

CODE NO	DESCRIPTION	QTY	UNIT
01-09-00001	FLOW METER MEDIUM = NaOH (14%) MAX PRESSURE = 10 M LIQUID LEVEL OPREATING TEMPRATURE = 41 C SPECIFIC GRAVITY = 1.19 KG/L TYPE = KROHNE / GA 24P MATERIALCASE = STEEL WITH HARD RUBBER MEASURING CONE = GLASS FLOAT = PVC WITH LEAD FILL CONNECTION N.C/N.P= FLANGE 19/25 MEASURING RANG = 20-200 L/H DIAL (SCALE) = LINEAR	4	
01-09-00002	FLOW METER MEDIUM = HCL (30%) MAX PRESSURE = 10 M LIQUID LEVEL OPREATING TEMPRATURE = 45 C SPECIFIC GRAVITY = 1.14 KG/L FLOAT= STAINLESS - STEEL MATERIALCASE = STEEL MEASURING CONE = GLASS FLOAT = PVC WITH LEAD HILL MEASURING CONE = GLASS CONNECTION N.C/N.P= FLANGE 15/25 MEASURING RANG = 20-200 L/H DIAL (SCALE) = LINEAR	36	
01-09-00003	DESCRIPTION FLOW METER MEDIUM = PURE BRINE CORRESIVE COMPONENT = 310 g NACL/L MAX PRESSURE =APPROXE 10 M LIQUID LEVEL OPREATING PRESSURE = 8M LIQUID LEVEL OPREATING TEMPRATURE = 80 C SPECIFIC GRAVITY = 1.17 KG/L LINE MATERIAL N.D/N.P =50/10 MATERIAL CASE = GLASS 2 MEASURING CONE = GLASS FLOAT = PVC WITH LEAD FILL CONNECTION N.C/N.D= HOSE RANG =(0.45 - 4.5.) M3/H DIAL (SCALE) = LINEAR		
01-09-00004	PLANT FOR CEMENT BAGS PRODUCTION CAPACITY = 100 MILLION BAGS/YEAR	1	

	RAW MATERIALS = POLY PROPYLENE AND KC (70 % CaCo3 + 30 % POLY PROPYLENE)		
01-09-00005	COMPLETE CENTRIFUGAL (AIR COMPRESSOR) WITH BASE AND MOTOR Q= 140 M3/H FINAL PRESSURE = 1.8 ATM ABS INLET PRESSURE = 1 ATM ABS MEDIUM = AIR FINAL TEMP = 40 C TYPE OF CONNECTION= COUPLING TYPE OF SEALING = PACKING , SEALING MEDIUM = WATER MATERIAL = HOUSING AND IMPELLER = GGG 42 SHAFT = ST 50 PROT PLATE AND END SHIELD - GGG 20 TYPE OF COMPRESSOR= GAS PUMP WITH CIRCULATION OF WATER SUPPLIER = WEST ORIGIN	2	
01-09-00006	COMPLETE AIR COMPRESSOR WITH BASE& MOTOR Q= 50 M3/H PRESSURE = 35 BAR TYPE OF CONNECTION= V - BELT TYPE OF COMPRESSOR = VERTICAL PISTON SUPPLIER = WEST ORIGIN	2	
01-09-00007	COMPLETE AIR COMPRESSOR (OIL FREE) WITH BASE & MOTOR Q= 408 L/MIN PRESSURE = 7 BAR TYPE OF CONNECTION= V - BELT TYPE OF COMPRESSOR = VERTICAL PISTON SUPPLIER = WEST ORIGIN	2	
01-09-00008	COMPLETE AIR COMPRESSOR WITH BASE & MOTOR Q= 10 M3/H PRESSURE = 10 BAR TYPE OF CONNECTION = V - BLET TYPE OF COMPR.= VERTICAL PISTON MEDIUM = AIR SUPPLIER = WEST ORIGIN	2	
01-09-00009	CORN ((DRIED SEEDS))	5000TON	

