 X 440)		
	SPARE PARTS FOR TWO YEARS OPERATION .		
	PIPING NET WORK MATERIALS. INCLUDING		
	(Cables chilled water pipes, compressed air pipe.... Etc)		
02-10-00246	OXYGEN PRODUCTION PLANT		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	SPARE PARTS FOR AIR COMPRESSOR wn 114F 290 KW	16	
	IS HIKAWAJIMA - HARIMA HEAVY INDUSTRIES CO. (Japan) .	24	
	TEFLON PISTON RING 2 nd STAGE (E 238201)	16	
	TEFLON PISTON RING 1 st STAGE (E 148201)	24	
	BULL RING . 2 nd STAGE (E 238202)	100	
	BULL RING . 1 st STAGE (E 48202)	75	
	DISCHARGE VALVE ASSY (E 172000)	500	
	SEAT DISCHARGE VALVE (E 132002)	500	
	VALVE PLATE INNER (D 152011)	500	
	VALVE PLATE CENTER (D 152008)	250	
	VALVE PLATE OUTER (D 152005)	250	
	CUSHION PLATE INNER (E 152013)	250	
	CUSHION PLATE OUTER (E 152005)	1500	
	CUSHION PLATE CENTER (E 152009)	1500	
	VALVE SPRING OUTER (E 132006)	1500	
	VALVE SPRING CENTER (E 132009)	1500	
	VALVE SPRING INNER (E 132012)	1	
	LOCK WASHER (E 122012)	8	
	CRANK SHAFT ASS'Y (D 260700)	4	
	CRANK PIN BEARING (D 111406)	4	
	WRIST PIN MEIAL (D 111407)	4	
	CROSS HEAD (D 111302)	100	pcs
	WRIST PIN (D 111304)	100	pcs
	RESION CAPSULES FILTER (INNER dia 38.6 mm . , OUTER dia 68.6 mm . LENGTH 60 cm .		
	FILTER FOR MOLECULAR SEIVES (INNER dia 38.6mm , OUTER dia 68.6 mm , LENGTH 60 cm .		
	SPARE PARTS FOR TANK - LORRY 10,000 L X 4 K LIQUID OXYGEN		
02-10-00247	FILLING FLEXIBILE HOSE (6 METER)	2	
02-10-00248	BALL VALVE FOR PUMP	2	
02-10-00249	PUMP ASSY	1	
	SPARE PARTS FOR AIR SEPARATION PLANT		
	TCON - 200 & FILLING PLANT .		
02-10-00250	FLEXIBILE HOSE FOR FILLING OXYGEN CYLINDER (6A X 570 . 750 L)	200	
02-10-00251	WITH 100 PCS OPENING WERNCHES , MOLECULAR SIEVE (13 X dia 1.6) mm	1500	kg
02-10-00252	EXPANSION TURBINE (ETS- 140 -07)	2	

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
02-10-00253	PRECISON CONTROL THACKO METER (0-300) ,FREQ (0- 4000) .	2	
02-10-00254	STOP VALVE (dia 12) FOR FILLING STATION .	24	
02-10-00255	OXYGEN CYLINDER'S (MANGANESE STEEL , CAPACITY 10 M 3 .	2000	
	WITH 1500 PCS . OXYGEN VALVE TYPE G11,		
	SPARE PARTS FOR OXYGEN VALVE G11 2000 PCS		
	FOR EACH PART.		
	SPARE PARTS FOR NITROUS OXIDE PLANT TYPE P50-DIR 1150 , KARL KOLB		
02-10-00256	THERMOMETER FOR REACTOR TYPE TMV 100 K 4-2 / 0 - 320 deg- C (NEW MODEL).	1	
02-10-00257	CIRCULATION PUMP JOHNSON TYPE M40 P3 IV 3X300V.	5	
02-10-00258	REACTOR FOR N2O PLANT P50 COMPLETE 800 X 800 X 500 mm	1	
	MATERIAL : STAINLESS STEEL 1.4301 ,		
	COIL MADE OF STAINLESS STEEL 1.4435		
02-10-00259	CONDENSOR 676 / 450 X 2630 mm COMPLETE	1	
	MATERIAL : STAINLESS STEEL 1.4301 AND 1.4435		
02-10-00260	PISTON dia 80 1 st STAGE FOR C3N 1F	3	
	COMPRESSOR dia 80 x 100 mm		
02-10-00261	PISTON dia 40 2 nd STAGE FOR C3N 1F	3	
	COMPRESSOR dia 80 / 40 x 217.5 mm		
02-10-00262	PISTON dia 25 3 rd STAGE FOR C3N 1 F	3	
	COMPRESSOR dia 80 / 25 x 217.5mm .		
02-10-00263	PISTON PIN dia 32 x 65 mm .	9	
02-10-00264	PISTON RING dia 80 1 st STAGE FOR C3N 1F	25	
	COMPRESSOR dia 80 / 73.6 x 3 mm .		
02-10-00265	PISTON RING dia 40 2 nd STAGE FOR C3N 1F COMPRESSOR dia 40 / 36.8 x 2.5 mm	40	
02-10-00266	PISTON RING dia 25 3 rd STAGE FOR C3N 1F	40	
	COMPRESSOR dia 25 / 22. 7 x 2 mm		
02-10-00267	TOOTH CHAIN KH 015 A	3	
02-10-00268	SCRUBBING TOWER	3	
	STAINLESS STEEL 1.4301 WITH SOLUTION CONTANINER dia 500 / 300 x 2630 mm		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
02-10-00269	INJECTION CYLINDER FOR NITRAT CIRCUIT , COMPLETE . (218.000)	1	
	MATERIAL : STAINLESS STEEL 1.4301		
02-10-00270	LIQUIFIER FOR N2O PLANT P 50	1	
02-10-00271	Special pump to remove the sludge conventional non	3	
	Clog-slow speed centrifugal pump or mixed flow		
	Centrifugal pump, with variable - speed drive to		
	Control the recycle , and adjustable timer to control		
	The working pumps alternatvely every 8 hours		
	Head pumping not less than 10 m.		
	Max capacity : 600 m3/day		
	Normal operational capacity : 550 m3/day		
02-10-00272	Special pump to remove the sludge (45 kw ,1500 r.p.m ,3 ph)	2	
	Normal operational capacity 190 m3/hr		
	Head pumping up to 50 m (160ft)		
02-10-00273	Air compressors with following specification :	2	
	Air flow rate capacity uo to 25 m3/min		
	Normal operating capacity 12 m3/min		
	Pressure up to 60 b/in2		
	1000 r.p.m , 40kw ,380 v, 30hp		
02-10-00274	Epoxy coating	1000	lit
02-10-00275	Epoxy paint	600	lit
02-10-00276	Vertical axes surface aerator with the following specification :-	2	
	1-.hemicylindrical plate cover diam 1.64m and		
	length 4.8 m/gauge 18		
02-10-00277	2. galvanized iron rotor Diameter 0.8 m	2	
	3- .rotor speed 80 r.p.m		
	4-.rotor fixed angles 12 (3"x 3" x 3/8")		
	5-dimension of aerator galvanized plate (5x15x5) cm		
	6.electrical motor for the rotar ,with the following specification:-		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	electrical motor with mechanical gear boxes and a switch board is used to control		
	the operation of the four motors either manually or automatically with steel		
	cabinet of suitable size, the cabinet shall be solidly earthed and contains		
	all the required switches , meters , contractors , relays , timersetc.		
	four cable feeders emerge from the cabinet to feed of the four motors independently		
	*-manual mode each motor may be started and stopped independently		
	*-Auto mode using this mode of operation ,two motors 10 cated on one side of the pool		
	shall be operated alternatively every 6 hours . two timer switch with readjusted setting		
	shall be used for		
	this purpose .the period of taking over between the two motor shall be		
	as minimum as possible.		
02-10-00278	1-Electric motors of the induction type with	4	
	mechanical gear box unit , 3-phase ,4-pole		
	,380V,50Hz.30hp,rating current ,insulation glass F		
	,IP 54 ,gear box ratio 1/18		
02-10-00279	2- Isolating switch with fuses ,400v,100a	1	
02-10-00280	3-Ammeter 0-200 A	3	
02-10-00281	4-Volt meter with change over switch 0-400 V	1	
02-10-00282	5-Earthling loops of 50 mm2 capper rods with connecting lead	1	
02-10-00283	6-Circuit breaker with earth leakage relay 400 V 60 A,3-phase	2	
02-10-00284	7-Contractor with thermal over load protection and on-off push	4	
	bottoms 400V,40A,3-phase		
02-10-00285	8-Selector switch 380V,5A for manual ,auto operation	1	

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
02-10-00286	9-Timer switch with break before make switch ,24hour,220V,2A	2	
02-10-00287	10-Steel cabinet of about 100x50x25 cm size with door	1	
02-10-00288	11-Cable PVC sheathed 4x25 mm2	1	
	Set of change parts for injection - blow molding machine type Procra REV 100, ITALY		
02-10-00289	1-Set of 4 cavities injection- blow molding mould	1	
	to produce bottles of 125 ml 12 gm, material HDPE.		
02-10-00290	2-Revolver with 4 cavities to produce bottles of	1	
	125 ml ,12 gm , Material HDPE.`		
	EQUIPMENT A		
	<u>CHILLERS :</u>		
02-10-00291	Water cooled chiller , centrifugal type trane	4	
	Capacity 800 tons.		
	Voltages 380 v		
	Model No :- ECVGB 080		
	Transformer 11/ 6.6 KV		
	Power supply 11 KV		
	Motor starter chiller 6.6 KV		
	Cooling tower		
	Pumps :		
	3 complete cooling tower pumps (1450 rpm)		
	3 chilled water pump (2900 rpm)		
	Recommended spare parts for 3 years		
	All needed accessories .		
02-10-00292	Water cooled chiller , centrifugal type carrier ,	4	
	Capacity 475 tons.		
	Model No 19 DK 71314 CN		
	Voltages 380 v		
	Motor starter chiller		
	Recommended spare parts for 3 years		
	3- All needed accessories .		
02-10-00293	Centrifugal Compressor for water cooled chiller centrifugal type trane	1	
	ECVGB 080 Capacity 800 tons.		
	- Recommended spare parts for 3 years		
	- All needed accessories .		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	Centrifugal Compressor for water cooled chiller centrifugal type Carrier		
	Model No 19 DK 71314 CN Capacity 475 tons.		
	- Recommended spare parts for 3 years		
	- All needed accessories .		
02-10-00294	Stainless steel shallow tilting pan to be used for preparation of binding	6	
	agents like starch paste, gelatin mucilage consist of		
	Working capacity 100 L .		
	Inner vessel constructed of st. st 316.		
	Jacket electrically heated with temp control up to 150? C.		
	Cover of tilting pan made of st. st.		
	Gear wheeled tilting device.		
	Hinged or mobile agitator variable speed electrically operated with st. st shaft		
	and propeller having 150 RPM approximately and heater to be explosion proof/		
	Motor and heater starters to be included with the pan and be explosion proof.		
	Spare parts for two years with part list and unit price.		
	To supply ethylene glycol for filling the pan jacket approx. 150 liters.		
	Quarantee for one year after installation.		
	SGS test.		
	CIF Samarra.		
	Any other recommended accessories or options.		
	Our electrical supply A.C. 380 V 50 Hz + N + E		
02-10-00295	Double cone dry mixer	2	
	Double cone dry mixer (CL, NE - cone mixer) capacity vol. 1200 L		
	Mixing chamber made of St. St grade 316.		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	Tuning revolution 17 - 20 R.P.M. with charging and discharging valves high of the discharging		
	valve note less than 60 cm from the floor .		
	Motors and control and panel to be water dust proof.		
	Quarantee for two year with part list and unit price.		
	S.G.S. test.		
	Any other recommended accessories or options.		
	Our electrical supply A.C 380 V 50 Hz + N +E.		
	CIF Samarra		
02-10-00296	Homogenizer Unit.	5	
	ST. ST homogenizing unit and recirculating used for high viscosity pharmaceutical		
	products as syrup. Capacity 50 litre		
	The motor to be sidly separated from the mixing area to avoid reach of		
	product to the motor in case of seal damage.		
	Electric starter for the motor must be included and must be Ex - proot		
	and motor also to be explosion proof.		
	Our electric supply is 380 V. 3 Ph 50 Hz +N+E		
	SGS in spatction must included.		
02-10-00297	Universal double arm mixing and kneading machine for pharmaceutical	2	
	mixing kneading for power.		
	Agitator style as Z form.		
	Total capacity 300 L.		
	Working capacity 150 - 200 L.		
	All contacts parts with products must be made of ST.ST		
	Mixing vessel automatic tilting type by hydraulic system for discharging		
	of product or during cleaning.		
	Revolution per minute of the driven of motor to be 82 R.P.M.		
	Motors and control panel to be water and dust proof also explosion proof.		
	Spare parts for two years with parts list and unit price.		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	SGS TEST		
	Quarantee for one year after installation.		
	Any other recommended accessories or option.		
	Our electrical supply AC 380 V 50 Hz + N+E		
	CIF Samarra.		
02-10-00298	Aluminum printing machine	10	
	Automatic printing machine on aluminum rool sheet width 300mm		
	and variable speed up to 5000 m / hr to feed the ink automatically to the ink rool.		
	Automatic ink drying unit after printing.		
	All pant with contact to aluminum rool to be ST.Steel.		
	The electrical control		
	Safety guard must be included .		
	All accessories needed to put the machine in production must be included .		
	Our electric power supply is 380V . 50Hz . 3Ph+N+E .		
	Commissioning installation training must be included		
	Spear parts for two years with list.		
	CIF Samarra.		
	SGS inspection.		
02-10-00299	Automatic boiler with diarator with feed water treatment plant	3	
	Steam capacity of boiler 10 000 Kg /hr .		
	Working pressure 8bar		
	Material and wall thickness according to German technical regulation .electricity welded body.		
	Smoke tubes in the second and third flue. Welded in the bottons front reversing chamber for		
	smoke gas , insulated , exhaust gas , cleaning tools , spare packing , as well as all necessary		
	connection pieces for steam feeding ,safety valves , venting , drainage , measuring device ,		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	and with complete insulation made of 100 mm mineral wool and galvanized		
	sheet metal coating , the boiler with		
	Fine fitting		
	Water level limiter		
	Maximum water level limiter		
	Mud drain valve		
	Desalting valve		
	Pump switch		
	Smoke gas shutting damper		
	Furnace plant for firing of fuel oil contain		
	(a).rotating diffuser (b) storage tank for combustion air		
	(c) fan (d) automatic control device for furnace (e) failure indicator (f) control equipment		
	(g) furnace armatures (h) fuel supply with fuel pressure controller i. Start up device		
	Insulation of pipe for hot media		
	Daily tank for oil		
	Feed water treatment plant		
	2 feeding water pump		
	Feed water tank		
	Electric switch plant		
	Piping complete with installed existing boiler with accessories.		
	The water treatment plant specified as follow :		
	Fully automatic feed water treatment plant consisting two units , one is working ,		
	another stand by . capacity for each unit 10 m3/hr . each unit consist of two filters,		
	the second one for making the hardness of the soft water approximately zero the plant with		
	diluting tank , conductivity water, blending device, dosing devise, sample cooler,		
	sample cabinet and equipment of chemical, including all armatures, piping,		
	testing point and flanges, screws and packing .		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	Commission, conducting test run according to specification		
	CIF Samarra.		
	accessories to put the plant in operation .		
	<u>Cable Tray ,</u>		
02-10-00300	1- 30 cm width x 10 cm high , hot-dip galvanized after fabrication	2000	mt
02-10-00301	2- cable tray 10 -15 cm width x 5 cm high	4000	mt
	with all accessories		
	<u>Flexible pipes</u>		
	Steel based flexible conduit with all accessories , size (20 mm,		
	25 mm , 32 mm) , lengths :		
02-10-00302	*- 20 mm	1500	mt
02-10-00303	*- 25 mm	1000	mt
02-10-00304	*- 32mm	500	mt
02-10-00305	<u>Distribution Boards Crab tree 24- 36 ways</u>	250	pcs
	- Bus bar ratings of 100 Amps to 250 Amps .		
	-Incoming from 100 Amps to 250 Amps .		
	-Incoming options Aut .MCCB-RCD - DIRECT		
	- Outgoing circuits from 10 Amps-40 Amps SP-DD-TP		
	-Distribution Boards for 3phase		
	phase color identification and circuit identity label complete		
	with neutral and earth bars .		
	Electrostatically applied EPOXY paint finish		
	- Degree of protection IP 40 BS 5420 IEC 144		
	Rigid sheet steel construction		
	-Out going twenty four to thirty -six ways .		
	<u>Switches for lighting system and Socket out let for power</u>		
	System for building No 1, 2,3		
02-10-00306	1- switch socket outlet rectangular pin 13A single pole	1500	
	switched type MK or England made .		
02-10-00307	2- switch socket outlet rectangular pin 13A single pole	50	

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	weather proof switched type MK or England made		
02-10-00308	3- Switch Socket outlet rectangular pin 15A single pole	400	
	switched type MK or England made		
02-10-00309	4- Switch Socket outlet rectangular pin 15A single pole	50	
	weather proof switched type MK or England made		
02-10-00310	5- switch socket outlet rectangular pin 13A single pole ,	450	
	Duplex switched type MK or England made		
02-10-00311	6- Switch 15 Amp one gang , one way plastic cover .	100	
02-10-00312	7- Switch 15 Amp two gang , one way plastic cover .	250	
02-10-00313	8- Switch 15 Amp three gang , one way plastic cover .	250	
02-10-00314	9- Switch 15 Amp four gang , one way plastic cover .	200	
02-10-00315	10- Switch 15 Amp one gang , two way plastic cover .	40	
02-10-00316	11- Switch 15 Amp one gang with indicator lamp, one way plastic cover .	500	
02-10-00317	12-30 A ,1 Phase ,Isolator or England made .	100	
02-10-00318	13-30 A ,3 Phase ,Isolator or England made .	150	
02-10-00319	14- 60 A ,1 Phase ,Isolator or England made .	20	
02-10-00320	15- 60 A ,3 Phase ,Isolator or England made .	40	
02-10-00321	16- 100 A ,3 Phase ,Isolator or England made .	10	
	Single Wire Stranded Copper Conductor Pvc - Insulated		
	SIZE A*		
02-10-00322	2.5 mm2 red	2000	mt
02-10-00323	2.5 mm2 Black	2000	mt
02-10-00324	2.5 mm2 Blue	2000	mt
02-10-00325	2.5 mm2 yellow	2000	mt
02-10-00326	2.5 mm2 green	2000	mt
	SIZE B*		
02-10-00327	4 mm2 red	1000	mt
02-10-00328	4 mm2 Black	1000	mt

