

SECTOR: AGRICULTURE
Subsector: Annex AGRI - 2
Enhanced Domestic Food Production

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
A - CROP AND VEGETABLE SEED			
05-02-00001	Sunflower seed Hybrid variety .	500	mt
05-02-00002	Cucumber Hybrid - F1	50	mt
05-02-00003	Tomato seed	40	mt
05-02-00004	Squash seed Hybrid - F1	10	mt
05-02-00005	Pepper seed	8	mt
05-02-00006	Onion seed	25	mt
05-02-00007	Cowpeas	150	mt
05-02-00008	Bean	150	mt
05-02-00009	Eggplant	10	mt
05-02-00010	Broadbean	50	mt
05-02-00011	Water Melon	30	mt
05-02-00012	Different Hybrid Seed for green Houses	150	kg
05-02-00013	Rape	200	mt
05-02-00014	Safflower	200	mt
05-02-00015	Potato seed (Super elite and elite)	1,500	mt
B - FRUIT SEED AND SEEDLINGS:			
05-02-00016	Malus Communis Seed	50	kg
05-02-00017	Pyrus Communis Seed	50	kg
05-02-00018	Prunus Cerasifera Seed	50	kg
05-02-00019	Mauls Communes Seedling	100,000	seeding
05-02-00020	Pyres communes seedling	100,000	seeding
05-02-00021	Pyres communes seedling	100,000	seeding
05-02-00022	Olive rooted-stem cutting	4,000,000	
05-02-00023	Routing hormones powder	50 X1	KG
		100 X ½	KG
		500 X 100	Gm
05-02-00024	Pruning saw	500	
05-02-00025	Mulching polyathelene	15	mt
05-02-00026	Black plastic sac		
	30 X 30 CM	10	mt
	15 X 30 CM	10	mt
	seedling tray	500,000	Pcs
05-02-00027	Netting shade		
	Sheding 50%	250,000	M2
	Sheding 75%	250,000	M2
05-02-00028	Chessel		
	65 Cm	50	
	70 Cm	50	
05-02-00029	Green houses structure		
	500 M2 with accessories	200	houses
	180 M2 with accessories	200	houses
	(galvanised tubes)	(approx. MT of 500)	tubes
C - FERTILIZERS			
05-02-00030	Di ammonium phosphate	40,000	mt
05-02-00031	Potassium sulphate	5,000	mt
05-02-00032	Magnesium Sulphate	100	mt
50-02-00033	Ferrous Sulfate FeSo4 (Min 19-20 %)	20	mt
05-02-00034	Zinc Sulfate ZnSO4 (35%)	20	mt

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
05-02-00035	Micro Neturen fouler fertiliser	50	mt
05-02-00036	Cupper sulphate CuSO4H2o (35 % Cu)	10	mt
05-02-00037	Manganese sulphate MnSO4 3H2O (28 % Mn)	25	mt
05-02-00038	(TSP) Citrate and water solubility 46 % P2O5 . P2O5 soluble in water not less than 30 % Humidity 1.7 Max.	10,000	mt
	D - The installation of new banana nursery for seedling production and extension :		
05-02-00039	Complete green house	For (5) ha	
05-02-00040	Drip irrigation unit	For (5) ha	
05-02-00041	Heating and cooling system	For (5) ha	
05-02-00042	Fibre glass for green house	For (5) ha	
05-02-00043	Shading net	For (5) ha	
05-02-00044	Tractor 33 HP with accessories	2	
05-02-00045	80 KVA generators	1	
05-02-00046	4 cylinder 2000 cc field car	2	
05-02-00047	Mini bus	2	
05-02-00048	Banana seedling	12,000	
05-02-00049	Foliar fertiliser	5	MT
05-02-00050	Growth regulators	As required	
	E : Rehabilitation of the main and district extension centers		
05-02-00051	Digital Betacam SP camera complete (DXC-D30P) with portable video cassette recorder (PVV-3P). Includes : 1.5" viewfinder ; tripod adapter; rain cover; extender board and operation /	2	
05-02-00052	AC Adapter. (AC550CE)	4	
05-02-00053	Battery Charger for (NI-CD) batteries (BC-1WDCE).	4	
05-02-00054	Video Cassette recorder Betacam SP (PVW-2800P) .	2	
05-02-00055	Video Cassette player Betacam SP (PVW-2650P) for editing .	2	
05-02-00056	Remote Control Editor (RM-450CE), editing control unit .	1	
05-02-00057	Color Monitor with quad decoder and standard resolution in line slot mask CRT. Digital. (CVS-37-PS) 14" .	4	
05-02-00058	(NI-CD) Batteries (NP1A).	30	
05-02-00059	Metal type cassettes SP with 20 minute ; 30 minute ; 60 minute	150	
05-02-00060	Cables for connections to the editing system	Round	
05-02-00061	Dynamic microphone (NEKMIC).	4	
05-02-00062	Video Cassette recorder V.H.S (multi-system)	5	
05-02-00063	Television (multi-system) with remote control .	10	
05-02-00064	Photograph Camer motors , auto focus . (recently) .	3	
05-02-00065	Portable Loudspeakers operate with batteries	5	
05-02-00066	Portable Audio Recorder .	2	

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
05-02-00067	Computer with all the accessories. (recently)	2	
05-02-00068	Laser Printer for teaching .	10	
05-02-00069	Spare parts for all the Audio and Video Equipments .	Round	
05-02-00070	Slide projector with the screens .	5	
05-02-00071	Overhead projector with the screens .	5	
05-02-00072	Editing Unit for Radio Programm	1	
05-02-00073	Data Show	1	
05-02-00074	Overhead Transparencies	10	
05-02-00075	Field Vehicle	10	
05-02-00076	Field Vehicle for video show	2	
05-02-00077	Video Unit 40"	2	
05-02-00078	Field Soil Analysis Unit	5	
05-02-00079	Portable Units to measure grain humidity.	5	
05-02-00080	Tractor	2	
05-02-00081	Tractor mounted sprayer 400 litters .	2	
05-02-00082	Color Photo Copying machine with a computer	1	
05-02-00083	Electric Generator 150 K.V.	2	
	F : Rehabilitation of Phosphate and Nitrogen Fertilizer Plants :		
	Rehabilitation of phosphate fertilizer plant		
05-02-00084	THESE MODELS SHOULD BE DESIGNED TO ALLOW US CONTINUOSLY LEVEL MEASURMENT INDICATE THE ACTUAL LEVEL AND PROVIDE AN ANALOG INDICATION ASWELL AS OPERATION OF SWITCHING CONTACT AT PREDTERMINED LEVEL. THE ((CHEMICAL+THERMAL+ABRASION)) ENVIROMENT OF THE AREA IN WHICH THE INSTRUMENT IS USED SHOULD BE TAKEN IN TO ACCOUNT AND ALSO SIGIFICANT CHANGES CAUSED BY(MOSTURE + CONDENSIT + FUME)) WITH FORM AND LIQUID MOVEMENT CAUSED BY THE AGITATORS.FOR THE RESION ABOVE WE PREFER ((NON CONTACT INSTRUMENTS WITH LIQUID PLEASE FOR MORE INFORMATION SEE BELOW MEASURING RANG :- 1-12 METER FOR INDICATION 5%-100% CURRENT OUT PUT 4-20MA POWER SUPPLY 24 VDC TEMP.OF THE LIQUID 90C DEG. ABOVE LIQUID :- PHOSPHORIC ACID + ROCKPHOSPHET PRESSURE :- OPEN TANK PROTECTION IP66 AMBIENT TEMP 0C DEG -60C DEG	1	
05-02-00085	HANSSON GEAR BOX FOR BENIFICIATION UNIT COMPLETE GEAR BOX TYPE NL24L1 ANN -16 MANUFATURING NO. 15.11084/87 FOR ROCK SLURRY TANK	2	EA
05-02-00086	COMPLETE GEAR BOX TYPE NH24L1 ANN - 16 MANUFATURING NO. 15.11088/90	2	EA

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
05-02-00087	SPARE PART FOR PISTON COMPRESSOR TYPE K160-2B MEDIUM :- NH3 OPERATING SPEED :- 700 RPM SUCTION PRESSURE :- 4.2 BAR SUCTION VOLUME :- 1608 +/- 5% M3/H TEMP. :- 10 DEG. INTERMEDIATE PRESSURE :- 9.2 BAR DISCHARGE PRESSURE :- 16.4 BAR SUCTION TEMP. :- FIRST STAGE :- 80 DEG. DISCHARGE TEMP. :- 120 DEG. NO. OF STAGES :- 2 NO. OF CYLINDER :- 2 KIND OF OPERATING :- DOUBLE ACTING STROKE DIMENSION :- 160 MM		
	PISTON 1ST STAGE COMPLETE	1	EA
	PISTON SKIRT	2	EA
	LOWER HALF OF PISTON	2	EA
	UPPER HALF OF PISTON COMPLETE.	2	EA
	PISTON 2ND STAGE COMPLETE.	1	EA
	PISTON SKIRT	2	EA
	LOWER HALF OF PISTON	2	EA
	UPPER HALF OF PISTON	2	EA
	SET OF SHIMS FOR 1756	4	EA
	SECTION VALVE 1ST	3	EA
	LANTREN	2	EA
	DISTANCE RINGS	38	EA
	DISCHARGE VALVE 1ST STAGE COMPLETE.	4	EA
	LANTREN	2	EA
	SECTION VALVE 2ND STAGE COMPLETE.	2	EA
	LANTREN	2	EA
	DISCHARGE VALVE 2ND STAGE COMPLETE	2	EA
	LANTREN	2	EA
	VALVE DISC	12	EA
	DAMPER DISC	6	EA
	SPLIT PIN FOR KEY (1705)	8	EA
05-02-00088	COMPLETE HORIZONTAL CENTRIFUGAL PUMP TYPE 12/10 FM *LIQUID TO BE HANDLED:- SLURRY AT 40 DEG. *SP. GR. :-1.23 HEAD :- 16.7 M.C.L Q :-860 M/HR NPSH :-5.6 M PUMP SPEED :-700 RPM NO. OF STAGES :- 1 MOTOR POWER :-110 KW MOTOR SPEED :-1500 RPM MATERIAL :- *IMPELLER :-DIA.550 MM C.I RUBBER LINED *INNER CASE :-C.I RUBBER LINED	2	EA

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
05-02-00089	COMPLETE HORIZONTAL CENTRIFUGAL PUMP TYPE 10/8 FM *LIQUID TO BE HANDLED:- SLURRY AT 40 DEG. *SP. GR. :-1.12 Q :-645 M3/HR HEAD :- 16 M.C.L PUMP SPEED :-583 RPM MOTOR POWER :-75KW MATERIAL :- *IMPELLR :-C.I RUBBERE LINED *INNER CASE :-C.I RUBBER LINED	2	EA
05-02-00090	COMPLETE HORIZONTAL CENTRIFUGAL PUMP TYPE 8/6 EAM *LIQUID TO BE HANDLED:- SLURRY AT 40 DEG. *SP. GR. :-1.17 Q :-364 M3/HR NPSH :-3 M HEAD :- 19.2 M PUMP SPEED :-653 RPM MOTOR POWER :-55 KW MOTOR SPEED :-1500RPM MATERIAL :- *IMPELLR :-C.I RUBBERE LINED *INNER CASE :-C.I RUBBER LINED	3	EA
05-02-00091	COMPLETE HORIZONTAL CENTRIFUGAL PUMP TYPE 6/4 DAM *LIQUID TO BE HANDLED:- SLURRY AT 40 DEG. *SP. GR. :-1- 1.14 Q :-148M3/HR NPSH :-1.8 M PUMP SPEED :-779 RPM HEAD :- 17.9 M.C.L MOTOR POWER :-15 KW MOTOR SPEED :- 1500 RPM MATERIAL :- *IMPELLR :-C.I RUBBERE LINED *INNER CASE :-C.I RUBBER LINED	3	EA
05-02-00092	COMPLETE HORIZONTAL CENTRIFUGAL PUMP TYPE 300FL *LIQUID TO BE HANDLED:-GYPSUM SLURRY 20% SOLED	1	EA
05-02-00093	COMPLETE HORIZONTAL CENTRIFUGAL PUMP TYPE 3/2 DHH *LIQUID TO BE HANDLED:-PRCES PHOSPHORIC ACID 54% P2O5 AND 5% SOLED Q :-25 M3/HR PUMP SPEED :-1450 RPM HEAD :- 60M.C.L MOTOR POWER :-45 KW , 1475 RPM MATERIAL ALL PARTES ATTACHED WITH FLUID NUST UB6 MATERIAL	3	EA

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
05-02-00094	COMPLETE HORIZONTAL CENTRIFUGAL PUMP TYPE 4/3 CAM *LIQUID TO BE HANDLED:- 54%P2O5 + 5% SOLED AT 40 - 70 DEG. HEAD :- 30M.C.L Q :-48 M3/HR NPSH :-0.2M MOTOR SPEED :-1450 RPM MOTOR POWER :-30KW MATERIAL ALL PARTES ATTACHED WITH FLUID NUST UB6 MATERIAL	2	EA
05-02-00095	OFF HIGH WAY TRUCKS OF LOADING CAPACITY (60-80) TONS SPECIFICATION:- ----- HAULING HEIGHT UP TO 320 CM (MAXIMUM) DUMPING HEIGHT UP TO 720 CM (MAXIMUM) TRUCK WIDTH (NOT MORE THAN) 350CM (MAXIMUM) LOADING CAPACITY 75 TONS MAJOR TRUCK WIDTH 4900 MM LOADING BODY HEIGHT 4500 MM CAB HEIGHT WITH SHADE 4900 MM TRUCK LENGTH 9010 MM MAJOR DUMPING HEIGHT 9000 MM HEIGHT OF REAR BODY 600 MM FROMGR LEVEL DURING DUMPING. AIR CONDITIONED CAB. ORGINAL SUPPLIER LIKE EUCLID , CATER PILLER	3	EA
05-02-00096	H.V MOTOR, 6.6KV , 1500 R.P.M , 220KW , TYPE :AK355M26, B3, 50MA 19561	2	
05-02-00097	H.V MOTOR, 6.6KV , 1500 R.P.M , 260KW , TYPE:AK355M28, B3, 50MA 19564	2	
05-02-00098	H.V MOTOR, 6.6KV , 750 R.P.M , 755KW , TYPE :AVRT2560L48, V1, 50MA 19561	1	
05-02-00099	H.V MOTOR, 6.6KV , 1500 R.P.M , 295KW , TYPE:AK400L20, B3, S.N:50MA19559	1	
05-02-00100	H.V MOTOR, 6.6KV, 3000 R.P.M , 460KW , TYPE:AK400L14, B3, S.N:50MA19565	1	
05-02-00101	H.V MOTOR, 6.6KV, 1000 R.P.M , 300KW , TYPE:AK400L36, B3, S.N:50MA19558	1	
05-02-00102	VIBRATOR MOTOR TYPE CS260-6 POWER 1.2KW ROTATION 980 RPM, S.N : 710139 FRAME CS260-6 IP 65 (DELTA)/STAR VOLITAGE 220/380V AMP.3.6/2.1 - 50HZ SHAFT ON TWO SIDE HEAVY DUTY STRUCTURE : SHAFT ON TWO SIDE MANUFACTURED BY VIMARC.	6	

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05-02-00103	TYPE: FS800-6 ,4KW ,980 R.P.M FRAME :FS800-6 ,IP;65 ,VOLTAGE 220/380V DELTA/STAR , I=13/7.5 AMP .S.N=709105 ,B3 MOUNTING HEAVY DUTY ,SHAFT ON TWO SIDE MANUFACTURED BY VIMARC. COMPLETE GEAR BOXES +MOTOR +COPLING +	6	
05-02-00104	FLAT GEAR BOX COMPLETE WITH AGITATOR TYPE:- SFG 11-172 SERIAL NO: 30.3717 I=17,2 INLET SPEED 1450 R.P.M AND OUT LET SPEED 85 R.P.M	4	
05-02-00105	MOTOR NOMINAL POWER 37KW TYPE AKN225.7S.04N INSTALLED POWER 22KW , ABSORBED POWER 15KW , VERTICAL ARRANGEMNT IP55	4	
05-02-00106	KIT FLEXIBLE COUPLING	10	SET
05-02-00107	KIT FLEXIBLE COUPLING	10	SET
	GEAR 28X2.5M (7031667)	10	EA
	GEAR 67X2.5M (7031667)	10	EA
	GEAR WITH SHAFT (DIA 8MM) {7036175}	10	EA
	GEAR {7036175}	10	EA
05-02-00108	FLAT GEAR BOX COMPLETE WITH AGITATOR TYPE : -SFG 11-214 SERIAL NO: 30-3718 I-21,2 INLET SPEED :1450 R.P.M OUTLET SPEED :69 R.P.M	4	EA
05-02-00109	MOTOR ABSORBED POWER 11KW INSTALLED POWER 18.5 KW NOMINAL POWER 30KW AKN 200.7L.04N VERTICAL ARANGMENT IP55	10	EA
	GEAR WHEEL M2.5 X Z=24	5	EA
	GEAR WITH SHAFT (DIA 8MM)	10	EA
	GEAR	10	EA
	KIT FLEXIBLE COPLING	10	Set
05-02-00110	GEAR BOX:-DAVID BROWN FOOT MOUNTED IN LINE HELLCON SPEED REDUCER SERIES HD 870 ACTUAL RATIO 9.595/1 CAST IRON BASE STANDARD SHAFT EXTENTION DAVY MKEE STEM NO 3355 SET GEARS	2	EA
		2	Set
05-02-00111	GEAR BOX :- DAVID BROWN H3-450 TRIPLE REDUCER HELICAL GEAR UNIT RATIO 48-796/1 ITEM NO= 3454 SET GEARS	1	EA
		1	Set
05-02-00112	GEAR BOX:- DAVID BROWN REDUCTION HELICAL GEAR REDUCER RATIO 12.958/1 FAN COOLED SIZE H2-250 ITEM NO = 3454 SET GEARS	1	EA
		1	SET

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
05-02-00113	GEAR BOX:- DAVID BROWN 2000 REDICON WARM REDUCER GEAR BOX STANDARD RATIO 10/1 ITEM NO = 3456 SET GEARS	1 1	EA SET
05-02-00114	GEAR BOX:- DAVID BROWN H2-315 FOOT MOUNTED GEAR BOX SPEED RATIO 25.575/1 ITEM NO 3455	1 1	EA Set
05-02-00115	COMPLETE GEAR BOX UNIT AND SPARE PARTS GEAR BOX UNIT ,COMPLET TYPE HA21 AN18 GEAR BOX UNIT ,COMPLET TYPE HA21 BN18 GEAR BOX UNIT ,COMPLET TYPE HB21 AN18 GEAR BOX UNIT ,COMPLET TYPE HB21 BN18 MANUFATURING NO. 15.11084/90 SPARE PART FOR THREE YEARS OPERATION FOR ANY GEAR BOX IN ITEM 1,2,3 AND 4	2 4 2 1	EA EA EA EA
05-02-00116	HORIZONTAL CENTERFUGAL PUMP Q=2.88 M3/H (TO BE ADJESTED 0.92-1.88-2.88 M3/H) H=2.7 BAR LIQUID H2SO4 66 DEG BE TEMP.20 DEG. MOTOR 380/220.1.KW 2770 MOTOR = ECEC	1 1	EA EA
05-02-00117	COMPLETE CENTRIFUGAL HORIZONTAL PUMP COMPLETE NAOH PUMP TYPE :- LEFI BOB 25/3 TURBIN Q = 125MM SECTION UNDER LOAD CAPACITY : 4M3/HR TMH = 20MWG (I.E 2.66 BARS) LIQUID HANDLED = NAOH AT 30% TEMPERATURE = 20"C DEG. SECTION AND DISCHARGE 25MM PN FLANGE :- 6 BAR SEALING = MECHANICAL PACKING MAKE PACIFIC WITH COUPLING CUARD ANDBASE PLATE COMMON FOR FOR PUMP AND MOTORE + SEALING BOLT MOTOR = TYPE AK 807M02N-1.1KW-3000 R.P.M 220/380V-50HZ-IP44-BOX IP54,TYPE B3 INSULATION CLASS F	2	EA
05-02-00118	ALLOY STEEL TUBE FOR GAS TO GAS HEAT EXHANGER SEAMLESS COLD DRAW PIPE MAT :- ACCORDING TO DIN 17175 GRADE 10 CR MO 910 MAT NO :- 1.7380 TEST CERTIFICATE ACCORDING DIN 50049-3.1-B SIZE OF TUBE:- OUT SIDE =38MM WALL THICKNESS =2MM LENGTH MUST BE = 8660MM	DIFF	