	specialized for starch production (SOFT CORN) moiture content = 9-12 impurities = 3 % max molde = free insect defect = free length of seed =6-18 mm width of seed =5-11 mm thiknes of seed =3-18 mm		
01-09-00010	SCREW PRESS OF CONTINIOUS OPERATION FOR DE WATERING OF THE BRAN :- CAPACITY 4TON/HR P=22 KW WITH ELECTRIC MTOR ,ACID RESISTANCE STEEL	1	
01-09-00011	DRIER FD100 (ATLAS CAPCO)	2	
01-09-00012	UV STABLYZER	500 TON	
	CORN ((DRIED SEEDS)) specialized for starch production (SOFT CORN) moiture content = 9-12 impurities = 3 % max molde = free insect defect = free length of seed =6-18 mm width of seed =5-11 mm thiknes of seed =3-18 mm		
01-09-00013	COMPLETE HORIZANTAL MULTI STAGE CENTRIFUGAL PUMP WITH BASE & MOTOR Q= 10 M3/H PRESSURE = 10 BAR SPEED = 3000 r.p.m TYPE OF CONNECTION = COUPLING TYPE OF SEALING = PACKING MEDIUM = WATER MATERIAL :- IMPELLER = S.S SHAFT SLEEVE = S.S SHAFT = S.S SUPPLIER = WEST ORIGIN	2	
01-09-00014	COMPLETE HORIZANTAL MULTI STAGE CENTRIFUGAL PUMP WITH BASE & MOTOR Q= 10 M3/H H=20 M.L.C	3	

	SPEED = 1450 r.p.m TYPE OF CONNECTION = COUPLING TYPE OF SEALING = PACKING MEDIUM = CaO MATERIAL :- IMPELLER = S.S SHAFT SLEEVE = S.S IMPELLER CASE & COVER = S.S STUFFIN BOX = S.S SHAFT = ST50 SUPPLIER = WEST ORIGIN		
01-09-00015	cntrifugal pump st.st - 316 , FLOW 4L/SEC head 17 m temp = 100 c head 25m temp = 100 c 1470 r.p.m	9	
01-09-00016	cntrifugal pump st.st - 316 , FLOW 8.5L/SEC head 40m temp = 100 c 1470 r.p.m	8	
01-09-00017	cntrifugal pump st.st - 316 , FLOW 8.5L/SEC head 25m temp = 100 c 1470 r.p.m	10	
01-09-00018	d.vacuum pump 760 mm Hg ele motr 45KW 1000 r.p.m , 40 c	1	
01-09-00019	submercible pump P= 10 KW N= 1450 r.p.m D = 3 " Q= 2 M3/MIN	4	
01-09-00020	BOILER FEED WATER PUMP VERTICAL TYPE MULTI STAGE PUMP WITH ELECTRIC MOTOR = 22 KW , 3000 r.p.m , 380/660 v pressure = 16 bar / capacity = 25 m3/hr TEMPERTURE = 105 C	1	

01-09-00021	P.P GRAUALS SABIC TYPE P.P 500P MFI = 2-4 G/10 MIN (230 C/2.16 KG) YIELD TENSILE STRENGTH = 37 MPA IMPACT STRENGTH = 40 S/MM TYPE = HOMOPOLYMER	4000 TON	
01-09-00022	KC GRANUALS WHICH REPRESENTS 70% CaCO3 + 30% POLYPROPYLENE MIF : 7-8 G/10 MIN	300 TON	
01-09-00023	SPUN POLSTER SIZE NM 34/6 (SP 20/1* 5) COLOR = NATURAL WHITE	50 TON	
01-09-00024	CHECK VALVE ,NW =400 mm HORIZONTAL INSTALLATION .MATERIAL OF BODY GGG50	5	
01-09-00025	CHECK VALVE ,NW =400mm VERTICAL INSTALLATION .MATERIAL OF BODY GG25	3	
01-09-00026	CHECK VALVE ,NW =250 mm VERTICAL INSTALLATION .MATERIAL OF BODY GG	4	
01-09-00027	CHECK VALVE ,NW =200mm VERTICAL INSTALLATION ,RUBBER LINED Q GRADE MATERIAL OF BODY GG 18	4	
01-09-00028	DIAPHRAGM , Q.GRADE TYPE A ,DN= 80 mm	20	
01-09-00029	DIAPHRAGM , Q.GRADE TYPE A ,DN= 200 mm	20	
01-09-00030	DIAPHRAGM , Q.GRADE TYPE KB ,DN= 80 mm	10	
01-09-00031	FLOAT ACTUATED BUTTER FLY VALVE 600 mm ,VERTICAL INSTALLATION MATERIAL OF BODY GGG 50	2	
01-09-00032	FOUR DIRECTION VALVE ,ST.ST 316 DN= 10 mm , MAX PR. = 10 BAR	60	
01-09-00033	WEDGE GATE VALVE D= 200 mm L=250 mm PN= 16 DIN= 2526	2	

