

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-01-001	CASING & TUBING (VARIOUS SIZES, GRADES & WEIGHTS)	MTR.	200000
08-06-01-002	CASING ACCESSORIES (VARIOUS)	NOS.	7500
08-06-01-003	CORE HEAD.	NOS.	5
08-06-01-004	ROCK BITS(VARIOUS)	NOS.	600
08-06-01-005	NOZZLES (VARIOUS)	NOS.	1200
08-06-01-006	SINGLE PACKER (VARIOUS)	SET	40
08-06-01-007	OIL WELL CEMENT & ADDITIVES.	TON	600
08-06-01-008	MUD MATERIALS(BARYTES, BENTONITE, XC-POLYMER, CAUSTIC SODA, SODA ASH, POLYMER CELLELOUSE, SODIUM BICARBONAT, CMC-LV, CMC-HV, MICA FLAKES, F.C.LIGNOSULFONATES, STARCH, ANTIFOAM, PRIMARY, EMULSIFIRE, SECONDARY EMULSIFIRE, LIME, SODIUM DICROMATE, CELLOPHAN, GELTON, ATTAPULGITE, STUCK BREAKER, FLOSAL, IRONITE SPONGE) .	TON	12000
08-06-01-009	WELL HEADS & X - MAS TREES (VARIOUS) WITH ACCESSORIES AND SPARE PARTS COMPLETE	ASSEMBLY	40
08-06-01-010	LINER HANGER & ACCESSORIES.	SET	25
08-06-01-011	CROSS-OVER SUBS.	NOS.	120
08-06-01-012	DRILLING SERVICES CONTRACTS / CONTRACTOR WILL BE RESPONSIBLE FOR DRILLING THE WELLS EXCEPT MATERIALS WHICH WILL BE PROVIDE BY NOC. CONTRACT WILL BE ADMINISTRED BY IRAQI DRILLING COMPANY	WELL	40

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-02-013	X-MAS TREE& TUBING HANGER WITH ACCESSORIES AND SPARE PARTS (VARIOUS SIZES)	ASSEMBLY	18
08-06-02-014	DOUBLE STUDDED ADAPTERS & ACCESSORIES	SET	55
08-06-02-015	CASING & TUBING (VARIOUS SIZES, GRADES & WEIGHTS).	MTR.	22000
08-06-02-016	SINGLE PACKERS WITH ALL ACCESSORIES	SET	20
08-06-02-017	UNCEMENTED LINER HANGER	SET	3
08-06-02-018	DUAL PACKER WITH ALL EQUIPMENT & ACCESSORIES	SET	3

**ACTIVITY NO. (03): SUPPORTING MATERIALS AND EQUIPMENT
FOR WELLS PRODUCTION MAINTENANCE**

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-03-019	DRILLING SIMULATOR.	SET	1
08-06-03-020	SOFT WARE FOR DRILLING APPLICATION.	SET	1
08-06-03-021	EQUIPMENT WITH ALL ACCESSORIES FOR OIL WELL CEMENT SLURRY LAB TESTS.	SET	3
08-06-03-022	LAB. TESTING EQUIPMENT FOR OIL, GAS AND WATER WITH SPARE PARTS & ACCESSORIES .	SET	113
08-06-03-023	GEOLOGICAL LAB TESTING EQUIP . WITH SPARE PARTS & ACCESSORIES .	SET	17
08-06-03-024	HYDROCHLORIC ACID .	TON	1500
08-06-03-025	ACID CORROSION INHIBITOR.	GAL	2750
08-06-03-026	WIRE LINE EQUIPMENT AND SPARES. FOR FIELD MEASUREMENT AND LOGGING SYSTEMS*	ITEM	400*
08-06-03-027	SPARES FOR AMERADA PRESSURE GAUGES.	ITEM	2800
08-06-03-028	PRESSURE GAUGES.	NOS.	70
08-06-03-029	PERFORATION MATERIALS(HOLLOW CARRIER CHARGES, DETONATING CORD, DETONATING FUSES &ACCESSORIES TO ALL ABOVE).	ITEM	5
08-06-03-030	LOGGING SERVICES.	WELL	50
08-06-03-031	PROCESS AND MULTIPHASE FLOW SIMULATOR.	SET	1
08-06-03-032	SPARE PARTS FOR CEMENTING UNITS & TYRES.	ITEM	125
08-06-03-033	SPARES FOR TESTING EQUIPMENT	ITEM	200