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
02-10-00329	4 mm2 Blue	1000	mt
02-10-00330	4 mm2 yellow	1000	mt
02-10-00331	4 mm2 green	1000	mt
	SIZE C*		
02-10-00332	6 mm2 red	1000	mt
02-10-00333	6 mm2 Black	1000	mt
02-10-00334	6 mm2 Blue	1000	mt
02-10-00335	6 mm2 yellow	1000	mt
02-10-00336	6 mm2 green	1000	mt
02-10-00337	Galvanized sheet gage 24	75	ton
02-10-00338	Galvanized sheet gage 22	75	ton
02-10-00339	Aluminum sheet gage 24	15	ton
02-10-00340	Acid resistant tiles, thickness 10 mm , Dimension 15cmX15cm	6000	m2
02-10-00341	Epoxy coating 6 mm for floor treatment in Mar maceutical in dusterial areas	36000	lit
02-10-00342	Epoxy paints for walls treatment	14000	lit
02-10-00343	Anti static P.V.C tiles	600	m2
02-10-00344	Electro conductive P.V.C	100	m2
02-10-00345	Quarry ceramic tiles	500	m2
02-10-00346	Special partitions (metal type glazed insulated light weight	33000	m2
02-10-00347	Metal false ceiling for pharmaceutical production area With lighting fittings florescent type	19300	m2
02-10-00348	Double glazed window	500	m2
02-10-00349	Plaster stop	9300	m2
02-10-00350	Expansion joints for :-		
02-10-00351	A- floors	720	mt
02-10-00352	B- Walls	330	mt
02-10-00353	C- Ceilings	330	mt
02-10-00354	Anti fungus paints	3000	lit
02-10-00625	Capsules		
	Capsule Type Snap fit Capsule		
	Empty gelatin capsule size 0 printed .	7500000000	caps
	Empty gelatin capsule size 1 printed	5000000000	caps
	N.B/		
	1-5000 Capsules sample of each size is required for evaluation		
	2- For exact color & printing sample will be sent to the buyer upon it's request .		
	3-Capsules to be protected by paper / polyethlene bags packed		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	in a strong double corrugated carton .inner sides lined with		
	trays of styropore foam , outer sides wall laminated with wax		
	lamination .		
	4-Shipment and transportation should be effected in refrigerated		
	trucks ,to insure safe arrival and quality .		
02-10-00626	Oral Drops		
	1-Glass bottle droppers ,15 ml round amber bakelite	5000000	
	18 mm, (drawing no .SDI-18) Art no 73413 .		
	2-Internal plastic droppers art .no B 1810-1	5000000	
	3-White Bakelite cap (Art no . Li810)	5000000	
	Specifications:		
	G1Glass bottles to be from glass type III		
	G1Glass bottles should meet the limit test of alkalinity		
	(Analytical certificate is required).		
	3-Transmission of light & chemical resistance of amber glass		
	bottles & specifications to be according to USPXXI.		
	4-Bottles :Finish 17.4 mm, capacity 15 ml ,weight 31-35 gm body		
	diameter 27.8(+0.5, - 0.5)mm		
	5-Bottles to be arranged as 195(13x15)pcs/pack ,6 packs/layer 18		
	,layers / palette ,(21060 pcs /pal)packs with finish upside down .		
	6-Palette :dimensions 1200/800 , height 1400 mm weight 690 kg.		
	7- Covering : 10 pcs pads in between each 2 layers		
	1195x795(dimensions 9 pcs trays with 1195x795x100		
	mm in dimensions arranged on the bottom, then on		
	the 3,5,7,9,11,13,15,18, layer .		
	Totally covered by double plastic foil 2120/1900/0.25		
	Shrink wrapped & stripped, labels with all in formations		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	To be stacked on outer sides.		
	<u>Plastic dropper & Bakelite cap:</u>		
	Each kind to be packed in a well closed nylon sac of 1000 pcs & each 2 saces		
	packed in a strong worthy export corrugated card board carton in non return		
	shrink warp palette,with large outer labels on cartons		
	& palettes with all in formations & quantities inside .		
02-10-00627	Glass Bottle Dropper	5000000	
	Glass bottle droppers 15 ml , round ,amber finish 18 mm		
	(drawing no . 7B809)		
	Specifications:		
	1-Glass bottles to be from glass type III		
	2-Glass bottles should meet the limit test of alkalinity		
	(Analytical certificate is required).		
	3-Transmission of light & chemical resistance of amber		
	glass bottles & specifications to be according to USPXXI.		
	4- Bottles :Finish 19.4 mm, capacity 15 ml ,weight 19-21 gm		
	body diameter 26-27 mm height 56.7 - 57.7mm .		
	5-Bottles to be arranged as 221 pcs/pack (13x17) ,		
	6 packs /layer ,19layers/palette (25194 pcs/pal)packs		
	with the finish upside down .		
	6-Palette: dimensions 1200/800 , height 1320 mm weight		
	550 kg.		
	7- Covering : 10 pcs pads in between each 2 layers with		
	dimensions 1195x795 mm		
	10 pcs trays with 1195x100 mm dimensions arranged		
	in the bottom, then on the 3,5,7,9,11,13,15,17,19 layer .		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	Totally covered by double plastic foil 2120/1900/0.25		
	Shrink warped & stripped , labels contains all the		
	In formations To be stacked on outer sides.		
02-10-00628	Un graduated glass dropper , composed of glass tube ,	5000000	
	Black butyl rubber leucolene teat, black Bakelite cap.18mm		
	& must be assembled		
	1-Glass dropper to be from glass type III		
	2-Glass droppers to fit with glass bottle dropper 15 ml		
	finish 18 mm (drawing no. SDI-19 - improved) .		
	3- Enclosed samples of glass droppers to be supplied		
	accordingly .		
	4-To be packed in a well closed nylon sac of 1000 pcs &		
	each 2 saces packed in a strong worthy export corrugated		
	card board carton in non return shrink warp palette , with		
	large outer labels on cartons & palettes Contained all		
	in formations with quantities inside .		
02-10-00629	Eye drop glass bottles	10000000	pcs
	Glass bottles dropper 12 ml round amber (drawing no.SDI - 22 N)		
	Specification :		
	1-Glass bottles to be from glass type III		
	2-Transmission of light & chemical resistance of amber		
	glass bottles &all other specifications to be according to		
	USPXXI.		
	3-Bottles : Finish 17.05 mm, capacity 12ml ,weight,		
	23-25 gm ,body dimensions 24.5-25.5 mm height:		
	60.5-61.5 mm		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	4-Bottles to be arranged as 255 pcs/pack (15x17) ,		
	6 packs /layer ,18 layers/palette (27540 pcs /pal) packs		
	with the finish upside down .		
	5-Palette: dimensions 1200/800 , height 1360 mm weight 700 kg		
	6- Covering : 10 pcs pads in between each 2 layers with		
	dimensions 1195x795 mm, 9 trays with 1195x795x130		
	mm dimensions covering outer sides of the palette .		
	Totally covered by double foil 2200/1900/0.25 Shrink warped & stripped		
	,labels contains all the in formations To be		
	Stacked on the outer sides.		
02-10-00630	Un graduated glass dropper for 12 ml glass bottle dropper , composed of Un graduated	10000000	
	white bent glass		
	Tube , blue teat, white Bakelite cap & to be assembled Together.		
	Specifications:		
	1-Glass dropper to be from glass type III		
	2-Outer diameter of the glass tube to be 5 mm(+0.25		
	, -0.25)mm the clearance distance between the glass		
	tube nazzle & inside bottom of the glass bottle dropper		
	to be 1.5 - 2 mm after closing .		
	3-Blue leucolene teat to be made from butyl rubber &		
	Have :-Weight of 2.1-2.2 gm to prevent floating of droppers on		
	Washing solution total length 23.5 (+0.5, -0.5) mm		
	4-The glass tube , rubber teat ,to be well fitted into the		
	Bakelite cap to ensure no movement or separation of		
	Each .		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	5-Complete droppers(teat ,Bakelite cap & glass tube).		
	Have to bear autoclaving at 122C for 30 min		
	Enclosed samples of 100 sampled glass bottle with		
	Droppers is required .		
	Samples of 200 sampled glass droppers is required		
	For evaluation .		
	To be packed in a well closed nylon sac of 1000 pcs		
	& each 2 saces packed in a strong worthy export		
	corrugated card board carton in non return shrink		
	warp palette , with large in non return shrink warp		
	Palette , with large outer labels on cartons & palettes		
	Contained all in formations with quantities inside.		
	<u>ALUMINIUM TUBES</u>	15000000	tube
02-10-00631	A-Aluminum tubes 13.5x70 mm cylindrical printed in		
	Two colors internally lacquered with plastic		
	Ophthalmic nozzle pick & membrane orifice with ring		
	For (Pfizer type)		
	Specifications:		
	1-The tubes must contains gasket ring made of latex		
	7 mm wide & should be fixed in side the tube approx		
	2mm (+1, -1 mm) from the tube end & should have		
	a constant thickness of 0.02 - 0.025 mm		
	2-The specification of Alum .tube & internal lacquer to be		
	according to British standard ,analytical certificate is		
	required .		
	3-Tubes to be packed by I,W,K,A Cartooning machines		
	type carton KKI.		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	4-Tubes to be packed in corrugated cartons without		
	divisions of 250 pcs/each & repacked in wooden cases		
	with outer side printed with all in formations & quantity		
	in side, Inner sides carton dimensions :		
	(length 293 x width 148 x height 105mm)		
	5-In addition assembled thin carton divisions is needed &		
	to be used inside the above cartons for packing 200 tubes		
	of the finished product , the division are with the		
	following dimensions:		
	a- Partition with 15 slots size 290 x 65 mm		
	b- Partition with 9 slots size 140 x 65 mm .		
	Each 19 partitions of size (140 x 65 mm) & 9 Partitions		
	Of size (290 x 65mm) to be assembled together in one division (set) .		
	6- Packing:- Each 100 sets (assembled divisions) to be		
	packed in a worthy export strong corrugated carton &		
	Palletized , large in formation lable on the carton outer		
	Side is needed .		
02-10-00632	<u>B-Aluminum tubes 19x100 mm cylindrical printed in</u>	15000000	tube
	Two colors internally lacquered for skin oint. & creams		
	(medical) use with orifice membrane & white caps with		
	punctured thorn .		
	Specifications& packing :		
	1-The tubes must contains gasket ring made of latex		
	7 mm wide & should be fixed in side the tube approx		
	2mm (+1, -1 mm) from the tube end & should have		
	a constant thickness of 0.02 - 0.025 mm		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	2-The specification of Alum .tube & internal lacquer to be		
	according to British standard ,analytical certificate is		
	required .		
	3-Tubes to be packed by I,W,K,A Cartooning machines type carton KKI.		
	4-Tubes to be packed in corrugated cartons approx. dimensions :		
	(length 315 x width 250 x height125mm)		
	using divisions in between alum.tubes for separation & repacked in		
	wooden cases ,All necessary in formations & quantity to be printed		
	on cartons & the box in oute sides .		
02-10-00633	<u>C- Aluminum tubes 22x115 mm cylindrical printed in Two Color</u>	15000000	tube
	Internally lacquered for skin Oint . & creams (medical use) with		
	orifice membrane & white cap with punctured thorn		
	Specifications & packing :		
	1-The tubes must contains gasket ring made of latex		
	7 mm wide & should be fixed in side the tube approx		
	2mm (+1, -1 mm) from the tube end & should have		
	a constant thickness of 0.02 - 0.025 mm		
	2-The specification of Alum .tube & internal lacquer to be according		
	to British standard ,analytical certificate is required .		
	3-Tubes to be packed by I,W,K,A Cartooning machines type carton KKI.		
	4-Tubes to be packed in corrugated cartons approx. dimensions :		
	(length 315 x width 260 x height125mm)		
	using divisions in between alum.tubes for separation &		
	repacked in wooden cases ,All necessary in formations		
	& quantity to be printed on cartons & the box in outer		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	sides .		
02-10-00634	<u>Glass bottles 125ml finish 28mm round amber</u>	35000000	bott
	Specifications:		
	1-Glass bottles to be from glass type III .		
	2-Glass bottles should meet the limit test of alkalinity		
	(Analytical certificate is required).		
	3-Transmission of light of amber glass bottles should be		
	according to USPXXI.		
	Bottle Packing : to be arranged as 63 pcs/pack(7x9)		
	6 packs/layer. 9 layers /pal (3402 pcs/pal), packs with		
	the finish up side down in separately shrink wrapped		
	quantities .		
	Palette size 1200/800 mm , height : 1330 mm		
	Weight : 375/ 410 kg .		
	5-Covering One pad on bottom with 1195x795x795 mm		
	dimensions , 9 trays on all layers covering outer sides		
	of the palette with 1195x795x100 mm dimensions .		
	Totally covered by double plastic 2400/1900/0.25		
	Shrink warped & stripped , labels contains all the in		
	Formations To be stacked on the outer sides.		
02-10-00635	<u>Glass bottles 125 ml , finish marked to 100 C.C 28 mm , round , amber.</u>	15000000	bott
	Specifications:		
	1-Glass bottles to be from glass type III round amber .		
	2-Glass bottles should meet the limit test of alkalinity		
	(Analytical certificate is required).		
	3-Transmission of light & chemical resistance of amber glass.		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	glass bottles should be according to USPXXI.		
	4-Glass bottles to be packed with finish up side down in		
	a separately shrink warped quantities, arranged in Layers		
	separated totally by pads & trays covered in Between layers &		
	the outer sides on totally nylon Shrink wrapped palette		
	5- Glass bottle to be marked to 100 c.c for suspension .		
	6- labels contains all above information to be stacked on		
02-10-00636	<u>VIALS</u>	10000000	vial
	Glass bottles, 10ml vials , white , round finish 20mm ,used for packing Antibiotic powders.		
	Specifications & Packing :-		
	A-Glass bottles to be packed in corrugated trays of 240pcs		
	& arranged in layers totally covered with the outer palette		
	.sides by corrugated trays on a totally double layer		
	polyethylene of 0.4 mm thickness shrink wrapped palette .		
	- Large outer labels printed with all above in formation to		
	be stacked on palette .		
	B-Glass bottles(vials) are used for packing antibiotic		
	Powders made from glass type III which should meet the		
	Limit test of alkalinity & chemical resistance of glasses		
	According to USPXXI(analytical certificates is required)		
	- Samples of 200 G.B is required for evaluation .		
02-10-00637	<u>Rubber Plugs</u>	20000000	pcs
	Rubber plugs from butyl rubber for antibiotic vials (B.S. 3263-1960)		
	Color red(According to DIN58 366 - JS8).		
	- Quality : FM 50% Chloro butyl rubber , color red.		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	Samples of 2000 pcs is required for evaluation.		
	Packing :		
	Each 7000 pcs packed in Polyethylene sac & Repacked in a		
	strong double layer corrugated carton on A totally shrink		
	palette . Large label printed with all in formations to be stacked		
	On cartons & palettes		
02-10-00638	<u>Aluminum Sealing</u>	50000000	pcs
	A-Aluminum Cap pilfer proof ,28 mm , whit color printed		
	In One color according to DIN 60945 (28x18mm)		
	Specifications:		
	Thickness of alum .cap to be 0.23 mm		
	The points between caps & it's ends must be proper to open the cap easily after closing		
	according to the standard torque force for each .		
	3-The pad to be 2.4 mm thickness & well fitted to the caps		
	To ensure no separation .		
02-10-00639	<u>B-Aluminum caps for antibiotic vials ,high 8 mm</u>	20000000	pcs
	,thickness 0.22 mm(-0.2 , +0.2 mm) diameter 20 mm		
	(Group 13 DIN 266-BM2-13)		
	- Samples of 5000 pcs is required for evaluation		
02-10-00640	<u>Ampoules Labels</u>	300	meter
	Automatic labeling machine HAPA 411 Heat seal paper		
	Quality : thermo - sensitive PBL3 55 NR. Kromekote		
	weight :paper 78 g/m2		
	Emulsion 18 g/m2 (+0.5,-0.5g)		
	Totally :96 g/m2		
	Size :Narrow roll width 32(+0.2,-0.2) mm		
	Core diameter 76 mm		
	Outer diameter max.380 mm		
	Length of roll max 1000mm		
	Splices spots: max 1 per roll		
	Each 1 ml ampoules needs 15 mm label		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	Each 2 ml ampoules needs 24 mm label		
02-10-00641	<u>Self Adhesive labels</u>	100000000	pcs
	1- Pharmaceutical labels printed in two colors 70gm of self		
	adhesive roll size 40 x 80 mm		
	to be used on nor print machine .		
	the distance between each 2 successive labels is 2.5mm		
	Each roll contains 9000-10000 labels .		
	Foil direction (foil winding) is anti -wise direction .		
	Roll core diameter is 70-75 mm One roll sample is need .		
02-10-00642	2- Pharmaceutical labels printed in two colors on self	300000000	pcs
	adhesive paper roll size 22 x 52 mm to be used in C.E.		
	King machine model collimate 70.		
	the distance between each 2 successive labels is 2.5mm		
	Each roll contains 9000- 9500 labels .		
	Labels to be suitable for sticking on siliconized outer		
	Surface treated glass bottles .		
	One roll sample for evaluation is need .		
02-10-00643	<u>Label reel to be used for self adhesive</u>	100000000	pcs
	Automatic labeling m/cs ' Neri machines '		
	the distance between each 2 successive labels is 3mm		
	label dimensions = 80 mm long x 40mm height		
	reel max .diameter = 250-300mm		
	reel core diameter = 70-75 mm		
	fail un winding to be clock wise direction .		
	labels to be from out side of the foil reel and in the position.		
	- One roll sample is need		
	<u>Special inks to print over p.v.c bags</u>		
	(According to 1.C.I, Bermann cod No.)		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
02-10-00644	Red K20	100	ltr
02-10-00645	Green K40	100	ltr
02-10-00646	Blue K31	100	ltr
02-10-00647	Black K65	50	ltr
02-10-00648	Yellow K10	25	ltr
02-10-00649	Terriquaze K34	35	ltr
02-10-00650	Violet K37	10	ltr
02-10-00651	Marrone K23	10	ltr
02-10-00652	Brown K50	25	ltr
02-10-00653	Gray	25	ltr
02-10-00654	Pink	15	ltr
02-10-00655	White	75	ltr
02-10-00656	13-Orange K15	15	ltr
02-10-00657	ink for printing machine - special - stempel r 9	20	ltr
	<u>Solvent for the inks above</u>		
02-10-00756	1- Solvent KVS		
02-10-00658	1- Solvent KVS	500	ltr
02-10-00659	2-Solvent KVh	100	ltr
02-10-00659	2- SOLVENT KVB	100	ltr
02-10-00660	3- Solvent KD	50	ltr
	<u>Glue</u>		
02-10-00660	1- Strunck -col -S		
02-10-00661	1- Strunck -col -S	3000	kg
02-10-00662	2-Strunck -col-N	20000	kg
	<u>Flex graphic</u>		
	<u>Flex graphic</u>		
02-10-00663	(thermal resistant ink)	25	ltr
02-10-00762	Blue color	25	liter
02-10-00664	Black color	25	ltr
02-10-00665	Red color	300	ltr
02-10-00765	Solvent for the flex graphic ink	150	ton
02-10-00666	<u>Non Toxic p.v.c sheath</u>	150	ton
	105 / 0.35 mm		
	105/0.35MM		
	weight of roll 14 - 15 kg		
	Core diameter 110 mm		
	Acceptable foreign particle seen under polarized light 3% max		
02-10-00667	<u>NON TOXIC P.V.C TUBE</u>	10	ton
	6.3 - 7.9 mm		
	weight of roll 4-5 kg		
	Core diameter 170-180 mm		
02-10-00668	<u>Stopper for I.V solution bag special macrolon stopper</u>	8000000	
	T.N.C.A 500 pcs or 1000 / sealed P.E bag 5-10 bags in carton box .		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
02-10-00669	<u>PVC /PVC Cables , insulated copper cable size of:</u>		
	3x 2.5 mm2 0.6 /1 kV	20000	m
	3x4 mm2 0.6 /1 kV	5000	m
	3x6 mm2 0.6 /1 kV	2000	m
	3x6 mm2 0.6 /1 kV	1000	m
02-10-00670	<u>PVC /PVC Cables , insulated and sheathed circular copper</u>		
	Cable to BS 6004 and VDE / 027/ four - core siz of :		
	3x35+16+E mm2	500	meter
	3x50+25+E mm2	500	meter
	3x70+35+E mm2	500	meter
	3x95+50+E mm2	250	meter
02-10-00671	<u>Heavy -Gauge Steel Galvanized Pipe</u>		
	1-size 20 mm dia	10000	ml
	2- size 25 mm dia	10000	ml
	3- size 35 mm dia	10000	ml
	with all accessories		
02-10-00672	<u>Bottle bag Production line</u>	1	
	Bottle bag Production line		
	Complete line for aseptic bottle bag system (molding , filling , selling)in one operation		
	The line molding :		
	Water treatment unit dosing unit for chemicals main production machine		
	Capacity with respect to volumes (for 5cc) molding volumes		
	(5,10,50,100,500,1000,2000 cc)		
	All accessories needed to put the machine in work with above volume.		
	Any option needed (filter , laminar flow ... Etc). All materials need to work		
	with maximum capacity for one year .		
	Bottle bag Production line		
02-10-00673	<u>Fully automatic rotary filling machine</u>	2	
	Machine Europe		
	To fill powder, pellets in capsule		
	Capacity 50000 - 60000 capsules hour :		
	- Change part to fill in capsules size 0, 1, 2.		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	- Capsule sorting unite to be included		
	- Capsules polishing unite to be included		
	- Filter and dust collector device to be included		
	- Quanls and all safeties to be included		
	- All necessary accessories to put the machine in protection		
	- Any recommended optional		
	- Spare parts for 2 years		
	- The voltage for machine must be 3 ph, 380 v, 50 Hz + N + E		
	- Commissioning - installation, training to be included		
	- Packing - freight charges, insurance to be included		
	- Total price CIF Samarra		
02-10-00674	<u>Thermoforming blister machine capacity 200 blister /min</u>	4	
	- Fully automatic thermoforming blister machine to fill in blister pharmaceutical		
	dosage from of capsules and tablet with defiant diameter using P. V. C. and aluminum rell.		
	The tablets diameter are 12.7, 12, 10.3, 9, 7.9, 7.1, 7, 5 for capsules F0, F1		
	- The machine are equipped with thermal coding device for batch manufacture date,		
	expire date on each blister.		
	- Cheacking device to reject afaulity blister		
	- Dust collector device		
	- Chilled water unit for the machine		
	- Guards and all soften in the machine all necessary accessories to put		
	the machine in production		
	- Any recommended optional		
	- spare parts for capsules		
	- change part for capsule and tablets size		
	- the voltage for machine must be 3ph, 380 v, 50 Hz + N + E		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	- Commissioning installation, training must be include		
	- CIF Samarra		
	<u>SPARE PARTS FOR CAPSULE FILLING MACHINE MG2 MODEL G37N s.n : 4125</u>		
02-10-00675	Lubrication pump		
02-10-00676	Cam		
02-10-00677	Block		
02-10-00678	Gasket		
02-10-00679	Shaft transfer pin		
02-10-00680	Dosator size 1		
02-10-00681	Dosater size 0		
02-10-00682	Motor and vacuum pump		
02-10-00683	Shaft transfer pin		
02-10-00684	Suction mouth		
02-10-00685	Scraper WRM 22 x 16 x 5		
02-10-00686	Bush		
02-10-00687	Bush		
02-10-00688	Shaft		
02-10-00689	Body plastic		
02-10-00690	Gasket		
	- Packing, freight charge, insurance to be included		
	- Total price CIF Samarra		
02-10-00691	<u>VIAL LINE FOR STERILE LIQUID FILLING CAPACITY 200 VIAL/MIN</u>	1	
	Complete line for filling sterile liquid in vial consist of:		
	-Washing machine		
	-Laminar flow sterilizing tunnel		
	-Filling sealing machine 200 vial/min		
	-Capping machine ,clinching machine with variable speed up to 250 vial/min		
	-Self adhesive label machine 250 vial/min		
	-Cartooning machine		
	-Case pack machine with all necessary accessories to complete the line		
	-Any recommended optional		
	-Spare parts for 2 years		
	-Set of additional change part		
	-Dose volume 0.5 ml-10ml		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
02-10-00692	<u>ST.ST FLUID BED DRYING UNIT CAPACITY 150 KG ELECTRICAL HEATED MODEL</u>	6	
	Suitable to dry wet mass with all needed accessories with PLC.		
	And complete spraying system .		
	Any recommended options needed.		
	Spare parts for 2 years.		
	Extra set of filters.		
	Extra truly.		
	Explosion proof.		
02-10-00693	COATING PAN	4	
	Complete traditional st-steel coating pan size 40"		
	Finished wt capacity 120 kg with internal bevels with all necessary accessories		
	to put the machine in operation		
	Any recommended optional		
	The voltage for the machine must be 3ph-380v-50hz +N + E		
	FILM COATING PAN		
	Fully automatic film coating pan unit capacity 150 kg		
	Complete with all accessories		
	Complete spray system unit		
	Air system ventilation unit with the ability to process organic and aqueous		
	film coating and sugar coating		
	Ability to process neutral micro granules / spherical pellets from sugar or an other		
	suitable crystal cores		
	Growing neutral or active micro granules by addition of powder/ binder solution		
	Any recommended optional		
	The voltage for the machine must be 3ph-380v-50hz+N+E		
02-10-00694	THERMO FORMING BLISTER MACHINE	4	
	Fully automatic thermo forming blister machine to fill in blister 3 pharmaceutical		
	dosage form capsules, tablets with different size and shape (one KIT)		
	capacity 100 blister/min		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	With all necessary accessories to put the machine in operation		
	Any recommended optional		
	The voltage for the machine must be 3ph-380v-50hz+N+E		
	FILTERS		
02-10-00695	- Anti bacterial membrane filter for sterilization of liquid ø 293 mm 0.2-0.22 micron pore	5000	pcs
	Pre filter SM 13400 or 13430 (sartorius) ø 257mm AP 15 ø 257 mm Millipore or similar		
02-10-00696	//Anti bacterial membrane filter for sterilization of liquid ø 293 mm 0-45 micro (pore)	7000	pcs
02-10-00697	//depth filter sheet size 40 x 40 mm for filtration K1871	2500	pcs
	//(for plate compress Filter unit for liquid) type HP4 or HP EK4 or similar of liquid		
02-10-00698	<u>PASSENGER LIFTS FOR BUILDING NO.2</u>	2	
	1.Number of lifts		
	2.Details of hoisway		
	shaft dimension (clear)		
	2.1M length x 1.75 m width		
	Number of landings 3 nos.		
	depth of pit below first 1.7 m		
	Height of machine room above the hoisway roof 2.7m		
	All the openings are to the same side		
	Door opening in shaft at landings 0.8m width x 2m high		
	3.Lift performance specifications: -		
	type passenger lift		
	capacity 10 passengers or 800 kg		
	type of machine (1) single speed A.C motor geared 1m/s-2m/s		
	type of door: automatic center opening single leaf		
	door close protection :		
	safety edge		
	type of control 1		
02-10-00699	GOODS LIFTS FOR BUILDING NO.2	1	
	1.Number of lifts		
	2.Details of hoisway		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	shaft dimensions (clear)		
	3.2m length x 2.3 m width		
	number of landings 2 Nos.		
	depth of pit below first 1.7m		
	high of machine room above the hoisway roof 2.7m		
	all the opening are to the same side		
	lift performance specification		
	type passenger lift		
	capacity 1200kg		
	type of machine (1) single speed A.C motor geared 0.5-0.8 m/s		
	type of door : automatic center opening single leaf		
	door close protection:-		
	safety edge		
	type of control (1)		
02-10-00700	<u>GOODS LIFTS FOR BUILDING NO. 2</u>	2	
	1.Number of lift		
	2.Details of hoisway		
	shaft dimensions(clear) 1.75m length x 1.45m width		
	Number of landings 5 Nos.		
	depth of pit below first 1.5m		
	height of machine room above the hoisway roof 2.7m		
	all the openings are too the same side		
	door opening in shaft at landing 0.8 m		
	3.lift performance specifications: -		
	a) Type passenger lift		
	b) Capacity 400 kg		
	c) Type of machine (1) single speed A.C motor geared 0.5-0.8 m/s		
	d) Type of door: -automatic center opening single leaf		
	safety edge		
	type of control 1		
02-10-00701	GOODS LIFTS FOR BUILDING NO.1&2	2	
	1.Number of lifts		
	2.Details of hoisway: -		
	shaft dimensions (clear) 2.7m length x 2.3m width		
	Number of landings 4 Nos.		
	depth of pit below first 1.7m		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	height of machine room above the hoisway roof 2.7m		
	all the openings are to the same side		
	3.lift performance specifications: -		
	type passenger lift		
	capacity 1000 kg		
	type of machine (1) single speed A.C motor geared 0.5-0.8 m/s		
	type of door :- automatic center opening single leaf		
	door close protection		
	safety edge		
	type of control (1)		
02-10-00702	<u>PASSENGER LIFTS FOR BUILDING NO.3</u>	2	
	Number of lifts.		
	Details of hoisway		
	shaft dimensions (clear) 1.8m length x 1.5 m width		
	Number of landings 3 Nos.		
	depth of pit below first 1.5 m		
	height of machine room above the hoisway roof 2.7m		
	all the openings are to the same side		
	lift performance specifications:-		
	type passenger lift		
	capacity 6 passengers or 500 kg		
	type of machine (1) single speed A.C motor geared 1m/s		
	type of door:- automatic center opening single leaf		
	door close protections:-		
	safety edge		
	type of control (1)		
02-10-00703	<u>GOODS LIFTS FOR BUILDING NO.1</u>	1	
	Number of lifts.		
	Details of hoisawy :-		
	shaft dimension (clear) 2.7m length x 2.3m width		
	Number of landings 3 Nos.		
	Depth of pit below first 1.7 m		
	Height of machine room above the hoisway roof 2.7 m		
	All the opening are to the same side		
	Lift performance specifications :-		
	Type passenger lift		
	Capacity 1000 kg		
	Type of machine (1) single speed A.C motor geared 0.5-0.8m/s		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	Type of door:- automatic center opening single leaf		
	Door close protections:-		
	safety edge		
	type of control (1)		
02-10-00704	Latex examination gloves non sterile size 10, 12	300000	pairs
02-10-00705	Latex examination gloves sterile size 10, 12	100000	pairs
02-10-00706	Disposable head caps (nurses caps)	500000	pairs
02-10-00707	Disposable face mask (surgeons face mask)	500000	pairs
02-10-00708	<u>Fully automatic line ointment and cream capacity 100 tube / min</u>	2	machine
	Consist of :		
	Filling machine to fill tube size 5g,15g,25g		
	Cartooning machine		
	Case packer machine		
	With all necessary accessories to complete the line and any recommended optional .		
	The voltage for machine must be 3PH-380V-50HZ+N+E		
	TOOLS FOR MANESTY ROTARPRESS MK IIA 37		
02-10-00709	A-Upper punches diameter 12.0 mm flat beveled edge		
02-10-00710	-Lower punches diameter 12.0 mm flat beveled edge		
02-10-00711	- dies 12.0 mm bore diameter		
02-10-00712	B-Upper punches diameter 12.7 mm flat beveled edge Breadline.		
02-10-00713	-Lower punches diameter 12.7 mm flat beveled edge plain		
02-10-00714	-Dies 12.7 mm bore diameter .		
02-10-00715	C--Upper punches diameter10.3 mm deep concave plain		
02-10-00716	-Lower punches diameter 10.3 mm deep concave plain		
02-10-00717	-Dies 10.3 mm bore diameter		
02-10-00718	D-Upper punches diameter 9.0 mm shallow concave plain		
02-10-00719	- Lower punches diameter 9.0 mm shallow concave plain		
02-10-00720	-Dies 9.0 mm bore diameter		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
02-10-00721	E- Upper punches diameter 9.0 mm deep concave plain		
02-10-00722	- Lower punches diameter 9.0 mm deep concave plain		
02-10-00723	-dies 9.0 mm bore diameter		
02-10-00724	F-Upper punches diameter 110 mm shallow concave plain		
02-10-00725	- Lower punches diameter 110 mm shallow concave plain		
02-10-00726	-Dies 110 mm bore diameter		
02-10-00727	G Upper punches diameter 12.0 mm shallow concave plain		
02-10-00726	-Lower punches diameter 12.0 mm shallow concave plain		
02-10-00727	-Dies 12.0 mm bore diameter		
02-10-00728	H-Upper punches diameter 10.3 mm flat beveled edge Brak line.		
02-10-00729	-Lower punches diameter 10.3 mm flat beveled edge plain		
02-10-00730	-Dies 10.3 mm bore diameter		
02-10-00731	J-Upper punches diameter 9.0 mm flat beveled edge paline.		
02-10-00732	-Lower punches diameter 9.0.3 mm flat beveled edge plain		
02-10-00733	-Dies 9.0 mm bore diameter		
02-10-00734	A-Upper punches diameter 5.0 mm flat beveled edge Plain.		
02-10-00735	-Lower punches diameter 5.0 mm flat beveled edge Plain.		
02-10-00736	-Dies 5.0 mm bore diameter		
02-10-00737	B-Upper punches diameter 7.0 mm flat beveled edge Plain.		
02-10-00738	-Lower punches diameter 7.0 mm flat beveled edge Plain.		
02-10-00739	-Dies 7.0 mm bore diameter		
02-10-00740	C-Upper punches diameter 7.1 mm flat beveled edge Brake line.		
02-10-00741	-Lower punches diameter 7.1 mm flat beveled edge		
02-10-00742	- Dies 7.1 mm bore diameter		
02-10-00743	D-Upper punches diameter 7.9 mm flat beveled edge Brake line.		
02-10-00744	-Lower punches diameter 7.9 mm flat beveled edge plain		
02-10-00745	-Dies 7.9 mm bore diameter .		
02-10-00746	E--Upper punches diameter 8.0 mm deep concave plain		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
02-10-00747	-Lower punches diameter 8.0 mm deep concave plain		
02-10-00748	-Dies 8.0 mm bore diameter		
02-10-00749	F-Upper punches diameter 8.0 mm shallow concave plain		
02-10-00750	- Lower punches diameter 8.0 mm shallow concave plain		
02-10-00751	-Dies 8.0 mm bore diameter		
02-10-00752	G- Upper punches diameter 9.0 mm shallow concave plain		
02-10-00753	- Lower punches diameter 9.0 mm shallow concave plain		
02-10-00754	-Dies 9.0 mm bore diameter		
02-10-00755	H-Upper punches diameter 6.0 mm flat concave plain		
02-10-00756	- Lower punches diameter 6.0 mm flat concave plain		
02-10-00757	-Dies 6.0mm bore diameter		
02-10-00758	J-Upper punches diameter 10.3 mm shallow concave plain		
02-10-00759	-Lower punches diameter 10.3 mm shallow concave plain		
02-10-00760	-Dies 10.3 mm bore diameter		
	TOOLES FOR KILIAN ROTARY PREES MACHINE TYPE RTS 24 NR.31833-705186-434 ITEM 223:		
02-10-00761	A-Upper punches diameter 5.0 mm flat beveled edge	52	
02-10-00762	-Lower punches diameter 5.0 mm flat beveled edge	52	
02-10-00763	- Dies 5.0 mm bore diameter	52	
02-10-00764	B-Upper punches diameter 5.0 mm shallow concave plain.	52	
02-10-00765	-Lower punches diameter 5.0 mm shallow concave plain	52	
02-10-00766	-Dies 5.0 mm bore diameter .	52	
02-10-00767	C--Upper punches diameter 6.0 mm flat beveled edge plain	52	
02-10-00768	-Lower punches diameter 6.0 mm flat beveled edge plain		
02-10-00769	-Dies 6.0 mm bore diameter		
02-10-00770	D-Upper punches diameter 6.0 mm shallow concave plain	52	
02-10-00771	- Lower punches diameter 6.0 mm shallow concave plain	52	
02-10-00772	-Dies 6.0 mm bore diameter		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
02-10-00773	E- Upper punches diameter 7.0 mm flat beveled edge plain	78	
02-10-00774	- Lower punches diameter 7.0 mm flat beveled edge plain	78	
02-10-00775	/Dies 7.0 mm bore diameter	78	
02-10-00776	F-Upper punches diameter 7.0 mm shallow concave plain	78	
02-10-00777	- Lower punches diameter 7.0 mm shallow concave plain	78	
02-10-00778	-Dies 7.0 mm bore diameter	78	
02-10-00779	G Upper punches diameter 7.1 mm flat beveled edge plain	78	
02-10-00780	-Lower punches diameter 7.1 mm flat beveled edge plain	78	
02-10-00781	-Dies 7.1 mm bore diameter	78	
02-10-00782	H-Upper punches diameter 7.1 mm shallow concave plain .	78	
02-10-00783	-Lower punches diameter 7.1 mm shallow concave plain	78	
02-10-00784	-Dies 7.1 mm bore diameter	78	
02-10-00785	J-Upper punches diameter 7.9 mm flat beveled edge brake line.	78	
02-10-00786	-Lower punches diameter 7.9 mm flat beveled edge plain	78	
02-10-00787	-Dies 7.9 mm bore diameter	78	
02-10-00788	K-Upper punches diameter 8.0 mm flat beveled edge	78	
02-10-00789	-Lower punches diameter 8.0 mm flat beveled edge	78	
02-10-00790	- Dies 8.0 mm bore diameter	78	
02-10-00791	L-Upper punches diameter 8.0 mm shallow concave plain.	52	
02-10-00792	-Lower punches diameter 8.0 mm shallow concave plain	52	
02-10-00793	-Dies 5.0 mm bore diameter .	52	
02-10-00794	I--Upper punches diameter 9.0 mm shallow concave plain	52	
02-10-00795	-Lower punches diameter 9.0 mm shallow concave plain	52	
02-10-00796	-Dies 9.0 mm bore diameter	52	
02-10-00797	M-Upper punches diameter 9.0 mm flat beveled edge plain	52	
02-10-00798	- Lower punches diameter 9.0 mm flat beveled edge plain	52	
02-10-00799	-Dies 9.0 mm bore diameter	52	
02-10-00800	N-Upper punches diameter 10.3 mm deep concave plain	52	