01-09-00034	WEDGE GATE VALVE D= 150 mm L= 350 mm PN= 16 DIN= 2526	4		
01-09-00035	WEDGE GATE VALVE D= 100 mm L= 360 mm PN=16 DIN = 2526	12		
01-09-00036	WEDGE GATE VALVE D= 65 mm L= 250 mm PN= 10 - 16 DIN=	10		
01-09-00037	WEDGE GATE VALVE D= 25 mm L= 160 mm PN= 10 - 16 DIN= MATERIAL FOR (1,2,3,4,5) COVER AND WEDGE= CAST-STEEL 1-4436 STUFFING BOX : SS : 1.4408 BODY : GG : 25 MEDIUM : H2SO4 98.9 %	4		
01-09-00038	GATE VALV ST-ST D= 100 mm L=290 mm PN=10 - 16 MEDIUM : NaOH 38%	4		
01-09-00039	BALL VALVE (JACKET STEAM) D= 65/40 mm L= 200 mm PN= 10 - 16 MEDIUM : SUIPHUR SOLUTION AT TEMP = 130 - 160 C STOP VALVES WITH FLANGES APPLICATION = FOR HANDLING STEAM	15		
01-09-00040	DN=20, PN=16, L=150, H=85, DZ=106, DO=53, DP=57	15		
01-09-00041	DN=25, PN=16, L=187, H=180, DZ=94, DO=44, DP=46	15		

01-09-00042	DN=32, PN=16, L=176, H=230, DZ=137, DO=69, DP=88	10	
01-09-00043	DN=40, PN=16, L=200, H=210, DZ=153, DO=78, DP=87	10	
01-09-00044	DN=50, PN=16, L=225, H=230, DZ=162, DO=88, DP=99	15	
01-09-00045	DN=65, PN=16, L=280, H=160, DZ=190, DO=106, DP=116	40	
01-09-00046	DN=125, PN=16, L=400, H=360, DZ=250, DO=215, DP=195	10	
	BODY , BONUTT, HAND WHEEL CAST IRON SEALING RINGS IN SIDE THE BODY & IN THE DISK (ST-ST) OR BRASS SPINDLE ST-ST ALL DIMENTIONS IN (mm) NUMBER OF HOLES 4 FOR DN 20, 25, 32, 40, 50, 65 NUMBER OF HOLES 8 FOR DN 125		
	VALVES gate valve with threaded ends		
01-09-00047	ST-ST 316 PN6, DN 1"	10	
01-09-00048	PN6, DN 2"	10	
01-09-00049	PN6, DN 2.5"	10	
01-09-00050	PN6, DN 3"	10	
01-09-00051	CHECK VALVE ,NW =400 mm HORIZONTOL INSTALLATION .MATERIAL OF BODY GGG50	5	
01-09-00052	CHECK VALVE ,NW =400mm VERTICAL INSTALLATION .MATERIAL OF BODY GG25	3	
01-09-00053	CHECK VALVE ,NW =250 mm VERTICAL INSTALLATION .MATERIAL OF BODY GG	4	
01-09-00054	CHECK VALVE ,NW =200mm VERTICAL INSTALLATION , RUBBER LINED Q GRADE MATERIAL OF BODY GG 18	4	