* amended 17 August 99

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-034	FILTER ELEMENT FOR VOITH TURBO COUPLING TWIN FILTER TYPE NW 50	SET	8
08-06-00-035	GEAR BOX COMPLETE UNIT	NOS.	1
08-06-00-036	SPARE PARTS FOR MEDIVANE CENT. PUMP:-		
08-06-00-037	A- THRUST PAD R.H. NO.(4 ER)	SET	7
08-06-00-038	B- THRUST PAD L.H. PART NO.(4 ER)	SET	7
08-06-00-039	C- GLAND PACKING SIZE 14.5 mm2	NOS.	56
08-06-00-040	SPARE PARTS FOR ELECTRIC MOTOR DRIVEN PUMP (EACH SET CONSISTS OF TWO PARTS)	SET	6
08-06-00-041	MULTI STAGE CENTRIFUGAL PUMP DRIVEN BY SUITABLE DIESEL ENG.	NOS.	2
08-06-00-042	CRUDE OIL FLOW COUNTERS (3" x 3 ") ,1000 L/M	NOS.	10

MISC. EQUIPMENT & ACCESSORIES FOR FIRE

FIGHTING & SAFETY

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-043	FIRE FIGHTING TRUCK (WITH HYDRAULIC BOOM & CAP.WATER 4000 L, FOAM 4000 L	NOS.	1
08-06-00-044	FLUOR – PROTEIN FOAM	LIT	50000
08-06-00-045	HYDRANT VALVE	NOS.	80
08-06-00-046	FIXED MONITOR (WATER)	NOS.	40
08-06-00-047	DELIVERY HOSE		
	A- 30 M LENGTH, SIZE 2 ¾” B- 30 M LENGTH, SIZE 1 ¾”	NOS. NOS.	100 50
08-06-00-048	COMPRESSED AIR BREATHING APPARATUS	NOS.	20
08-06-00-049	OXYGEN BREATHING APPARATUS	NOS.	10
08-06-00-050	MINI GAS INDICATOR	NOS.	5
08-06-00-051	FLAMMABLE GASES & VAPOR INDICATOR	NOS.	15

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-052	SPARE PARTS FOR SOFTENED WATER PUMPS:- 205A/B TYPE WK 40/4N A- PUMP SHAFT DRW. NO. (1751.21M/3) B- BALL BEARING C- CYL. BEARING D- TRANSMISSION UNIT	NOS. NOS. NOS. NOS.	2 2 2 2
08-06-00-053	SPARE PARTS FOR INDUSTRIAL WATER PUMPS (TRANSMISSION UNIT)	NOS.	2
08-06-00-054	SPARE PARTS FOR FLARE K.O. DRUM DISC. PUMPS:- A- MEMBRANE UNIT (2711-291M/4) B- BALL BEARING	NOS. NOS.	2 4
08-06-00-055	SPARE PARTS FOR RECOVERY OIL PUMPS:- A- BALL BEARING B- MEMBRANE UNIT C- MECH. SEAL	NOS. NOS. NOS.	2 2 2
08-06-00-056	SPARE PARTS FOR DEOILED WATER PUMPS 304A/B TYPE WK 80/4 :- A- IMPELLER B- TRANSMISSION UNIT C- MECH. SEAL	NOS. NOS. NOS.	3 2 2
08-06-00-057	TRANSMISSION UNIT FOR TANK DRAIN PUMPS	NOS.	2
08-06-00-058	MEMBRANE UNIT FOR MANIFOLD PITS PUMPS	NOS.	2
08-06-00-059	BALL BEARING FOR OILY WATER PUMPS	NOS.	4
08-06-00-060	MECH. SEAL COMPLETE UNITS FOR CRUDE OIL TRANSFER PUMPS.	NOS.	4
08-06-00-061	SPARE PARTS FOR SUCKER ROD PUMPS:- A- ROD VALVE B- SHOE UPPER HALF C- CAGE TOP PLUNGER D- BARREL TUBE HARDENED	NOS. NOS. NOS. NOS.	8 8 8 8