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
02-10-00801	- Lower punches diameter 10.3 mm flat beveled edge plain	52	
02-10-00802	-Dies 10.3 mm bore diameter	52	
02-10-00803	0-Upper punches diameter 10.3 mm shallow concave plain	52	
02-10-00804	- Lower punches diameter 10.3 mm shallow concave plain	52	
02-10-00805	-Dies 10.3 mm bore diameter	52	
02-10-00806	P-Upper punches diameter 10.3 mm flat beveled edge brake line.	52	
02-10-00807	-Lower punches diameter 10.3 mm flat beveled edge plain	52	
02-10-00808	-Dies 10.3 mm bore diameter	52	
02-10-00809	Q-Upper punches diameter 11.0 mm flat beveled edge brake line . .	52	
02-10-00810	-Lower punches diameter 11.0 mm flat beveled edge plain	26	
02-10-00811	-Dies 11.0 mm bore diameter	26	
02-10-00812	S-Upper punches diameter 12.0 mm flat beveled edge plain.	26	
02-10-00813	-Lower punches diameter 12.0 mm flat beveled edge plain	52	
02-10-00814	-Dies 12.0mm bore diameter	52	
02-10-00815	T-Upper punches diameter 12.0 mm shallow concave plain	52	
02-10-00816	- Lower punches diameter 12.0 mm shallow concave plain	52	
02-10-00817	-Dies 12.0 mm bore diameter	52	
02-10-00818	Y-Upper punches diameter 12.7 mm flat beveled edge brake line.	78	
02-10-00819	-Lower punches diameter 12.7 mm flat beveled edge plain	78	
02-10-00820	-Dies 12.7 mm bore diameter	78	
02-10-00821	Z-Upper punches diameter 11.0 mm shallow concave plain .	26	
02-10-00822	-Lower punches diameter 11.0 mm shallow concave plain	26	
02-10-00823	-Dies 11.0 mm bore diameter	26	
	TOOLES FOR MANESTY MACHINE TYPE 900 D.C NO. 135 3869 :		
02-10-00824	A-Upper punches diameter 7.0 mm flat beveled edge Plain	46	
02-10-00825	-Lower punches diameter 7.0 mm flat beveled edge	46	
02-10-00826	- Dies 7.0 mm bore diameter	46	
02-10-00827	B-Upper punches diameter 7.0 mm shallow concave plain.	46	