01-09-00055	DIAPHRAGM , Q.GRADE TYPE A ,DN= 80 mm	20	
01-09-00056	DIAPHRAGM , Q.GRADE TYPE A ,DN= 200 mm	20	
01-09-00057	DIAPHRAGM , Q.GRADE TYPEKB ,DN= 80 mm	10	
01-09-00058	FLOAT ACTUATED BUTTER FLY VALVE 600 mm ,VERTICAL INSTALLATION MATERIAL OF BODY GGG 50	2	
01-09-00059	FOUR DIRECTION VALVE ,ST.ST 316 DN= 10 mm , MAX PR. = 10 BAR	60	
01-09-00060	WEDGE GATE VALVE D= 200 mm L=250 mm PN= 16 DIN= 2526	2	
01-09-00061	WEDGE GATE VALVE D= 150 mm L= 350 mm PN= 16 DIN= 2526	4	
01-09-00062	WEDGE GATE VALVE D= 100 mm L= 360 mm PN=16 DIN = 2526	12	
01-09-00063	WEDGE GATE VALVE D= 65 mm L= 250 mm PN= 10 - 16 DIN=	10	
01-09-00064	WEDGE GATE VALVE D= 25 mm L= 160 mm PN= 10 - 16	4	

	DIN= MATERIAL FOR (1,2,3,4,5) COVER AND WEDGE= CAST-STEEL 1-4436 STUFFING BOX : SS : 1.4408 BODY : GG : 25 MEDIUM : H2SO4 98.9 %		
01-09-00065	GATE VALV ST-ST D= 100 mm L=290 mm PN=10 - 16 MEDIUM : NAOH 38%	4	
01-09-00066	BALL VALVE (JACKET STEAM) D= 65/40 mm L= 200 mm PN= 10 - 16 MEDIUM : SUIPHUR SOLUTION AT TEMP = 130 - 160 C STOP VALVES WITH FLANGES APPLICATION = FOR HANDLING STEAM	15	
01-09-00067	DN=20, PN=16, L=150, H=85, DZ=106, DO=53, DP=57	15	
01-09-00068	DN=25, PN=16, L=187, H=180, DZ=94, DO=44, DP=46	15	
01-09-00069	DN=32, PN=16, L=176, H=230, DZ=137, DO=69, DP=88	10	
01-09-00070	DN=40, PN=16, L=200, H=210, DZ=153, DO=78, DP=87	10	
01-09-00071	DN=50, PN=16, L=225, H=230, DZ=162, DO=88, DP=99	15	
01-09-00072	DN=65, PN=16, L=280, H=160, DZ=190, DO=106, DP=116	40	
01-09-00073	DN=125, PN=16, L=400, H=360, DZ=250, DO=215, DP=195 BODY , BONUTT, HAND WHEEL CAST IRON SEALING RINGS IN SIDE THE BODY & IN THE DISK (ST-ST) OR BRASS SPINDLE ST-ST ALL DIMENTIONS IN (mm) NUMBER OF HOLES 4 FOR DN 20, 25, 32, 40, 50, 65 NUMBER OF HOLES 8 FOR DN 125	10	
	VALVES gate valve with threaded ends		