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-062	GAS COMPRESSION TRAIN	SET	3
08-06-04-063	ACTIVITY NO.(04) :- PRODUCTION FACILITIES IN BAI HASSAN SOUTH INCLUDING THE FOLLOWING MAJOR ITEMS: THREE PHASE 1 ST . STAGE SEPARATOR 3*35000 BOPD. OPERATING AT 150 psig. THREE PHASE TEST SEPARATOR 10000 BOPD OPERATING AT 60 psig.	NOS. NOS.	3 1
08-06-05-064	ACTIVITY NO.(05) :- PRODUCTION FACILITIES IN BAI HASSAN NORTH INCLUDING THE FOLLOWING MAJOR ITEMS: THREE PHASE 1 ST . STAGE SEPARATOR 2*35000 BOPD. OPERATING AT 150 psig. THREE PHASE TEST SEPARATOR 10000 BOPD OPERATING AT 60 psig.	NOS. NOS.	2 1
08-06-06-065	ACTIVITY NO.(06) :- PRODUCTION FACILITIES IN BAI HASSAN DAWOOD INCLUDING THE FOLLOWING ITEMS : THREE PHASE 1 ST . STAGE SEPARATORS 2*35000 BOPD. OPERATING AT 150 psig. THREE PHASE TEST SEPARATOR 10000 BOPD OPERATING AT 60 psig .	NOS. NOS.	2 1
08-06-00-066	DIESEL OPERATED MOBILE HEAVY OIL PUMP (ALL AREAS)	NOS.	2

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-067	REFRIGERATOR TRUCK . CHASSIS 4x2 , WITH DIESEL ENGINE . H.P (300).	NOS.	2
08-06-00-068	CESSPIT EMPTIER TRUCK . CHASSIS 4x2 DIESEL ENGINE .H.P (200 – 250) . TANK CAPACITY 8000 LIT ,	NOS.	3
08-06-00-069	OIL TANK TRUCK . CHASSIS 4x2 . DIESEL ENGINE H.P (250 – 300) . TANK CAPACITY 12000 LIT	NOS.	5
08-06-00-070	WATER TANK TRUCK . CHASSIS 6x4 WITH DIESEL ENGINE . H.P (300 – 350) , TANK CAPACITY 12000 LIT	NOS.	5
08-06-00-071	BUS (45) SEATER . 4x2 . WITH A / C , DIESEL ENGINE , H.P (250 – 300) .	NOS.	50*
08-06-00-072	BUS (30) SEATER .4x2 .WITH A / C , DIESEL ENGINE , H.P (150) .	NOS.	15*
08-06-00-073	BUS (12) SEATER WITH A / C, PETROL ENGINE , H.P (8-100) .	NOS.	30*
08-06-00-074	STATION WAGON 4 X 4, 7 SEATER PETROL ENGINE, H.P. (120) MANUAL TRANSMISSION .	NOS.	75*
08-06-00-075	PICK-UP DOUBLE CABIN , 4 x 2 , 5 SEATERS, 4 DOORS , PETROL ENGINE , H. P. (100 - 120) , MANUAL TRANSMISSION ,	NOS.	110*
08-06-00-076	LORRY 12 TON , DIESEL ENGINE , H. P (300 – 350) , 6 x 4 WITH CRANE MAX CAPACITY (6) TON.	NOS.	10