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05-02-00117	COMPLETE PUMP AXIAL FLOW PUMP TYPE CAV 1250 FAB 77.17330 D.NO. 225.592/4 WITH GEAR BOX TYPE HTI-ND 22-L1 HANSSSEN- PATENT WITH MOTOR SEMENS TYPE 1LA4186 4AA70Z FORM V6 22KW , 1500 R.P.M MEDIUM :- H3PO4 40 - 50% H2SO4 1-5% H2SiF6 1-3% F GYPSOM 25-40% CAPACITY 5.77-6.5 M3/H RATED POWER 18.4 KW	2	
05-02-00118	SPARE PARTS FOR HYDROSEAL HORIZONTAL (ASH PUMP TYPE GH 9.5 SIZE 20" X20"X40" LIQUID TO BE HANDELD :- INDUS PHOSPHORIC ACID 25-40% GYPSUM Q=4041 M3/HR DIFF. HEAD =5.72 - 7.71 M.C.L 300 RPM MOTOR POWER = 300 KW ,1000 RPM		
	SHELL HALF SECTION SIDE	2	EA
	SHELL HALF ENG.SIDE	2	EA
	MECHANICAL SEAL COMPLETE	6	EA
	SHELL LINER SUCTION-SIDE	6	EA
	SHELL LINER ENG.-SIDE	6	EA
	IMPELLER	3	EA
	SIDE LINER SUCTION SIDE	6	EA
	SIDE LINER ENGINE SIDE	6	EA
	SHAFT SLEEVE	4	EA
	THROAT BUSHING	4	EA
	END COVER	4	EA
	END COVER	4	EA
	BEARING THRUST	4	EA
	O.RING	10	EA
	O.RING	10	EA
	O.RING	10	EA

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
05-02-00119	COMPLETE FAN WITH MOTOR AS PER INFORMATION BELOW FAN ----- TYPE:- 2DX DIA 1485 ARG T 8 REF:- 46009/584 606/77 DESIGN :- CENTRIFUGAL DRAWING NO :- 77-DX-6A OPERATING TEMP. 50C DEG.MAX. ROTATION SPEED :- 1485 R.P.M SHAFT DIA = 100MM MOTOR ----- TYPE :- AK 400L20 MARKER : ACEC NOMINAL POWER :- 295 KW SPEED :- 1489 R.P.M CLASS :- IP55 B3 ELECTRICAL MAIN : 6600 VOLT,3PHASE ,50HZ ELECTRICAL HEATING :- 220V ,200 WATT WITH THERMOSTATE	1	
05-02-00120	COMPLETE HORIZONTAL ACID PUMP.381P01 A/B. TYPE OF PUMP :- CWA 80-40 FAB.NO :- 77-17460 DRAWING NO:- 329-477 Q :- NORMAL:- 59 M3/H RATED :- 80 M3/H H :- 31 M.C.L RPM :- 1470 LIQUID TO BE HANDELED :- H3PO4 54% P2O5 2.5% H2SO4 , 1.2% FLORIN TEMP. :- 85- 90 DEG. DENSITY :- 1.7 NPSH :- 4.8 M CROSSEN / EROSEN CAUSED BY ACIDS GYPSOM K2SiF6 SOLDS	2	EA

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05-02-00121	<p>COMPLETE VERTICAL LIQUID SULPHUR PUMP WITH MOTOR ASPER</p> <p>DATA SHEET BELOW:-</p> <p>OPERATION CONDITION:-</p> <p>-----</p> <p>FLUID :- LIQUID SULPHUR AT 140C DEG.</p> <p>SPECIFIC WEIGHT :- 1.784 KG/DM3</p> <p>FLOW :- 40 M3/HR</p> <p>TOTAL HEAD :- 25 M.C.L</p> <p>DESIGN CONDITION</p> <p>-----</p> <p>DESIGN FLOW :- 40 M3/HR</p> <p>TOTAL PRESSURE RISE :- 26.5 M.C.L</p> <p>PUMP</p> <p>-----</p> <p>PUMP SPEED 1450 R.P.M</p> <p>POWER ABSORBED 7.2KW</p> <p>MOTOR</p> <p>-----</p> <p>MOTOR SPEED 1450 R.P.M VOLTAGE 38V HZ 50</p> <p>ABSORBED POWER 7.2KW ,INSTALLED POWER 12.6KW</p> <p>DIMENSION</p> <p>-----</p> <p>DISTANCE BETWEEN BASE PLATE AND ASPIRATION PIPE 3.3 MTR.</p> <p>MATERIAL AND CONSTRUCTION</p>	2	
05-02-00122	<p>COMPLETE VERTICAL LIQUID SULPHUR PUMP WITH MOTOR</p> <p>ASPER DATA SHEET BELOW:-</p> <p>FLUID :- LIQUID SULPHUR AT 140C DEG.</p> <p>FLOW :- 15 M3/HR</p> <p>TOTAL HEAD :- 39 M.C.L</p> <p>TOTAL PRESSURE RISE :- 44.5 M.C.L</p> <p>POWER ABSORBED :- 7-6 KW</p> <p>INSTALLED POWER :- 11.6 KW</p> <p>MOTOR SPEED :- 2900 R.P.M</p> <p>DISTANCE BETWEEN BASE PLATE AND ASPIRATION PIPE 3 METER</p>	2	

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05-02-00123	<p>FILTER CLOTH FOR DISCHARGE ROLLER</p> <p>CHEMICAL COMPOSITION</p> <p>LENGTH = 43 M</p> <p>WIDTH = 4.32 M</p> <p>BELT FILTER AREA = 50 M2</p> <p>MANUFACTURER : FILTERS PHILIPPE (FRANCE)</p> <p>THE FILTER IS USED FOR ROCK PHOSPHATE FILTERATION</p> <p>TYPE OF FILTER CLOTH = MONO FILAMENT POLYESTER 9623</p> <p>MATERIAL = POLYESTER OR EQUIVALENT</p> <p>REFERENCE NO : 9623</p> <p>CURVED SPREADER ROLL</p> <p>NOTE:-</p> <p>-----</p> <p>OUR REF. 101/3303/100</p> <p>FILTER NO= 3303/90</p> <p>TYPE A50 B40</p> <p>SERIAL NO= 4</p> <p>SPARE PART FOR THREE YEAR OPERATION REQUIRED (FOR COMPELTE FILTER)</p> <p>EQUIPMENT MANIIL. 1/2 . 2/2</p>	DIFF	
05-02-00124	<p>HYDRAULIC SETTING CASTABLE</p> <p>CHEMICAL COMPOSITION</p> <p>AL2O3 > 90%</p> <p>Fe2O3 < 0.3%</p> <p>CAO < 5%</p> <p>Sio2 < 0.5%</p> <p>PHYSICAL CHARACTERISTICS</p> <p>REFRACTORINESS > 40/1900 SK/C DEG.</p> <p>SERVICE TEMPERATURE LIMIT > 1750C DEG.</p> <p>COLD CRUSHING STRENGTH AFTER HEATING TO</p> <p>110C DEG. > 800KG/CM2</p> <p>500C DEG. > 800 KG/CM2</p> <p>1000C DEG.> 850KG/CM2</p> <p>UNIT WEIGHT 3.2 KG/DM3</p> <p>GRAIN SIZE 0-6MM</p> <p>PACKING :- TIN CONTAINERS COMPLETELY CLOSED.</p>	50	TN
05-02-00125	<p>ANTI ACID MORTAR WITH FOLLOWING DESCRIPTION:</p> <p>AL2O3 :- 35%</p> <p>FIRECLAY :- 25%</p> <p>QUARTZ :- 40%</p> <p>FIRE POWDER</p> <p>GRAIN SIZE :- 0-0.5 MM</p> <p>PACKING :- WITH STRONG CLOSED BAGS</p>	30	TON
05-02-00126	<p>ANTI-ACID BRICKS FOR TOWERS OF SULPHURIC ACID PLANT</p> <p>CHEMICAL ANALYSIS:-</p> <p>SIO2 : 68%-75%</p> <p>AL2O3+TIO2:- 21%-27%</p> <p>FE2O3:- 1%-2%</p> <p>PHYSICAL PROPERTIES:-</p> <p>BULK DENSITY:- 2.15 G/CM3</p> <p>POROSITY: <11%</p> <p>WATER ABSORPTION <5%</p> <p>COLD CRUSHING STRENGTH >=600KG/CM2</p>		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	SIZE 240 X 115 X 65 MM	47,100	EA
	SIZE 240 X 115 X 30 MM	15,600	EA
	= 240 X 55 X 50 MM	270	EA
	= 200 X 52 X 40 MM	210	EA
	= 240 X 115 X 40 MM	6,000	EA
	HD3 1/2-50 RADIAL TILES (DRAWING NO.1)	600	EA
	HD3 1/2-60 RADIAL TILES (DRAWING NO.2)	1,050	EA
	D1-50 RADIAL TILES (DRAWING NO.3)	120	EA
	2H6 WEDGES 250 X 123 X 68/62	960	EA
	2H24 WEDGES 250 X 123 X 78/52	420	EA
	SHAPED BRICKS (DRAWING NO.4)	210	EA
05-02-00127	STONE WARE PIPE FOR TOWERS OF SULPHURIC ACID PLANT CHEMICAL ANALYSIS:- SIO2 : 70%-73% AL2O3 20%-25% FE2O3:- 0.8%-1.1% PHYSICAL PROPERTIES:- DENSITY:- POROSITY: 14%-16% WATER ABSORBATION <5% COLD CRUSHING STRENGTH >=600KG/CM2 ACID SOLUBILITY :- 0.7%-0.9% IN WEIGHT		
	DIA.100/130MM X 1M LENGTH	4	EA
	DIA.150/180 X 1MLENGTH	4	EA
	DIA.200/240 X 1M LENGTH	4	EA
05-02-00128	ADHISIVE MATERIAL FOR LINING TOWERS OF SULPHURIC ACID PLANT RHEPANOL-ORG SHEETING TH.1.5MM,WID.1.05MM.ONE ROLL=15M	30	M
	RHEPANOL- PRIMER	20	KG
	RHEPANOL- GLUE PH	20	KG
05-02-00129	FIRE NORMAL BRICKS AL2O3 = 35% SIO2 = 61% Fe2O3 = 1.2% BULK DENSITY = 0.6 gr/cm3 REFRACTORINESS UNDER LOAD = 1250C DEG. POROSITY = 67% COLD CRUSHING STRENGTH = 80kg/cm2 SIZE = 230 X 114 X 64 mm	40 000	EA
05-02-00130	FIRE BRICKS AL2O3 = 40% - 42% SIO2 = 54% - 56% Fe2O3 = 1.9% BULK DENSITY = 2.25 gm/cm3 REFRACTORINESS UNDER LOAD = 1400C DEG. POROSITY = 18% - 20% COLD CRUSHING STRENGTH = 400 - 450 kg/cm2		
	RADIAL BRICKS NO. 1	680	EA
	RADIAL BRICKS NO. 2	3,150	EA
	RADIAL BRICKS NO. 3	1,368	EA
	RADIAL BRICKS NO. 4	380	EA
	RADIAL BRICKS NO. 5	8	EA
	RADIAL BRICKS NO. 7	300	EA
	RADIAL BRICKS NO. 8	450	EA

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	RADIAL BRICKS NO. 9	4	EA
	RADIAL BRICKS NO. 10	2	EA
	RADIAL BRICKS NO. 11	2	EA
	RADIAL BRICKS NO. 12	2	EA
	RADIAL BRICKS NO. 13	2	EA
	RADIAL BRICKS NO. 14	4	EA
	RADIAL BRICKS NO. 15	4	EA
	RADIAL BRICKS NO. 16	4	EA
	RADIAL BRICKS NO. 17	4	EA
	RADIAL BRICKS NO. 18	4	EA
	RADIAL BRICKS NO. 19	4	EA
	RADIAL BRICKS NO. 20	4	EA
	RADIAL BRICKS NO. 21	4	EA
	RADIAL BRICKS NO. 22	4	EA
	RADIAL BRICKS NO. 23	4	EA
	RADIAL BRICKS NO. 24	4	EA
	RADIAL BRICKS NO. 25	4	EA
	RADIAL BRICKS NO. 26	4	EA
	RADIAL BRICKS NO. 27	4	EA
	RADIAL BRICKS NO. 28	4	EA
	RADIAL BRICKS NO. 29	4	EA
	RADIAL BRICKS NO. 30	4	EA
	RADIAL BRICKS NO. 31	4	EA
	RADIAL BRICKS NO. 32	4	EA
	RADIAL BRICKS NO. 33	40	EA
	SIDE ARCH BRICKS CT(24)	536	EA
	SIDE ARCH BRICKS CT(10)	948	EA
	SIDE ARCH BRICKS CT(6)	1,064	EA
05-02-00131	BRAZING-ELECTRODE FOR COPPER-PHOSPHORUS-SILVER FILLER METAL AWS (B CUP-5) NOMINAL COMPOSSTION AG = 1.5% CU = 80%	100	KG
05-02-00132	WELDING ELECTRODE ((HASTE ALLOY CU))		
	O.K 92-35 DIA 2.5MM	200	KG
	O.K 92-35 DIA 3.25MM	250	KG
05-02-00133	WELDING ELECTRODE ((WELD CAST IRON METAL))		
	O.K 92-18 DIA 2.5MM	500	KG
	O.K 92-18 DIA 3.25MM	500	KG
05-02-00134	WELDING ELECTRODE AUSTENITIC RUTTLE (BASIC 20.25,4-5)		
	O.K 69-33 DIA 2MM	200	KG
	O.K 69-33 DIA 2.5MM	300	KG
	O.K 69-33 DIA 3.25MM	400	KG
05-02-00135	WELDING ELECTRODE AUSTENITIC RUTTLE (BASIC 20.25,4-5)		
	O.K 69-33 DIA 2MM	200	KG
	O.K 69-33 DIA 2.5MM	300	KG
	O.K 69-33 DIA 3.25MM	401	KG
05-02-00136	WELDING ELECTRODE AUSTENITIC RUTTLE (BASIC 20.25,4-5)		
	O.K 69-33 DIA 2MM	200	KG
	O.K 69-33 DIA 2.5MM	300	KG
	O.K 69-33 DIA 3.25MM	402	KG
05-02-00137	WELDING ELECTRODE AUSTENITIC RUTTLE (BASIC 20.25,4-5)		

CODE	DESCRIPTION					QUANTITY	UNIT OF MEASURE
	O.K 69-33	DIA 2MM				200	Kg
	O.K 69-33	DIA 2.5MM				300	KG
	O.K 69-33	DIA 3.25MM				403	KG
05-02-00138	WELDING ELECTRODE AUSTENITIC RUTTLE (BASIC 20.25,4-5)						
	O.K 69-33	DIA 2MM				200	Kg
	O.K 69-33	DIA 2.5MM				300	KG
	O.K 69-33	DIA 3.25MM				404	KG
05-02-00139	WELDING ELECTRODE AUSTENITIC RUTTLE (BASIC 20.25,4-5)						
	O.K 69-33	DIA 2MM				200	Kg
	O.K 69-33	DIA 2.5MM				300	KG
	O.K 69-33	DIA 3.25MM				405	KG
05-02-00140	WELDING ELECTRODE AUSTENITIC RUTTLE (BASIC 20.25,4-5)						
	O.K 69-33	DIA 2MM				200	Kg
	O.K 69-33	DIA 2.5MM				300	KG
	O.K 69-33	DIA 3.25MM				406	KG
05-02-00141	WELDING ELECTRODE AUSTENITIC RUTTLE (BASIC 20.25,4-5)						
	O.K 69-33	DIA 2MM				200	Kg
	O.K 69-33	DIA 2.5MM				300	KG
	O.K 69-33	DIA 3.25MM				407	KG
05-02-00142	WELDING ELECTRODE AUSTENITIC RUTTLE (BASIC 20.25,4-5)						
	O.K 69-33	DIA 2MM				200	Kg
	O.K 69-33	DIA 2.5MM				300	KG
	O.K 69-33	DIA 3.25MM				408	KG
05-02-00143	WELDING ELECTRODE AUSTENITIC RUTTLE (BASIC 20.25,4-5)						
	O.K 69-33	DIA 2MM				200	Kg
	O.K 69-33	DIA 2.5MM				300	KG
	O.K 69-33	DIA 3.25MM				409	KG
05-02-00144	WELDING ELECTRODE AUSTENITIC RUTTLE (BASIC 20.25,4-5)						
	O.K 69-33	DIA 2MM				200	Kg
	O.K 69-33	DIA 2.5MM				300	KG
	O.K 69-33	DIA 3.25MM				410	KG
05-02-00145	WELDING ELECTRODE AUSTENITIC RUTTLE (BASIC 20.25,4-5)						
	O.K 69-33	DIA 2MM				200	Kg
	O.K 69-33	DIA 2.5MM				300	KG
	O.K 69-33	DIA 3.25MM				411	KG

	PUMP & CYLINDER SET						
	MODEL	CAPACITY	PUMP	CYLINDER	HOSE		
	HOSE	QTY.					
	NO	TONNES	MODEL	MODEL	MODEL		
	SL-30	30	P-80	RCS-302	HC-913	1.8	5
	SL-50	45	P-80	RCS-502	HC-913	1.8	5
	SL-100	90	P-80	RCS-1002	HC-913	1.8	5
	BHP-30G	30	P-80	RCH-302	HC-913	1.8	1
	BHP-60G	60	P-80	RCH-603	HC-913	1.8	1
HYDRAULIC CYLINDER							

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	CYLINDER MODEL QTY.		
	TONNES NO		

	30 RSM-300 1		
	200 RR-20013 1		
	200 CLL-20010 2		
	500 CLL-50010 2		
	ELECTRIC DRIVE PUMP		

	A-MODEL BPE 30423 2EA		
	B-MODEL BPE 50423 1 EA		
	THE PUMP VALVE OPTIONS FOUR-WAY BVS-4 FOR DOUBLE ACTING CYLINDER		
	GAUGE MODEL NO GGF-200 4EA		
	SPARE PART FOR ALL EQUIPMENT ABOVE		
	MULTI-PURPOSE PULLER SET		
	- MODEL NUMBER BHP-5750G		
	- MAX. TONNE CAPACITY 50		
	- GRID ARMS 2 SET		
05-02-00146	ESAB WELDING EQUIPMENT	1	EA

	HIGH PERFORMANCE THYRISTOR CONTROLLED RECTIFIERS TYPE:		
	LHF 400 2EA		
	LHF 630 1EA		
	LHF 800 1EA		
	TIG-AID 3/S (AC-DC) WITH COMPLETE PIECE OF EQUIPMENT FOR TIG-WELDING 2EA		
	ACCESSORIES		

	PHB1 REMOTE CONTROL UNIT		
	PHC2		
	PHA 2HOT-START UNIT		
	25M CONNECTION CABLE PHB 1/2 ,PHA 2/5		
	ARC-AIR GOUGING TORCH FLAIR 2		
	TORCH FOR TIG-WELDING AND SPARE PART FOR MANUAL ARC.		
	TORCH WELDING 500A		
	TUNGSTEN ELECTRODE.		
	PLASMA CUTTING : TYPE AWAC12		
	ACCESSORIES		

	MECHANIZED CUTTING WITH AGUIDE CARRIAGE		
	CUTTING TORCH PTC 200S		
	CUTTING TORCH PM 200		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
05-02-00147	GAS CUTTING MACHINE CADER2001A-ESAB MAX.TORCH INTERAL ADJUSTMENT =120MM MAX. PARALLET CUT =120MM MIN. PARALLET CUT =60MM MAX. CIRCLE CUT DIA 1800MM MIN. CIRCLE CUT DIA 60MM CUTTING THICKNESS (1 TORCH) =3-125MM CUTTING THICKNESS (2 TORCH) =3-75MM MAX.NUMBER OF TORCH =2 FUEL GASES =PROPANE CONNECTION VOLTAGE =220/50-60V/112 INPUT POWER =55VA ACCESSORIES ----- DRIVING MACHINE CROSS SUPPORT LATERAL GUIDE ROLLER CABLE MAINR ENGLISH DOCUMENTATION ALL NOZZLES TO BE USED CUTTING TORCH WITH INJECTOR TORCH HOLDER HOSES AND CONNECTING PART	1	EA
05-02-00152	UB6 Round Bars		
	UB6 ROUND BARS MTRS NO.1.4539 L= 6M , DIA =	20	M
	UB6 ROUND BARS MTRS NO.1.4539 L= 6M , DIA	20	M
	UB6 ROUND BARS MTRS NO.1.4539 L= 6M , DIA	20	M
	UB6 ROUND BARS MTRS NO.1.4539 L= 6M , DIA	30	M
	UB6 ROUND BARS MTRS NO.1.4539 L= 6M , DIA	50	M
	UB6 ROUND BARS MTRS NO.1.4539 L= 6M , DIA	50	M
	UB6 ROUND BARS MTRS NO.1.4539 L= 6M , DIA	50	M
	UB6 ROUND BARS MTRS NO.1.4539 L= 6M , DIA	56	M
	UB6 ROUND BARS MTRS NO.1.4539 L= 6M , DIA	50	M
	UB6 ROUND BARS MTRS NO.1.4539 L= 6M , DIA	100	M
	UB6 ROUND BARS MTRS NO.1.4539 L= 6M , DIA	68	M
	UB6 ROUND BARS MTRS NO.1.4539 L= 6M , DIA	50	M
	UB6 ROUND BARS MTRS NO.1.4539 L= 6M , DIA	62	M
	UB6 ROUND BARS MTRS NO.1.4539 L= 6M ,	50	M
	UB6 ROUND BARS MTRS NO.1.4539 L= 6M ,	50	M
	UB6 ROUND BARS MTRS NO.1.4539, DIA =210	3	EA
05-02-00153	UB6 HOLLOW BAR		
	UB6 HOLLOW BAR SIZE 40/20MM MAT.NO.1.4539	2	M
	= = = = 45/25MM = = =	2	M
	= = = = 50/25MM = = = L= 6M	6	M
	= = = = 60/30MM = = = L= 6M	6	M
	= = = = 80/45MM = = = L= 6M	12	M
	= = = = 100/60MM = = = L= 6M	12	M
	= = = = 150/110MM = = = L= 6M	12	M
	= = = = 190/150MM = = = L= 6M	6	M
05-02-00154	PLT UB6		
	PLT UB6 2000X1500X2MM PLATE URANUS B6 DIN 1.4539 OR ASTM 904	15	EA
	PLT UB6 2000X1500X3MM PLATE URANUS B6 DIN 1.4539 OR ASTM 904L	15	EA