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
02-10-00828	-Lower punches diameter 7.0 mm shallow concave plain	46	
02-10-00829	-Dies 7.0 mm bore diameter .	46	
02-10-00830	C--Upper punches diameter 7.1 mm flat beveled edge plain	46	
02-10-00831	-Lower punches diameter 7.1 mm flat beveled edge plain	46	
02-10-00832	-Dies 7.1 mm bore diameter	46	
02-10-00833	D-Upper punches diameter 7.1 mm shallow concave plain	46	
02-10-00834	- Lower punches diameter 7.1 mm shallow concave plain	46	
02-10-00835	-Dies 7.1 mm bore diameter	46	
02-10-00836	E- Upper punches diameter 7.9 mm flat beveled edge Brake line.	46	
02-10-00837	- Lower punches diameter 7.9 mm flat beveled edge plain	46	
02-10-00838	-Dies 7.9 mm bore diameter	46	
02-10-00839	F-Upper punches diameter 9.0 mm shallow concave plain	46	
02-10-00840	- Lower punches diameter 9.0 mm shallow concave plain	46	
02-10-00841	-Dies 9.0 mm bore diameter	46	
02-10-00842	G Upper punches diameter 10.3 mm shallow concave plain	46	
02-10-00843	-Lower punches diameter 10.3 mm shallow concave plain	46	
02-10-00844	-Dies 10.3 mm bore diameter	46	
02-10-00845	H-Upper punches diameter 10.3 mm deep concave plain .	46	
02-10-00846	-Lower punches diameter 10.3 mm deep concave plain	46	
02-10-00847	-Dies 10.3 mm bore diameter	46	
02-10-00848	J-Upper punches diameter 11.0 mm shallow concave plain .	23	
02-10-00849	-Lower punches diameter 11.0 mm shallow concave plain	23	
02-10-00850	-Dies 11.0 mm bore diameter	23	
02-10-00851	K-Upper punches diameter 12.0 mm flat beveled edge plain .	46	
02-10-00852	-Lower punches diameter 12.0 mm flat beveled edge plain.	46	
02-10-00853	- Dies 12.0 mm bore diameter	46	
02-10-00854	I-Upper punches diameter 12.7 mm flat beveled edge brake line.	46	
02-10-00855	-Lower punches diameter 12.7 mm flat beveled edge plain	46	
02-10-00856	-Dies 12.7 mm bore diameter .	46	

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
02-10-00857	L--Upper punches diameter 12.0 mm shallow concave plain	46	
02-10-00858	-Lower punches diameter 12.0 mm shallow concave plain	46	
02-10-00859	-Dies 12.0 mm bore diameter	23	
02-10-00860	M-Upper punches diameter 5.0 mm flat beveled edge plain	23	
02-10-00861	- Lower punches diameter 5.0 mm flat beveled edge plain	23	
02-10-00862	-Dies 5.0 mm bore diameter	23	
02-10-00863	N-Upper punches diameter 6.0 mm flat beveled edge plain	23	
02-10-00864	- Lower punches diameter 6.0 mm flat beveled edge plain	23	
02-10-00865	-Dies 6.0 mm bore diameter	23	
	Punch for KORSCH PRESSEN 6 PUNCHES TYPE : PH 108 No.1.0054.89		
	(N.B One set = 7 upper punches + lower punches + 7 dais)	1	set
02-10-00866	A* punch diameter 5.0 mm flat , beveled edge + dais	1	set
02-10-00867	B* punch diameter 7.0 mm flat , beveled edge + dais	1	set
02-10-00868	C* punch diameter 7.1 mm flat , beveled edge + dais	1	set
02-10-00869	D* punch diameter 9.0 mm flat , beveled edge + dais	1	set
02-10-00870	E* punch diameter 12.0 mm flat , beveled edge + dais	1	set
02-10-00871	F* punch diameter 7.1 mm flat , beveled edge ,break line + dais	1	set
02-10-00872	G* punch diameter 7.9 mm flat , beveled edge ,break line + dais	1	set
02-10-00873	H* punch diameter 10.3 mm flat , beveled edge ,break line + dais	1	set
02-10-00874	I* punch diameter 12.7 mm flat , beveled edge ,break line + dais	1	set
02-10-00875	J* punch diameter 7.1 mm flat , beveled edge ,break line + dais	1	set
02-10-00876	K* punch diameter 7.0 mm shallow concave	1	set
02-10-00877	L* punch diameter 7.0 mm deep concave	1	set
02-10-00878	M* punch diameter 9.0 mm shallow concave	1	set
02-10-00879	N* punch diameter 10.3 mm deep concave	1	set

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
02-10-00880	O* punch diameter 12.0 mm shallow concave	1	set
02-10-00881	P* punch diameter 15.8mm deep concave	1	set
02-10-00882	Q* punch diameter 12.7 mm shallow concave	1	set
02-10-00883	R* punch diameter 10.0 mm length , 19.3 mm oblong + dais	1	set
02-10-00884	S* Ellipsoidal shape + dais	1	set
02-10-00885	SPARE PARTS FOR Chillers . Carrier	3	
	Made Specially for Rosloamk LTD Carrier		
	Distribution centrifugal water chiller .		
	Model 19 DK 71314 CN		
	Refrigerant R11 . Field charged .		
	Serial NO . 40897		
	Note The size of the compressor that written on the compressor is 19 DH 31 - 0027.		
	Over all Repair lict for compressor Model 19 DK 71314 CN		
	1- Motor housing 0 - Ring		
	2-V Band Coupling		
	3-0- Ring		
	4- Demistry assy		
	5- Demistry gasket		
	6-Coupling		
	Vol . TO trans 0-Ring		
	Main Bearing		
	Nut		
	Gas, Labyrinth 0- Ring		
	Coupling		
	GV to Volute 0- Ring		
	Labyrinth		
	Impeller Shim		
	Screw		
	Nosecone		
	Washer		
	Pin		
	Impeller lcey		
	Hi- Speed stutic seal		
	Hi- speed Laby 0 - Ring		
	Switch		
	0- Ring		
	Gear Package		
	Laby		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	Bell End bearing		
	Rear motor Brg 0- Ring		
	Bearing		
	Thrust Brg . and Shaft complete		
	Compressor transmission Complete		
	Guide Vane and blad ring complete		
	Bushing		
	Cable		
	Bushing		
	Shaft seal 0 -Ring		
	Shaft seal 0- Ring		
	Shaft seal 0- Ring		
	Oil filter 0- Ring		
	Oil filter 0- Ring		
	Oil filter		
	Oil pump Gasket		
	Oil cooler Gasket		
	43- Oil reg Valve 0 - Ring		
	SPARE PARTS FOR CHILLERY ,, Trane ,,		
	88190 GOLBEY FRANCE ECVGB 080		
	KALTENALGE		
	BAUJAHR 1986		
	TYPE ECVGB 080		
	FABRIK NUMBER E 83689		
	KALTEISTUNY 2785 KW		
	KALTE MITTERE R12		
	FULLGE WICHT 750 KG		
	ZUL ASSIYER BETVIEB SUBER DRUCK ND/HD 10.5 BAR		
	ORDER NO 17F 719		
	Model No ECVGB M1MBGTH2S AEH2SAD 1336E 31000000 A1D		
	Serial No E 83689 Comp Eccgb 080 E1AGTTB		
02-10-00886	Over all Kit REPEAR	3	
02-10-00887	Actuator PST - 0072	3	
02-10-00888	Oil Pressure control CNT 033 E	3	
02-10-00889	Capacity Control module PNL 341E replaced by MOD - 0012	6	

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
02-10-00890	Heating Element HTR 439	6	
02-10-00891	Printed circnit board BAS 046 E	6	
02-10-00892	Motor Oil Pump Mot 1313	4	
02-10-00893	Thermo Vegulator PLN 8860 replaced by Mod -0012	6	
02-10-00894	Oil Pump PMP - 462	4	
02-10-00895	Bracket BRK -046 E	3	
02-10-00896	Lever LEV - 001 E	3	
02-10-00897	Adaptor ADP - 002 E	3	
02-10-00898	Adaptor ADP - 003 E	4	
02-10-00899	Oil Pump timer - 1 min TRM 015 E	50	
02-10-00900	Fuse 125 A For chilled water Pump	3	
02-10-00901	Chilled water Pump K SB Etanorm	3	
	G 100 - 250 GI -2900 R . P.M		
02-10-00902	- Motor for chilled water Pump ,,Schorch,, Type KA 3250 M-	1	
	DESCRIPTION		
	AIR COMPRESSOR :-		
	IHI- WN RECIPROCATING AIR COMPRESSOR		
	Reciprocating Air Compressors		
	Model : WN112F(13 ½ / - 8)- 120kw		
	8.8 kgf/ cm2?G? - 800Nm3/hr, Water - Cooled,		
	Non- Lubricated , V- formed, Two Stages, Double-Acting		
	Including 120 kw -ODP (4p) Motor- AC380V-3Ph-50Hz		
	Star-delta starter , After cooler ,Rust-proof and		
	Seaworthy-packing		
	Spare part For Welding Machine		
	Type Z 3 BS 40		
	Supplier : Thimonnier S.A.		
	Tel (7) 883.55.55		
02-10-00903	Oscillator tube BR 1196	4	
02-10-00904	Piston type CPUD - N 32- 10- X, SER NO .87 - 8256	4	
02-10-00905	Piston type CPUD-T-50-165,PF-PM	2	
02-10-00906	Piston type CPUD-T-50-130	2	
02-10-00907	DPA -12 Ser. NO . 88/8687	2	
02-10-00908	Piston Type CPUD -T-50 - 325	2	
	Base plat L = 80.7 CM , WIDTH = 60.7 cm,		
02-10-00909	Thickness = 2mm	2	sets
02-10-00910	Welding Electrodes size 500 ml	2	
02-10-00911	Scraper holder	2	

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
02-10-00912	Double- balancing holder for scrapper Complete with shaft .	4	
02-10-00913	Brake for serigraphy machine	2	
02-10-00914	Rubber roller for pulling P.V.C	2	
	SPEAR PARTS FOR CHILLERS " Trane " 88190 Golbey FRANCE ECVGB 080		
	Kalteanalge		
	Baujahr 1986		
	Type ECVGB 080		
	Fabrik number E83689		
	Kalteistung 2785 KW		
	Kalte mittel R12		
	Fullge wicht 750 KG		
	ZULASSIYER BETRIEB SUBER DRUCK ND/HD / 10.5 bar ORDER No. 17F 719		
	MODEL No. ECVGB 080 M1 MBGTH2SAEH2SAD1336E 31000000 A1D		
	Serial No. E83689 COMP ECCGB080 E1AGTTB		
	DESCRIPTION		
02-10-00915	Over all kit repear	3	
02-10-00916	Actuator PST-007E	3	
02-10-00917	Oil pressure control CNT 033E	3	
02-10-00918	Capacity control module PNL 341E replaced by MOD - 0012	6	
02-10-00919	Heating element HTR 439	6	
02-10-00920	Printed circuit board BAS 046E	6	
02-10-00921	Motor oil pump Mot 1313	4	
02-10-00922	Thermo regulator PLN 8860 replaced by MOD - 0012	6	
02-10-00923	Oil pump PMP-462	4	
02-10-00924	Bracket BRK-046E	3	
02-10-00925	Lever LEV-001e	3	
02-10-00926	Adapter ADP-002E	3	
02-10-00927	Adapter ADP-003E	3	
02-10-00928	Oil pump timer-1min TRM 015E	4	
02-10-00929	Fuse 125A for chilled water pump	50	
02-10-00930	Chilled water pump KSB Etanorm G100- 250GI-2900 r.p.m	3	
02-10-00931	Motor for chilled water pump schorch	3	
	Type KA3250M-AB011053		
	S1 55KW 380 V 100 A		
	50 Hz 2965 rpm		
02-10-00932	Complete starter siemens for chilled water motor 3NP 5060-0E-66-110bis 3	6	
02-10-00933	Thermostat type (A19 ABC-9104)250V	6	
02-10-00934	Solid state motor protection CH- C835AG4 SER.B1	6	