* amended 3 November 99

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-077	TIP TRUCK . CHASSIS 6x4 DIESEL ENGINE , H . P (300 - 350) . DUMP CAPACITY (12) M3 ..	NOS.	10
08-06-00-078	TURNTABLE TRUCK SUITABLE FOR PIN SIZE 3.5"x 4.5" LO FOR 70 TONS MINIMUM . SEMI – TRAILER (LOW LOADER). 6x4 DIESEL ENGINE. H.P. (350 – 400) .	NOS.	3
08-06-00-079	TURNTABLE TRUCK SUITABLE FOR PIN SIZE 3.5" x 4.5" LONG , 6x 4 ,DIESEL ENGINE .H.P(350 – 400) .	NOS.	7
08-06-00-080	CEMENT MIXTURE FITTED ON CHASSIS 6x4 ,DIESEL ENGINE. H . P (300) , SEPARATE ENGINE FOR MIXTURE , MIXTURE CAPACITY (8) M3 ..	NOS.	4
08-06-00-081	BULL DOZER CRAWLER TYPE, WITH DIESEL ENGINE, H.P. (350 – 400) , BLADE BUCKET CAPACITY (10 – 12) M3 , WITH A SINGLE SHANK .	NOS.	4
08-06-00-082	EXCAVATOR WHEEL TYPE, H. P. (160 – 180) , BUCKET CAPACITY 0.5 – 1 M3.	NOS.	2
08-06-00-083	EXCAVATOR CRAWLER TYPE, H.P. (220 – 260) . BUCKET CAP. 1-2M3,	NOS.	2
08-06-00-084	MOTOR GRADER, WITH DIESEL ENGINE . H.P. (200 – 250) . BLADE CAPACITY (2) M3 ..	NOS.	5
08-06-00-085	MOBILE HYDRAULIC CRANE. 6 x 4 , WITH DIESEL ENGINE, H.P. (250 – 300) , LIFTING CAPACITY 20 TON WITH FLYJIB ..	NOS.	5
08-06-00-086	MOBILE HYDRAULIC CRANE. 6 x 4 , WITH DIESEL ENGINE, H.P. (250 – 300) , LIFTING CAPACITY 50 TON WITH FLYJIB.	NOS.	1
08-06-00-087	MOBILE HYDRAULIC CRANE. 6 x 4 , WITH DIESEL ENGINE, H.P. (250 – 300) , LIFTING CAPACITY 30 TON WITH FLYJIB.	NOS.	2
08-06-00-088	HYDRAULIC WHEEL LOADER, WITH DIESEL ENGINE, H. P. (220) , BUCKET CAPACITY (3) M3 .	NOS.	4
08-06-00-089	GENERATOR 75 K VA , 50 HZ , 3PH , DIESEL ENGINE	NOS.	4

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-090	GENERATOR 1000 K VA , 50 HZ , 3PH, DIESEL ENGINE	NOS.	2
08-06-00-091	GENERATOR 500 K VA, 50 HZ, 3PH, DIESEL ENGINE	NOS.	3
08-06-00-092	GENERATOR 250 K VA , 50 HZ, 3PH , DIESEL ENGINE	NOS.	3
08-06-00-093	GENERATOR 30 K VA , 50 HZ , 3PH , DIESEL ENGINE , ON FOUR WHEEL TRAILER	NOS.	2
08-06-00-094	GENERATOR 10 K VA, 50 HZ, SINGLE PHASE, DIESEL ENGINE, ON FOUR WHEEL TRAILER	NOS.	4
08-06-00-095	LIGHTING SET ,DIESEL ENGINE AIR COOL , 12 K VA / FITTED ON TWO WHEEL TRAILER .	NOS.	4
08-06-00-096	LIFTING TRUCK (5) TON, DIESEL ENGINE, H.P. (100 – 120) . MAX LIFTING HEIGHT (5) M .	NOS.	10
08-06-00-097	LIFTING TRUCK (10) TON , DIESEL ENGINE , H . P (150 – 180) , LIFTING MAX HEIGHT (7 – 8) M .	NOS.	5
08-06-00-098	DUMPER , DIESEL ENGINE AIR COOLED , H . P (12) . BUCKET CAPACITY (1.5) M3 ..	NOS.	10
08-06-00-099	VIBRATING ROLLER ,DIESEL ENGINE H.P 30 – 50 , HYDROSTATIC TRANSMISSION. STEERING SYSTEM : HYDRAULIC.	NOS.	2
08-06-00-100	DIESEL LUBRICATING UNIT , 4 X 2 CHASSIS , SINGLE CABIN , H.P. 250-300 MANUAL TRANSMISSION EACH SIDE .	NOS.	2
08-06-00-101	MOBILE WORKSHOP FOR ELECTRIC USAGE WITH A/C , CHASSIS 4 X 4 , H.P. 250-300 , MANUAL TRANSMISSION ASSEMBLY.	NOS.	2