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	PLT UB6 2000X1500X4MM PLATE URANUS B6 DIN 1.4539 OR ASTM 904L	15	EA
	PLT UB6 2000X1500X5MM PLATE URANUS B6 DIN 1.4539 OR ASTM 904L	10	EA
	PLT UB6 2000X1500X6MM PLATE URANUS B6 DIN 1.4539 OR ASTM 904L	10	EA
	PLT UB6 2000X1500X8MM PLATE URANUS B6 DIN 1.4539 OR ASTM 904L	5	EA
	PLT UB6 2000X1500X10MM PLATE URANUS B6 DIN 1.4539 OR ASTM 904L	5	EA
05-02-00155	PLT 316L		
	PLT 316L 3000 X 1500 X 2MM	75	EA
	= = 3000 X 1500 X 3MM	75	EA
	= = 3000 X 1500 X 4MM	75	EA
	= = 3000 X 1500 X 5MM	75	EA
	= = 3000 X 1500 X 6MM	75	EA
	= = 3000 X 1500 X 8MM	75	EA
	= = 3000 X 1500 X 10MM	50	EA
05-02-00156	PLT HASTEALLOY C4		
	PLT HASTEALLOY C4 3MM	15	EA
	PLT HASTEALLOY C4 4MM	10	EA
	PLT HASTEALLOY C4 6MM	10	EA
05-02-00157	STEAM TRAP FLANGED TYPE: PRESSURE RANG. 1-8 BAR TEMP. 130C-180C DEG. SIZE 1/2" SIZE 3/4"	250 250	
05-02-00158	FIRE FIGHTING VEHICLE WITH TWO CABINATE WATER VESSEL CAPACITY 5000L FOAM VESSEL CAPACITY 2000L POWDER VESSEL CAPACITY 1500KG THE PUMP SHOUDER BE NOT LESS THAN 30 BAR -WITH TWO FIRE FIGHTING GUN. -WITH FOUR NOZELS SOURCE FOR FIRE FIGHTING HOSE	3	EA
05-02-00159	FORK LIFT CAPACITY 10 TON	4	EA

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
05-02-00160	<p>COMPLETE CONTROL VALVE MODEL AZ 1915 BODY : TYPE WEDGE GATE - SIZE : 300MM - END CONNECTION : DN 300 , PN10 ACTUATOR :- MODEL AZ 000.23T ----- 1-PNEUMATIC DUAL ACTION CYLINDER ARRANGMENT WITH AUXILARY AIR TANK 2-PNEUMATIC DUAL ACTION POSITIONER INPUT 0.2- 1 BAR 3-ELECTRO- PNUMATIC CONVERTER INPUT :- 4-20 MA , OUTPUT :- 0.2-1 BAR 4- HAND WHEEL. 5- FAIL POSITION CLOSE SERVICE:- ----- FLUID : H2SO4 98.5% MAX.PRESSURE: 6 BAR MAX.FLOW : 180 M3/H MAX.TEMP : 60C DEG. OPER.VISCOCITY : 13 CP PNEUMATIC DUAL ACTION POSITIONER MAINTENANCE AND PARTS CATALOGUE</p>	4	
		5	
		2	
05-02-00161	<p>SPARE PARTS FOR CONTROL SYSTEM FOR BENIFICATION CONTROLLER 1700RZ MOD 30 WITH HOUSING RECORDER 1700J MOD 30 SYSTEM RECORDER CHART FOR TAYLOR RECORDER 1700S2 CABLE FOR CONTROLLER 1700R TYPE 1750F UNIVERSAL FIELD IN PUT BOARD TYPE 1722E KEY BOARD DX912011 FOR MOD 30 CONTROLLER PORTABLE CONFIGERATOR FOR MOD 30.</p>		
		15	EA
		15	EA
		50	EA
		3	EA
		4	EA
		40	EA
		11	EA
05-02-00162	<p>GLOBE VALVE NOMINAL DIA.DN=15=22 X 3MM.NOMINAL PRESSURE=100BAR.WITH BUTT WELD ENDS DIN 3239 FORM D ACC.TO DIN 2559.FACE TO FACE DIMENSION:- DIN 3202</p>	DIFF.	
05-02-00163	<p>GLOBE VALVE NOMINAL DIA.DN=25=34 X 3MM.NOMINAL PRESSURE=100BAR.WITH BUTT WELD ENDS DIN 3239 FORM D ACC.TO DIN 2559.FACE TO FACE DIMENSION:- DIN 3202</p>	DIFF.	
05-02-00164	<p>GLOBE VALVE NOMINAL DIA.DN=50=60.3 X 4MM.NOMINAL PRESSURE=100BAR.WITH BUTT WELD ENDS DIN 3239 FORM D ACC.TO DIN 2559.FACE TO FACE DIMENSION:- DIN 3202 LINE F2.</p>	DIFF.	

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
05-02-00165	GLOBE VALVE NOMINAL DIA.DN= 80MM.NOMINAL PRESSURE=100BAR.WITH BUTT WELD ENDS DIN 3239 FORM D ACC.TO DIN 2559.FACE TO FACE DIMENSION:- DIN 3202 LINE F2.	DIFF.	
05-02-00166	GLOBE VALVE NOMINAL DIA.DN=100=120 X 7.5MM.THICKNESS NOMINAL PRESSURE PN=100BAR.WITH BUTT WELD ENDS DIN 3239 FORM D.ACC.TO DIN 2559.FACE TO FACE DIMENSION:-	DIFF.	
05-02-00167	GLOBE VALVE NOMINAL DIA.DN=150=176 X 9.5MM.NP=100BAR WITH BUTT WELD ENDS DIN 3239 FORM D.ACC.TO DIN 2559. FACE TO FACE DIMENSION:-3202 LINE F2 DIN 3202 LINE F2	DIFF.	
05-02-00168	GLOBE VALVE DN=200=228 X 11.5MM.NP=100BAR WITH BUTT WELD ENDS DIN 3239 FORM D.ACC.TO DIN 2559. FACE TO FACE DIMENSION:-DIN 3202 LINE F2	DIFF.	
05-02-00169	Y-TYPE GLOBE VALVE DN=200=228 X 11.5MM.NP=100BAR WITH BUTT WELD ENDS DIN 3239 FORM D.ACC.TO DIN 2559. FACE TO FACE DIMENSION:-DIN 3202 LINE F2	DIFF.	
05-02-00170	CHECK VALVE Y-TYPE ND =200, NP=100BAR.WITH BUTT WELD END DIN 3239 FORM D.ACC.TO DIN 2559.BEGINNING SIDE NP 100 SMOOTH FINISH ONE SIDE FLANGE END.	DIFF.	
05-02-00171	CHECK VALVE (NRV) ND=50MM, PN=100.WITH BUTT WELD ENDS ACC TO DIN 2559	DIFF.	
05-02-00172	CHECK VALVE (NRV) ND=80MM , PN=100BAR	DIFF.	
05-02-00173	CHECK VALVE (NRV) STRAIGHT TYPE ND=100MM,PN=100	DIFF.	
05-02-00174	THREE WAY VALVE (MIXING COCK) ND=150MM,PN=100BAR WITH BUTT WELD ENDS DIN 3239 FORM D ACC.TO DIN 2559 FACE TO FACE DIA.DIN =3202 LINE F2	DIFF.	
05-02-00175	THREE WAY VALVE (MIXING COCK) ND=200MM,PN=100BAR WITH BUTT WELD ENDS DIN 2559 FACE TO FACE DIA.DIN 3202 LINE F2	DIFF.	
05-02-00176	GLOBE VALVE DN=15,PN=64 BAR.WITH BUTT WELD ENDS DIN 2559. FACE TO FACE DIA.DIN 3202	DIFF.	
05-02-00177	GLOBE VALVE DN=15,PN=16 BAR.FLANGED END ,TO PN 16 FACE OF END FLANG RF FACE TO FACE DIA..DIN 3202	DIFF.	
05-02-00178	GLOBE VALVE DN=25MM,PN=40 WITH BUTT WELD ENDS DIN 2559.FACE TO FACE DIA.DIN 3202	DIFF.	
05-02-00179	GLOBE VALVE DN=50MM,PN=16 BAR,END FLANGS TO 16 BAR	DIFF.	

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
05-02-00180	GLOBE VALVE DN=80MM,PN=100BAR,FLANGED ENDS TO 100BAR.FACE TO FACE LENGTH L=380MM.	DIFF.	
05-02-00181	CHECK VALVE ND 80MM.PN=100 BAR.FLANGED ENDS TO PN=100,L=380MM	DIFF.	
05-02-00182	GLOBE VALVE DN=200MM=228 X 11.5,PN=100BAR.ONE END WITH BUTT WELD TO DIN 2559.ANOTHER END WITH FLANGE DRILLED TO PN=100 BAR.FACE TO FACE L=650MM	DIFF.	
05-02-00183	GLOBE VALVE FOR STEAM ND=15MM=1/2" PN=16BAR FLANGED DRILLED PN 16.	DIFF.	
05-02-00184	GLOBE VALVE FOR STEAM ND=20MM=3/4" PN=16BAR FLANGED DRILLED PN 16.	DIFF.	
05-02-00185	1.2KW ,980 R.P.M ,220/380V DELTA/STAR ,3.6/2.1 A VIBRATOR MOTOR HAVING SHAFT FRAM TWO SIDES WITH BALANCING WEIGHT TYPE :CS260-6,B3 MOUNTING IP65.	3	
05-02-00186	4KW ,980 R.P.M ,220/380V ,DELTA/STAR ,13/7.5A,VIBRATOR MOTOR HAVING SHAFT FRAM TWO SIDES WITH BALANCING WEIGHT TYPE :FS800-6 ,B3 MOUNTING IP65.	2	
05-02-00187	1.5KW ,3000 R.P.M ,V1 MOUNTING ,DELTA/STAR 220/380V,5-7/3-3A, TYPE MT90S24F115-2 ,IP55	1	
05-02-00188	4.2KW ,1500 R.P.M DRUM MOTOR,380V,TYPE: R90DT-112M4 IP55	2	
05-02-00189	5.5KW ,1500 R.P.M ,B3,380V,TYPE: D 132S, IP55	2	
05-02-00190	15KW,1500 R.P.M,FRAME V1/160L,TYPE:1LA3 166-4AA4-2,380V,IP55	2	
05-02-00191	7.4KW,1500/39 R.P.M DRUM MOTOR,380V/660V,TYPE:JOKI65N 17.5/10A,IP55	2	
05-02-00192	18.5KW,1000 R.P.M,FRAME B3/180L,TYPE:1LA4 186, IP55	1	
05-02-00193	18.5KW,1500 R.P.M,B3,380V,TYPE:BF5-160L62,	3	
05-02-00194	22KW,1500 R.P.M,B3,380V,TYPE: FA180LX34	2	
05-02-00195	22KW,1500 R.P.M,B3,SLIP RING MOTOR ,220/380V,DELTA/STAR TYPE FB200LV/4 IP55	1	
05-02-00169	60/14.5KW,1475/730 R.P.M,FRAME B3/280 S,380V,	2	
05-02-00197	110KW,1500 R.P.M,FRAME B3/280M,380V,S.N:H717L, IP55	2	
05-02-00198	0.75KW,1500 R.P.M,B3,DELTA/STAR,220/380V,3.6/2.1A,IP55	5	
05-02-00199	150KW,1500 R.P.M,B3,380V,FRAME D315M,IP55	1	
05-02-00200	75KW,1500 R.P.M,B3,220/380 DELTA/STAR SLIP-RING ,S.N:15392/1	1	
05-02-00201	132KW,B3,380V DELTA CONNEC.1475 R.P.M,TYPE:FA315M4 ,IP55	1	
05-02-00202	22KW,380V,B3/5,1460 R.P.M,TYPE:FA180L4 ,IP55	1	
05-02-00203	7.5KW,380V,1445 R.P.M,TYPE:FA132M/4 ,B3,IP55	1	
05-02-00204	160KW,380V,1480 R.P.M,B3,TYPE:FA335L/4 ,IP55	1	
05-02-00205	4KW,380V,B3,2850 R.P.M,IN=8.7 AMP	1	

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
05-02-00206	4KW, 380V, B3, 2850 R.P.M, IN=8.7 AMP DC MOTOR, 72KW, MAKE : SIEMENS ARMATURE VOLTAGE : 440VMAX, DC FIELD VOLTAGE: 310V, ADJUSTABLE SPEED 1000 R.P.M, V1, IP55, WITH TACHO GENERATOR , AND WITH FLANGED. TYPE : GF315-M4.1 NO.124939/40 SCHALTBILD : MSB4-474-09 INSULATION CLASS : F SPEED VARIABLE : 300-1000 R.P.M DRIVEN EQUIPMENT : SLURRY TO FILTER PUMP COUPLING : DIRECT SERVICE CONDITION : 50C DUTY 24 HR STARTING METHOD : FROM THYRISTOR UNIT	1	
05-02-00207	TRANSMISSION SHAFT, TURBOFLEX. TYPE : GC/CTF 530-LENGTH 2250MM SHIMS 180 X 180 X 0.3 MM SPRING STEEL PLUMMER BLOCK SKFN SNA519TA BOLT + NUTS+ BOUSH GEAR REDUCERS WITH SHAFT SPEED REDUCTION 11/146 TYPE: HAUSEN NH24 BNR OIL BATH FANS TYPE HELICOIDAL HOOF BLADS 3 DIAMETER 9.9M SPEED 134 R.P.M POWER ABSORBED & AT MOTOR SHAFT INDIVIDUAL 195 KW	3 420 3 150 3 1	Set EA Set EA EA Set
05-02-00208	CARBON BRICKS-EQUIVELENT TO DIDIER-NERACID-Z CHEMICAL ANALYSIS:- PITCH COKE ; 92%-94% ASES : 6%-8% PHYSICAL PROPERTIES:- BULK DENSITY :- 1.45 G/CM3 POROSITY :- <25% BY VOL. WATER ABSORPTION :- <17% BY WEIGHT COCOLD CRUSHING STRENGTH:- 350-450 KG/CM2		
	250 X 123 X 65 MM	10,000	EA
	250 X 120 X 65 MM	1,000	EA
	250 X 123 X 30 MM	3,000	EA
	250 X 80 X 65 MM	2,000	EA
	240 X 115 X 65 MM	23,000	EA
	240 X 115 X 40 MM	6,000	EA
	240 X 138 X 40 MM	100	EA
	200 X 52 X 40 MM	100	EA
	229 X 114 X 76 MM	2,000	EA
	SHAPE NO.1 DRAWING NO.321-A-0114/1	275	EA
	SHAPE NO.2 DRAWING NO.321-A-0114/1	275	EA
	SHAPE NO.3 = =	75	EA
	SHAPE NO.4 = =	75	EA
	SHAPE NO.5 = =	550	EA
	SHAPE NO.6 = =	40	EA
	SHAPE NO.7 = =	22	EA

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	SHAPE NO.8 = =	26	EA
	SHAPE NO.9 = =	215	EA
	SHAPE NO.10 DRAWING NO 2	70	EA
	SHAPE NO.11 DRAWING NO 2	170	EA
	SHAPE NO.12 DRAWING NO 2	320	EA
	RESACID - CL TWO COMPONENT BEDDING AND JOINTING CEMENT COLD SETTING LIQUID PHENOLIC RESIN USED FOR BEDDING AND JOINTING FOR ACID RESISTANT BRICK WORK AND TILES IN PHOSPHORIC ACID PLANT P2O5 54% SERVICE TEMPERATURE 170C-180C DEG.		
	RESACID-CL SOLUTION,ASPECT,BROWN LIQUID PACKING IN DRUMS OR CANS	600	KG
	RESACID-CL POWDER,ASPECT, BLACK GRANUAL POWDER PACKING IN BAGS.	1,000	KG
	ANCORLUTE P.E FLEXIBLE PITCH EPOXY TYPE EXPANSION JOINT FOR PHOSPHORIC ACID PLANT P2O5 54% SERVICE TEMPERATURE 170C-180C DEG. PACKING DESCRIPTION ANCORLUTE P.E IS SUPPLIED IN A 4KG KIT AND AS FOLLOW: PART 1 CONTAINING HARDENER IN 5 LITRE METAL CONTAINER PART 2 LIQUID RESIN CONTAINED IN A PLASTIC CONTAINER THE FILLER IN A POLYTHENE BAG.	500	KG
	STELLALIT VF 60 BITUMEN:- 40% BARITE:- 40% CARBON POWDER:- 20% STELLALIT VF60 BEDDING COMPOUNDS FOR ACID RESISTANT BRICKS AND TILES OF PHOSPHORIC ACID PLANT,P2O5 54% SERVICE TEMPERATURE 170C-180C DEG. PACKING:- ----- STELLALIT VF60 ASPECT,GREY GRANULAR POWDER PACKING IN BAGS. STELLALIT VARNISH ASPECT BLACK LIQUID PACKING IN DRUMS OR CANS STELLALIT V60 BITUMEN:- 30% BARITE:- 40% CARBON POWDER:- 30% BEDDING COMPOUNDS FOR ACID RESISTANT BRICKS AND TILES OF PHOSPHORIC ACID PLANT P2O5 54% SERVICE TEMPERATURE 170C-180C DEG. PACKING:- -----	2000	KG
		2000	KG

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
05-02-00209	TRANSMITTERS FOR FERTILIZER BELTWEIGHER SYSTEM SUPPLY :- 110V-50HZ INPUT TO THE TRASIMITTER (0-50MV) FROM THE LOAD CELL OUT PUT TO LOAD CELL (10-15V) OUT PUT FROM TRANSMITTER TO CONTROL ROOM :-4-20MA OUT PUT FROM TRANSMITTER TO THE TOTALIZER (0-100 PULS/MIN ENCLOSURE CLASS IP65 MOUNTING :- BELT WEIGHER SYSTEM FOR FERTILIZER AMBIENT TEMP:- _10+50DEG. NOTE:- -----	4	EA
05-02-00210	SPARE PARTS FOR COOLING WATER FANS FOR PHOSPHORIC ACID PLANT A=BLADES TYPE PFT DIA:- 3.658 M ROTATING SPEED :- 306 RPM BLOWED AIR FLOW :- 108 M3/SEC TEMP. :- 30.4 DEG. PITCH OF BLADE :- 16.5 DEG. POWER OF MOTOR :- 44.9 KW	420	EA
05-02-00211	COMPLETE DAVID BROWN FOOT MOUNTED INLINE HELICON SPEED REDUCER SERIES HD 870 ACTUAL RATIO;- 9.595/1 CAST IRON CASE STANDARD IN PUT AND OUT PUT SHAFT EXTENTION. INPUT COUPLING SERIES 61204	3	EA
05-02-00212	SAME ABOVE A1 BUT INPUT COUPLING SERIES 61204	2	
05-02-00213	SAME ABOVE A1 BUT INPUT COUPLING SERIES 61104	3	
05-02-00214	SAME ABOVE A1 BUT INPUT COUPLING SERIES 61105	2	
05-02-00215	CONCENTRATION :- 94.5 TO 99% H2SO4 TEMPERATURE :- 80C-120C DEG. MAXIMUM PRESSURE ;- 6KG/CM2 BADY :- G.G.G 40.3 BADY LINING :- PTFE FOR DIA 150 AND 300 BADY LINING :- FEB FOR DIA 400MM CONTROL BY REDUCTION GEAR BTV VALVE DIA 150MM TYPE D 107/WG SUPPLIER DRAWING NO :305116T389351A	10	EA
05-02-00216	BTV VALVE DIA 300MM TYPE D 107/WG	10	EA
05-02-00217	BTV VALVE DIA 400MM TYPE JT 813535, SUPPLIERS DRAWING NO:ST2-2016/38935A	5	EA
05-02-00218	COMPLETE BLOWER MODEL:- SERIAL NO 1-050-052-058 YEAR OF MANUF. 1977 DRAWING NO:- 1050017 0034(0)	1	EA