01-09-00074	ST-ST 316 PN6, DN 1"	10	
01-09-00075	PN6, DN 2"	10	
01-09-00076	PN6, DN 2.5"	10	
01-09-00077	PN6, DN 3"	10	
	WATER SEAL:		
01-09-00078	1- SIZE 33N/32.52.10/5	50	
01-09-00079	2- SIZE 33N/28.44.8/4	50	
01-09-00080	3- SIZE 33N/26.42.8/4	50	
01-09-00081	ELECTRICAL MOTOR 1450 r.p.m ,160 KW ,3 PHASE , 380 V HORIZONTAL	2	
01-09-00082	ELECTRICAL MOTOR 3000 r.p.m ,110 KW ,3 PHASE , 380 V HORIZONTAL	6	
01-09-00083	ELECTRICAL MOTOR 1450 r.p.m ,120 KW ,3 PHASE , 380 V HORIZONTAL	2	
01-09-00084	ELECTRICAL MOTOR 1450 r.p.m ,95 KW ,3 PHASE , 380 V VERTICAL	4	
01-09-00085	ELECTRICAL MOTOR 1450 r.p.m ,33 KW ,3 PHASE , 380 V HORIZONTAL	4	
01-09-00086	ELECTRICAL MOTOR 3000 r.p.m ,5.5 KW ,3 PHASE , 380 V HORIZONTAL	12	
01-09-00087	ELECTRICAL MOTOR 3000 r.p.m ,3 KW ,3 PHASE , 380 V HORIZONTAL	8	
01-09-00088	ELECTRICAL MOTOR 1450 r.p.m ,15 KW ,3 PHASE , 380 V VERTICAL	8	

01-09-00089	ELECTRICAL MOTOR 1450 r.p.m ,5.5 KW ,3 PHASE , 380 V HORIZONTAL	8	
01-09-00090	ELECTRICAL MOTOR 3000 r.p.m ,1.5 KW ,3 PHASE , 380 V HORIZONTAL	2	
01-09-00091	ELECTRICAL MOTOR 710 r.p.m ,7.5 KW ,3 PHASE , 380 V VERTICAL	4	
01-09-00092	ELECTRICAL MOTOR 1450 r.p.m ,11 KW ,3 PHASE , 380 V VERTICAL	4	
01-09-00093	ELECTRICAL MOTOR1450 r.p.m ,30 KW ,3 PHASE , 380 V HORIZONTAL	2	
01-09-00094	ELECTRICAL MOTOR 3000 r.p.m ,18.5 KW ,3 PHASE , 380 V HORIZONTAL	10	
01-09-00095	ELECTRICAL MOTOR 1450 r.p.m ,18.5 KW ,3 PHASE , 380 V HORIZONTAL	10	
01-09-00096	ELECTRICAL MOTOR 3000 r.p.m ,15 KW ,3 PHASE , 380 V HORIZONTAL	6	
01-09-00097	ELECTRICAL MOTOR 1450r.p.m ,15 KW ,3 PHASE , 380 V HORIZONTAL	5	
01-09-00098	ELECTRICAL MOTOR 3000 r.p.m ,11KW ,3 PHASE , 380 V HORIZONTAL	5	
01-09-00099	ELECTRICAL MOTOR 1450 r.p.m ,11 KW ,3 PHASE , 380 V HORIZONTAL	5	
01-09-00100	ELECTRICAL MOTOR 3000 r.p.m ,7.5 KW ,3 PHASE , 380 V HORIZONTAL	10	

01-09-00101	ELECTRICAL MOTOR 1450 r.p.m ,7.5 KW ,3 PHASE , 380 V HORIZONTAL	6	
01-09-00102	ELECTRICAL MOTOR 3000 r.p.m ,2.2 KW ,3 PHASE , 380 V HORIZONTAL	5	
01-09-00103	ELECTRICAL MOTOR 1450 r.p.m ,37 KW ,3 PHASE , 380 V HORIZONTAL	2	
01-09-00104	ELECTRICAL MOTOR 710 r.p.m ,1.1 KW ,3 PHASE , 42 V VERTICAL	12	
01-09-00105	ELECTRICAL MOTOR 950 r.p.m ,33 KW ,3 PHASE , 380 V HORIZONTAL	4	
01-09-00106	ELECTRICAL MOTOR 690 r.p.m ,1.1 KW ,3 PHASE , 380 V HORIZONTAL	3	
01-09-00107	ELECTRICAL MOTOR 925r.p.m ,1.5 KW ,3 PHASE , 380 V HORIZONTAL	4	
01-09-00108	ELECTRICAL MOTOR 45KW,1450 r.p.m 380/660v ,base-type SHAFT DIA. 55 mm	3	
01-09-00109	ELECTRICAL MOTOR 45 KW 1450r.p..m 380 /660v,flange-type OUTSIDE DIAMETER Q 45 cm INSIDE DIAMETR Q 35 cm DISTANCE BETWEEN HOLES 40 cm HOLES QTY = 8 SHAFT DIA. 58 mm	2	
01-09-00110	STARCH LINE PLANT WITH ACPACITY OF 10 TON/DAY KNOW- HOW (SCIENTIFIC KNOWLEDGE) SUPPLY ALL EQUIPMENT	1	