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-102	SCANIA TRANSMISSION ASSEMBLY WITH PLANETARY TRANSMISSION ASSEMBLY .	NOS.	20
08-06-00-103	MITSUBISHI PAJERO 4WD TRANSMISSION WITH TRANSFER ASSEMBLY .	NOS.	6
08-06-00-104	MITSUBISHI , L 200, W – CAB , 4WD TRANSMISSION WITH TRANSFER ASSEMBLY.	NOS.	2
08-06-00-105	ENGINE ASSEMBLY WITH ALL ACCESSORIES ENGINE TYPE. MITSUBISHI 4 G 54 MODEL VEHICLE : LO 47 G . S / NO. JO 4704 – GA 7319.YEAR 1985	NOS.	10
08-06-00-106	ENGINE ASSEMBLY TOYOTA WITH ALL ACCESSORIES TYPE : 2F .	NOS.	10
08-06-00-107	ENGINE ASSEMBLY TOYOTA WITH ALL ACCESSORIES TYPE : 3F .	NOS.	5
08-06-00-108	ENGINE ASSEMBLY WITH CLUTCH NISSAN VEHICLE.	NOS.	10
08-06-00-109	SHAFT REAR AXLE HINO TIP TRUCK VEHICLE .	NOS.	20
08-06-00-110	TRANSMISSION ASSEMBLY FITTED TO SHOVEL KAWASAKI KSS 70B .	NOS.	2
08-06-00-111	TRANSMISSION ASSEMBLY FITTED TO LIFTING TRUCK KOMATSU FD 50(5) TON .	NOS.	2

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-112	TRANSMISSION ASSEMBLY FITTED TO LIFTING TRUCK KOMATSU FD 30 – (3) TON .	NOS.	2
08-06-00-113	ENGINE ASSEMBLY WITH ALL ACCESSORIES FITTED TO ROLLER SAKAI .	NOS.	1
08-06-00-114	ENGINE ASSEMBLY WITH ALL ACCESSORIES MITSUBISHI 8V 8D DIESEL WATER COOL FITTED TO CRANE KATO CAPACITY 120 TON	NOS.	1
08-06-00-115	ENGINE ASSEMBLY WITH ALL ACCESSORIES CATERPILLAR TYPE 34 06 FITTED TO CRANE GROVE 75 TON ,	NOS.	1
08-06-00-116	ENGINE ASSEMBLY WITH ALL ACCESSORIES CATERPILLAR TYPE D 3208 FITTED TO CRANE GROVE 75 TON	NOS.	1
08-06-00-117	PETROL FILLING PUMP TO BE INSTALLED IN EXISTING FILLING STATION .	NOS.	3
08-06-00-118	GAS OIL FILLING PUMP . TO BE INSTALLED IN EXISTING FILLING STATION.	NOS.	2

LOCATION: ALL FIELDS

ACTIVITY NO. (07): FLOW LINES , FITTING FOR WELLHEAD

CONNECTIONS
FOR (53) WELLS

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-07-119	PIPES, DIFFERENT SIZES	KM	190
08-06-07-120	VALVES, DIFFERENT TYPES	NOS.	150
08-06-07-121	FITTING (ELBOWS, REDUCERS & FLANGES)	NOS.	1600

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-122	33KV PACKAGE SUBSTATION FOR PROCESS PLANT WITH ALL ACCESSORIES.	PACKAGE	1
08-06-00-123	SPARE PARTS FOR 110 V SYSTEM (RECTIFIER+ INVERTER) AT PROCESS PLANT (PRINTED CARDS , THYRISTOR , DIODES...ETC) TYPE SAB – NIFE	ITEM	20
08-06-00-124	SPARE PARTS FOR O/H CRANE 3 TON & 5 TON TYPE STAHL AT AB1, 2,3 (MANUAL OPERATION SW. & CABLE , RELAYS, TIMERS, LIMIT SWITCH. .ETC)	NOS.	30

B. INSTRUMENT

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-125	REPLACEMENT OF THE EXISTING AUTOMATIC GAS FIRING SYSTEM & MODIFICATION OF SOME OBSOLETE MAIN INSTRUMENTS BY NEW UP TO DATE FULLY – AUTOMATIC GAS FIRING CONTROL SYSTEM FOR BOILER	UNIT	9