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
05-02-00219	VOITH HEAVY DUTY SPUR GEAR BOX SERIES AD 31.5 CODE WORD :- KUHNLE 693 NUMBER OF GEAR UNIT :- H 17-C45-651 CAPACITY :- 2150 KW SPEED RATIO :- 1480/5200 R.P.M CONVEYING CAPACITY OF OIL PUMP : 204 L/MIN SEPARATE OIL REMOVAL :- 100 L/MIN OIL REQUIREMENTS OF GEAR BOX :- 104 L/MIN OPERATING PRESSURE :- 2.5 + 0.5 BAR MIN OIL PRESSURE :- 1.5 BAR WARM REMOVAL :- 28KCAL/HOURE OIL INLET TEMP. :- 45C DEG.	3	EA
05-02-00220	V-Belt SPC		
	V-BELT SPC 6000X22	200	
	V-BELT SPC 5300X22	500	
	V-BELT SPC 5600X22	150	
	V-BELT SPC 3350X22	300	
	V-BELT SPC 4000X22	150	
	V-BELT SPC 2500X22	200	
	V-BELT SPC 2800X22	100	
	V-BELT SPC 2720X22	200	
	V-BELT SPC 4750X22	100	
	V-BELT SPC 3150X22	100	
05-02-00221	V-Belt SPA		
	V-BELT SPA 1534X13	200	EA
	V-BELT SPA 1625X13	200	EA
	V-BELT SPA 1650X13	200	EA
	V-BELT SPA 1700X13	200	EA
	V-BELT SPA 1600X13	200	EA
	V-BELT SPA 1500X13	200	EA
	V-BELT SPA 1854X13	300	EA
	V-BELT SPA 1550X13	200	EA
	V-BELT SPA 1800X13	200	EA
	V-BELT SPA 1432X13	100	EA
	V-BELT SPA 1890X13	80	EA
	V-BELT SPA 1350X13	100	EA
05-02-00222	V-belt SPB		
	V-BELT SPB 2120X17	200	EA
	V-BELT SPB 2720X17	100	EA
	V-BELT SPB 2500X17	200	EA
	V-BELT SPB 2300X17	200	EA
	V-BELT SPB 5000X17	100	EA
	V-BELT SPB 1700X17	300	EA
	V-BELT SPB 1850X17	300	EA
	V-BELT SPB 1800X17	300	EA
	V-BELT SPB 2060X17	200	EA
	V-BELT SPB 2800X17	100	EA
	V-BELT SPB 2020X17	200	EA
	V-BELT SPB 4000X17	100	EA
	V-BELT SPB 1750X17	200	EA
	V-BELT SPB 1450X17	100	EA
	V-BELT SPB 2240X17	50	EA
	V-BELT SPB 2100X17	200	EA
	V-BELT SPB 2000X17	200	EA

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	V-BELT SPB 1200X17	50	EA
	V-BELT SPB 1625X17	200	EA
	V-BELT SPB 3150X17	100	EA
	V-BELT SPB 1650X17	200	EA
	V-BELT SPB 1880X17	100	EA
	V-BELT SPB 1760X17	100	EA
	V-BELT SPB 2620X17	100	EA
	V-BELT SPB 5070X17	50	EA
	V-BELT SPB 1600X17	200	EA
	V-BELT SPB 4750X17	80	EA
	V-BELT SPB 2720X17	50	EA
	V-BELT SPB 1900X17	100	EA
	V-BELT SPB 1950X17	200	EA
05-02-00223	BOLTS HEXAGONAL HEAD PARTIALY THREAD HEAT THREATED DIN 931 CARBON STEEL 8.8 WITH NUT		
	M6 X 40MM	1,000	EA
	M6 X 50MM	1,000	EA
	M6 X 60MM	1,000	EA
	M8 X 30MM	1,500	EA
	M8 X 40MM	1,000	EA
	M8 X 50MM	1,000	EA
	M8 X 60MM	1,000	EA
	M10 X 30MM	2,000	EA
	M10 X 40MM	1,000	EA
	M10 X 50MM	1,500	EA
	M10 X 60MM	1,500	EA
	M10 X 70MM	1,000	EA
	M12 X 30MM	2,000	EA
	M12 X 40MM	1,000	EA
	M12 X 50MM	3,000	EA
	M12 X 60MM	3,000	EA
	M16 X 50MM	4,000	EA
	M16 X 60MM	4,000	EA
	M16 X 70MM	4,000	EA
	M16 X 80MM	4,000	EA
	M20 X 60MM	1,500	EA
	M20 X 70MM	1,500	EA
	M20 X 80MM	3,000	EA
	M20 X 90MM	2,000	EA
	M20 X 100MM	1,500	EA
	M24 X 80MM	3,000	EA
	M24 X 100MM	2,000	EA
	M24 X 130MM	1,000	EA
	M24 X 160MM	1,000	EA
	M27 X 100MM	500	EA
	M27 X 120MM	500	EA
	M27 X 140MM	500	EA
	M27 X 150MM	1,500	EA
	M27 X 200MM	500	EA
	M30 X 80MM	500	EA
	M30 X 100MM	1,000	EA
	M30 X 120MM	500	EA
	M30 X 140MM	500	EA
	M30 X 160MM	1,000	EA

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
05-02-00224	HEXAGONAL HEAD BOLTS WITH NUTS MATERIAL =X2CRN1M01810 DIN 931 S.STEEL 316L PARTIALY THREAD		
	M6 X 30MM	1,000	EA
	M6 X 50MM	1,000	EA
	M8 X 30MM	1,000	EA
	M8 X 50MM	1,000	EA
	M8 X 80MM	1,000	EA
	M10 X 30MM	1,000	EA
	M10 X 50MM	1,000	EA
	M10 X 80MM	1,000	EA
	M10 X 100MM	1,000	EA
	M12 X 40MM	1,000	EA
	M12 X 50MM	1,000	EA
	M12 X 60MM	1,000	EA
	M12 X 80MM	1,000	EA
	M12 X 100MM	1,000	EA
	M16 X 60MM	1,000	EA
	M16 X 80MM	1,000	EA
	M16 X 100MM	1,000	EA
	M18 X 80MM	1,000	EA
	M18 X 100MM	500	EA
	M18 X 120MM	500	EA
	M20 X 80MM	800	EA
	M20 X 100MM	1,000	EA
	M20 X 120MM	1,000	EA
	M24 X 100MM	500	EA
	M24 X 150MM	500	EA
	M30 X 100MM	500	EA
05-02-00225	HEXAGONAL BOLTS WITH NUTS MAT-URANIUS-UB6- DIN931 DIN=14539 GRADE (20-25-4)		
	M8 X 50MM	500	EA
	M8 X 60MM	500	EA
	M8 X 80MM	500	EA
	M8 X 70MM	500	EA
	M5 X 40MM	1,000	EA
	M5 X 50MM	2,000	EA
	M5 X 60MM	1,000	EA
	M10 X 100MM	500	EA
	M10 X 80MM	500	EA
	M10 X 50MM	500	EA
	M12 X 60MM	500	EA
	M12 X 80MM	500	EA
	M12 X 100MM	500	EA
	M16 X 70MM	500	EA
	M16 X 70MM	500	EA
	M16 X 100MM	500	EA
	M18 X 120MM	500	EA
	M20 X 80MM	500	EA
	M20 X 50MM	300	EA
	M20 X 120MM	300	EA
	M20 X 150MM	300	EA
	M20 X 180MM	200	EA
	M20 X 75MM	200	EA
	M20 X 90MM	200	EA
	M20 X 100MM	300	EA

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	M22 X 110MM	300	EA
05-02-00226	SPARE PARTS FOR PRAYON FILTER MODEL 30/165 ROLLER ROLLER CONTROL LEVER FOR CELL COMPLETE DISTRIBUTOR INVERTING TRAK SPRING		
05-02-00227	Spare parts for electrical installations		
	THERMAL OVERLOAD (5-8) AMPS	50	EA
	= = (7-10) AMPS	50	EA
	= = (15-20) AMPS	50	EA
	= = (25-35) AMPS	50	EA
	= = (37-40) AMPS	50	EA
	TIMER RELAY OKTA, 220VAC, 5S	50	EA
	= = = = 15S	25	EA
	= = = = 60S	30	EA
	= = = = 18S	40	EA
	ELECTROMAGNETIC PROXIMITY DETECTOR	15	EA
	SX2-DF26, 8VDC		
	MAIN CINTACT FOR CONTACTOR R250	100	ST
	MAIN CINTACT FOR CONTACTOR CBA 75	150	ST
	CONTACTOR TYPE CN2-HC133 ,220VAC COIL.	20	EA
	CONTACTOR TYPE LC1-D403 ,220VAC COIL.		
	THERMAL OVER LOAD (11-15) AMPS	50	EA
	TIMER RELAY BLOCK (0.1-30) S ON DELAY	25	EA
	CIRCUIT BREAKER TYPE DTUF100RN (48/63)AMPS	20	EA
	COMPLETE CIRCUIT BREAKER DSA1.4000	1	EA
	CONTACTOR S500, COIL 220 VAC	3	EA
	CONTACTOR S210, COIL 220 VAC	2	EA
	CONTACTOR S32, COIL 220 VAC	15	EA
	THERMAL OVERLOAD DH32 (2-4)AMPS	10	EA
	THERMAL OVERLOAD DH43 (25-50)AMPS	10	EA
	THERMAL OVERLOAD DH58 (32-64)AMPS	10	EA
	THERMAL OVERLOAD DH89 (60-90)AMPS	5	EA
	RELAY OKN, 220VAC	25	EA
	BI STABLE RELAY OKB1, 220VAC	10	EA
	TRANSFORMER 380/220, 1KVA	2	EA
	UNDER VOLTAGE RELAY TTG 7113, 50-100%	5	EA
	EARTH VOLTAGE RELAY 1 TG7113 0.1/0.4 IN	5	EA
	COMPLETE CICUIT BREAKER S313MW00, 380V, 50HZ, 2835A, COIL 220 VAC	1	EA
	SAFETY START UNIT POWER 55KW, 104A, 415V, 220VAC CONTROL	8	EA
	SAFETY START UNIT POWER 75KW, 150A, 415V, 220VAC CONTROL	2	EA
	DOUBLE THYRISTOR KKT 161/12EZ	10	EA
	UNDER VOLTAGE RELAY TYPE 252-PVW-27, 3PHASE	3	EA
	EARTH FAULT RELAY TYPE MCAG14 10-40/SETTING	3	EA
	OVER CURRENT & EARTH FAULT RELAY TYPE IDMT, MCG6, 82	3	EA
	TIMER RELAY CR4/22E+PTE (0.1-30S), 220VAC	3	EA
	FUSE BASE KNIFE TYPE, SIZE 0, 125A, WITH LIMIT SWITCH	5	EA
	FUSE BASE KNIFE TYPE, SIZE 1, 125A, WITH LIMIT SWITCH	5	EA
	FUSE BASE KNIFE TYPE, SIZE 2, 125A, WITH LIMIT	3	EA

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	SWITCH		
	ONLOAD SWITCH, 3P, 660V, 32A	4	EA
	ONLOAD SWITCH, 3P, 660V, 63A	5	EA
	ONLOAD SWITCH, 3P, 660V, 125A	5	EA
	ONLOAD SWITCH, 3P, 660V, 160A	5	EA
	ONLOAD SWITCH, 3P, 660V, 250A	3	EA
	ONLOAD SWITCH, 3P, 660V, 400A	2	EA
	ONLOAD SWITCH, 3P, 660V, 1600	1	EA
	COMPELETE CIRCUIT BREAKER TYPE NZM 9/250, 220V	10	EA
	ELECTRONIC TIMER ETR 5-60S, 220VAC	10	EA
	ELECTRONIC TIMER ETR 5-10S, 220VAC	10	EA
	CONTACTOR DIL0A-22, 11KW, 220VAC COIL	20	EA
	CONTACTOR 3TB50170A, 6, 5KW, 220VAC.	20	EA
	VOLTAGE REGULATOR WITH THREE FUNCTIONS TYPE N3-III-3F FOR DIESEL GENARTOR.		
	POWER FACTOR REGULATOR CONTROL COS Q FOR DIESEL GENERATOR.	2	EA
	COMPLETE DRAWER WITH ALL ITS COMPONENTS MOTOR 22KW	4	EA
	COMPLETE DRAWER WITH ALL ITS COMPONENTS MOTOR 31.2KW	5	EA
	FUSED ISOLATOR TYPE SF-EL, 50A	3	EA
	FUSED ISOLATOR TYPE SF-EL, 125A	5	EA
	CONTACTOR CA3F2, 18.5 KW, 220VAC COIL	3	EA
	CONTACTOR CA4F3, 37KW, 220VAC COIL	5	EA
	CONTACTOR CA5D2, 132KW, 220VAC COIL	3	EA
	CONTACTOR CA5D1, 90KW, 220VAC COIL	3	EA
	PHASE SEQUCNCE RELAY	5	EA
	PHASE FAILURE RELAY	5	EA
	CURRENT TRANSFORMER, 3VA, TYPE M070, 300/1 AMPS	5	EA
	OVAR CURENT & EARTH FAULT MCGC82HG	3	EA
	PHASE SEQUENCE RELAY TYPE A1942.001, 380VAC	3	EA
	CURRENT TRANSFORMER TYPE RS 2500/5, 5VA, TA24 0.75KV , 50-60HZ	2	EA
	CURRENT TRANSFORMER TYPE RS 2500/1, 5VA, TA24 0.75KV , 50-60HZ	42	EA
05-02-00228	Electrical Equipments		
	H.V POWER FUSE 63A, 7.2KV , H.57X260, 785.214F	24	EA
	H.V POWER FUSE 80A , 7.2KV, H.57X260, 780.241F	24	EA
	H.V POWER FUSE 100A , 7.2KV, H.85X440, 785.501D	24	EA
	H.V POWER FUSE 125A , 7.2KV, H.85X440, 785.502D	18	EA
	H.V POWER FUSE 160A , 7.2KV, H.85X440, 785.503D	18	EA
	CIRCUIT BREAKER 2A, 3P, 3D, F32	10	EA
	CIRCUIT BREAKER 5A, 3P, 3D, F32	10	EA
	DISCONNECTING CONTACT FINGER P500D, DRAWING NO.REF 13	10	EA
	RELAY ITM 7731 5A, 110V, DC	5	EA
	RELAY ITM 7721 1A, 110V, DC	5	EA
	RELAY ITM 7721 5A, 110V, DC	5	EA
	RELAY ITM 7119, 5A, 0.4 SEC.	5	EA
	RELAY ITM 7119, 5A, 6-60 SEC.	5	EA
	RELAY ITM 7119, 5A, 15-150 SEC.	5	EA
	RELAY FLAG R140 110V DC.	5	EA
	H.V BUSHING INSULATOR 6.6KV, 250A	6	EA
	L.V BUSHING INSULATOR 0.4KV, 1000A	6	EA
	H.V BUSHING TYPE 15 E250	6	EA

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	H.V BUSHING FOR TRANSF.23MVA, 250KV, 1250A, TYPE UTXF52.	6	EA
	L.V BUSHING ASSY.DIN 42533 FOR TRANSF.23MVA ORV 23/70.	6	EA
	OIL LEVEL INDICATOR WITH TWO NORMALLY OPEN CONTACT.	2	EA
	MAGNETIC OIL LEVEL INDICATOR TYPE I45 WITH TWO CONTACT.	3	EA
	6.6KV INSULATORS FOR MAIN TERMINAL MOTORS 2150KW	2	SET
	TYPE AVR2630		
	C.T 1000/5,5,5 A	6	EA
	P.T 6600/1.732 / 110/1.732 / 110/1.732	6	EA
	VOLTAGE SUPERVISION RELAY TYPE WK3-2 WITH 2 SWITCH	4	EA
	POINTS FOR UNDER AND OVER		
	CURRENT RELAY TYPE 1WN 2/3 CURRENT RANGE 2.5-TIME RANGE 5-45 SEC.	4	EA
	CURRENT RELAY 2.5-6A,5-45 SEC. TYPE JWU 2/3, IN:3X5A	4	EA
	CURRENT RELAY TYPE 1WK 2/3	4	EA
	TYPE CET2-08-5A 110V DEC 02F	4	EA
	CURRENT RELAY 63A 6.6KV,TYPE ZEWWL-SER NO=78/1840503	4	EA
	RELAY TYPE POK-110V	4	EA
05-02-00229	RO WATER TRETMENT SYSTEM (REVERS OSMOS	1	EA
	Rehabilitation of Nitrogen Fertilizer Plants (Plant No. 1)		
05-02-00230	WASTE HEAT BOILER BUNDLE FOR NH3 PLANT1000 TON/DAY. BUNDLE SPEC. S.A 850M3 TUBE MAT. STBA24, NO. OF TUBES 1039U PRESSURE 80 KG KM2 TEMP 969C.	1	SET
05-02-00231	HEAT EXCHANGER TUBES 19.0MMO.D * 1.6MMTH	60,000	M
05-02-00232	CATALYST FOR NH3 PLANT 1.REFORMING CATALYST TOPSOE (RKSI) OR EQUIV. (17%N10). 2.H.TEMP CO. CONVERSION SUD CHEMIE OR EQUIV (Fa2O3 80%WT) (Cr2O3 8.5%WT) (Cu2%WT) 3.LTS CATALYST SUD CHEMIE OR EQUIV .CuO 42% ZnO 47% AL2O3 11%	25 60 60	M3 M3 M3
05-02-00233	PLATE INCOLLOYFOR WASTE HEAT BOILER FOR NH3 PLANT WITH SPEC 6MMTh MATERIAL INCOLLOY 800	10	M2
05-02-00234	PIPES WITH DIFFERENT SIZE& MATERIAL SUS304,8 "SCH20 10"SCH20	20	TON
05-02-00235	FERRULES FOR UREA STRIPPER OF UREA PLANT 1600T/DAY SPECIFICATION: 2RE69 SANDVICK (25Cr/22Ni/2Mo)25.4DIAM 4.2t L525mm	3,624	PCS
05-02-00236	ROUND BAR a.SUS310/DIAM25/DIAM10/DIAM 8mm) b.SUS 304/316DIAM.150mm	1 1	TON TON
05-02-00237	HEXAGONAL BAR WITH SIZE 30mmDIAM MATERIAL SUS 316 LMOD	7	TON
05-02-00238	WELDING ROD TITANIUM 3,2& 4.0mm DIAM	1	TON

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	Rehabilitation of Nitrogen Fertilizer Plants : (Plant No. 2)		
05-02-00239	PRIMARY WASTE HEAT BOILER (101C) DUE TO FREQUENT FAILURES ORIGINATING FROM THE PRIMARY WASTE HEAT BOILER (101C) THE FOLLOWING REQUIRMENTS TO BE DONE 1- SEEKING AN EXPERTISE IN SUCH PROCESS WITH DESIGN AND OPERATING EXPERIENCE TO STUDY THE PROBLEMS ASSOCIATED WITH PERFORMANCE OF THE WASTE HEAT BOILER. 2- DESIGN AND ENGINEERING NEW WASTE HEAT BOILER. 3- NEW WASTE HEAT BOILER SUPPLIES 4- FIELD SUPERVISION DURING ERECTION AND COMMISSIONING OF THE NEW WASTE HEAT BOILER .		
05-02-00240	SPARE PARTS FOR FEED GAS COMPRESSOR 102J (BCL 358)		
	THRUST COLLER SHIM	1	NO.
	O.RANG	3	NO.
	O.RANG	4	NO.
	IMPELLER EYE LABYRINTH	1	NO.
	IMPELLER EYE LABYRINTH	1	NO.
	IMPELLER EYE LABYRINTH	1	NO.
	IMPELLER EYE LABYRINTH	1	NO.
	IMPELLER EYE LABYRINTH	1	NO.
	IMPELLER EYE LABYRINTH	1	NO.
	IMPELLER EYE LABYRINTH	1	NO.
	IMPELLER EYE LABYRINTH	1	NO.
	INTER STAGE LABYRINTH	1	NO.
	INTER STAGE LABYRINTH	1	NO.
	INTER STAGE LABYRINTH	1	NO.
	INTER STAGE LABYRINTH	1	NO.
	INTER STAGE LABYRINTH	1	NO.
	INTER STAGE LABYRINTH	1	NO.
	INTER STAGE LABYRINTH	1	NO.
	INTER STAGE LABYRINTH	1	NO.
	BALANCE LABYRINTH	1	NO.
	GAS SEAL LABYRIATH	2	NO.
	GAS SEAL LABYRIATH	1	NO.
	END LABYRIATH	1	NO.
	OILSEAL LABYRIATH	2	NO.
	O-RING	3	NO.
	SEALING RING	2	NO.
	SEALING RING	2	NO.
	THRUST BEARING	1	NO.
	THRUST BEARING COLLER	1	NO.
	JOURNAL BEARING PADS	2	NO.
	O-RING	2	NO.
05-02-00241	SPARE PARTS FOR FEED GAS COMPRESSOR TURBINE 102JT		
	THRUST BEARING WITH SHOES	1	SET
	JOURNAL BEARING	1	SET
	LABYRINTH PACKING	2	SET
	LABYRINTH PACKING	6	SET
	LABYRINTH PACKING	6	SET
	JOURNAL BEARING	1	SET
	GASKET PACKING FOR EMER.VALVE	1	PC