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
02-10-00935	Stator stat RLY 128E	3	
02-10-00936	Timer 30min TMR 014E	6	
02-10-00937	Relay 110 V RLY 129E	36	
02-10-00938	High pressure control CNT 063E	4	
02-10-00939	Low pressure control CNT 015E	4	
02-10-00940	Circuit breaker RLY 130E	15	
02-10-00941	Indicating light LIT 015E	21	
02-10-00942	Oil pressure gouge GAG 024E	3	
02-10-00943	High pressure gauge GAG 023E	3	
02-10-00944	Low pressure gauge GAG 017E	3	
02-10-00945	"O" Ring GKT 120E	6	
02-10-00946	"O" Ring GKT 119E	6	
02-10-00947	Complete high tension circuit breaker(starter) 6.6 KVA		
	SPARE PARTS FOR CARMICHAEL LINE(SYRUP)/FILLING AND CAPPING MACHINE		
	CORBY , NORTHAM PTONSHIRE NN172 DT		
	MACHINE TYPE :L112		
	SERIAL NO. :L112-129		
	M.D: 1989		
02-10-00948	Spherical joint PHS16	60	
02-10-00949	Belt Lo75-420	3	
02-10-00950	Roller bearing NA172916	6	
02-10-00951	Roller bearing AB 9-1310 P	25	
02-10-00952	U218150 gaskets	50	
02-10-00953	Thread roller set complete with bush, spring and roller housing for BECA head	10	
02-10-00954	Thrust bearing India 9mm,outdia 17mm,thickness 4.3 mm	40	
02-10-00955	Thrust bearing India 7mm,outdia 15mm,thickness 6mm	40	
02-10-00956	Star wheel Infeed (plastic disk for bottle 125ml)	1	
02-10-00957	Star wheel outlet (plastic disk for bottle)	2	
02-10-00958	Complete capping head	10	
02-10-00959	Curved entry & excited guide	1	
02-10-00960	Infeed conveyer screw	1	
02-10-00961	Complete cap vibrator with cap track	1	
02-10-00962	Sliding piston	16	
	DISCRIPTION		
02-10-00963	Punch for KORSCH PRESSEN 6 PUNCHES TYPE : PH 108 No.1.0054.89		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	N.B One set = 7 upper punches + lower punches + 7 dais)		
	A* punch diameter 5.0 mm flat , beveled edge + dais		
	B* punch diameter 7.0 mm flat , beveled edge + dais	1	set
	C* punch diameter 7.1 mm flat , beveled edge + dais	1	set
	D* punch diameter 9.0 mm flat , beveled edge + dais	1	set
	E* punch diameter 12.0 mm flat , beveled edge + dais	1	set
	F* punch diameter 7.1 mm flat , beveled edge ,break line + dais	1	set
	G* punch diameter 7.9 mm flat , beveled edge ,break line + dais	1	set
	H* punch diameter 10.3 mm flat , beveled edge ,break line + dais	1	set
	I* punch diameter 12.7 mm flat , beveled edge ,break line + dais	1	set
	J* punch diameter 7.1 mm flat , beveled edge ,break line + dais	1	set
	K* punch diameter 7.0 mm shallow concave	1	set
	L* punch diameter 7.0 mm deep concave	1	set
	M* punch diameter 9.0 mm shallow concave	1	set
	N* punch diameter 10.3 mm deep concave	1	set
	O* punch diameter 12.0 mm shallow concave	1	set
	P* punch diameter 15.8mm deep concave	1	set
	Q* punch diameter 12.7 mm shallow concave	1	set
	R* punch diameter 10.0 mm length , 19.3 mm oblong + dais	1	set
	S* Ellipsoidal shape + dais	1	set
02-10-00964	Double door steam sterilizer (Autoclave) size 900 x 1310 x 1550 or	4	
	equivalent with all necessary accessories to put the unite		
	ple included		
	st st trays and drolly		
	spear parts for 2 years		
	any recorderd optional		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
02-10-00965	EYE DROP LINE :	1	line
	Compleet line for production eye drop sterile plastic bottle capcity 5000 bott/hour consist:		
	- filling and closing machine capcity of filling 3 ml-20 ml		
	-self adhesive labelling machine capacity 6000 bottle/ hour		
	- cartoning machine		
	// case pack machine		
	- the machine to be offerd with all necessary accessories to put the live on		
	operation - Any recomerded optional		
	// spaer parts for two years		
	the voltage for the machine must be 3ph-330V -50HZ +N+E		
02-10-00966	ST.steel fitz mill or similar variable speed 1000,2250,4600 RPM	6	Equipme nt
	With :		
	All necessary accessories to put the machine line operation		
	Any optional recommended & solty device		
	10 st.st screem of each		
	1/8" Round perforation		
	1/16" Round perforation		
	1/25" Round perforation		
	Spare part for 2 years including blades V-belts, Bearing		
	The voltage for the machine must be 3PH-380V-50HZ+N+E		
02-10-00967	Complete st steel preparation unit for syrup capacity 10 000 L	2	
	The preparation vessels double jacket with mixer & with all necessary accessories		
	Two storage vessel 10 000 L		
	Spare part for 2 years		
	Any recommended optional		
02-10-00968	Flull automatic Rotary press tabletting machine capcity 710-3550 tablet / min with :	10	machine

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	All necessary accessories to put the machine in operation		
	Any optional recommended		
	With complete sets of punches Two sets for each size ,5 mm,7 mm,7.1 mm ,		
	8 mm,9 mm,10.3 mm,11 mm,12 mm,12.7 mm,oblong, ellipsoidal		
	, flat beveled edge ,brake line and concave .		
	Table detuster		
	Dust aspirator		
	Spare parts for 2 years		
	The voltage for the machine must be 3PH- 380V-50HZ+N+E		
02-10-00969	Variable speed st.st oscillating granulter for Dry granulation	6	
	with all necessary accessories to put the machine in operation		
	12 st.st screen each mesh 10,12,14,16		
	spear parts for 2 years		
	The voltage for the machine must be 3PH-380V-50HZ+N+E		
02-10-00970	Variable speed Rotary wet granulter(heavy duty) for granulation of wet kneaded mass. With:	4	machine
	All necessary accessories to put the machine in operation		
	Spare part for 2 years		
	6 st.st screen deflerat pore size		
	The voltage for the machine must be 3PH-380V-50HZ+N+E		
	The motor's and all etechiol part to be explosion proof for aqueous and organic		
02-10-00971	Traditional Tray drier	12	
	Electrical st.steel cabinet trays drier capacity 150 KG for drying wet granules		
	All electrical part's ,motors ,fam,to be water and alganic solvent proof .		
	Temprature set up ,time set up with controlled board to be included		
	Drying temp up to 150 c		
	St. steel tray's depth not more the 40 mm with trolley		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
02-10-00972	St. Steel electrical sivere unite for phamacential powder complete (similar to rusel sivere unit)	10	machine
	5X each size mesh screen to be offered size		
	100 micron		
	150 micron		
	500 micron		
	600 micron		
	900 micron		
	1250 micron		
	2000 micron		
	With all necessary accessories		
	Spare parts for 2 years		
	The voltage for the machine must be 3PH-380V-50HZ+N+E		
02-10-00973	Powder Mixer Granulator	2	
	St. Steel mixer -granulator capcity 600 L with all necessary accessories		
	Recommended optional		
	Spare parts for 5 years		
	The voltage for the machine must be 3PH-380V-50HZ+N+E		
02-10-00974	Vials line capacity 200 vial / min :	1	line
	Complete antibiotic powder filling line consist of		
	- washing machine 250-300 vials / min		
	Laminar flow sterilizing tumel		
	Filling sealing machine 200 vials / min		
	Capping machine , clinching machine with variable speed 250 vials / min		
	Sel of adhesive labeling machine 250 vials / min		
	With all needed accessories to complete the line		
	Any recommended optional		
	Spear parts for 2 years		
	Set of additional change part		
	Dose weight of powder from 120 mg -10 g		
	All the machine to be automatically synchronized		
	Safty devices and safty qauros to be included		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
02-10-00975	Stainless steel with anodized aluminum leggs an hand whel	15	
	(pressure filter holders -disc for ultra cleaning and sterilizing for liquids)		
	// Filter size 293 mm diameter		
	// Filter area apporx 468 cm2		
	//Depth perfecter 257mm diameter		
	//Pressure 8.8 kg / cm2 (125 psig) mlet 7 kg/ cm2		
	//Sterilization autoclaving up to 134oc		
02-10-00976	Pallet manual hydrolyic operation lifting trucks :	40	vehicle
	- Capacity 2000 kg		
	- lift hight 120 mm		
	- Fork length 120 mm		
	- Width across fork 5 years		
02-10-00977	Fully automatic line ointment and cream capacity 100 tube / min	10	
	Consist of :		
	Filling machine to fill tube size 5g,15g,25g		
	Case packer machine		
	With all necessary accessories to complete the line and any recommended optional .		
	Balances		
02-10-00978	Dial head automatic plat form balances	25	
	Scale range 240 kg		
	Scale division 200g		
02-10-00979	Dial head automatic balances	25	
	Scale range 10 kg		
	Scale division 5 g		
	Quick taring device 2 kg		
	Maximum load 12kg		
02-10-00980	Dial head automatic balances	25	
	Scale range 20 kg		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	Scale division 10 g		
	Quick taring device 2 kg		
	Maximum load 24kg		
02-10-00981	Head automatic plat form balances	20	
	Scale range 100-120 kg		
	Scale division 100g		
02-10-00982	Liquid suspension line :	2	line
	Complete line for preparation and filling , packing of liquid suspension consist of :		
	Complete preparation unit capacity 2000 L double jacket mixing vessels included mixer		
	heamoginizer and all accessories for preparation of suspension		
	Two storage resell - with mixer		
	Washing machine capacity 120 bottle / min		
	Filling capacity machine 100 bottle /min		
	Self adhesive labeling machine 150 bottle/ min		
	Cartooning machine 150 box /min		
	Case packer machine 24-30 box/ min		
	With all accessories to complete the line recommended optional		
	Spear part for 2 years		
	The voltage for the machine must be 3PH-380V-50HZ+N+E		
02-10-00983	Automatic over printing machine for over print	6	
	Collapsible cartons		
	price for 1 set of digital (0-9)		
	- Spear part for 2 years		
02-10-00984	Compressed liquid filter unit 12-14 plat for filtration of liquid (syrups)	6	
	Depth filter diameter 40 x 40 cm		
	Electrical motor pumps to be included similar to karlson compressed filter unit		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
02-10-00985	Variable speed high -flow pump liquid (peristaltic pump)	6	
	- Nominal maximum rotor speed 100 rpm		
	// speed carton ratio 1:10		
	- Maximum power consumption 200 ra		
	The voltage for machine must be 3PH-380V-50HZ+N+E		
02-10-00986	Forklift lifting trucks :	20	
	Electric counter balance fork lift truck for pallet stacker capacity		
	- Approx. 1250 kg		
	- lifting height 2560 mm		
	- Free lift 230 mm		
	- Mast collapsed 1700 mm high		
	- Mast extended 3185 mm approx.		
	- Width across fork 500 mm		
	- Fork length 1120 mm		
	Each unit the following accessories		
	Batteries 24V 210 AH (Extra)		
	Batteries charger unit E24/30		
	Spear part for 5 years		
	The voltage for machine must be 3PH-380V-50HZ+N+E		
02-10-00987	Diffusion and bubble point integrity testing of membrane Filter systems	10	
02-10-00988	Air scan air sampler unit Together with gelatin membrane filter	10	
	disposable constitute ,for quantitative detection of air micro gamisms in clean rooms and isolators		
02-10-00989	Deblistering machine suitable for tablet and capsule with all accessories for diffren size	20	
	of tablet and capsule		
02-10-00990	Laboratory automatic capsules filling machine capacity	4	
	2000 -3000 Caps/ hour		
	To fill pellets , pellets + powder , powder only in capsule		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	00, 0 , 0EL, 1, 2, 3		
02-10-00991	SPARE PARTS	50	
	FOR Chillers .		
	Carrier		
	Made Specially for Rosloamk LTD		
	Carrier		
	Distribution centrifugal water chiller .		
	Model 19 DK 71314 CN		
	Refrigerant R11 . Field charged .		
	Serial NO . 40897		
	Note The size of the compressor that written on the compressor is 19 DH 31 - 0027.		
02-10-00992	SPARE PARTS FOR CHILLERY ,, Trane ,,		
	88190 GOLBEY FRANCE ECVGB		
	080		
	KALTENALGE		
	BAUJAHR		
	1986		
	TYPE		
	ECVGB 080		
	FABRIK NUMBER		
	E 83689		
	KALTEISTUNY		
	2785 KW		
	KALTE MITTERE		
	R12		
	FULLGE WICHT		
	750 KG		
	ZUL ASSIYER BETVIEB SUBER DRUCK		
	ND/HD 10.5 BAR		
	ORDER NO 17F 719		
	Model No ECVGB M1MBGTH2S AEH2SAD		
	1336E 31000000 A1D		
	Serial No E 83689 Comp Eccgb		
	080 E1AGTTB		
	Over all Kit REPEAR	3	
	Actuator PST - 0072	3	
	Oil Pressure control CNT 033 E	3	
	Capacity Control module PNL 341E replaced by MOD - 0012	6	
	Heating Element HTR 439	6	
	Printed circuit board BAS 046 E	6	
	Motor Oil Pump Mot 1313	6	

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	Thermo Vegulator PLN 8860 replaced by Mod -0012	6	
	Oil Pump PMP - 462	4	
	Bracket BRK -046 E	3	
	Lever LEV - 001 E	3	
	Adaptor ADP - 002 E	3	
	Adaptor ADP - 003 E	3	
	Oil Pump timer - 1 min TRM 015 E	4	
	Fuse 125 A For chilled water Pump	50	
	Chilled water Pump K SB Etanorm G 100 - 250 GI -2900 R . P.M	3	
	// Motor for chilled water Pump "Schorch" Type KA 3250 M- AB	3	
02-10-00993	SPEAR PARTS FOR CHILLERS " Trane " 88190 Golbey FRANCE ECVGB 080		
	Kalteanalge		
	Baujahr 1986		
	Type ECVGB 080		
	Fabrik number E83689		
	Kalteistung 2785 KW		
	Kalte mittel R12		
	Fullge wicht 750 KG		
	ZULASSIYER BETRIEB SUBER DRUCK ND/HD / 10.5 bar ORDER No. 17F 719		
	MODEL No. ECVGB 080 M1 MBGTH2SAEH2SAD1336E 31000000 A1D		
	Serial No. E83689 COMP ECCGB080 E1AGTTB		
	Over all kit repear	3	
	Actuator PST-007E	3	
	Oil pressure control CNT 033E	3	
	Capacity control module PNL 341E replaced by MOD - 0012	6	
	Heating element HTR 439	6	
	Printed circuit board BAS 046E	6	
	Motor oil pump Mot 1313	4	
	Thermo regulator PLN 8860 replaced by MOD - 0012	6	
	Oil pump PMP-462	4	
	Bracket BRK-046E	3	
	Lever LEV-001e	3	
	Adapter ADP-002E	3	
	Adapter ADP-003E	3	
	Oil pump timer-1min TRM 015E	4	
	Fuse 125A for chilled water pump	50	

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	Chilled water pump KSB Etanorm G100-250GI-2900 r.p.m	3	
	Motor for chilled water pump schorch Type KA3250M-AB011053 S1 55KW 380 V 100 A 50 Hz 2965 rpm	3	
	Complete starter siemens for chilled water motor 3NP 5060-0E-66-110bis 380v 24bis 48v-(0.16bis 0.25A)	6	
	Thermostat type (A19 ABC-9104)250V	6	
	Solid state motor protection CH- C835AG4 SER.B1	6	
	Stator stat RLY 128E	3	
	Timer 30min TMR 014E	6	
	Relay 110 V RLY 129E	36	
	High pressure control CNT 063E	4	
	Low pressure control CNT 015E	4	
	Circuit breaker RLY 130E	15	
	Indicating light LIT 015E	21	
	Oil pressure gouge GAG 024E	3	
	High pressure gauge GAG 023E	3	
	Low pressure gauge GAG 017E	3	
	"O" Ring GKT 120E	6	
	"O" Ring GKT 119E	6	
	Complete high tension circuit breaker(starter) 6.6 KVA	6	
02-10-00994	SPEAR PARTS FOR Steam boilers TYPE:L00S		
	Serro drive type SQM10	8	
	Oil regulator	2	
	Control segment	2	
	Burner motor	4	
	Mano meter	4	
	Value meter	2	
	Rectifier aggregate	2	
	Solenoid valve carr. Ent-less open	4	
	Solenoid valve curre. Ent -less closed	4	
	Solenoid valve curre. Ent-less closed	4	
	Pressure monitor for full oil	2	
	Sensor PT/100	3	
	Solenoid nozzle head	4	
	Solenoid coil	4	
	Nozzle plate	4	
	Swirl plate	4	
	Nozzle support	4	
	Ignition decode	4	
	Burner control	8	
	Flame feder	4	

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	Ignition transformer	4	
	Temperature regulator	2	
	Level switch NRS-1-4b		
	Heating body RMS 70	4	
	Temperature regulator	4	
	Sensor PT 100	4	
	Thermometer	3	
	Pressure gauge	4	
	Water level controller	4	
02-10-00995	SPEAR PARTS FOR CARMICHAEL LINE(SYRUP)/FILLING AND CAPPING MACHINE		
	CORBY , NORTHAM PTONSHIRE NN172 DT		
	MACHINE TYPE :L112		
	SERIAL NO. :L112-129		
	M.D: 1989		
	Spherical joint PHS16	60	
	Belt Lo75-420	3	
	Roller bearing NA172916	6	
	Roller bearing AB 9-1310 P	25	
	U218150 gaskets	50	
	Thread roller set complete with bush, spring and roller housing for BECA head	10	
	Thrust bearing India 9mm,outdia 17mm,thickness 4.3 mm	40	
	Thrust bearing India 7mm,outdia 15mm,thickness 6mm	40	
	Star wheel Infeed (plastic disk for bottle 125ml)	1	
	Star wheel outlet (plastic disk for bottle)	2	
	Complete capping head	10	
	Curved entry & excited guide	1	
	Infeed conveyer screw	1	
	Complete cap vibrator with cap track	1	
	Sliding piston	16	
02-10-00996	SPARE PARTS FOR CARMICHAEL LINE(SYRUP)/ACEA LABLLING MACHINE		
	CORBY,NORTHAM PTONSHIRE NN172 DT		
	SERIAL NO. : 727		
	MODEL :12T/S1/E1		
	M . D: 1989		
	Roll bearing NK4030A	6	
	Infeed scroll	1	
	Body pallet for bottle 125ml	8	