C.MECHANICAL

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-126	REPLACEMENT OF EXISTING GROUND FLARE AND REHABILITATION OF TOWER FLARE SYSTEM AT PROCESS PLANT	LOT	1
08-06-00-127	PREMIXED CONCRETE READY TO USE FOR LINING REPAIRE & PROTECTION OF OIL HEATER & CHIMNEY STEEL SHELL AGAINST HEAT, H2S & SO2 GASES STAINLESS STEEL ANCHORS Y TYPE OR V TYPE (LENGHT 10-50 CM) .	TON NOS.	700 7000
08-06-00-128	SPARES FOR REBOIL PUMP TYPE ZM1 750/06 AT NEW PROCESS	NOS.	175
08-06-00-129	TUBES FOR STEAM BOILER 3 “ OD X 11 F ASTM A- 53 GASKET FOR STEAM BOILER 320 X 220 X 25 X 10 MM	NOS. NOS.	100 75
08-06-00-130	SPARES FOR AIR COMP. TYPE K.S.B. TYPE TV 12 / TV 5	ITEM	15

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-131	LOW VOLTAGE MOTORS FOR GAS COMP. STN. (AB1 TO AB8)	NOS.	40
08-06-00-132	SPARE PARTS FOR CENTRILIFT CRUDE SUBMERSIBLE PUMPS AT JABAL BUR	ITEM	8
08-06-00-133	OIL IMMERSION HEATERS FOR GAS COMP. LUB OIL SYSTEM.	NOS.	8
08-06-00-134	SPARE PARTS FOR 110 V. SYSTEM(RECTIFIER+ INVERTER) AT KHAHAZ OIL FIELD (PRINTED CARDS , RECTIFIER BRIDGE , THYRISTOR...ETC)	NOS.	50
08-06-00-135	BEARING FOR H.P & L.P COMP. MOTOR TYPE T.P.C B 800 B4	NOS.	6
08-06-00-136	SPARE PARTS FOR 400 V EMERGENCY DIESEL GENERATOR TYPE CATERPILLAR IN KHAHAZ OIL FIELD	SET	8

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-137	.REPLACEMENT OF OBSOLETE SOLAR TURBINE& COMP. TURBINE SYSTEM CONTROL SYSTEM TYPE CS4000	SET	3
08-06-00-138	SPARES FOR SOLAR TURBINES (PRESSURE & TEMP SWITCH ,GAS FUEL CONTROL ASSEMBLY, SOLENOID VALVE...etc.	LOT	1
08-06-00-139	REPLACEMENT OF OBSOLETE CONTROL SYSTEM OF GHH GAS COMPRESSOR AT AB/11	SET	2
08-06-00-140	ANTI SURGE CONTROL VALVE AT AB/8 COMPLETE WITH ALL ACCESSORIES	NOS.	1
08-06-00-141	TEMP.RECORDERS FOR GAS COMPRESSOR REPLACEMENT FOR OBSOLETE 6 CHANNEL MEASURING RANGE 0-200 C, POWER SUPPLY 115 VAC 50 HZ, DIMENSION 280X280 MM	NOS.	15
08-06-00-142	OVER HAUL SPARE KIT FOR SHUTDOWN VALVE	ITEM	23
08-06-00-143	CONTROL & MEASURING INSTRUMENT FOR ALL DEGASSING & COMPRESSOR STATION.	NOS.	250
08-06-00-144	SPARE PARTS FOR KHABAZ PLC CONTROLLERS	ITEM	18
08-06-00-145	AUTOMATIC TANK GUAGE FOR MEASUREMENT OF LIQUID (OIL, WATER) LEVEL IN FIXED CONE ROOF TANKS AT KHABAZ FIELD.	NOS.	6