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	GASKET PACKING FOR GOV.VALVE	2	PC
	GASKET PACKING FOR EMER.VALVE &	1	PC
	TURBINE CASING 4.8 T X 104 D X 194 D		
	O-RING FOR EMER. VALVE	1	PC
	PLATE SPRING FOR LABYRINTH PACK	28	PC
	SEAL RING 20 T X 70 . 10 / 259	1	SET
05-02-00242	SPARE PARTS FOR LUBE OIL PUMP FOR COMPRESSOR 102JLJ1		
	BEARING SEAT	2	PC
	THURST SEAT	2	PC
	O-RING	4	PC
	O-RING	4	PC
	FLOATING SEAT FOR MECH SEAL	2	PC
	O-RING FOR MECH SEAL	4	PC
	O-RING FOR MECH SEAL	2	PC
	SEAL RING FOR MECH SEAL	2	PC
	SPRING FOR MECH SEAL	2	PC
	O-RING	4	PC
	BEARING BUSH	2	PC
05-02-00243	SPARE PARTS FOR 101J AIR COMPRESSOR (2MCL 805) LP		
	JOURNAL BEARING PADS WITH SEARCH COIL	2	SETS
	THRUST BEARING DISC	1	PC
	O-RING	6	PCS
	O-RING	8	PCS
	O-RING	6	PCS
	THRUST BEARING SHOOS WITH SEARCH	1	SETS
	GAS SEAL LABYRINTH (1ST-SIDE)	1	PC
	GAS SEAL LABYRINTH (2NDSIDE)	1	PC
	OIL SEAL LABYRINTH(1ST-S-SIDE)	1	PC
	OIL SEAL LABYRINTH(2ND S.SIDE)	1	PC
	OIL SEAL LABYRINTH(3RDS.SIDE)	1	SET
	THRUST BEARING ,STIM	1	PC
	THRUST BRG SHIM	1	PC
	BALANCE LABARINTH	1	SET
	IMPELLER EYE LABYRINTH	1	SET
	IMPELLER EYE LABYRINTH	1	SET
	IMPELLER EYE LABYRINTH	1	SET
	IMPELLER EYE LABYRINTH	1	SET
	IMPELLER EYE LABYRINTH	1	SET
	INTER STAGE LABYRINTH	1	SET
	INTER STAGE LABYRINTH	1	SET
	INTER STAGE LABYRINTH	1	SET
05-02-00244	SPARE PARTS FOR 101J AIR COMPRESSOR (2MCL 457) HP		
	O-RING	6	PCS
	O-RING	6	PCS
	O-RING	6	PCS
	END LABYRINTH	1	PCS
	GAS SEAL LABYRINTH	2	PCS
	IMPELLER EYE LABYRINTH	1	SET
	IMPELLER EYE LABYRINTH	1	SET
	IMPELLER EYE LABYRINTH	1	SET
	IMPELLER EYE LABYRINTH	1	SET
	IMPELLER EYE LABYRINTH	1	SET
	IMPELLER EYE LABYRINTH	1	SET

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	IMPELLER EYE LABYRINTH	1	SET
	BALANCEING LABYRINTH	1	SET
	OIL SEAL LABYRINTH	2	PCS
	JOURNAL BEARING PADS	1	SET
	THRUST BEARING SHOES WITH SEARCH COIL	1	SET
05-02-00245	SPARE PARTS FOR SPEED INCREASING GEAR (TYPE :-HCD 028) OF 101J		
	PINION SHAFT	1	SET
	GEAR SHAFT	1	SET
	RADIAL BEARING	2	SETS
	RADIAL BEARING	2	SETS
	RADIAL BEARING	2	SETS
	RADIAL BEARING	2	SETS
	THRUST BEARING	1	SETS
05-02-00246	SPARE PARTS FOR SYNTHESIS GAS COMPRESSOR (103J) TYPE 463B5/5 LP		
	O-RING HEAD	4	PC
	BACK-UP RING HEAD	4	PC
	GASKET END COVER (2 ND SECTION)	2	PC
	GASKET BLIND END COVER	2	PC
	GASKET BLIND END COVER (1ST SECTION)	2	PC
	SMALL LABYRINTH (ALL STAGE)	8	SET
	LARGE LABYRINTH STAGE 1	2	SET
	LARGE LABYRINTH STAGE 2-9	8	SET
	LARGE LABYRINTH STAGE 10	2	SET
	LABYRINTH DI V ISION WALL	2	SET
	O-RING	3	PC
	BACK-UP RING BONDLE	8	PC
	O-RING	4	PC
	O-RING CORD (Q 3.53X9000)	1	PC
	TEFION BAR (LABY.DI V ISION WELL)	2	PC
	BACK-UP RING (DI V ISION WELL LABYRINTH)	2	PC
	TEFLON BAR DI V ISION WELL	2	PC
	TEFLON BAR DI V ISION WELL	1	PC
	THRUST DISC	2	PC
	O-RING	2	PC
	O-RING	2	PC
	O-RING	2	PC
	BACK-UP RING	2	PC
	O-RING	2	PC
	BACK-UP RING	2	PC
	O-RING	2	PC
	BACK-UP RING	2	PC
	O-RING	2	PC
	BACK-UP RING	2	PC
	SHOE ASSY THRUST BRG. (INBOARD)	1	SET
	SHOE ASS ' Y THRUST BRG. (OUT BOARD)	1	SET
	SEAL-RING THRUST BRG	1	PC
	SHOE -TILT PAD BRG	1	PC
	SHOE -TILT PAD BRG	4	PC
	SCREW SHOE HOLDING (2ND SECTION)	5	PC
	O-RING	2	PC
	O-RING	2	PC
	SHOE TILT PAD BRG (IST SECTION)	4	PC
	SHOE TILT PAD BRG (IST SECTION)	1	PC

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	SCREW SHOE HOLDING (IST SCCTION)	5	PC
	LABYRINTH SHAFT SWAL	2	PC
	SEAL RING (IN BOARD)	1	SIT
	SHOE TILT PAD BEARING	1	SIT
	SEAL RING (OU T BOARD)	1	SET
	O -RING	2	PC
	O -RING	4	PC
	O -RING	2	PC
	LABYRINTH SHAFT SEAL	1	PC
	SEAL RING (INBOARD)	2	SET
	SEAL RING (OUT BOARD)	2	SET
	SHOE TILT PAD BEARING	1	SET
	O-RING	1	PC
	O-RING	3	PC
	O-RING	1	PC
05-02-00247	SPARE PARTS FOR SYNTHESIS GAS COMPRESSOR (103J) HP		
	O-RING-HEAD	4	PC
	BACK -VP RING -HEAD	2	PC
	O- RING	2	PC
	BACK - UP RING	1	SET
	SMALL LABYRINTH (ALL STAGE)	4	SET
	BACK - UP RING (BUNDLE)	6	PC
	O-RING	2	PC
	O-RING CORD	6	PC
	O-RING	1	PC
	LARGE LABY STAGE 1, 2	2	SET
	O -RING	2	PC
	O -RING	2	PC
	LOCK NUT THRUST DISK	3	PC
	O- RING	1	PC
	BACK UP RING	1	PC
	O-RING	2	PC
	BACK UP RING	2	PC
	O-RING	2	PC
	BACK UP RING	2	PC
	BACK UP RING	2	PC
	SHOE ASS 'Y THRUST BRG IN BOARD	2	SET
	SHOE ASS 'Y THRUST BRG OUT BOARD	2	SET
	SHOE TILT PAD BEARING	1	SET
	SHOE TILT PAD BEARING	4	PC
	O-RING	2	PC
	O-RING	2	PC
	SHOE TILT PAD BEARING	4	PC
	SHOE TILT PAD BEARING	2	PC
	LARGE LABYRINTH. ST3-9	7	SET
	LARGE LABYRINTH. ST10	1	SET
	LABY SHAFT SEAL	2	SET
	SEAL RING (INNER)	2	SET
	SEAL RING (OUTER)	2	SET
	TILT PAD	14	PC
	O-RING	2	PC
	O-RING	2	PC
	O-RING	2	PC
	O-RING	2	PC
	GASKET BLIND END COVER	2	PC

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	GASKET END COVER	2	PC
05-02-00248	SPARE PARTS FOR (103JT) TURBINE MODEL :- 5EH-7 BD		
	TILTING PAD FOR JOURNAL BEARING	5	PCS
	COVER NOR SIDE		
	SEAL RING (TOP)	2	PCS
	SEAL RING (BOTTOM)	2	PCS
	SEAL RING (TOP)	2	PCS
	SEAL RING (BOTTOM)	2	PCS
	ACTIVE SIDE THRUST BEARING PAD	2	SET
	SEAL RING (TOP)	2	PCS
	SEAL RING (BOTTOM)	2	PCS
	O-RING	6	PCS
	TILTING PAD FOR EACH SIDE JOURNAL B.	5	PCS
	COMP.SIDE SEAL RING (TOP)	2	PCS
	COMP.SIDE SEAL RING (BOTTOM)	2	PCS
	COV. SIDE SEAL RING (TOP)	2	PCS
	COV. SIDE SEAL RING (BOTTOM)	2	PCS
	LOBYRINTH PACKING	6	SET
	LABYIINTH PACKING	2	SET
	LABYIINTH PACKING	2	SET
	LABYIINTH PACKING WITH SPRING	2	SET
	LABYIINTH PACKING	2	SET
	LABYIINTH PACKING WITH SPRING	2	SET
	SPRING FOR TRIP THROTTLE VALVE	2	PCS
	SPRING FOR TRIP THROTTLE VALVE	2	PCS
	ROLLER B.R.G FOR TRIP THROTTLE V.	2	PCS
	ROLLER B.R.G FOR TRIP THROTTLE V.	2	PCS
	PINION GEAR FOR TRIP THROTTLE V.	1	PC
	BALL BEARING FOR TRIP THROTTLE V.	2	PCS
	WHELL GEAR FOR TRIP THROTTLE V.	1	PC
	CLAND PACKING FOR TRIP THROTTLE V.	4	PCS
	STEAM STRAINER FOR TRIP THRPTTLE V.	1	PC
	SPRING FOR TRIP THROTTLE VALVE	2	PC
	NEEDLE VALVE FOR TRIP THROTTLE V.	2	PC
	PISTON FOR TRIP THROTTLE V.	1	PC
	POWER PISTON FOR TRIP THROTTLE V.	1	PC
	SPRING FOR TRIP THROTTLE VALVE	2	PC
	O-RING FOR TRIP THROTTLE VALVE	4	PC
	O-RING FOR TRIP THROTTLE VALVE	4	PC
	SPRING FOR TRIP THROTTLE VALVE	2	PC
	PACKING FOR GOVERNOR V.	4	PC
	PACKING FOR GOVERNOR V.	4	PC
	PISTON FOR GOVER VALVE	1	PC
	PISTON FOR GOVER VALVE	1	PC
	PISTON RING FOR GOCERNOR VALVE	2	PC
05-02-00249	SPARE PARTS FOR 105J/JT AMMONIA COMPRESSOR & TURBINE		
	THRUSTB.R.G COLLARLINER	1	NO.
	THRUST B.R.G COLLAR	1	NO.
	CIAPHRAM COUPLING	1	NO.
	O.RING	2	NO.
	O.RING	2	NO.
	O.RING	2	NO.
	IMPELLER EYE LABYRINTH 1-ST	1	NO.

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	IMPELLER EYE LABYRINTH 2-ND	1	NO.
	IMPELLER EYE LABYRINTH 3RD	1	NO.
	IMPELLER EYE LABYRINTH 4TH	1	NO.
	INTER STAGE LABYRINTH 1-ST	1	NO.
	INTER STAGE LABYRINTH 2ND	1	NO.
	INTER STAGE LABYRINTH 3RD	1	NO.
	BALANCE LABYRINTH	1	NO.
	GAS SEAL LABYRINTH	2	NO.
	GAS SEAL LABYRINTH (THRUST B.R. G SIDE)	1	NO.
	OIL SEAL LABYRINTH	1	NO.
	MECHANICAL SEAL	2	SET
	THRUST B.R.G SHOES	1	SET
	JOURNAL B.R .GPADS	2	SET
	THRST COLLAR LINER	1	NO.
	DIAPHRAGM CONPLING	1	NO.
	O.RING	2	NO.
	O.RING	2	NO.
	O.RING	2	NO.
	IMPELLER EYE LABYRINTH 1ST	1	NO.
	IMPELLER EYE LABYRINTH 2-ND	1	NO.
	IMPELLER EYE LABYRINTH 3RD	1	NO.
	IMPELLER EYE LABYRINTH 4TH	1	NO.
	IMPELLER EYE LABYRINTH 5 TH	1	NO.
	IMPELLER EYE LABYRINTH 6 TH	1	NO.
	IMPELLER EYE LABYRINTH 7 TH	1	NO.
	IMPELLER EYE LABYRINTH 8 TH	1	NO.
	IMPELLER EYE LABYRINTH 1ST	1	NO.
	IMPELLER EYE LABYRINTH 2ND	1	NO.
	INTER STAGE LABYRINTH -4TH	1	NO.
	INTER STAGE LABYRINTH -5TH	1	NO.
	INTER STAGE LABYRINTH -6TH	1	NO.
	INTER STAGE LAB.-7TH	1	NO.
	BALANCE LABYRINTH	1	NO.
	OIL SEAL LABYRINTH	1	NO.
	GAS SEAL LABYRINTH	2	NO.
	GAS SEAL LABYRINTH	2	NO.
	MECHANICAL SEAL	4	NO.
	THRUST BEARING SHOES	2	NO.
	THRUST BEARING COLLAR	1	NO.
	THRUST BEARING SHIM	1	NO.
	JOURNAL BEARING PEALS	2	NO.
05-02-00250	SPARE PARTS FOR 105 JT TURBINE FOR AMMOINA COMP & AIR COMP STEAM TURBINE MODEL (DEV-M)		
	THRUST B.R.G	2	SET
	JOURNAL B.R.G	2	SET
	JOURNAL B.R.G	2	SET
	SHAFT SEAL (HIGH PR.END)	2	SET
	INTER STAGE PACKING	2	SET
	SHAFT SEAL (10WPR.END)	2	SET
	OIL DEFLECTOR	2	SET
05-02-00251	SPARE PARTS FOR CO2 COMPRESSOR 302J TYPE 2MCL606 LP		
	INTER STAGE LABYRINTH	1	SET

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	INTER STAGE LABYRINTH	1	SET
	INTER STAGE LABYRINTH	1	SET
	INTER STAGE LABYRINTH	1	SET
	BALANCING LABYRINTH	1	SET
	GAS SEAL LABYRINTH (1)	1	SET
	GAS SEAL LABYRINTH (2)	1	SET
	GAS SEAL LABYRINTH (3)	1	SET
	OIL SEAL LABYRINTH(1)	1	SET
	OIL SEAL LABYRINTH(2)	1	SET
	GAS SEAL LABYRINTH	1	SET
	THRUS BEARING SHOES	1	SET
	THRUS BEARING DISK	1	PC
	JOUNRAL BEARING PADS	2	SET
05-02-00252	SPARE PARTS FOR CO2 COMPRESSOR 302J TYPE 2BCL306/A HP		
	INTER STAGE LABYRINTH(2)	3	SET
	INTER STAGE LABYRINTH(3)	3	SET
	INTER STAGE LABYRINTH(1)	3	SET
	INTER STAGE LABYRINTH(4)	3	SET
	BALANCING LABYRINTH	3	SET
	GAS SEAL LABYRINTH	3	SET
	GAS SEAL LABYRINTH	3	SET
	GAS SEAL LABYRINTH	3	SET
	GAS SEAL LABYRINTH	3	SET
	GAS SEAL LABYRINTH	3	SET
	THRUS BEARING SHOES	3	SET
	THRUS BEARING DISK	3	SET
	THRUS BEARINGSHIM	3	SET
	JOUNRAL BEARING PADS	3	SET
	O-RING D7 , D625	6	PC
	O-RING D7X D670	6	PC
	O-RING D7X D620	3	PC
	O-RING D7X D615	3	PC
	O-RING D7X D610	3	PC
	O-RING D3.53 X D 158.34	3	PC
	O-RING D3.53 X D 71.04	3	PC
	O-RING D3.53 X D 202.79	3	PC
	O-RING D3.53 X 171.04	6	PC
	BACK UP RING	6	PC
	BACK UP RING	6	PC
	BACK UP RING	1	PC
	BACK UP RING	1	PC
	BACK UP RING	1	PC
	JOUNRAL BEARING PADS WITH SERCH	1	SET
	COIL		
05-02-00253	SPARE PARTS FOR 302JT S.TURBINE FOR 302J		
	CARBON BUSH FOR ROTOR EARTH	2	PC
	THRUST BEARING PADS WITH R.T.D	4	SET
	COULKING FOR AUX. SHAFT	4	SET
	FRONT JOURNAL BEARING WITH R.T.D	4	SET
	REAR JOURNAL BEARING WITH R.T.D	2	SET
	FIN FOR FRONT GLAND PACKING	2	PC
	OIL RETAINING(FRONT)	3	PC
	OIL RETAINING(REAR)	3	PC

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	FIN FOR LABYRINTH RING	8	PC
	FIN FOR NOZZLE BOX	27	PC
	COUL KING WIER FOR FRONT GLAND PACKING	2	PC
	COUL KING WIER FOR FRONT GLAND PACKING	2	PC
	BEARING FOR AUX. SHEFT	2	SET
	FIN FOR REAR GLAND PACKING	12	PC
05-02-00254	SPARE PARTS FOR SPEED INCREASING GEAR TYPE HCD028 FORT 302J		
	PINION SHEFT	2	SET
	GEAR SHAFT	2	SET
	RADIAL BEARING	2	SET
	RADIAL BEARING	2	SET
	RADIAL BEARING	2	SET
	RADIAL BEARING	2	SET
	THRUST BEARING	2	SET
	SEAL RING	2	SET
05-02-00255	SPARE PARTS FOR S.TURBINE TYPE C8-C2 FOR BOILER FEED WATER PUMP 104JT		
	BEARING	2	SET
	OIL SHELTER	2	SET
	CARBON PACKING WITH SPRING	16	SET
	LABYRINTH PACKING	6	SET
	LABYRINTH PACKING	4	SET
	BEARING	2	SET
	OIL SHELTER	2	SET
	VALVE & VALV SPINDLE	2	SET
	VALVE & VALV STEM	2	SET
	BEARING	2	SET
	CARBON PACKING WITH GARTER SPRING	16	SET
	LABYRINTH PACKING	4	SET
05-02-00256	SPARE PARTS FOR BOILER FEED WATER PUMP TYPE 6CSXBF1 SD-9ST 104J		
	BEARING SLEEVE THRUST	1	SET
	IMPELLER SPACER SLEEVE-RADIAL	7	PC
	INTERMEDIATE COVER WRG RING	8	PC
	BEARING SLEEVE -RADIAL	1	SET
	PRESSURE REDCING BUSHWG	1	PC
	PRESSURE REDCING SLEEVE	1	PC
	IMPELLER WRG -RADIAL	8	PC
	OUTER THRUST BEARING	1	SET
	PUMP SHAFT	1	PC
	IMPELLER - SUC TION / WRG RING	1	SET
	IMPELLER RADIAL	8	SET
	IMPELLER SPACER SLEEVE-SUCTION	1	PC
05-02-00257	SPARE PARTS FOR H.TURBINE FOR BENFIELD RICH SOLUTION PUMP 107JHAT		
	BEARING SLEEVE THRUST	1	SET
	BEARING SLEEVE -RADIAL	1	SET
	IMPELLER WRG -RING	2	PC