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	Set sponges (roller of etangalar)	5	set
	Ink roller	10	
	Air reduction filler/lubricator unit	1	
	Upper disk	1	
	Lower disk	1	
	Rubber glue roller	4	
	Brush	12	
02-10-00997	SPEAR PARTS FOR CAM-PACKAGING MACHINE		
	SMASH COMPACT/S		
	BOLOGNA- ITALY NR-MATRICOLA 1CX21409		
	MACHINE SERIAL : C640 SHF 77.9		
	Rectangular suckers	60	
	Carton magazine suckers	30	
	Carton magazine suckers	30	
02-10-00998	Spare PARTS FOR CAM PACKAGING SYSTEM (ORAL DROPS)		
	COMPANY NAME :CAM (BLOGNA-ITALY)		
	SERIAL NO. : C.640 SHF 77.6		
	Rectangular suckers	50	
	Carton magazine suckers	30	
	Carton magazine suckers	20	
02-10-00999	SPEAR PARTS FOR PERMUTIT WATER TREATMENT PLANT		
	PNEUMATIC VALUE SED DN2 PS1 150 TYPE 285		
	(The values from plastic vesistant against acidic & alkaalin solutions)	6	
	PNEUMATIC VALUE SED DN1 PS1 150 TYPE 285		
	(the values from palstic resistant against acidic & alkaalin solutions)	12	
	STRAINERS FROM WATER DEIONIZATION		
	Size of slots N.M.T 0.1 mm (from plastic resistant against acidic & alkaalin solutions)		
02-10-01000	CAM PACKAGEING SYSTEM (FOR ORAL DROPS)		
	COMPANY NAME :CAM (BLOGNA-ITALY)		
	SERIAL NO. : C.640 SHF 77.6		
	1)Rectangular suckers	60	
	2)Carton magazine suckers	30	
	3)Carton magazine suckers	30	
	4)Carton magazine suckers	30	
	5) Carton magazine suckers	30	
02-10-01001	SPEAR PARTS FOR DIOSNA-MIXER P600 238- 058		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	Description		
	Type 225 blades	200	
	Blade pins for 240 45	25	
	Complete set of tools	10	
	N.M.D.J 30 bearings	10	
	1.3/16 diameter lock washers	10	
	13/16 diameter lock washer	10	
	oil seals 1.7/16 diameter	10	
	oil seals 1.1/16 diameter	10	
	Dust retainer 37x65x20 long	8	
	½ Vee belts 53 inside length	25	
	½ Vee belts 49 inside length	25	
	½ Vee belts 44 inside length	25	
	3/32 screen type (A)	10	
	1/8 screen type(A)	10	
	5/32 screen type (A)	5	
	10S mesh screen tpye(C)	5	
	12S mesh screen type (C)	5	
	14S mesh screen type (C)	5	
	16S mesh screen type (C)	5	
	motor slide rod bracket	8	
	motor screw bracket	8	
	motor bracket	8	
	Adjusting washer fixed end cap	10	
	Adjusting washer floating end cap	10	
	1.3/16 Diameter lock washer	10	
	13/16 diameter lock washer	10	
02-10-01002	SPEAR PARTS FOR ROTORGRAN MACHINE		
	SERIAL NO. : 8Y 187, 33Y 179		
	16516	4	
	16515	4	
	16514	4	
	16513	2	
02-10-01003	SPEAR PARTS FOR CAPSULE FEEDING MACHINE		
	MODEL G37 N SERIAL NO. : 4125		
	Piston for dosator size 1	40	
	Bush	40	
02-10-01004	SPEAR PARTS FOR ROTORY TABLET MACHINE ROTAPRESS MK IIa		
	SERIAL NO. : 15365		
	Vogel oil pump		
02-10-01005	SPEAR PARTS FOR ROTRAY TABLET MACHINE EXCELAPRESS		
	SERIAL NO. : 15795 15796		
	Description		
	Pressure pad	8	

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	Outer sealing ring	25	
	O ring 35mmx3mm	25	
	O ring 60mmx3mm	25	
	Clutch mounting plate	4	
	Inner. Sealing ring	8	
	O ring 45mmx3mm	25	
	Pulley actuator shaft assembly	6	
	Motor	6	
	Airotmatic accumulator	6	
	Fixed center vari speed pulley 60 HZ	10	
	¼ BSP male thread house adapter	8	
	piston rod lock nut.	10	
	Cylinder	8	
	Drive belt size 55	15	
	Lay shaft housing	6	
	Lay shaft	6	
	Pressure pad	6	
	Drive pulley support	8	
	8mm nylon tube (blue)	50	m
	65m ball bearing	10	
	pulley outer spacer	8	
	pulley inter spacer	8	
	pulley end plate	8	
	drive pulley	8	
02-10-01006	SPEAR PARTS FOR M80 BLISTER MACHINE		
	SERIAL NO. S06.037, S06.042, S06.043		
	Description	21	
	Pneumatic cylinder UC2 32 x20 farolfi for first pincer		
	First pincer	7	
	Pneumatic cylinder UC2 40x35 farolfi for	10	
	pre-heating		
	Vacuum pump completed with motor	3	
	Oil seal for above pump	30	
	Vacuum blades for above pump	21	set
	Maine drive v-belt S 301/4 -57	21	
	Filter housing complete for vacuum pump	14	
	Filter cartridges for above	21	
	Small screws, washers, nuts,etc of the whole machine	4	set
	Water cooling unit assembly		
	Water pump completed	5	
	Mechanical seal assembly for above pump	7	

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	Refrigeration compressor for above cooling unit	20	
	Oil seal + "O" ring for hydraulic cylinder (f.n, N.6)	7	
	The pincer (Fig P,N.1)	21	set
	Gear box for main drive machine	7	
	Pulley for above gear box	7	
	Caps springs in forming station ø40-10,2-0,9	7	
	Springs in forming / sealing station	100	
	Springs for aluf oil brake	20	
	Springs for idle pincer	20	
	Compensating roller return springs	20	
	Bearing No. NUTR 4090	20	
	Bearing No. NUTR 2562	25	
	Exit pincer springs(drawing Arial)	40	
	Stabilizer springs	20	
	De-vacuum valve springs	20	
	Kit gaskets for ø22 sealing oil cylinder	20	
	Kit gaskets for ø32 pincers cylinder	10	
	Kit gaskets for ø40 pre-heating cylinder	20	
	Kit gaskets for ø50 compensator cylinder	10	
	Kit gaskets for ø63 pre-punches cylinder	20	
	OR gaskets for matrix	10	
	OR gaskets for matrix	20	
	OR gaskets for matrix	20	
	Long conveyor belt x ASB30 type TIR 27	20	
	Bronze muffler 3/8	7	
	Regulator 1/8 ø 6	15	
	Nyliner bushes 16L 16F	15	
	Solenoid valve for pre-heating G50 V24 A.C	4	
	Different hoses	3	
	Pneumatic selector (Drodoni)	30	mt
	Hose for closure cylinder	4	
	Motor, gear box & chain for cutter blister (Fig. R)	4	
	Gear box, chain & sprocket wheel (Fig.R)	7	
02-10-01007	SPEAR PARTS FOR CARTING HF77	7	
	SERIAL NO. C-640-SHF 77-8		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	Sprocket wheels for carton transport chain	28	
	(HS-7.14 Z=48x ½ inch)		
	Sprocket wheel for carton transport chain (HS-7.6	28	
	Z=48x ½ inch)		
	Carton transport chain complete	24	
	Arrow switch B5272	4	
	Arrow key switch B7716,B5273x3	2	
	Door limit switch B6584 type 2-15GQ 22	10	
	Limit switch type B0726 B2-2RQ77	5	
	Door motor 240v, 50hz. B13574	3	
	Vacuum switch (10-30"HG) B4799	3	
	Vacuum switch (10-15"HG) B4651	3	
	Ledex rotary switch B4296	3	
	Diode b6619	4	
	E-type temp. switch 30-100oc B6646	4	
02-10-01008	Spare parts foor (HASSIA)machine		
	Machine no. :125690482 tyoe :FVP 20/18		
	Cylinder senser PT 100 for horizontal heater (B1)	10	
	Cylinder senser PT 100 for heater (B2)	10	
	Heating cartridge	15	
	Heating cartridge	15	
	Clutch	15	
02-10-01009	Spare parts for powder filling machine 3EMME		
	Type DZ1/2MF Ref 9249		
	Clutches NEB 0603210	5	
	Group NEB 0610607	5	
	Timer PDX 2C35 24v AC	3	
	Senser S1 18C5 NPN VC	3	
	Micro switches Xe NP 102	4	
	Timer CM 50 T/4	3	
02-10-01010	Spare parts for (Hapa) labeling machine (411-99)		
	Stepping motor	2	
	Heating cartidge (85mm)	4	
	Printed labeling controller	2	
	Printed labeling heat controller	2	
	Senser PT 100	5	
	Complete heated labeling drum	2	
02-10-01011	Spare parts for mixer (D10ZONA) P 600		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	Complete operation panale for Diozona mixer P 600	1	
	Micro switches S2F,S3F referring to diagram	4	each one
	no: 238-785		
02-10-01012	distilation unit :	1	
	out put (1000 - 1500) L/h		
	steam heating		
	supplies with deionized water		
	distilled water for I.v . Injection		
02-10-01013	steam boiler :	1	
	out put 1500 kg / h		
	max. pressure 10 kg / cm2		
	with feeding pump.		
	light fuel		
02-10-01014	air compressore :	1	
	put put 15-20 m3/min		
	max . Pressure 8 kg /cm2		
	free of oil 100%		
02-10-01015	heating boiler :	1	
	output 260 kw/h		
	DESCRIPTION & PART NO.		
	SPARE PARTS FOR HITZINGER GENERATORS .		
	QUANTITY INSTALLED : 2 NO.		
	HEDEMORA DIESEL ENGINE , TYPE V16A / 15 , SERIAL NO: 602-682		
02-10-01016	ENGING		
	GASKET , PART NO. 6. 128.451	4	
	FUEL FEED PUMP ,	1	
	SEALING WATER PUMP, PART NO. 6.163.517	4	
	SEALING WATER PUMP, PART NO. 6.163.512	4	
	SEALING WATER PUMP , PART NO. 6.163.513	4	
	PLUG , PART NO. 6.163.510	1	
	O- RING 249,1X8,4 , PART NO. 6.501.2493	4	
	O- RING 199,3 X 5,7 , PART NO. 6.501.1995	4	
	PRE HEATER (1433,220V , 50HZ , 2250W) . , PART NO. 6.130.1220	4	
	STARTER MOTOR , PART NO. 6.055.534	1	
	DRIVE GEAR , PART NO. 6.055.520	1	
	O-RING 89,5X3 , PART NO. 6.501.893	2	
	OVAL FLANGE , PART NO. 6.017.146	1	
	EXHAUST PYROMETER ,	32	

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	GAUGE FOR CHARGE AIR	2	
	GAUGE FOR FUEL OIL	2	
	INSTRUMENT FOR EXHAUST TEMP	2	
	DRILLED SCREW , PART NO. 6.017.036	10	
	DRILLED SCREW , PART NO. 6.134.181	10	
	CYLINDER LINER , PART NO. 6.008.081	32	
	BALL ADJUSTING SCREW , PART NO. 6.020.157	4	
	NUT FOR BALL ADJUSTING SCREW , PART NO. 6.020	4	
	ROCKER ARM (EXHAUST) , PART NO. 6.020. 139	1	
	ROCKER ARM BRACKET ASSY , PART NO. 6.020.136	2	
	JOURNAL ROCKER ARM , PART NO. 6.020.129	2	
	BUSH , PART NO. 6.020.128	2	
	SGA25 ,	2	
	PRECHAMBER NOZZEL , PART NO. 6.017.023	32	
	FUEL INJECTOR NOZZEL , PART NO. 6.017.013	20	
	RUBBER HOSE , PART NO. 6.130.1524	32	
	PLUNGER AND BARREL , PART NO. 6.017.027	20	
	PRESSURE VALVE , PART NO. 6.017.041	20	
	GASKET , PART NO. 6.017.152	20	
	YOKE , PART NO. 6.017.147	1	
	MC65X 14 X 90 ,	2	
	CYLINDER HEAD , PART NO. 6.250.002	3	
	SET OF GASKET , PART NO. 6.250.040	18	
	SPRING , PART NO. 6.017.145	20	
	PUSH ROD , PART NO. 6.020.083	4	
	TEMP . 35? / PRESSURE 3.5 BAR SWITCH , PART NO. 6.230.341	2	
	TEMP . 95 ? / PRESSURE 3 BAR SWITCH , PART NO. 6.230.343	2	
	TEMP . 85? / PRESSURE 1.5 BAR SWITCH , PART NO. 6.230.480	2	
	GAUGE LINE (MONOMETER SLANG) ,	20	m
	CONNECTIONS FOR GAUGE LINE	20	
	TOOL FOR ABOVE	1	
	PRESSURE GAUGE F.W.	2	
	FORTAFIX CEMENT	1	
	TOOL FOR PRECHAMBER NOZZEL	1	
	WRENCH FOR CONNECTING ROD NUT	1	
	HIGH PRESSURE PIPE	2	

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	COOLING WATER PIPE, DIAMETER 26MM SILICON	15	m
	COOLING WATER PIPE , DIAMETER 18MM SILION .	2	m
	CLAMP 26-38	90	
	CLAMP 18-26	20	
	COOLING WATER SWITCH SIKA	4	
02-10-01017	GENERATOR		
	OVER VOLTAGE RECTIFIER	2	
	ROTATING DIODES	6	
	FUSE 16A	4	
02-10-01018	SWITCH BOARD		
	CONTACTER RELAYS ASEA EH6 - 22E	34	
	CONTACTER RELAYS ASEA EH32-22	8	
	CONTACTER RELAYS ASEA SK819003 - A	12	
	CONTACTER RELAYS ASEA EH12-10	10	
	TIME CONTACTER ASEA SK819013-A	14	
	THERMO RELAYS ASEA RVH22 1-1, 6 A	1	
	TGERMO RELAYS ASEA RVH22 1,6-2,5 A	2	
	THERMO RELAYS ASEA RVH22 6-9 A	4	
	THERMO RELAYS ASEA SK832113-P 22 - 32 A	8	
	TIME RELAYS TELE E.D.K 0-180 M	8	
	TIME RELAYS E2X20	8	
	CURRENT RELAYS KVVHSE	4	
	SWITCH KROUS & NAIMER A-361	1	
	SWITCH KROUS & NAIMER A- 214	4	
	SWITCH KROUS & NAIMER A-007	2	
	SWITCH KROUS & NAIMER A-3781	2	
	SWITCH KROUS & NAIMER A-200	4	
	SWITCH KROUS & NAIMER A-178	2	
	START SWITCH BOSCH	2	
	EMERGENCY SWITCH	2	
	RELAYS BOSCH 24V	2	
	FUSE AUTOMAT 3 PHASE U 10 A BBC	7	
	FUSE AUTOMAT 3 PHASE K 10 A BBC	3	
	FUSE AUTOMAT 1 PHASE U 10 A BBC	15	
	FUSE AUTOMAT 1 PHASE U 16 A BBC	3	
	FUSE AUTOMAT 1 PHASE K 10 A BBC	2	
	FUSE AUTOMAT 1 PHASE K 16 A BBC	2	
	FUSE AUTOMAT 1 PHASE Z 40 A BBC	3	
	FUSE AUTOMAT 3 PHASE K 16 A BBC	2	
	FREQUENCY METER 96 X 96 MM	2	
	VOLT- METER 0- 500 V 96 X 96 MM	2	
	KW- METER 0- 1500 - 3000 / 5 A 96 X 96 MM	2	