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-146	SPARE PARTS FOR SOLAR TURBINES	ITEM	25
08-06-00-147	SPARE PARTS MECHANICAL FOR HITACHI TURBINE	ITEM	25
08-06-00-148	SEAL OIL PUMP FOR GAS COMP. STATION	NOS.	8
08-06-00-149	REPLACEMENT OF HIGH & LOW PRESSURE TURBINE ROTOR FOR L.P. H.P HITACHI M314 2 AT AB8.	SET	1
08-06-00-150	REHABILITATION/REBUILDING OF HITACHI GAS TURBINE TRAIN B OF AB2.	SET	1
08-06-00-151	REPAIR OF GAS TURBINE ROTORS & NOZZELS FOR HITACHI M3142 (SERVICE CONTRACT IN SPECIALIZED WORKSHOPS ABROAD) FOR AB3 TRAIN(C)	SET	8
08-06-00-152	REPAIR OF GAS PRODUCER TURBINE ROTOR (SOLAR) AT AB4 CS 4000 (SERVICE CONTRACT AT SOLAR WORKSHOPS)	SET	1
08-06-00-153	REPLACEMENT OF COPPUS STARTING TURBINE HITACHI AT AB 1 , 2 , 3	SET	3
08-06-00-154	MECHANICAL PARTS FOR KHAJAZ COMPRESSORS	NOS.	20
08-06-00-155	CONNECTION OF SHURAU DEGASSING TO PROCESS PLANT		
	- LINE PIPE 20 " ERW BEVELED ENDS, L X 52	KM	5
	- LINE PIPE 16 " ERW BEVELED ENDS, L X 52	KM	4
	- FITTINGS & ACCESSORIES FOR ABOVE PIPES	LOT	2

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-156	SPARE PARTS FOR GT-35 GAS TURBINE GENERATOR ELECTRICAL (50 ITEMS),MECHANICAL(2KITS+20 ITEMS), INSTRUMENT (50 ITEMS)	ITEM & KIT	122
08-06-00-157	SPARE PARTS FOR STEAM TURBINE GENERATOR (ROTATING BLADES , SHROUD , BEARINGS etc)	ITEM	12
08-06-00-158	SPARE PARTS FOR WATER PUMP & FOR STEAM TURBINE GENERATOR	LOT	1
08-06-00-159	BOILER TUBE & SUPER HEATER TUBES WITH ALL ACC.	NOS.	3500
08-06-00-160	ALUMINIUM FOIL FOR COOLING TOWER	TON	20
08-06-00-161	FIRE BRICKS FOR BOILERS & CHIMNEYS	NOS.	4000
08-06-00-162	BOILER MOUNTINGS, COMPLETE WITH SPARES	ITEM	4

LOCATION: WORKSHOPS
 A-ELECTRICAL

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-163	EQUIPMENT FOR MOTOR REWINDING (MACHINES FOR COIL WINDING & ELECTRICAL OVEN , TESTING DEVICES ... ETC)	ITEM	10
08-06-00-164	MATERIALS FOR MOTOR REWINDING (INSULATORS)	ITEM	10
08-06-00-165	ELECTRICAL MEASURING EQUIPMENT (MAGGER 0-10000 V , PRESSURE TEST , D,C CLAMP METERS.... ETC)	ITEM	10
08-06-00-166	STEAM BOILER MOBILE (25 LT/MIN. , TEMP. 150 C , PRESSURE 160 BAR)	NOS.	6
08-06-00-167	EQUIPMENT FOR CABLE AND OVER HEAD LINES CONSTRUCTION	NOS.	20
08-06-00-168	HYDRULIC BENDING MACHINE FOR CARBON STEEL A53 PIPE UPTO 6 “	NOS.	1
08-06-00-169	SET OF PNEUMATIC TOOLS	SET	1