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	WRG - RING	2	PC
	ROTOR ASSEMBLY	1	SET
	STATIONARY OIL BAFFLE	2	PC
05-02-00258	SPARE PARTS FOR BENFIELD SEMI - LEAN SOLUTION PUMP 107JA		
	BEARING SLEEVE - THRUST	2	SET
	BEARING SLEEVE -RADIAL	2	SET
	ROTOR ASSEMBLY	1	SET
	INNER THRUST BEARING	1	SET
	CASE WARING RING	2	PC
05-02-00259	SPARE PARTS FOR BENFIELD SEMI - LEAN SOLUTION PUMPS 107JB/JC		
	BEARING SLEEVE - THRUST	2	SET
	BEARING SLEEVE -RADIAL	2	SET
	ROTOR ASSEMBLY	1	SET
	CASE WEAR RING	1	PC
	INNER THRUST BEARING	2	PC
	OUTER THRUST BEARINMG	2	PC
05-02-00260	SPARE PARTS FOR BENFIELD LEAN SOLUTION PUMPS 110JA/JB/JC		
	PUMP SHAFT	3	SET
	IMPELLER SUCTION W/WEARING RING	3	SET
	IMPELLER -2ND STAGE W/WEARING RING	3	SET
	CASE WEAR RING - RADIAL	3	PC
	HEAD WRG RING	3	PC
05-02-00261	SPARE PARTS FOR STEAM TURBINES OF BENFIELD LEAN SOLUTION PUMPS 110JAT/JBT/JCT		
	VALVE STEAM & GOV. VALVE	3	SET
	VALVE STEAM & VALVE DISC	3	SET
	BEARING	3	SET
	CARBON PACKING WITH GARTER	80	SET
	SPRING		
	OIL SHELTER	9	SET
05-02-00262	SPARE PARTS FOR 309JR UREA MELT PUMP SERIEAL 96202476		
	WEAR RING CASING	2	PC
	WEAR RING IMPELLER	2	PC
	ROTOR IMPELLER	2	PC
	WEAR RING COVER	2	PC
	WEAR RING IMPELLER	2	PC
	SHAFT	2	PC
	SHAFT SLEEVE PACKED	2	PC
	PACKING RING	24	PC
	LANTERN RING	4	PC
	OIL FILLER CUP /VENT	2	PC
	PACKING	50	PC
05-02-00263	SPARE PARTS FOR MECHANICAL SEAL FOR PUMPS		
	MECHANICAL SEAL - 3005J	2	PC
	MECHANICAL SEAL COMPLETE108J	1	ST
	MECHANICAL SEAL COM. 111J	1	ST
	MECHANICAL SEAL COM. 124J	1	ST
	MECHANICAL SEAL COM. 125J	1	ST
	MECHANICAL SEAL COM. 305J	1	ST

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	MECHANICAL SEAL COM. 314J	1	ST
	MECHANICAL SEAL COM. 316J	1	ST
	MECHANICAL SEAL ASSEMBLY 308J	1	ST
	MECHANICAL SEAL ASS. 311J	1	ST
	MECHANICAL SEAL ASS. 312J	2	ST
	MECHANICAL SEAL ASS. 315J	2	ST
	MECHANICAL SEAL ASS. 2131J	1	PC
	MECHANICAL SEAL ASS. 2132J	1	PC
	MECHANICAL SEAL COM. 104J	2	ST
	MECHANICAL SEAL COM. 107JA	1	ST
	MECHANICAL SEAL COM. 107JB/C	2	ST
	MECHANICAL SEAL COM. 107JAHT	1	ST
	MECHANICAL SEAL COM. 110J	3	ST
	MECHANICAL SEAL COM. 410LJ	2	ST
	MECHANICAL SEAL COM. 112J	1	ST
	MECHANICAL SEAL COM. 317J	1	ST
	MECHANICAL SEAL COM. 302JT CJ	1	ST
	MECHANICAL SEAL 103JLJ1	1	PC
	MECHANICAL SEAL 103JLJ2	2	PC
	MECHANICAL SEAL ASSEMBLY 2137J	2	PC
	MECHANICAL SEAL ASSEMBLY 2152 J/JA	2	PC
	MECHANICAL SEAL ASSEMBLY 2156 J/JA	2	PC
	MECHANICAL SEAL COMPLETE 3007J/JA	2	ST
	MECHANICAL SEAL COMPLETE 3008 J/JA	2	ST
	MECHANICAL SEAL COMPLETE 4001J/JA	4	ST
05-02-00264	REGENERATION WASTE WATER PUMP 2136J COMPELETE SET PUMP S.S/S.S WITH MOTOR (75 K.W) AS DATA SHEET FOR REGENERATION WASTE WATER PUMP CAPACITY AT P.T RATED 530 m3/hr PUMPING TEMP. (P.T) 7~52 C SPECIFIC GRAVITY AT P.T 1 DISCHARGE HEAD 25 m LIQ SUCTION HEAD -4 m LIQ DIFF. PRESS. 2.5 Kg/cm2 NPSH AVAIL 4.3 m TYPE CENTRIFUGAL SELF PRIMING NOZZLES SUCTION 10 RF END NOZZLE DISCHARGE 10 RF TOP LUBRICATION OIL UNFORCED WITH ACCESSORIES	4	SET
05-02-00265	SPARE PART FOR INSTRUMENT COMPRESSOR MODEL KS 20 BT		
	M-ROTOR	1	PC
	F-ROTOR	1	PC
	TIMING GEAR	1	PC
	TIMING PINION	1	PC
	MAIN CASING	1	PC
	M-ROTOR	1	PC
	F-ROTOR	1	PC
	TIMING GEAR	1	PC
	TIMING PINION	1	PC
	MAIN CASING	1	PC
	DU-O CHECK VALVE	1	PC
	CARBON SPRING	28	PC
	CARBON RING	28	PC

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	LABYRINTH RING	4	PC
	LABYRINTH RING	4	PC
05-02-00266	SPARE PART FOR INSTRUMENT AIR COMPRESSOR COMPLET SET INSTRUMENT AIR COMPRESSOR COMP. SET WITH OUT DRIVER AS DATA SHEETS	1	SET
05-02-00267	HYDROLYZER FEED PUMP COMPLETE SET 314J/JA COMPLETE SET PUMP WITH OUT MOTOR FOR HYD. FEED AS DATA SHEET	2	SET
05-02-00268	SPARE PARTS FOR STEAM TURBINE 102JLJ1T/JLJ2T . 302JLJT- TYPE H-133		
	JOURNAL BEARING	4	ST
	CARBON PACKING WITH SPRING	25	ST
	SIDE SPRING FOR CARBON PACKING	25	PC
	OIL SEAL LABYRINTH 970X24	2	PC
	PACKING FOR GOVERNOR VALVE 4.8X101DX121D	5	PC
	PACKING FOR EMERGENCY VALVE 4.8 T X 128 D X 149 D	5	PC
	PACKING FOR EMERGENCY VALVE 4.8 T X113D X 125 D	5	PC
	PACKING (1) 3T X 269D X 311	2	PC
	PACKING (2) 3T X 268D X 311	2	PC
	PACKING (3) 3T X 299D X 311	2	PC
	O-RING 240 D	4	ST
	FILTER ELEMENT	2	ST
	FLOATING SEAL	2	ST
	O-RING 45 D	2	ST
	O-RING 34 D	2	ST
	SEAL RING 53D X 37D X 19	2	ST
05-02-00269	SPARE PARTS FOR STEAM TURBINE 103JLJ1T/JLJ2T TYPE H-133		
	BEARING	1	PC
	BEARING	1	PC
	CARBON PACKING WITH SPRING	20	PC
	SPRING	41	PC
	PLATE SPRING	20	PC
	CARBON APRING	20	PC
	LINER	4	PC
	TRIP STRIKER	1	PC
	OIL RING	4	PC
	OIL SHELTER	6	PC
	SG GOVERNOR	1	ST
05-02-00270	SPARE PARTS FOR STEAM TURBINE 108 JT TYPE H-163		
	JOURNAL BEARING 90 X 60D X95 D	2	ST
	CARBON PACKING WITH SPRING 10X70.1D X108D	40	PC
	SIDE SPRING 4.8D X9	40	PC
	VALVE & STEAM FOR GOVERNOR VALVE	2	ST
	OIL SHELTER	3	ST
05-02-00271	SPARE PARTS FOR STEAM TURBINE 112 JT TYPE V-145 FOR COND. PUMP		
	CARBON PACKING WITH SPRING 11.8X70.1D X108D	40	PC
	SIDE SPRING 4.8D X9	40	PC
	VALVE & STEAM FOR GOVERNOR VALVE 39.9 DX 293	2	ST

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	OIL SHELTER	2	ST
05-02-00272	SPARE PARTS FOR CARBAMET PUMP 307J/JA TYPE KD 823HY19417		
	CRANK PIN SHELL @ 268 / 215x133	6	PC
	OIL SEAL @ 150 / 120 x13	12	PC
	CROSS HEAD GUID BUSHING @ 280 / 210 x 413	6	PC
	CROSS HEAD PIN BUSHING @ 105 / 85x110	6	PC
	O- RING @ 180 x5	6	PC
	OIL SEAL @ 210/ 240 x 15,B2	9	PC
	VALVE SPINDEL @ 26x195	6	PC
	SPRING @ 76 /5 x58	6	PC
	VALVE SEAT	6	PC
	VALVE PLATE	6	PC
	O - RING @ 123, 2x7	24	PC
	SUPPORT RING @ 143 / 135 X5,7	24	PC
	O -RING @ 116/ 85 x 7	24	PC
	SUPPORT RING @ 130/ 118x 4,2	24	PC
	O -RING @ 12,37 x 2,62	24	PC
	SPRING	12	PC
	O- RING @ 17,12x 2,62	12	PC
	SUCTION VALVE ASSEM . ACC TO FOLGER	6	SET.
	W 2800- C CONSISTING OF THE ITEMS 15,16,17 & 32		
	DISSHARG VALVE ASSEN . ACC TO FOLGER	6	SET.
	W 2800- D CONSISTING OF THE ITEMS 4,7,8,9,14, 15,16,17 ,24,25 & 32		
	GUIDE BUSH @ 125/ 115 x8	6	PC
	PACKING FOLLOWER @170/116x 340	6	PC
	O-RING @ 158,12x 7	24	PC
	BASE RING @ 140 /120 x 55	12	PC
	LONTERN RING @140/116x28	12	PC
	PACKING RING @ 140 / 115x12,5	160	PC
	NIPPLE G3/8 ; x120	12	PC
	CHECK VALVE G3/8 A ; @12	12	PC
05-02-00273	SPARE PARTS FOR COOLING TOWER 2151 LJ GEAR REDUCER TYPE G16D AND FAN TYPE 20PFT 6FAN		
	OIL SEAL TB- 16019016	20	PC
	OUT PUT SHAFT	5	PC
	SPIRAL BEVEL GEAR	5	PC
	HELICAL PINION	5	PC
	SPIRAL BEVEL PINION	5	PC
	OIL SEAL TB- 708812	20	PC
	SPACER D 115/80x165	5	PC
	O - RING @180	10	PC
	O - RING @ 230	10	PC
	HELICAL GEAR	2	PC
	OIL GAUGE 60x35	10	PC
	20 PFT6 FAN ASSY	2	PC
05-02-00274	SPARE PARTS FOR WATER INTAKE PUMPS 2001JA/JB/JC TYPE 400-CDM		
	IMPELLER D290 x 190	3	PC
	O-RING 3.5 x 47.7	6	PC
	O-RING 3.5 x 54.4	6	PC
	GLAND PACKING 11 x 70 D x 95 D	24	PC
	O-RING 5.7 x 104.6	28	PC

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
05-02-00275	SPARE PARTS FOR TRAVELLING SAND PUMP 2005JA/JB/JC/JD MODEL 16A 20-M		
	CHECK VALVE ASSY D 175	8	PC
	IMPELLER D 286	2	PC
05-02-00276	SPARE PARTS FOR DRINKING WATER PUMP 2006J/JA MODEL 1 GA 20-M		
	IMPELLER 196 x 68.5	1	PC
	O-RING 3.1 x 24.4	10	PC
	GLAND PACKING SQ8 x 34 D x 50 D	16	PC
05-02-00277	SPARE PARTS FOR SLUDGE DISCHARGE PUMP 2008J/JATYPE 250-CSH-S		
	IMPELLER 290 x 162	1	PC
	O-RING 5D x 130 D	4	PC
	O-RING 3.1D x 54.4 D	4	PC
	O-RING 3.1D x 139.3 D	4	PC
	O-RING 5.7D x 289.3 D	4	PC
	O-RING 4D x 1050 D	4	PC
	GLAND PACKING SQ 12.5 x 70 D x 95 D	20	PC
05-02-00278	SPARE PARTS FOR CLARIFER FEED PUMP PUMP 2051J/JA TYPE 400-CDM		
	IMPELLER D 380 x 332	1	PC
	GLAND PACKING SQ 15 x 75 D x 104 D	40	PC
	O-RING 3.1D x 60 D	8	PC
	STRING PACKING D1 x 10 M	1	PC
05-02-00279	SPARE PARTS FOR FILTERED WATER TRANS. PUMP 2054J/JA TYPE WL-250/3		
	IMPELLER D 490 x 105	3	PC
	BEARING SHAFT D 135 x 110	3	PC
	O-RING @ 4 x @ 85	8	PC
	O-RING @ 6 x @ 655	12	PC
	O-RING D4 x 420 D	4	PC
	O-RING D3 x 187.6 D	8	PC
	O-RING D8.4 x D 154.5	16	PC
05-02-00280	Boiler feed water pump 2201JA/JB	2	SET.
05-02-00281	Spare parts for seal oil pump for 102 JN.G	Diff,	
05-02-00282	Spare parts for lub and seal oil pump for 103J type 2X 13 SVCN 103 JLL1/A		
	Pump Shaft	2	Sets
	Impeller	2	Pcs
05-02-00283	Spare parts for pump 103 JLJ2	Diff.	
05-02-00284	Spare parts for Carbonate sump pump (114 J)	Diff.	
05-02-00285	Spare parts for cold ammonia product pump 124 J / JA	Diff.	
05-02-00286	Spare Parts for hot ammonia product pump 125 J/JA	Diff.	
05-02-00287	Spare parts for condensate pump 302	Diff.	
05-02-00288	Spare parts for urea solution pump 308 J/JA	Diff.	
05-02-00289	Spare parts for reflux pump 305 J/JA	Diff.	
05-02-00290	Spare parts for absorber feed pump 311 J/JA	Diff.	
05-02-00291	Spare parts for process condensate pump 312 J/JA	Diff.	
05-02-00292	Spare parts for desorber feed pump 313 J/JA	Diff.	

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
05-02-00293	Spare parts for L.P. Carbamate condenser	Diff.	
05-02-00294	Spare parts for hydrolyzer feed pump 314 J/JA	Diff.	
05-02-00295	Spare parts for H.P. Scrubber Water circulation pump 316 J/JA	Diff.	
05-02-00296	Spare parts for Steam Condensate pump 317	Diff.	
05-02-00297	Spare parts for urea Scrubber Make up water pump 322 J/JA	Diff.	
05-02-00298	Spare parts for reflux condenser water circulation pump 323 J/JA	Diff.	
05-02-00299	Spare parts for 410 LJ1/2/3/4	Diff.	
05-02-00300	Spare parts for stripped condensate pump 2156 J/JA	Diff.	
05-02-00301	Spare parts for steam Turbine (101 BJ1T) for I.D.F. type HO-183R	Diff.	
	G: Tomato paste and olive oil production		
05-02-00302	<p>Tomato paste production line as specified below:</p> <ol style="list-style-type: none"> 1- Capacity of the line (200) tons/day of raw material to produce tomato paste of (28%) solids in jars. 2- The line can be used for date syrup. 3- All parts in contact with material are made of stainless steel AISI 306. 4- Receiving washer. 5- Sorting table with elevator. 6- Chopper 7- Pre heater 8- Refining group (extractor). 9- Juice collecting tank. 10- Continuous evaporator with accessories. 11- Water cooling tower. 12- Paste sterilizer. 13- Jars sterilizer. 14- Rotating table. 15- Filler in jars 800 g. 16- Capping machine. 17- Continuous pasteurizer cooler for filled jars 18- Pipe connections. 19- Washing device with sprayers for washing machines. 20- Set of automatic control and regulation 	1	plant

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
05-02-00303	Olive oil extraction plant as specified below: 1- Extraction of max. possible oil content in olives and the percentage must be fixed in the offer. 2- Capacity of plant (0.4-0.5) Ton /hr olives. 3- Simple design. 4- Receiving hopper. 5- Crusher. 6- Kneader with simple heating system. 7- Monopump. 8- Oil tank. 9- Any other equipments according to manufactures recommandations. 10- Control panel and all necessary electircal parts.	10	Units
	H. Improvement of sugar production Plant no . 1		
05-02-00304	STEAM TURPINE	5	
05-02-00305	SUGAR DRYER	1	
05-02-00306	CROP TRACTORS HP140 POWER SHAFT TRAN. FOUR WHEEL DRIVE	10	
05-02-00307	SUGAR JUICE AND HOT WATER PUMPS	10	
05-02-00308	VALVES OF DIFFERENT SIZES AND TYPES USED IN FARIOUS PUMPS AND TUBES OF THE FACTORY ANGLE VALVE .CHECK VALVE.BALL VALVE. GLOBE VALVE.GATE VALVE	189	
05-02-00309	BEARINGS OF DIFFERENT SIZE AND TYPES	296	
05-02-00310	AIR COMPRESSERS USE TO PROVIDE THE FACTORY ACCURATE	2	
05-02-00311	SACCHAROMAT ASET USED FOR MEASURING SUGAR PERCENTAGE IN SUGAR SOLUTION	2	
05-02-00312	COLORIMETER USED TO MEASURE COLOR IN SUGAR SOLUTION	2	
05-02-00313	ELECTRIC CONDUCTIVITY USED TO MEASURE HIGH CONCENTRATION FOR WATER TREATMENT	1	
05-02-00314	METAL THICKNESS	2	
05-02-00315	R.O MEMBRANES USED IN WATER TREATMENT	140	
05-02-00316	CIRCUIT BREAKER AND ELECTRIC VALVE USED FOR VARIOUS ELECTIC SETS AND THE CUT OFF	20	
05-02-00317	SERVICE MOBILE VEHICLE FOR EQU.MAIN.	2	
05-02-00318	MOBILE WORK SHOP EQUIPMENT FOR EQU.MAIN.	1	
05-02-00319	PASSINGER VAN FOR 44PAESSINGER EING.MERCEDES	12	
05-02-00320	EXCAVATOR DIGGING DEPTH 7M 4*4 WD HP 125 - 140	4	
	Plant no . 2		
05-02-00321	Continous centriguge for (C) massequite (BMA)	2	Nos
05-02-00322	Paper for packing white sugar for 1 kg and 10 kgs	10	Tons
05-02-00323	Special knife for beet disc slicer	1,250	Nos
05-02-00324	Spare parts for beet slicer	Different	

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
05-02-00325	Spare parts for plate heat exchanger type voritherem 40	2	Sets
05-02-00326	Fire Cement	50	Tons
05-02-00327	Fire bricks	20,000	Nos
05-02-00328	Different Labouratory equipments for sugar and yeast factories	188	Nos
05-02-00329	Different electrical spare part for sugar and yeast factory		
05-02-00330	Different electrical control pannel equipments for sugar and yeast factory		
05-02-00331	Beet washing machines with accessories and spare parts for five years	1	NO.
05-02-00332	Different pumps for sugar and yeast factory with accessories		
05-02-00333	Different chemicals for sugar and yeast	400	ton
05-02-00334	Cooling tracks for yeast transport with spare parts for 5 years	6	trucks
	I - Improvement of fertilizer sacks		
05-02-00335	P.P GRANUALS SABIC TYPE P.P500 P MFI:2-4 G/10 MIN(230 C/2.16 Kg) YIELD TENSILE STRENGTH:37 MPA IMPACT STRENGTH:40 J/MM TYPE: HOMOPOLYMER	3,000	Ton
05-02-00336	KC GRANUALS WHICH REPRESENTS (30)%CaCO3 + (70)%POLYPROPLINE MFI:7-8 G/10 MIN.	120	Ton
05-02-00337	SPUN POLYSTER SIZE: NM 34/6 (SP20/1*5) COLOR:NATURAL WHITE	60	Ton
05-02-00338	SPARE PARTS FOR THE TAPE PREPARATION MACHINE OF SACKS FACTORY WOVING MACHINE PROSSES COMPLICATION MACHINES	74,970	
05-02-00339	CO2 Compressor	2	
05-02-00340	CATION RESIN BEAD SIZE: 0.3-1M MOISTURE: 40-45% BULK DENSITY: 800-900 GI TOTAL EXCHANGE CAPACITY: 2000MG/1	30,000	Liter
05-02-00357	SPARE PARTES FOR ETHYLENE COMPRESSORS.	DIFF	
05-02-00358	Spare parts for reciprocating compressors as follows:-	DIFF	
	<u>for first stage</u>		
	Wedge backup ring	21	nos.
	Valve 750 DP complete	4	nos.
	Case packing set	10	nos.
	Sleeve cylinder outer end	3	nos.
	head outer	4	nos.
	spacer bottom end	5	nos.
	<u>for second stage</u>		
	spacer outer head	8	nos.
	head outer	5	nos.
	valve 650 DP BLP	4	nos.
	Sleeve cylinder outer end	2	nos.
	Case packing set	12	nos.
05-02-00359	PUMPS WITH SPARE PARTS	DIFF	