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	A- METER 0-6 KA 3000 / 5 A 96 X 96 MM	6	
	VOLT - METER 0- 40 N 72 X 72 MM	3	
	CHARGING DEVISE GBE 24/18	2	
	SYN DEVISE ASE 30	1	
	VOLTAGE W 120	4	
	SET OF SPECIAL TOOLS	1	
	BEARING COMPLETE CE . PART NO. 32	4	
	BEARING COMPLETE TE . PART NO. 38	4	
	GASKET , PART NO. 58.5	8	
	NOZZEL RING , PART NO. 030	2	
	SHAFT (ROTOR COMPLETE) , PART NO. 20	2	
02-10-01019	SPECTRO PHOTOMETER	1	
	MODERN TYPE WAVE LENGTH RANGE(190- 950NM)		
	ABSORBANCE RANGE - 0.300 TO 3.000 A		
	ABSORBANCE RESOLUTION : 0.001 A		
	WITH UV/VISIBLE CALIBRATION STANDARDS		
02-10-01020	FLAME PHOTOMETER	1	
	MODERN TYPE DESIGNED FOR DETERMINATION OF SODIUM		
	POTASIUM,LITHIUM,BARIUM AND CALCIUM WITH CLEANING		
	SOLUTION WITH ADDITIONAL SET OF FILTERS WITH		
	CLEANING SOLUTION:		
	RANGE SERUM : NA = 50 - 175		
	K = 0 - 10		
	LI = 0 - 5		
	CA = 0 - 10		
02-10-01021	CHLORIDE ANALYSIS	1	
	MODERN TYPE RANGE : 10 - 999 MG/L SAMPLE VOLUME		
	500 ML,WITH CHLORIDE STANDARD FOR CALIBRATION.		
02-10-01022	PORTABLE PH METER	1	
	RANGE: 2 - 16.0 PH		
	RESOLUTION: - 0.01 PH		
	ACCURACY: -+ 0.02 PH		
	TEMP. RANGE : - 10 - + 105 C		
	RESOLUTION : 0.1 C		
	ACCURACY: -+ 0.5		
	WITH AUTOMATIC TEMPERATURE COMPENSATION DIRECT		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	TEMPERATURE MEASUREMENT CLEAR LCD DISPLAY,MICRO		
	PROCESSES,CONTROLLED CALIBRATION.		
02-10-01023	PORTABLE CONDUCTIVITY METER	1	
	RANGE 0 TO 199.9 MS		
	RESOLUTION 0.1 MS		
	ACCURACY : -+ 0.5 %		
	TEMP RANGE : -10 TO + 105 C .		
	RESOLUTION : 0.1 C .		
	ACCURACY : -+ 0.5 C .		
	WITH CALIBRATION STANDARD		
02-10-01024	MELTING POINT APPARATUS	1	
	ELECTRICALLY HEATED		
	TEMPERATURE RANGE UP TO 360 C .		
	AN ANBOTARY SCATE (0 - 10) .		
	THE HEATING BLOCK IS SURROWDED BY INSULATION		
	NATURAL TO MINILORS OF HEAT		
02-10-01025	FURNACES	1	
	MAXIMUM TEMPERATURE 1500 C .		
	TEMP. FLUCTUATION + - 3 C .		
	REFRACTORY MUFFL WITH STEEL OUTER CASE INTEGRAL		
	CHIMNEY WITH ADJUSTABLE VAN FOR DRAUGHT CONTROL.		
02-10-01026	OVENS,HIGH TEMPERATURE	1	
	RANGE 50-500 C, CAPACITY 30L.,FEATURES S.S. INTERIOR		
	AND ELECTRONIC CONTROL.		
	LARGE AREA GRID SHELVER,CONTROL BY DIRECT READING		
	THERMOSTATE THO OUTER SHELLS STEAL AND THE INNER		
	IS ALUMINIUM.		
02-10-01027	PORTABLE DIGITAL THERMOMETER	2	
	RANGE: 50 TO + 150 C.,WATER RESISTANT PROPE,DISPLAY		
	CONTROL WITH BATTERY,WITH COLLOIDAL QUAPHITE PACK		
02-10-01028	THERMOMETER,MERCURY IN GLASS		
	RANGE : 10 - 100	10	
	10 - 200	10	
	10-300	10	
	10- 400	10	
02-10-01029	HAAKE FOUR POSITION MAGNATIC STIRRING PLATFORM	2	
	OPERATING SPEED,RANGE:0-1100 REV./MIN.,S.S. CASING		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	ALLOW STIRRING OF NOT LESS THAN 4 SAMPLES.		
02-10-01030	MAXIMUM THERMOMETER	30	
	IT RESEMBLE THE ORDINARY CLINICAL THERMOMETER BUT		
	IT'S TEMP.IS MORE EXTENDED FITSTARTS FROM(70-150).		
	- IT RESISTS HIGH TEMP AND BREAKING DURING STERI-		
	LIZATION AND SHAKING DURING ENTERING THE AUTOCLAVE.		
	- TEMPERATURE REACH REMAIN STABLE WITHOUT SHAKING		
	- THE LEVEL OF MERCURY MUST BE CONTINUOUS WITHOUT		
	ANY CUTTING.		
02-10-01031	HYDROMETER NAFLAC - PATTERN	1	
	FOR DETERMINATION OF DISSOLVE SOLID IN BOILER AND		
	SIMILAR WATER ACCORDING TO THE NAFLOC METHOD WITH		
	POLISHED METOL BULB AND SCALE CALIBRATION 0.998 TO		
	1.01 IN 0.0002 SUBDIVISION MAXIMUM DIAMETER 41mm LENGTH		
	280 Mm.		
02-10-01032	DIGITAL POLARIMETER	1	
	MODER TYPE FOR TESTING SUGER SOLUTION 360 ANGULAR		
	SCALE SUBDIVIDED INCLUDED SODIUM LAMP 35W .		
	CLEAR FIELDS OF VIEW .		
02-10-01033	COULTER COUNTER (PARTIC. ANALYSIS SYSTEM)	1	
	CONSIST DIRECT READOUT OF PARTICLE SIZE.		
	- TOTAL COUNT OF LARGE PARTICLE SIZE WITH RESPECT		
	OF SIZE GIVEN.		
	PINTER WORKING RANGE WITH RESPECT PARTICLE FOR		
	2-25 MIMIC .		
	THREE SHOLDS 0-99.9 DIVISION TIMER RANGE 10MS-655 SEC.		
02-10-01034	VISCOMETER, INCLUDING STIRRING MOTOR AND PADDLE,		
	TURNTABLE CONTROL AND BOOST HEATERS.		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	VARIABLE AUTOGRAN STORMER, ACCESSORIES.		
	CONTACT THERMOMETER 10- 100 C.		
	COOLING COIL .		
	COVER FOR TURNTABLE .		
	STOP WATCH .		
02-10-01035	DISSOLVED OXYGEN METER	1	
	DO2 RANGE 0 TO 1.99 %		
	RESOLUTION 1 %		
	ACCURACY +- 2 % WITHIN 10C. OF CALIBRATION TEMP.		
	TEMPERATURE : - 10 TO + 60 C .		
	RESOLUTION : 0.1 C .		
	ACCURACY : - + 0.5 C .		
02-10-01036	DIGITAL TEMPERATURE-MONITOR FOR PYROGEN TEST/WITH	1	
	PROBE TYPE A - RK .		
	RECTAL TEMP. OF RABBET OR ANOTHER ANIMALS.		
02-10-01037	STAINLESS STEEL FILTRATION	5	
	WITH LID., FUNNEL CAPACITY 500ML, BASE CLAMP FILTER		
	DIAMETER 50 MM, AND MANIFOLD PTFE GASKET SILICONE		
	SEALING RING INLID.		
02-10-01038	ANALYTICAL BALANCES	1	
	AUTOMATIC CALIBRATION, CAPACITY: 260 G., 0.1MG SENSITIVITY		
	READABILITY: 0.0001 GM.		
02-10-01039	MASSES FOR GENERAL	2	set
	GENERAL PURPOSE WITH ALUMINIUM FRACTION.		
	RANGE OF MASS 0.1MG... 100GM IN WOODEN BOX.		
02-10-01040	WATER BATH.	1	
	SINGLE PLACE CIRCULAR, 220 MM DIAMETER X 115MM DEEP WITH		
	TWO HEAR RESISTING PLASTIC HANDLEN AND SET OF		
	ALUMINIUM RIGS.		
02-10-01041	MAXIMUM AND MINIMUM THERMOMETER	10	
	WALL MOUNTING MERCURY IN-GLASS THERMOMETER WITH TWO		
	MARKERS MOUNTED ON A DUAL SCALE -30 TO 50 X 1 C. AND 20		
	TO 120 X 2 F. DESIGNED FOR HORIZONTAL MOUNTING AND RESET		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	BY SWIVELLING THE FRAME TO THE VERTICAL POSITION. OVER-		
	ALL LENGTH 235MM.		
	IN PLASTIC FRAME WITH INSTRUCTION.		
02-10-01042	SARTORIUS MEMBRANE	2000	filter
	SPECIAL TYPE FOR MICROBIOLOGICAL PORE SIZE 0.45Mm.		paper
	CELLULOSE NITRATE,WITH BLACK.		
02-10-01043	TAPE ADHESIVE INDICATOR 3M .	500	roll
	AUTOClave COLOUR CHANGE STERILIZATION TAPE WITH STEAM		
	SENSITIVE INK IN 55M ROLLS.COLOUR CHANGES FROM WHITE TO		
	DARK BROWN ON 20 MIN. EXPOSURE AT 121 C.		
02-10-01044	ATTEST NO. 1262, 1262P.	2000	pcs
	BIOLOGICAL INDICATOR FOR STEAM STERILIZATION MONITORING		
	FREQUENCY RESISTANCE DATA FOR ATTEST FOR STEAM		
	STERILIZATION.		
	121 C. MORE TIME 15 MIN.		
	132 C. MORE TIME 3 MIN.		
02-10-01045	THERMOLOG S STEAM STERILIZATION INDICATOR.	1000	pcs
02-10-01046	SOUDOGAZ T 206	250	pcs
	BUTANE - 190 G.		
	CHILLERS		
02-10-01047	COMPLETE UNIT RECIPROCATING LIQUID CHILLERS AIR COOLED PACKAGES WITH ALL	4	
	NECESSARY ACCESSORIES TO PUT THE CHILLER IN OPERATION .		
	CAPACITY : - 200 TONS		
	CYCLE : 50		
	VOLTAGE : 380 V		
	AMBIENT TEMPERATURE (40-55) C ? , REFRIGERANT : R 22		
02-10-01048	COMPLETE UNIT SCREW LIQUID CHILLER AIR COOLED PACKAGES WITH ALL NECESSARY	4	
	ACCESSORIES TO PUT THE CHILLER IN OPERATION		
	CAPACITY : - 200 TONS		
	CYCLE : 50		
	VOLTAGE : 380 V		
	AMBIENT TEMPERATURE (40-55) C ? , REFRIGERANT : R 22		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
02-10-00355	Acetyl salicylic acid pregran p.s as per attached list USP23,BP98	40	ton
02-10-00356	Acid ascorbic fine powder USP 23, BP 98	20	ton
02-10-00357	Acid benzoic USP 23,BP 98	2	ton
02-10-00358	Acid Citric monohydrate USP 23, BP 98	15	ton
02-10-00359	Amiloride HCL USP 23 BP98	100	kg
02-10-00360	Acid oleic USP 23,(NF18),BP98	15	ton
02-10-00361	Acid stearic proified 50 PPM butylated Hydroxy luene to be added USP23 (NF18) , BP98	3	ton
02-10-00362	Acid tritaric BP98 ,USP 23 (NF18)	35	ton
02-10-00363	Amitriptyline HCL F.P BP98	300	kg
02-10-00364	Colliodal silicone dioxide 130 v	20	ton
02-10-00365	Alcohol benzyl USP 23(NF18),BP98	150	ton
02-10-00366	Alcohol cetostearyl USP23(NF18), BP98	30	ton
02-10-00367	Atenolol BP98	6	ton
02-10-00368	Alcohol phenyl ethyl USP23	300	kg
02-10-00369	Aspartam USP 23	500	kg
02-10-00370	Allopurinol F.pdr.BP98,USP23	3	ton
02-10-00371	Aneurine HCL (thiamine HCL BP98,USP23)	15	ton
02-10-00372	Acid citric anhydrous USP23,BP98	20	ton
02-10-00373	Ampicillin trihydrate P.S 10% over 900 micron 50% over 400 micron 90% over 100 micron Bulk density 0.68+5% gm/ml USP23,BP98	50	ton
02-10-00374	Acid Isoncotinic hydrazide USP23,BP98	2	ton
02-10-00375	Benzoyl Metronidazol micronized USP 23	4	ton
02-10-00376	Bromohexine HCL BP98	400	kg
02-10-00377	Bismuth carbonate (subcarbonate) BP98	2	ton
02-10-00378	Bismuth subgallate BP98	500	kg
02-10-00379	Betamethason disodium phosphate USP23,BP98	10	kg
02-10-00380	Betamethazeone valerate v.f.p 100% should pass B.S seive NO.125 USP23,BP98	50	kg
02-10-00381	Captopril USP23,BP98 disulphit free	1	ton
02-10-00382	Coffeine anhydrous fine pdr. BP98,USP23	4	ton
02-10-00383	Calamine micronize (medium p.s 27 micro +M.L.T BP98,USP23	2	ton
02-10-00384	Choli calciferol 40 million units/gm (vit .D3) USP23,BP98	1	kg

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
02-10-00385	Cloxacillin sod. Compacted BP98, USP23 P.S 10% over 900 micron 50% over 400 micron 90% over 100 micron Bulk density 0.63 gm/ml	5	ton
02-10-00386	Cephalexine monohydrate (bulk density 0.68 +5% gm/ml) P.S 10% over 900 micron 50% over 400 micron 90% over 100 micron USP23, BP98	60	ton
02-10-00387	Cephalexin monohydrate v.f.p BP98, USP23 100% below 125 micron by microscopical exam.	12	ton
02-10-00388	Calcium glycerophosphate BPC 63	1.5	ton
02-10-00389	Calcium pantothenate USP23, BP98	1	ton
02-10-00390	Calcium phosphate Dibasic USP23	1	ton
02-10-00391	Calcium phosphate tribasic USP23(NF18), BP98	2	ton
02-10-00392	Calcium sulphate dihydrate USP23(NF18)	10	ton
02-10-00393	Comphor USP23, BP98	1	ton
02-10-00394	Carneuba wax BP98 , USP23(NF18)	200	kg
02-10-00395	Cemitidine F.P BP98, USP23	2	ton
02-10-00396	Chloramphenicol micronized 85% less than 10 micron USP23, BP98	250	kg
02-10-00397	Chlordiazepoxide (base) fine powder USP23, BP98	1	ton
02-10-00398	Chlorbutol (chlorobutanol) USP23(NF18), BP98	250	kg
02-10-00399	Chlorocresol BP98, USP23(NF18)	200	kg
02-10-00400	Calcium chlorid 2H2O BP98	250	kg
02-10-00401	Chlorpheniramine maleate USP23, BP98	300	kg
02-10-00402	Clotrimazol micronized USP23	1000	kg
02-10-00403	Clobetasol propionate as attached list	25	kg
02-10-00404	Crossscarmellose sodium Type A USP23(NF18), BP98	5	ton
02-10-00405	Codeine phosphate USP23, BP98	1	ton
02-10-00406	Comperland KD(diethanolamide of coconut fatty acid)(spacial method)	1	ton
02-10-00407	Cefatriaxone sodium For inj. USP23 (steril for inj.) (ready for filling)	1000	kg
02-10-00408	Cyproheptidine HCL USP23, BP98	150	kg
	Colour yellow no.10 W.S	25	kg
02-10-00409	Cefataxime sodium Steril pdr. For inj. (ready filling USP23, BP98)	12	ton
02-10-00410	Cyanocobalamine USP23, BP98	20	kg
02-10-00411	Colour Opa ox 5564 pink (specific method)	250	kg

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
02-10-00412	Carbamazepine BP98, USP23	3	ton
02-10-00413	Colour orang deep water soluble 2055 CFR-FDA colour addetives	100	kg
02-10-00414	Colour mint 2076 CFR-FDA (colour additives)	15	kg
02-10-00415	Dextromethorphan HBr. USP23, BP98	400	kg
02-10-00416	Diastase malt J.P	2	ton
02-10-00417	Diazepam USP23, BP98	500	kg
02-10-00418	Dextropropoxyphene napsylate BP98	1.5	ton
02-10-00419	Diethylamine salicylats PB98	3	ton
02-10-00420	Diethylphthalate BP98	50	kg
02-10-00421	Diclofenac sodium Fine powder white to off white cryst powder PH of 1% solution = 7-8.5 m.p 278-279?c , idehification by I.R comply Heavy metals : n.m.t. 10 ppm Arsenic: n.m.t. 2 ppm (BP98) L.O.D : n.m.t. 0.5 % Calcolated with referance to the dried substance by non aqueous titration USP23 supp6	2	ton
02-10-00422	Diphenhydramine HCL fine pdr. USP23, BP98	2.5	ton
02-10-00423	Dexamethazone v.f.p USP23, BP98	25	kg
02-10-00424	Dexamethazone sodium Phosphate USP23, BP98	3	kg
02-10-00425	Dioctyl sodium Sulphosuccinate (Docusate sod.) USP23, BP98	200	kg
02-10-00426	Diphenoxylate HCL USP23, BP98	300	kg
02-10-00427	Dextron 70 medical gradu.	1	ton
02-10-00428	Dipyridamol 1pdr. BP98, USP23	2	ton
02-10-00429	Doxycyclin hyclate BP98, USP23	2	ton
02-10-00430	Ethambutol HCL BP98, USP 23	2	ton
02-10-00431	Ethyl cellulose standard type viscosity grade 20 centipose USP23(NF18)	2	ton
02-10-00432	Eudragit L solid 100 (specific method)	2	ton
02-10-00433	Eudragit E liquid 12.5 (specific method)	10	ton
02-10-00434	Erythromycin ethyl succinate 100% below 125 micron by microscopical exam USP23, BP98 (Bitter less)	50	ton
02-10-00435	Ferrous fumarate USP23, BP98	20	ton
02-10-00436	Furosemide fine powder BP98, USP 23	1.5	ton
02-10-00437	Fluocinolone Acetonide USP23, BP98	5	kg
02-10-00438	Framycetine sulphate BP98	10	kg
02-10-00439	Glycerol redistilled anhydrous USP23, BP98	200	ton