	INSTALLATION ALL EQNIPMENTS,PERFORM INITIAL START UP ,TEST RUN LOCALLY TRAINING THE OPERATORS AND TRAINING 5 ENGINEERS FOR TWO WEEKS IN SPECIALIZED STARCH COMPANY THE CIVIL WORK WILL BE DONE BY OUR COMPANY (YOU SENT THE LAYOUT WITH FULL DIMENTION) SPARE PARTS FOOR TWO YEARS NOTES: THE FOLLOWING UTILITIES ARE AVAILABLE STEAM= 8-18 KG/CM2 (9-10 TON /HR) ELECTRICITY = L.L 380 V WATER = DRINKING WATER WE HAVE PLANT IN OUR COMPANY FOR PRODUCING STARCH IN A CAPACITY OF 6000 TON/YEAR THE FOLLOWING SPECIFICATION OF STARCH SOLUTION CANBE SUPPLIED TO BRANCH LOCATION *CONCERTRATION OF SOLUTION = 16 - 21 BE *PROTIEN % MAX = 0.5 OIL % MAX= 0.7 ASH % MAX = 0.2 ACIDITY = 3 ML NAOH (0.1N) FOR 10 GRAM STARCH SO2 = 100 PPM MAX THE SOURCE OF STARCH IS IRAQI CORN		
01-09-00111	COMMERCIAL GRADE CALCIND SODIUM CARBONATE Na2 CO3 98-99 % WT INSOLUBLE COMPONENTS 0.1 % MIN BULK WEIGHT 500 KG/M3 FREE OF HEAVY METALS	50 TON	
01-09-00112	GEAR. BOX WITH ELECTRIC MOTOR N1=1000 r.p.m N2=30 r.p.m Ele motor =3kw,1000 r.p.m	5	

01-09-00113	GEAR. BOX WITH ELECTRIC MOTOR N1=1450 r.p.m N2=51 r.p.m EL MOTOR =3KW,1450 r.p.m	4	
01-09-00114	GEAR. BOX WITH ELECTRIC MOTOR N1=1450 r.p.m N2=80r.p.m EL MOTOR =22KW,1450r.p.m	1	
01-09-00115	GEAR. BOX WITH ELECTRIC MOTOR N1=1450 r.p.m N2=51 r.p.m El motor=1.5 KW,1450 r.p.m	10	
01-09-00116	GEAR. BOX WITH ELECTRIC MOTOR N1=1000 r.p.m N2=30 r.p.m ele motor 1.2KW,1000 r.p.m	10	
01-09-00117	PIPES st.st 316 pipe thikness at least 6mm for 2",2.5".3"	1"	60 M
		2"	200 M
		2.5"	200 M
	pipe thikness at least 4mm for 1" 3"		60 M
01-09-00118	GLUCOSE LINE	1	
01-09-00119	SHEFFLE	2	
01-09-00120	FORK LIFT FOR 5 TON	6	
01-09-00121	TURCK FOR 50 TON	1	

01-09-00122	FORK LIFT 3 TON	7	
01-09-00123	CRANE FOR 30 TON	1	
01-09-00124	CRANE FOR 50 TON	1	
01-09-00125	TRUCK FOR 12 TON	4	
01-09-00126	AMBULANCE	2	
01-09-00127	FIRE EXTINGUISHER VEHICLE (FOAM + WATER)	2	
01-09-00128	TRUCK FOR 10 TON	1	
01-09-00129	COMPLETE UNIT FOR IDUSTRIAL WATR TATMENT	1	