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
05-02-00360	CENTRIFUGAL AIR COMP.	2	unit
05-02-00361	BAGGING & PALLETIZING MACHINE WITH SPARES	1	
05-02-00362	ANALYSERZ & APPLICATIONS EQUIPMENTS FOR QUALITY CONTROL DEPT.	DIFF	
05-02-00363	PIPES , VALVES , FLANGES , ELBOWS , TEES , BEARINGS & MECH SEALS	3,650	pcs
05-02-00364	FIRE FIGHTING TRUCK	1	
05-02-00365	FORK LIFTS , 3 TONS , 5 TONS	10	
05-02-00366	CRAVE ; TONE & 35-50 TONS	3	
05-02-00367	BOLIER SAFETY VALVES WITH SPARE PARTS	DIFF	
05-02-00368	GASKETS, PACKINGS , STUDS WITH NUTS & BOLTS	DIFF	
05-02-00369	EQUIPMENTS FOR CONSTRUCTION OF NEW N2 UNIT	DIFF	
05-02-00370	REWINDER MACHINE FOR CUTTING AGRICULTURAL FILMS		
	A- CATALYST EP30X	10	TONS
	B- CATALYST EP350	10	TONS
	C- MERCAPTAN	50	TONS
	D- HEXEN - 1	50	TONS
	E- MONOETHANOL AMINE	50	TONS
	F- METHANOL	100	TONS
	G- WATER TREATMENT CHEMICALS (NALOCO)	100	TONS
	K . Improvement of fertilizers production plant no . Phosphate fertilizers		
05-02-00372	SPARE PARTS FOR DRAGLINE	DIFF	
05-02-00373	WHEEL LOADER WITH SPARE PARTS	1	
05-02-00374	SPARE PARTS FOR CUTTERPILLER	DIFF.	
05-02-00375	SPARE PARTS FOR VIBRATOR	DIFF.	
05-02-00376	ELECTRONIC CARD FOR VIBRATOR RYE - 3	5	EA
05-02-00377	NKSE 1011-11	5	EA
05-02-00378	CONTROL VALVES CONTROL VALVE MODEL NO.35-35202 DN/80 TYPE OF BODY / COMFLEX BODY MATERIAL / STANLESS STEEL SEAT RING TYPE AISI316 ST.ST PLUG STAINLESS STEEL WITH HARD SEATING TYPE OF ACTUATOR/ROLLING DIAPHRAGM BODY SIZE/40 FLOW ACTION TO / CLOSED FAIL POSITION / CLOSED (AIR TO OPEN) SHAFT MAT. /S.S 316 DELTA P 1-1.5 BAR FLOW 700KG/HR POSITIONER MODEL NO.8013 OUT PUT (4-20)MA AIR SUPPLY 1.4 BAR AIR CONNECTION 1/4" NPT TYPE ELECTROPNEUMATIC	1	EA

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
05-02-00379	CONTROL VALVE MODEL NO. 35-35202 DN/50 TYPE OF BODY / COMPLEX BODY MATERIAL / STANLESS STEEL SEAT RING TYPE AISI316 ST.ST PLUG STAINLESS STEEL WITH HARD SEATING TYPE OF ACTUATOR/ROLLING DIAPHRAGM BODY SIZE/ 25 FLOW ACTION TO / CLOSED FAIL POSITION / CLOSED (AIR TO OPEN) SHAFT MAT. /S.S 316 DELTA P 3.4-5.5 BAR FLOW 500KG/HR POSITIONER MODEL NO.8013 OUT PUT (4-20)MA AIR SUPPLY 1.4 BAR AIR CONNECTION 1/4" NPT TYPE ELECTROPNEUMATIC	1	EA
05-02-00380	CONTROL VALVE MODEL NO.38-110RM SIZE 80MM BUTAYL LINED BONNET	1	EA
05-02-00381	SPARE PARTS FOR SCREENS	DIFF.	
05-02-00382	ELECTRO MAGNETIC VIBRATOR TYPE; MVE 50-125,380V, 6.2A,50HZ,600W ,3000 R.P.M	6	EA
05-02-00383	FERTILIZER BELT WEIGHER SYSTEM COMPLETE WITH ((LOAD CELL , WEIGH IDLERS , TACHOMETERS, JUNCTION BOXES)) AND ALL ACCESSORIES FOR TOTALIZING AND FEED RATE INDICATION N.P.K PRODUC WEIGHER ----- FEED RATE :- 70 T/H MATERIAL :- N.P.K FERTILIZER DENSITY :- 900-1200 KG/M CUBED ANGLE OF REPOSE :- 34 TO 35 DEGREES TEMPERATURE :- 70C BELT WIDTH :- 650MM BELT SPEED MAX.:- 1.25 M/SEC CONVEYOR SLOPE :- 12 DEGREES MAX WEIGHED SECTION :- 2.0 M IDLER SPACING :- 1000 MM NUMBER OF IDLER :- 4 WEIGHT PER METER :- 17.6 KG LOAD CELL :- 50KG LOAD CELL RATIO :- 2:1 TRANSMITIER POWER SUPPLY :- 110-220 VOLT, 50HZ TRANSMITIER OUT PUT :- 4-20 MA TO CONTROL ROOM 0-100 PULS/MIN TO CONTROL ROOM ENCLOSURE CLASS :- IP 65	1	EA

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
05-02-00384	<p>N.P.K RECYCLE WEIGHER</p> <p>-----</p> <p>MATERIAL :- MAP + UREA DENSITY :- 900KG TO 1200 KG/M3 FEED RATE:- 50 TO 145 T/H ANGLE OF REPOSE :- 30 DEGREES TEMP. :- 55-80 BELT WIDTH :- 1200MM FEED WIDTH :- 900MM VOLUME PER METER OF M CUBED :- 0.2X0.9X1=0.18M CUBED WEIGHT PER METER KG :- 0.18X900 = 162KG WEIGHT PER METER KG :- 0.18X1200 = 216KG BELT SPEED :- 14.92 M/MIN BELT SPEED MAX.:- 18.6 M/MIN HEAD DRUM SPEED :- 18.6 RPM MOTOR SPEED :- 1420 RPM GER BOX RATIO :- 50:1 WEIGH LENGHT :- 1000MM LOAD OF WEIGH LENGT:- 216 KG LOAD CELL RATING :- 250KG TRANSMITTER POWER SUPPLY :- 110-220V ,50HZ TRANSMITTER OUT PUT :- 4-20 MA TO CONTROL ROOM 0-100 PULS/MIN CONTROL ROOM ENCLOSURE CLASS IP 65 AM TEMP 10-60C DEG</p>	1	EA
05-02-00385	<p>N.P.K RAW MATERIAL WEIGH BELTS</p> <p>-----</p> <p>MATERIAL :- UREA OR AND MAP OR FILLER BULK DENSITY :- 0.75 -1.25 TONNES/M3 TEMP. :- 70C DEG. MAX.LOAD :- 60 T/H BELT WIDTH :- 650MM INGLINATION :- 0 ((LEVEL)) BELT SPEED 1.2 M/SEC LINER WEIGHT:- 10.145 KG/M IDLER SPACING :- 2000MM MOTOR SPEED :- 1440 RPM TRANSMITTER POWER SUPPLY :- 110-220V ,50HZ TRANSMITTER OUT PUT :- 4-20 MA TO CONTROL ROOM TRANSMITTER OUT PUT :- 0-100 PULS/MIN ENCLOSURE CLASS :- IP 65 AM TEMP. :- 10-60</p>	2	EA
05-02-00386	<p>MAXIMUM WEIGHT:- 84 KG/METER MAXIMUM FEEDRATE :- 33 T/HR MAX.MOTOR SPEED:- 1420 RPNM MAX.BELT SPEED:- 13.67 M/MIN BELT SPEED AT MAX.WEIGHT :- 6.55 M/MIN WEIGHT LENGTH :- 0.5 METER WEIGH IDLER LEVER RATIO :- 1.5:1 ACTIVE PULL IN TO LOAD CELL :- 28KG INCLINATION :- ZERO LEVEL</p>	2	EA
05-02-00387	<p>CHAINS FOR ELEVATOR BUCKET</p> <p>CHABLCO STEEL CHAIN TYPE ER 857 CHAIN PITCH (6")WITH K44 ATTACHMENT,EVERY 2 ND LINK DN THE</p>	100	MTR

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
05-02-00388	CHABLCO STEEL CHAIN TYPE ER 864 CHAIN PITCH (7")WITH K43 ATTACHMENT EVERY 2ND LINK ON THE OUT SIDE BAR	50	MTR
05-02-00389	CHABLCO STEEL CHAIN TYPE ER 956 CHAIN PITCH (6")WITH K24 ATTACHMENT EVERY 2ND LINK ON THE OUT SIDE BAR	50	MTR
05-02-00390	CHABLCO STEEL CHAIN TYPE ES 856 CHAIN PITCH (6")WITH K24	50	MTR
05-02-00391	CHABLCO STEEL CHAIN TYPE EX 857 CHAIN PITCH (6")WITH K44 ATTACHMENT EVERY 2ND LINK ON THE OUT SIDE BAR	150	MTR
05-02-00392	BUSH FOR CHAIN ER 857	600	EA
05-02-00393	PIN FOR CHAIN ER 857	600	EA
05-02-00394	BUSH FOR CHAIN ER 864	2,500	EA
05-02-00395	PIN FOR CHAIN ER 864	2,500	EA
05-02-00396	BUSH FOR CHAIN ER 956	300	EA
05-02-00397	PIN FOR CHAIN ER 956	300	EA
05-02-00398	BUSH FOR CHAIN REX 856	300	EA
05-02-00399	PIN FOR CHAIN REX 856	300	EA
05-02-00400	BUSH FOR CHAIN EX 857	600	EA
05-02-00401	PIN FOR CHAIN EX 857	600	EA
05-02-00402	SPARE PARTS FOR THICKENER	DIFF.	
05-02-00403	COMPLETE L.V SWITCH GEAR WITH ALL ACCESSOTIES	COMPL. SET	
05-02-00404	COMPLETE 6.6 KV SWITCH GEAR WITH ALL ACCESSORIES	COMPL. SET	
05-02-00405	COMPLETE DEISEL GENERATOR CAPACITY 3 M.W., 6.6 KV. WITH ALL ACCESSORIES	2	EA
05-02-00406	LEVEL MEASURMENT FOR PHOSPHORIC ACID PLANT PLEASE BE INFORMED THAT WE WOULD LIKE TO DEVELOP OR MODIFAY ALL LEVEL MEASURMENT INSTRUMENT IN OUR PHOSPHORIC ACID PLANT WHIGH IT IS ((SONIC LEVEL MEASURMENT)) TO A NEW MODULES OR ANY MODELS SUGGESTED BY THE MANUFACTURER. THESE MODELS SHOULD BE DESIGNED TO ALLOW US CONTINUOSLY LEVEL MEASURMENT INDICATE THE ACTUAL LEVEL AND PROVIDE AN ANALOG INDICATION ASWELL AS OPERATION OF SWITCHING CONTACT AT PREDTERMINED LEVEL. THE ((CHEMICAL+THERMAL+ABRASION)) ENVIROMENT OF THE AREA IN WHICH THE INSTRUMENT IS USED SHOULD BE TAKEN IN TO ACCOUNT AND ALSO SIGIFICANT CHANGES CAUSED BY(MOSTURE + CONDENSIT + FUME) WITH FORM AND LIQUID MOVEMENT CAUSED BY THE AGITATORS FOR THE RESION ABOVE	15	EA

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	MEASURING RANG :- 1-12 METER FOR INDICATION 5%-100% CURRENT OUT PUT 4-20MA POWER SUPPLY 24 VDC TEMP.OF THE LIQUID 90C DEG. ABOVE LIQUID :- PHOSPHORIC ACID + ROCKPHOSPHET PRESSURE :- OPEN TANK PROTECTION IP66 AMBIENT TEMP.0C DEG.-60C DEG. ACCURACY :- 1% OR 2CM (TYPICAL)		
05-02-00407	COMPLETE FAN WITH MOTOR ASPER INFORMATION BELOW FAN ----- TYPE:- 2DX DIA 1485 ARG T 8 REF:- 46009/584 606/77 DESIGN :- CENTRIFUGAL DRAWING NO :- 77-DX-6A OPERATING TEMP. 50C DEG.MAX. ROTATION SPEED :- 1485 R.P.M SHAFT DIA = 100MM MOTOR ----- TYPE :- AK 400L20 MARKER : ACEC NOMINAL POWER :- 295 KW SPEED :- 1489 R.P.M CLASS :- IP55 B3 ELECTRICAL MAIN : 6600 VOLT,3PHASE ,50HZ ELECTRIAL HEATING :- 220V .200 WATT WITH	1	EA
05-02-00408	CONTROL VALVES COMPLETE CONTROL VALVE BODY TYPE / ANGLE , BODY SIZE/PORT SIZE :200/93 END CONN & RATING : PN100 BODY MATERIAL : GS-17CRM055 PACKING MATERIAL : GRAPH ASBEST BONNET TYPE : OS & Y SEAT PLUG : NIRO SHAFT MATERIAL : NIRO ACTUATOR : TYPE: DIAPHRAM CLOSE/OPEN : 0.2/3 BAR FLOW ACTION TO: BALANCED FAIL POSITION: CLOSE HANDWHEEL & LOCATION : YES-SIDE POSITIONER : FILTERED REGULATOR : YES GAYES & BYPASS : YES INPUT SIGNAL : 4-20 MA DC OUT PUT SIGNAL : 0.2-3 BAR AIR SUPPLY PRESS : 3 BAR SERVICE:- FLUID :SUPERHEATED STEAM. QUANTITMAX/CV: 80000/236,6 , VALVE CV: 258.7 MAX INLET PRESS: 43.5 BAR MAX SHUT OFF PR. 30.7 BAR	2	EA

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
05-02-00409	<p>COMPLETE CONTROL VALVE BODY TYPE :- T BODY SIZE /PORT SIZE 200/200 END CONN & RATING :PN100 BODY MATERIAL: GS-G25 PACKING MATERIAL : GRAPH ASBEST BONNET TYPE ; YOKE ACTUATOR: TYPE ; ROLLING DIAPHRAM CLOSE AT/OPEN AT : 0.2/3 BAR FLOW ACTION TO : CLOSE FAIL POSITION : CLOSE HAND WHEEL & LOCATION: YES-SIDE POSITIONER : ----- FILLERED REGULATOR : YES GAGES:YES BY PASS : YES INPUT SIGNAL ; 4-20MA D.C OUT PUT SIGNAL: 0.2-3 BAR AIR SUPPLY PRESSURE:3BAR SERVICE: FLUID: SUPERHEATED STEAM MAX INLETPRESS: 53 BAR TEMP.MAX:- 350 C DEG. MOT. WT. 18</p>	2	EA
05-02-00410	<p>COMPLETE CONTROL VALVE BODY : TYPE : GLOBE ----- SIZE : DN 100 , END CONN. :P100 MATERIAL : R216 WCB PACKING MATERIAL: PTFE TRIM FORM :CAGE , TRIM MAT. :A351 SEAT & PLUG : CF8M , SHAFT MAT. : A182F316L ACTUATOR: TYPE : DIAPHRAM CLOSE AT : 0.2 BAR,OPEN AT : 1.3 BAR FLOW ACTION TO : BALANCED FAIL POSITION : CLOSE AF HAND WHEEL & POSITION : YES-SIDE POSITIONER : ----- FILLERED REGULATOR : YES GAGES : YES , BY PASS : YES INPUT SIGNAL : 4-20MA D.C OUT PUT SIGNAL : 0.2-1.3 BAR AIR SUPPLY PRESSURE:1.4BAR SERVICE: FLUID : WATER , Q.MAX.</p>	3	EA

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
05-02-00411	<p>COMPLETE CONTROL VALVE FOR LIQUID SULPHUR BODY : TYPE: STEAM JACKETED PLUG VALVE F.2.STD ----- SIZE : 40 , PORT SIZE : 40 , GUIDING : 1 NO.OF PORT : 1 , END CONN.& RATING DIN:FLG.PN25 MATERIAL : STEEL 1.4408 , BONNET TYPE : MFR.STD TRIM FORM :LINER REGULATING PLUG TRIM MAT. :SS AISI 304 , SHAFT MAT. : STEEL.1.4571 ACTUATOR: MODEL NO. & SIZE :A.Z ARMATUREN WR.43,5-SR TYPE : SPRING + DIAPHRAGM CLOSE AT/OPEN AT: 0.42 /2.1 BAR FLOW ACTION TO : OPEN FAIL POSITION SPRING TO : CLOSE POSITIONER : ----- MFR. & MODEL NO. :J.C. ECKADT MOD.:6981631 INPUT SIGNAL : 0.1 -1 BAR , OUTPUT SIGNAL : 1.4-6 BAR OPTION : LIMIT SWITCH FOR FULLY CLOSED POSITION ALL AIR</p>	3	EA
05-02-00412	<p>COMPLETE CONTROL VALVE FOR STEAM BOILER. TYPE OF BODY : GLOBE , BODY SIZE : DN200/DN200 GUIDING 1 2 , END CONNFRATING PN100 BODY MATERIAL A216 WCB PACKING MATERIAL GRAPHITE-ASBEST BONNET TYPE CODING FINS TRIMNATERIAL SEAT /PLUG/CAGES A182F6/A564 SHAFT MTI : A182F316 REQUIRED SEAT TIGHNESS 0-5.5% OF MAX CR VALVE ACTUATOR :- ----- TYPE DIAPHRAGM , CLOSE/OPEN : 02/3 BAR FLOW AETION TO: BALANCES , FAIL POSITION : CLOSE HAND WHEEL FLOCATION : YES-SIDE POSITIOR:- ----- FILTERED REGULATOR : YES , GAUGES + BYPASS : YES INPUT SIGNAL :4-20 MA , OUT PUT SIGNAL 0.2-1.3 BAR AIR SUPPLY PRESS :1.4 BAR SERVIES : FLUID SUPER HEATED STEAM -----</p>	3	EA

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
05-02-00413	PH - MEASUREMENT INDICATOR TRANSMETER POWER SUPPLY : 24 VDC,120 VAC-50HZ RANGE :2-12 PH 0/1 SIGNAL 4-20MA TEMP.: 0-100 DEG.	8	EA
05-02-00414	GLASS ELECTRODE	25	EA
05-02-00415	REFERENCE ELECTRODE	25	EA
05-02-00416	CABLE FOR GLASS ELECTRODE	25	EA
05-02-00417	THERMO RESISTANCE GLASS BOUL PT100 NOTE: ALL ITEM 2-3-4-5 SHOULD BE SUITABLE FOR USE WITH ITEM 1.	25	EA
05-02-00418	CONDUCTIVITY CELL TYPE SC41/FB04	25	EA
05-02-00419	P.P. PIPE AND PLATES P.P PIPE DIA. 140MM # 5.4MM ,6L LONG.	8	EA
05-02-00420	= = DIA. 355MM # 13.7MM , = =	8	EA
05-02-00421	= = DIA. 450MM # 17.4MM , = =	8	EA
05-02-00422	= = DIA. 560MM # 13.7MM , = =	8	EA
05-02-00423	P.P PLATE 2M X 1M X 8MM	8	EA
05-02-00424	= = 2M X 1M X 10MM	8	EA
05-02-00425	= = 2M X 1M X 5MM	8	EA
05-02-00426	= = 2M X 1M X 25MM	5	EA
05-02-00427	= = 2M X 1M X 30MM	5	EA
05-02-00428	P.P WELDING WIRE 3MM	15	EA
05-02-00429	= = = 4MM	25	EA
05-02-00430	= = = 5MM	25	EA
05-02-00431	HIGH DENSITY POLYETHYLEN FLEXIBLE ROLL 1 ROLL =100M X 10M X 2.5MM DENSITY = 0.94 G/CM3 TENSIL STRESS AT YELD =2500 PSI TENSIL STRESS AT BREAK =3400 PSI COF. OF LINEAR THERMAL EXPANSION =0.00012LDEG. WATER ABSORPATION =0.85% (4 DAYS) ELONGATION AT YELD =18% ELONGATION AT BREAK = 800% PUNCTURE RESTSTANCE =2.4 N	3	Roll
05-02-00432	TEFLON SLEEVES DIA 40/20MM L=300MM	10	EA
05-02-00433	TEFLON SLEEVES DIA 50/25MM. L=300MM	10	EA
05-02-00434	TEFLON SLEEVES DIA 70/40MM. L=300MM	5	EA
05-02-00435	TEFLON SLEEVES DIA 100/60MM. L=300MM	5	EA
05-02-00436	TEFLON SLEEVES DIA 130/80MM. L=300MM	5	EA
05-02-00437	TEFLON SLEEVES DIA 190/110MM. L=300MM	5	EA
05-02-00438	TEFLON SLEEVES DIA 150/100MM. L=300MM	5	EA
05-02-00439	TEFLON SLEEVES DIA 220/120MM. L=300MM	5	EA
05-02-00440	L.V. MOTORS 1.2KW ,980 R.P.M ,220/380V DELTA/STAR ,3.6/2.1 A VIBRATOR MOTOR HAVING SHAFT FRAM TWO SIDES WITH BALANCING WEIGHT TYPE :CS260-6,B3 MOUNTING IP65.	3	EA
05-02-00441	4KW ,980 R.P.M ,220/380V ,DELTA/STAR ,13/7.5A,VIBRATOR MOTOR HAVING SHAFT FRAM TWO SIDES WITH BALANCING WEIGHT TYPE :FS800-6 ,B3 MOUNTING IP65.	2	EA