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
02-10-00440	Glyceryl guaiacolate (guiaphenesin) USP23,BP98	5	ton
02-10-00441	Gramicidin micronized USP23	10	kg
02-10-00442	Griseofulvin USP23 ,BP98	2	ton
02-10-00443	Glucose monohydrate pdr. USP23,BP98	50	ton
02-10-00444	Guar Gum (mypro guar) Csa 200 USP23(NF18)	5	ton
02-10-00445	Glucose anhydrous USP23,BP98 pyrogem free for I.V sol.	75	ton
02-10-00446	Gentamycin sulphate fine powder (steril) USP23,BP98	1	ton
02-10-00447	Gentamycin sulphate USP23,BP98	1	ton
02-10-00448	Hydrochlorthiazide powder USP23,BP98	1	ton
02-10-00449	Hyoscin HBr . (scopolamine HBr.) USP23,BP98	1	kg
02-10-00450	Hydroquinone USP23	100	kg
02-10-00451	Iodochlorohydroxy quinolin USP23 ,BP98(Clioquinol)	100	kg
02-10-00452	Ibuprofen very fine pdr., USP23,BP98	10	ton
02-10-00453	Lactose monohydrate BP98+ M.L.T as USP23(NF18)	50	ton
02-10-00454	Lanoline Anhydrous (wool fat) USP23,BP98	10	ton
02-10-00455	L-Leucine BP98,USP23	500	kg
02-10-00456	Lidocaine BP98,USP23	500	kg
02-10-00457	Lactose spray dried BP98,USP23(NF18)+M.L.T	2	ton
02-10-00458	Lispol	4	ton
02-10-00459	Lanoline alcohol (wool al.) USP23(NF18),BP98	5	ton
02-10-00460	Magnesium carbonate light loose dinsity 0.091 gm/ml 72 bulk density 0.101 gm/m jolts USP23,BP98+MLT	25	ton
02-10-00461	Magnesium stearate ppt. Loose dinsity 0.15-0.2 gm/ml M.L.T as USP23,BP98+USP23(NF18)	10	ton
02-10-00462	Magnesium chloride BP98,USP23 6H2O	250	kg
02-10-00463A	Metoclopramide HCL BP98	250	kg
02-10-00463B	magnesium sulphate (analar)	1	ton
02-10-00464	L- menthol USP23	3	ton
02-10-00465	Meprobamat pdr. USP23,BP98	3	ton
02-10-00466	Mefenamic acid BP98	25	ton
02-10-00467	Methyl cellulose USP23,BP98	1	ton
02-10-00468	Methyl paraben USP23(NF18) ,BP98	3	ton
02-10-00469	Methyl salicylate BP98,USP23(NF18)	10	ton
02-10-00470	Mitronidazol USP23,BP98	10	ton
02-10-00471	Mebendazol v.f.p USP23,BP98	150	kg
02-10-00472	Manganese chloride anhydrous USP23	150	kg

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
02-10-00473	Mannitol (parenteral use)USP23,BP98	15	ton
02-10-00474	Methyl Dopa USP23,BP98	5	ton
02-10-00475	Neomycin sulphate USP23,BP98	500	kg
02-10-00476	Nicotinamide USP23,BP98	5	ton
02-10-00477	Nitrofurantion fine powder USP23,BP98	2	ton
02-10-00478	Naphazoline nitrate BP98	2	kg
02-10-00479	Nystatine v.f.p BP98,USP23	10000	biu
02-10-00480	Oil castor USP23,BP98	50	ton
02-10-00481	Chocalate flaver CFR,FDA food additives	250	kg
02-10-00482	Oil eucalyptus BP98	100	kg
02-10-00483	Oil lavender NF16 BP80 add 2	100	kg
02-10-00484	Oil lemon BP98	25	kg
02-10-00485	Oil niaouli (cajuput oil) french codex swiss	500	kg
02-10-00486	Oil orange BP98	3	ton
02-10-00487	Orange soluble flavourCFR,FDA food additive.	500	kg
02-10-00488	Oil peppermint USP23(NF18),BP98	3	ton
02-10-00489	Pineapple flavour CFR,FDA food additive	3	ton
02-10-00490	Strawberry flavour CFR,FDA food additive	1	ton
02-10-00491	Oil turpentine BP98	50	kg
02-10-00492	Tutti frutti flav. CFR,FDA food additive	100	kg
02-10-00493	Oleoresin capsicum, light	100	kg
02-10-00494	Absoption of 0.5% capsicum in methanol at 444 m		
02-10-00495	should on the limit of 0.3191 -0.3262 BPC73		
02-10-00496	Oil cherry flavour	3	ton
02-10-00497	Raspberry flavour CFR,FDA food additive	4	ton
02-10-00498	Oxymetazolin HCL USP23	4	kg
02-10-00499	Oil of terpineol BP98	200	ton
02-10-00500	Orange flavor dry (soluble pdr) CFR,FDA food additive	500	kg
02-10-00501	Oil spearmint Bp98	100	kg
02-10-00502	Perfume for shampoo (pine shampoo 14183)	250	kg
02-10-00503	Paracetamol USP23,BP98 V. F. P. medium diamitu 7 micro 90 % under 28 micro	300	ton
02-10-00504	Paraffin hard BP98,USP23	10	ton
02-10-00505	Paraffin liq. (mineral oil) tocopheryl added 10 ppm USP23,BP98	15	ton

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
02-10-00506	Paraffin soft whit (petrolatum) melting range 40-56?c penetration nized no. 150-200 BP98,USP23	50	ton
02-10-00507	Paraffin soft yellow melting point 40- 56?c	200	ton
02-10-00508	penetration no.150-200 BP98,USP23		
02-10-00509	Pyrazinamide BP98,USP23	250	kg
02-10-00510	Phenobarbitone (phenobarbital) USP23,BP98	500	kg
02-10-00511	Phenol cryst. USP23,BP98	500	kg
02-10-00512	Phenyl ephrine HCL USP23,BP98	500	kg
02-10-00513	Polyethylene glycol 4000 (macrogol) USP23(NF18),BP98	5	ton
02-10-00514	Polyethylene glycol 6000 USP23(NF18)	4	ton
02-10-00515	Polyvinyl pyrrolidone M.WT . 44000 K value 30 (povdon),P.V.P BP98,USP23	10	ton
02-10-00516	Potasium- chloride USP23,BP98	500	kg
02-10-00517	Propylene glycol BP98	200	ton
02-10-00518	Propylhydroxybenzoate (propylparaben) USP23(NF18),BP98	1.5	ton
02-10-00519	Pyridoxin HCL USP23,BP98	4	ton
02-10-00520	Potasium- Hydroxide USP23(NF18),BP98	20	ton
02-10-00521	Potasium -Phosphate monobasic USP23(NF18)	100	kg
02-10-00522	Polyethylene glycol 400 USP23(NF18)	5	ton
02-10-00523	Pseudoephedrine HCL USP23,BP98	750	kg
02-10-00524	Promethazine HCL USP23,BP98	200	kg
02-10-00525	Pipenzolate methyl bromide pure*Description : white cryst . pdr. With bitter test*Solubility : soluble in water , sliighty soluble in ether &acetone*Melting point : 180- 183?c*Loss on drying at 105?c :N.M.T. 0.5%*Identification by I.R. , assay N.L.T. 99%	50	kg
02-10-00526	Propranolol USP23,BP98	2	ton
02-10-00527	Ranitidine HCL USP23,BP98 white pdr	3	ton
02-10-00528	Riboflavine USP23,BP98	400	kg
02-10-00529	Rifampicin tapped bulk density 0.7 gm/ml USP23,BP98	1.5	ton
02-10-00530	Saccharine sodium USP23,BP98	3	ton
02-10-00531	Sodium Bicarbonate BP98,USP23	50	ton
02-10-00532A	Sodium Carboxymethyl cellulose (carmellose sod.)*Viscosity of 1% solution 275 c.p.s.*P.S 99.5% passes 60 mesh B.S USP23,BP98	2	ton
02-10-00532B	Sodium Chloride BP98,USP23 for J.V solution	100	ton

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
02-10-00533	Di. Sodium Edetate pure BP98, USP23	1	ton
02-10-00534	Sodium Metabisulphite USP23(NF18), BP98	500	kg
02-10-00535	Sodium Phosphate monobasic analytical reagent USP23	500	kg
02-10-00536	Spermacetti BPC68, USP23	1	ton
02-10-00537	Sulphacetamide sodium BP98, USP23	1.5	ton
02-10-00538	Sulphanilamide (streptocid) extrapure BPC68 SPX	100	kg
02-10-00539	Salbutamol sulphate Bp98	400	kg
02-10-00540	Sodium Lauryl sulphate USP23(NF18), BP98	750	kg
02-10-00541	Sodium Lactate 60% solution in P.E cont.	2	ton
02-10-00542	Sulphamethoxazol (micronized) USP23, BP98	80	ton
02-10-00543	Silendfile citrate	500	kg
02-10-00544	Talc v.f.p USP23, BP98	20	ton
02-10-00545	Theophylline anhydrous USP23, BP98	5	ton
02-10-00546	Thymol USP23(NF18), BP98	100	kg
02-10-00547	Titanium dioxide USP23, BP98	3	ton
02-10-00548	Di-X-Tocopheryl acetate oily BP98	150	kg
02-10-00549	Tween 80 (poly sobate 80) BP98, USP23(NF18)	5	ton
02-10-00550	Triprolidine HCL BP98, USP23	5	kg
02-10-00551	Tetracycline HCL USP23, BP98	15	ton
02-10-00552	Vitamin A acetate 500 000 I.U/gm powder appearance light yellow , fine gran pdr fineness 100% throught no.20 U.S standard sieve min 9% throught no. 40 max. 15% " " 100 loss on drying (4 hours at 105 ?c) max 8% USP23, BP98	2	ton
02-10-00553	Vitamin E adsorbate 33% or 50% pharmaceutical grade BP98, USP23 appearance fine practicaly white pdr. L.O.D. n.m.t 5% (4 hours at 105?c) E 254/E 284.5 (ethan 01) 0.17-0.215 assay min 33% or 50% of Di-tocopheryl acetate	2	ton

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
02-10-00554	Vitamin A- palmitate 1M IU/ gm appearance : yellow ,oily liq. May crystllize on storage Peroxide value (lea) max 10 Acid value max 20 UV absorption in isopropanola)mix absorption : at 325-327 nm b) ralative extinction :i-at 300 nm max. 0.593ii- at 350 nm max. 0.537iii-at 370 nm max. 0.142 Vitamin A content min. 1.0M I.U/g specify:1-dileumt oil 2- antiaxidant, USP23,BP98	250	kg
02-10-00555	Veegum H.V. (alum. Mag. Silicate) (viscosity st. 5%) 250 CP. USP23(NF18),BP98	1.5	ton
02-10-00556	Witapsol H35 (hard fat) USP23(NF18),BP98	10	ton
02-10-00557	Witepsol H37 (hard fat) BP98,USP23(NF18)	10	ton
02-10-00558	Yeast extrat USP23	2	ton
02-10-00559	Yellow iron oxide colour CFR, FDA colour add	20	kg
02-10-00560	Zinc oxide BP98,USP23	10	ton
02-10-00561	Benzyl penicillin G sod. Sterile ready for filling BP98,USP23	1000	biu
02-10-00562	Fortified procain penicillin sterile for inj. (ready for filling) (400 000int unit)	7000	biu
02-10-00563	content of total penicillin M.L.T 65% of thetotal content of procaine		
02-10-00564	prnicillin & benzyl penicillin sodium BP98,USP23		
02-10-00565	Streptomycin sulphate sterile pdr. For inj. (ready for filling) BP98,USP23	3000	kg
02-10-00566	Ampicillin sodium Sterile for inj. Crystalline (ready for filling) USP23,BP98	8000	kg
02-10-00567	Ampicillin Trihydrate V.F.P. particale size 100% bellow 125 micro. By microscopical exam. USP23,BP98	10	ton
02-10-00568	Avicel pH 102 (microcrystallin cellulose) avarage P.S. 90 micro BP98,USP23(NF18)	7	ton
02-10-00569	Amoxycillin Trihydrate v.f.p. 100% bellow 125 micro. When exam under microscop. USP23,BP98	10	ton

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
02-10-00570	Amoxycillin Trihydrate compacte bulk density 0.68+ 5% gm/ml Sieve analysis 10% over 900 micro 50% over 400, 90% over 100 USP23,BP98	50	ton
02-10-00571	Chloramphenicol palmitate micro. P.S100% bellow 100micron by microscopical exam USP23,BP98	20	ton
02-10-00572	Creatinine chemical pure USP23	1.5	ton
02-10-00573	Cetomacrogol (cetamac 1000) BP98	5	ton
02-10-00574	Cephalothin sodium Sterile pdr. For inj. BP98, USP23 (ready for filling)	1	ton
02-10-00575	Calcium Carbonate light fin pdr. Loose density 0.3-0.4 gm/ml Tapped density 0.5- 0.7 gm/ml BP98	5	ton
02-10-00576	Colour orange deep 2025 CFR,FDA color food add.	50	kg
02-10-00577	Chloramphenicol USP23,BP98	5	ton
02-10-00578	Colour deep orange alum. Lake ZLTI CFR,FDA color add.	50	kg
02-10-00579	Colour bannana green H8747 CFR,FDA color add.	25	kg
02-10-00580	Colour erythrocin FD&C. No. 3 CFR,FDA	350	kg
02-10-00581	Colour green alum. Kake ZLT601 CFR,FDA color add.	70	kg
02-10-00582	Chlorhexidine gluconate BP98	6	ton
02-10-00583	Colour red F,D & C no.30 CFR,FDA color add.	50	kg
02-10-00584	Hydroxyethyl cellulose (cello size)QP 300L / 1389 USP23	500	kg
02-10-00585	Hydroxypropyl methyl cellulose 50 CPS USP23	2	ton
02-10-00586	Pridnisolone fine pdr. USP23,BP98	200	kg
02-10-00587	Famotidine BP98,USP23	500	kg
02-10-00588	Triamcinolone acetonide micro. USP23,BP98	50	kg
02-10-00589	Trimethoprim (micronized) P.S 50% below 14 mic.80% below 27 mic.100% below 90 mic.USP23,BP98	15	ton
02-10-00590	Tetracycline HCL micronized USP23,BP98	500	kg
02-10-00591	Diclofence sodium Bromin free powder for ampoule	150	kg
02-10-00592	Avicel pH 200 for direct comprssion NF,PH eur.	5	ton
02-10-00593	Avical pH 301 NF,PH eur,BP	10	ton
02-10-00594	Avical pH 302 NF,PH eur ,BP	10	ton
02-10-00595	Cinnarizine	100	kg
02-10-00596	Cinchocoin HCL BP98,USP23	30	kg

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
02-10-00597	Terbutaline sulphate USP23	10	kg
02-10-00598	Spironolactone BP93	125	kg
02-10-00599	Roxithromycin BP98	75	kg
02-10-00600	CIPROFLOXACIN . BP98	10	ton
02-10-00601	Erythromycin ethyl succinate 100% below 125 micron by microscopical exam USP23,BP98(Bitter less)	12	ton
02-10-00602	FINASTRIDE	200	kg
02-10-00603	Captopril USP23,BP98 disulphit free	2200	kg
02-10-00604	Ranitidine HCL USP23,BP98 white pdr	4500	kg
02-10-00605	CLIBENCLAMIDE POWDER BP 98	500	kg
02-10-00606	LANZOPRAZOL	150	kg
02-10-00607	LISIN00PRIL DIHYDRATE BP98 , USP 23	150	kg
02-10-00608	AMLODIPIN BESYLATE .	100	kg
02-10-00609	PYRIZINAMIDE BP 98	2	ton
02-10-00610	CEFTAZIDIM USP 23	100	kg
02-10-00611	LORATADINE HCL	50	kg
02-10-00612	CISAPRIDE MONOHYDRATEBP 98	100	kg
02-10-00613	NAPROXEN USP 23 FDA APP , BP 98	10	ton
02-10-00614	PYROXICAM	1	ton
02-10-00615	CEFACLOX MONOHYDRATE USP 23	500	kg
02-10-00616	TERBUTALINE SULPHATE USP 23	25	kg
02-10-00617	CINNARIZINE	250	kg
02-10-00618	CLOXACILLIN SOD. STERILE USP 23 , BP 98	500	kg
02-10-00619	DILTIAZIM HYDROCHLORID	300	kg
02-10-00620	CLIDINIUM BROMIDE USP 23	200	kg
02-10-00621	XANTHAN GUM USP 23 (NF 18)	3	ton
02-10-00622	SODIUM CITRATE BP.98 USP 23 .	25	ton
02-10-00623	Attached list for specification of Aspirin:-		
	Percentage remaining on sieve in micron :-		
	160 micron 85-96 , 200 micron 79-92		
	250 micron 71-89 , 315 micron 63-84		
	400 micron 52-78 , 500 micron 40-71		
	630 micron 25-55 , 800 micron 7-26		
	Determined by alpine type ALS 200 sieve		
	Sample wieght 10 gm,time 3 min.		
	Depression 200 mm to 300 mm water angle repose 38.8		
	Untapped apparent density 0.65-0.69gm/ml.		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	Staffed density 0.74-0.77		
	Should comply with BP80 specification		
	Specification of the Raw material :-		
	Aluminium Hydroxide magnesium carbonate Co. dried gel .		
	Ref. (Ext. pharmac. 27)		
	—		
	Physical bulk density = 0.236gm/ml + 10% —		
	Tapped density (DIN satandard method = 0.347 + 10%with 1000 jolts)		
	Microscopical examinations		
	100 % over 3.3 micron		
	3 % over 30 micron		
	Mean partical size = 5 microns		
	Analytical specifications		
	Aluminium oxide		
	40-43 % proceed as directed in the assay for aluminium oxid under		
	magaldrate USPXX page 456 (SDI analytical standard).		
	Magnesium oxide.		
	6-9 % proceed as directed for the assay of magnesium oxide under .		
	Magaldrate USPXX page 456(SDI analytical satandard)		
	pH of 4 % = 8.5 - 9.5		
	Neutralization capacity		
	M1 N/10 HCL per gm. min. 260		
	Other requirments : It respond to the identification test under magaldrate and meet all the		
	requirment of microbial limit , chloride sulfate ,Arsenic and heavy metal under Aluminium		
	Hydroxide dried gel		
02-10-00624	CLOBETASOL PROPTONATE		
	MICRONIZED		
	Description : A white to creamy white odourless powder		
	Identiciation: Posetive (I.R ,UV , HPLC)		
	Solubility : Practically insolble in water , soluble 1 in 100 ml alcohol and 1 in 1000 of ether		
	Soluble in acetone , dioxane chloroform , dimethly sulfoxide .		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	Melting point : 195 C + 3 C		
	Loss on drying : not more than 1 % (3 hours at 105 C)		
	Specific optical rotation : + 100 to + 108		
	(C= 1% w/v in dioxin)		
	Light absorption (at about 238 nm) 330-350 A (1% Tcm)		
	Residue on ignition : not more than 0.2 %		
	Related foreign steroids: not more than 3 % (TLC, HPLC)		