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
05-02-00442	1.5KW , 3000 R.P.M , V1 MOUNTING , DELTA/STAR 220/380V, 5-7/3-3A, TYPE MT90S24F115-2 , IP55	1	EA
05-02-00443	4.2KW , 1500 R.P.M DRUM MOTOR, 380V, TYPE: R90DT- 112M4 IP55	2	EA
05-02-00444	5.5KW , 1500 R.P.M , B3, 380V, TYPE: D 132S, IP55	2	EA
05-02-00445	15KW, 1500 R.P.M, FRAME V1/160L, TYPE: 1LA3 166- 4AA4-2, 380V, IP55	2	EA
05-02-00446	7.4KW, 1500/39 R.P.M DRUM MOTOR, 380V/660V, TYPE: JOKI65N 17.5/10A, IP55 IP55	2	EA
05-02-00447	18.5KW, 1000 R.P.M, FRAME B3/180L, TYPE: 1LA4 186, IP55	1	EA
05-02-00448	18.5KW, 1500 R.P.M, B3, 380V, TYPE: BF5-160L62,	3	EA
05-02-00449	22KW, 1500 R.P.M, B3, 380V, TYPE: FA180LX34	2	EA
05-02-00450	22KW, 1500 R.P.M, B3, SLIP RING MOTOR, , 220/380V, DELTA/STAR TYPE FB200LV/4 IP55	1	EA
05-02-00451	60/14.5KW, 1475/730 R.P.M, FRAME B3/280 S, 380V, TYPE: AK1-280S2/44, IP55 STAR/STAR	2	EA
05-02-00452	110KW, 1500 R.P.M, FRAME B3/280M, 380V, S.N: H717L, IP55	2	EA
05-02-00453	0.75KW, 1500 R.P.M, B3, DELTA/STAR, 220/380V, 3.6/2.1A, IP55	5	
05-02-00454	150KW, 1500 R.P.M, B3, 380V, FRAME D315M, IP55	1	EA
05-02-00455	75KW, 1500 R.P.M, B3, 220/380 DELTA/STAR SLIP- RING , S.N: 15392/1	1	EA
05-02-00456	132KW, B3, 380V DELTA CONNEC. 1475 R.P.M, TYPE: FA315M4 , IP55	1	EA
05-02-00457	22KW, 380V, B3/5, 1460 R.P.M, TYPE: FA180L4 , IP55	1	EA
05-02-00458	7.5KW, 380V, 1445 R.P.M, TYPE: FA132M/4 , B3, IP55	1	EA
05-02-00459	160KW, 380V, 1480 R.P.M, B3, TYPE: FA335L/4 , IP55	1	EA
05-02-00460	4KW, 380V, B3, 2850 R.P.M, IN=8.7 AMP	1	EA
05-02-00461	DC MOTOR, 72KW, MAKE : SIEMENS ARMATURE VOLTAGE : 440V MAX, DC FIELD VOLTAGE: 310V, ADJUSTABLE SPEED 1000 R.P.M, V1, IP55, WITH TACHO GENERATOR , AND WITH FLANGED. TYPE : GF315-M4.1 NO. 124939/40 SCHALTBILD : MSB4-474-09 INSULATION CLASS : F SPEED VARIABLE : 300-1000 R.P.M DRIVEN EQUIPMENT : SLURRY TO FILTER PUMP COUPLING : DIRECT SERVICE CONDITION : 50C DUTY 24 HR STARTING METHOD : FROM THYRISTOR UNIT	1	EA
05-02-00462	CARBON BRICKS-EQUIVALENT TO DIDIER-NERACID-Z CHEMICAL ANALYSIS:- PITCH COKE ; 92%-94% ASES : 6%-8% PHYSICAL PROPERTIES:- BULK DENSITY :- 1.45 G/CM3 POROSITY :- <25% BY VOL. WATER ABSORPTION :- <17% BY WEIGHT COLD CRUSHING STRENGTH:- 350-450 KG/CM2	DIFF.	

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
05-02-00463	AGITATOR, FOR REACTION TANK, AS PER INFORMATION FLUID HANDLED L 40-50% H3PO4 1-3% F (H2SIF6) 25-4% GYPSUM SHAFT 20-25-4 + CU AND C/S (UPPER PART RUBBER LINED) SHAFT DIA AT PROPELLER 572.8MM AT COUPLING 200 PROPELLER = 20-25-4 + CU SHAFT LENGTH = 7350 MM PROPELLER DIA = 1900 MM SERVICE TEMP = 80 C" DEG.	1	EA
05-02-00464	COMPLETE GYPSUM SLURRY AGITATOR FOR PHOSPHARIC ACID PLANTE FLUID HANDELD - 40-50% H3PO4 1.5% H2SO4 1-3% F (H2SIF6) 25-40% GYPSUM TEMP. 40-80 DEG. SPESIFIC GRAVETY 1.6 AT 75 DEG. AGITATOR SPEED 62.6 R.P.M SHAFT 20-25-4 + CU AND C/S (UPPER PART RUBBER LINED) PROPELLER = 20-25-4 + CU SHAFT LENGTH = 6530 MM SHAFT DIA. AT PROPELLER DIA = 570.8 MM AT COUPLING 200 MM PROPELLER DIA. 1900 MM SERVICE TEMP = 80 C" DEG. OUT LINE DRAWING 97NH 241.1 AWN 01018 BAND-	1	EA
05-02-00465	AGITATOR FOR GYPSUM SLURRY FLUID HANDELD - 40-50% H3PO4 1.5% H2SO4 1-3% F (H2SIF6) 25-40% GYPSUM TEMP. 40-80 DEG. SPESIFIC GRAVETY 1.6 AT 70 DEG. AGITATOR SPEED 40 R.P.M SHAFT CS PLATED 20-25-4 + CU (UPPER PART SS+ RUBBER LINED) PROPELLER = 20-25-4 + CU SHAFT LENGTH = 4800 MM SHAFT DIA. AT PROPELLER DIA = 273 MM SHAFT DIA. AT COUPLING 160 MM OUT LINE DRAWING 350 485-B MER MISSENAUD - QUINT	2	EA
05-02-00466	SPARE PARTS FOR ENSIVAL PUMPS (16 PUMPS)	DIFF.	
05-02-00467	GASKETS, PACKING, OIL SEALS. AND O.RINGS	DIFF.	
05-02-00468	COMPLETE COMPRESSORS WITH HIGH VOLTAGE MOTORS WITH RECOMMENDED SPARE PARTS FOR TWO YEARS	3	EA
05-02-00469	Ball & cylindrical bearings, adapter sleeve & plummer block housing	2,642	pcs

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
05-02-00470	COMPLETE SET OF COILS FOR REWINDING H.V. MOTOR 6.6 KV	DIFF.	
05-02-00471	COMPLETE HIGH PRESSURE HORIZONTAL CENTERFUGAL MULTISTAGE DRINKING WATER PUMP WITH HIGH VOLTAGE MOTOR 6.6 KV. (R.P.M. 3000), 750 KW LIQUID= DRINKING WATER Q= 454M3/HR H= 428.0 M DISCHARGE NOZZEL= 150 MM SUCTION NOZZEL= 200 MM NPSH= 8 METER NO OF STAGE= 3	3	
05-02-00472	SPARE PARTS FOR EUCLID	DIFF.	
05-02-00473	SPARE PARTS FOR ELECTRIC SHOVEL TYPE 150 RB	DIFF.	
05-02-00474	SPARE PARTS FOR ROCK PHOSPHATE PUMP TYPE BC	DIFF.	
05-02-00475	REVAMPING OF AMMONIA PLANT.	DIFF.	
05-02-00476	SAFETY MATERIAL ANTIACID OVERALL WITH GLOVES AND SAFETY SHOES COMPLETE	250	EA
05-02-00477	ACID RESISTANT OVERALL	500	EA
05-02-00478	NORMAL OVERALL PROPABLY WITH PHOSPHATE LOGES	7,170	EA
05-02-00479	SAFETY SHOES	6,616	EA
05-02-00480	RESPIRATOR DUST GAS	1,000	EA
05-02-00481	SAFETY BELT	100	EA
05-02-00482	114 J+114 JM BENFIELD SULE TANK PUMP		
05-02-00483	104 J BOILER FEED WATER PUMP		
05-02-00484	VALVES		
05-02-00485	SAFETY VALVES		
05-02-00486	PIPES		
05-02-00487	YARWAY VALVES FOR BOILER FEED WATER PUMPS		
05-02-00488	RUPTURE DISKS		
05-02-00489	HEAT EXCHANGERS		
05-02-00490	MOTORS & GEAR BOXES FOR BAGGING SYSTEM		
05-02-00491	GASKETS	1,900	pcs
05-02-00492	LOCAL INSTRUMENT. CONTROL SYSTEM		
05-02-00493	WORK SHOP EQUIPMENT ,WELDING,MACHINE		
05-02-00494	WELDING RODS		
05-02-00495	GEAR BOXES		
05-02-00496	PNEUMATIC AND ELECTRICAL VALVES		
05-02-00497	BELT CONVEYOR	7,950	m
05-02-00498	BELT CONVEYORS ACCESSORIES		
05-02-00499	TUBES FOR PRIMARY REFORMER		
05-02-00500	BURNERS FOR PRIMARY REFORMER AUXILIARY BOILER,UTILITY BOILERS		
05-02-00501	PLATES		
05-02-00502	TUBE SHEETS , TUBES FOR HEAT EXCHANGER		
05-02-00503	PACKING		
05-02-00504	COMPLETE BAGGING SYSTEM		
05-02-00505	SPARE PARTS FOR PAGGING SYSTEM		
05-02-00506	LIFT SUPPLY FOR PRILLING TOWER		
05-02-00507	BEARING GENERAL ITEMS		
05-02-00508	MECHANICAL SEAL		
05-02-00509	VIBRATION MONITORS		
05-02-00510	FLOW METERS		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
05-02-00511	ELECTRICAL SUPPLY EQUIPMENT , SWITCH GEARS		
05-02-00512	CABLES		
05-02-00513	RELAYS & CIRCUIT BREAKER		
05-02-00514	ON-LINE ANALYTICAL INSTRUMENTS	114	pcs
05-02-00515	LABORATORIES EQUIPMENT		
05-02-00516	RECLAIMER		
05-02-00517	ZINC OXIDE FOR SULFUR REMOVAL VESSEL 108 D		
05-02-00518	Co/Mo CATALYST TO SULFUR REMOVAL VESSEL 108 D		
05-02-00519	LOW TEMPERATURE SHIFT CONVERSION CATALYST		
05-02-00520	HIGH TEMPERATURE SHIFT CONVERSION CATALYST		
05-02-00521	COOLING TOWER REVAMPING , PACKING FILLING		
05-02-00522	INSTRUMENT AIR COMPRESSOR		
05-02-00523	REVERS OSMOSIS UNIT [TWO UNITS , 300 m CAPACITY FOR EACH ONE] brackish water RO system in three trains with CIP 400 m3/hr permeate capacity	3	units
05-02-00524	NEW BOILER SUPPLY		
05-02-00525	EXPANSION TURBINE FOR N2 GENERATOR UNIT.		
05-02-00526	DISTRIBUTORS FOR IONIC EXCHANGER		
05-02-00527	CARBON		
05-02-00528	ALUMINA		
05-02-00529	Chemicals for cooling water treatment: CHIMEC7279 (Cocoalkyldimethylberizyl Ammonium Chloride<10%, Soyaalkyltrimethyl Amminium Chloride<10%, Chloromethylisothiazolinone<1%, Demineralized water to 100%) 23,940Kg CHIMEC 7464 (Polyethylene/Polypropylene Glycol<5%, Sodium Diotylsulfosuccinate<10%, Butylcellosolve<10%, Demineralized water to 100%) 23,790 Kg CHIMEC 1460 (Zinc Chloride<20%, Maleic Terpolymer<15%, Demineralized water to 100%) 99,960 kg	147,690	kg
05-02-00530	CARBON RESIN , SILICA GEL		
05-02-00531	LV OF BOILER A, B, C		
05-02-00532	CHLORINATOR FOR DRINKING WATER		
05-02-00533	NOZZELS & DISTRIBUTOR OF WATER TREATMENT		
05-02-00534	CIRCUIT PREAKER SPARE 33 KV		
05-02-00535	PHOTO CELL OF UTLITIY LIGHTING		
05-02-00536	WASTE WATER PUMPS COMPLET SET		
05-02-00537	HYDROLYZER FEED PUMP 314 J/JA COMPLETE SET		
05-02-00538	SPARE PART FOR S. TURBINE 102 JLJ1T / JLJ2T / 302JLJT		
05-02-00539	SPARE PART FOR S. TURBINE 103 JLJ1T / JLJ2T		
05-02-00540	SPARE PART FOR S. TURBINE 108 JT		
05-02-00541	SPARE PART FOR S. TURBINE 112 JT		
05-02-00542	SPARE PART FOR 103 JLJ2		
05-02-00543	SPARE PART FOR COLD AMMONIA PUMP 124 J		
05-02-00544	SPARE PART FOR HOT AMMONIA PUMP 125 J / JA		
05-02-00545	SPARE PART FOR CONDENSATE PUMPS 302 JTCJ / JTCJA		
05-02-00546	SPARE PART FOR UREA SOLUTION PUMPS 308 J/JA		
05-02-00547	SPARE PART FOR REFLUX PUMPS 305 J/JA		
05-02-00548	SPARE PART FOR ABSORBER FEED PUMPS 311 J/JA		
05-02-00549	SPARE PART FOR PROCESS CONDENSATE PUMPS 312 J/JA		
05-02-00550	SPARE PART FOR DESORBER FEED PUMPS 313 J/JA		
05-02-00551	SPARE PART FOR L.E CARBAMATE CONDENSER		
05-02-00552	SPARE PART FOR H.P SCRUBBER W.C.PUMPS 316 J/		
05-02-00553	SPARE PART FOR STEAM CONDENSATE PUMPS 317 J / JA		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
05-02-00554	SPARE PART FOR SCRUBBER MAKE UP WATER PUMP 322J/JA		
05-02-00555	SPARE PART FOR REFLUX CONDENSER		
05-02-00556	SPARE PART FOR UREA PUMPS 307 J/JA. 304J/JA	678	pcs
05-02-00557	TRI-SEN FOR (101 J + 105 J)		
05-02-00558	THERMO COUPLES		
05-02-00559	INSPECTION & SAFETY EQUIPT		
05-02-00560	VANADIUM PENTOXIDE V2O5		
05-02-00561	H.P.SULFUR PUMP		
05-02-00562	REPLACEMENT OF HYDRAULIC GOVERNORS 302JT,103JT,102JT		
05-02-00563	REPLACEMENT SEAL OIL SYSTEM FOR 105J & 103J		
05-02-00564	BOLTS & NUTS FOR UREA REACTOR		
05-02-00565	RADIO ACTIVE MEASUREMENT FOR 301D(UREA		
05-02-00566	COMPLETE BODY FOR UREA VALVES HV-9201,LV-9402		
05-02-00567	RAW MATERIAL FOR WORKSHOPE		
05-02-00568	KARL FISHER REAGENT		
05-02-00569	OIL SEAL		
05-02-00570	O-RING		
05-02-00571	TUBES FOR BOILER A		
05-02-00572	MEASURMENT INSTRUMENTS		
05-02-00573	Urea stripper Zirconium material	1	
05-02-00574	Revamping of Cooling Towers	2	
05-02-00575	Revamping of Reverse Osmosis 1000 M3H	1	
05-02-00576	Reforming Tubes for Ammonia plant Material :- 24.24 Ni-Cr	100	pcs
05-02-00577	Waste Heat Boiler for NH3 Plan E- 109	1	bundle
05-02-00578	Instrument Air Compressor with Dryer Type = screw , Oil Free Gas = Air (DRY) Dish Pr. = 10 kg / cm2 g Q = 5000 m3 / hr.	1	
05-02-00579	Sanitary Waste Pump of - P892 AB 893 AB 894 AB Vertical type :- Q = 25 m3 / hr. Pr. = 2.0 kg. / cm2 g	3	
05-02-00580	Gear Box for Boiler Feed Water Pump P-801 - Gear Box Gear Unit Type = Double helical Related Power = 950 kw. Input r.p.m = 1470 Output = 3612	2	pcs
05-02-00581	Cooling Towers Chemical N-7356 Plus N-23203 N-7330	For one year	
05-02-00582	Spare Parts for Circulating Pump In Ammonia	6	pumps
05-02-00583	Plates Sus. 304 Plates Sus. 316	25 25	ton ton
05-02-00584	General Pipings STPG 38 , STSY 2 SUS 304L , SUS 316L STPA 12 , STPA 24	15,000	M

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
05-02-00585	Valves SCPH 2 , FC-20 , SCPH 11 , SUS 304 (Different Size)	1,750	pcs
05-02-00586	Fittings STPG 38 , STSY 2 SUS 304L , SUS 316L STPA 12 , STPA 24	8,000	pcs
05-02-00587	Stud Bolt with different sizes A - 193 B7 , A S35C	110	ton
05-02-00588	Thermocouple With well Type:- k Material - Incolloy 800	6	pcs
05-02-00589	Telephone Exchange 400 Line	1	
05-02-00590	Instruments for Laboratory Analyzer Equipment a- PH Meter Bench Type Digital b- E.C. Meter Bench Type Digital c- Dew Point Meter Digital Range (-70 C ° ~ + 50 C °) d- Gas Analyzer Portable Digital O2 & NH3 Include two level range:- Low Range ; - 0-1000 ppm. High Range :- 1000 ppm - 10% e- Carbon Residual Digital Limit Temp. (0- 800) C ° Low Range & High Range f- Dissolved Oxygen Digital Include two level Range :- Low Range :- 0 - 1000 ppm High Range :- 1000 ppm - 99% g- Specter photo Meter Digital Computerized . h- Karl Fischer Digital for water. To determine the moisture in Oil, Solids in (mg./L). High Sensitive. i- Flash Point Digital Computerized . j- Auto Clave k- Gas Chromatography Digital Computerized. For Analysis of reforming & Ammonia converted	Diff	
05-02-00591	Inspector Equipment a- Portable Material Identification Equipment to check composition of ferrous & non ferrous Material. b- Eddy Current Tube Detector for non- Ferrous & Ferrous Material c- Hydraulic Tube Leak Test Detector d- Portable O2 Detector e- X- Ray Unit 300 KV	Diff	
05-02-00592	Shovel Diesel 6 Slander - Automatic -Tires Bucket size = 1.8 m3 × 2.3 m3 Turbo Charger	2	
05-02-00593	Fork Lift 1- Fork Left 3 ton - Diesel Engine - 4 slander Gear Automatic 2- Fork Left 5 ton - Diesel Engine - 4 slander Gear Automatic	5	

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
05-02-00594	Excavators Diesel - Gear Automatic - 6 slander Tires size = 0.7m3 80 × 70 cm Turbo Charger	1	
05-02-00595	Alkaline Batteries V. 1.2 V	200	pcs
	L . Improvement of agricultural tractor production and irrigation system		
05-02-00596	Tractor parts : - Engin (72 - 80) HP - Gear box - Transmission box - Spare parts	500	sets
05-02-00597	Parts for irrigation systems	1,000	sets
05-02-00598	Pump 4 *4 with P . T . O garden for tractor	1,000	unit
05-02-00599	Fire fighting truck	2	unit
05-02-00600	Diesel forklift 3,5 and 10 tons	10	unit
50-02-00601	Generator: 1.5 Megawatt	2	unit
05-02-00602	Cane Loader Four Wheel Drive Caterpillar Diesel Engine Lift Capacity : 1700KG Lower Steering - Rear wheel hydrostatic	4	unit
05-02-00603	Forklift Capacity: 15000KG	4	unit
05-02-00604	Forklift Capacity: 3000KG	5	unit
05-02-00605	Sugar Centrifuge Capacity 1-1.5 ton / cycle with electrical controls (full automatic)	2	unit
05-02-00606	ammonium sulphate	100	ton
05-02-00607	Generating sets, different voltages, with spare parts	38	unit
05-02-00608	supplying materials with accessories and spare parts	12	sets
05-02-00609	wagon scale, belt weight scale and truck scale	3 (1 of each)	unit
05-02-00610	Steam Turbine	5	
05-02-00611	Valves of different sizes and types used in various pumps of the factory angel valve. check valve, globe valve, gate valve.	189	
05-02-00612	Saccharimeter asset used for measuring sugar percentage in sugar solution	2	
05-02-00613	Colorimeter used to measure color in sugar solution	1	
05-02-00614	Electrical conductivity used to measure high concentration for water treatment	1	