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-170	HOT TAPPING MACHINE	NOS.	2
08-06-00-171	PIPE CUTTER DIFFERENT SIZE (PNEUMATIC)TYPE SIZE 24 ² – 32 ² & 40 ² – 46 ²	NOS.	4
08-06-00-172	PIPE CUTTER DIFFERENT SIZE (MANUAL) SIZE UP TO 20 ²	SET	5
08-06-00-173	LATHE MECHINE	NOS.	4
08-06-00-174	MILLING MACHINE	NOS.	1
08-06-00-175	SHEARING MACHINE	NOS.	1
08-06-00-176	FLANGE SPREADER FOR FLANGE SIZE ABOVE 10 ² AND DIFF. CLASS	NOS.	4
08-06-00-177	HYDRAULIC PULLER WITH ACC. 50 TON	NOS.	4
08-06-00-178	TUBE EXPANDER DIFFERENT SIZE(PNEUMATIC) FOR EXPANDED HEATER TUBE AND BOILER TUBE AT OLD AND NEW PROCESS PLANT SIZE 3 ² TO 6 ²	SET	4
08-06-00-179	TUBE EXTRACTOR FOR HEAT EXCHANGER UP TO 1.5 ² (PNEUMATIC)	SET	4
08-06-00-180	GROOVING TOOL SET FOR HEAT EXCHANGER SEATS SIZE UP TO 1.5 ²	NOS.	3
08-06-00-181	DRILLING BITS BIG SIZES FROM 1 ² - 4 FOR MECHANICAL WORKSHOP	NOS.	6
08-06-00-182	CYLINDER BLOCK REAMING MACHINE (ELEC.) WITH ALL ACCESSORIES & SPARES	SET	2
08-06-00-183	VALVE CUTTER (ELEC.) WITH ACCESSORIES & SPARES	SET	1
08-06-00-184	VALVE GRINDER(ELEC.) WITH ACCESSORIES & SPARES	SET	1
08-06-00-185	SPECIAL HYDRAULIC PULLERS WITH (ACC.) FOR THERMODYN GAS COMP. (KHABAZ TO REMOVE THE COMPRESSOR HUBS	SET	4
08-06-00-186	COMPLETION OF SOLAR GAS TURBINE WORKSHOP (SERVICE & SUPPLY CONTRACT)	CONTRACT	1
08-06-00-187	VIBRATION ANALYZER FOR ROTATING MACHINES	NOS.	1

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-188	INSTRUMENT TEST EQUIPMENT (DIGITAL HAND TEST) PUMPS (30 NOS.) , CURRENT & VOLTAGE GENERATOR (10 NOS.)	NOS.	40

D-MECHANICAL + ELECTRICAL

08-06-00-189	WORKSHOP RAW MATERIAL (OIL BRONZE ,BRASS, BARS ...ETC).	NOS.	200
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LOCATION: ZAB AREA
 SPARES FOR WATER INJECTION
 & PUMPING STATION

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-190	REPLACEMENT OF COMPLETE ACTUATORS (20 NOS.) & ONE LOT OF SPARE PARTS FOR OTHER ACTUATORS	LOT	2
08-06-00-191	CLORINATOR	NOS.	14

LOCATION: POWER HOUSE
 REPAIR OF ROTATING EXCITER (ELECTRICAL)

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-192	REPAIR OF 18 MW , 11 KV ROTATING EXCITER FOR POWER HOUSE (SERVICE CONTRACT)	CONTRACT	1

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-193	REPLACEMENT OF FAULTY ELECTRICAL PROTECTION SYSTEM AT JABAL BAUR SUBSTATION	SET	1
08-06-00-194	REPLACEMENT OF FAULTY & DAMAGED ELECTRICAL PROTECTION SYSTEM IN DIFFERENT ELECTRICAL SUBSTATION	SET	40
08-06-00-195	REPLACEMENT OF NICD BATTERIES IN DIFFERENT LOCATION & SUBSTATION (BABA & ARAPHA & K1 SUB-LOOP , DEGASSING SUBSTATION & GAS COMP. STN , PUMPING K.K. , K3 STN).	SET	10
08-06-00-196	REPLACEMENT OF DAMAGED & OBSOLETE CHARGERS & U.P.S. SYSTEM IN SUBSTATIONS(BABA & ARAPHA & K1 SUB-LOOP , DEGASSING SUBSTATION & GAS COMP. STN , PUMPING K.K. , K3 STN).	SET	50
08-06-00-197	H.T. & L.T. POWER CABLES FOR REPAIR OF ELECTRICAL NETWORK	KM	60
08-06-00-198	ALUMINUM STRANDED CONDUCTORS STEEL REINFORCED (ACSR) CONDUCTORS (FOR THE MAINTENANCE AND REPLACEMENT FOR NOC OVERHEAD LINE NETWORK).	KM	60
08-06-00-199	TERMINATION KITS & JOINTS (FOR THE MAINTENANCE & REPL. FOR NOC OVERHEAD LINE & CABLE NETWORK).	NOS.	3000
08-06-00-200	HIGH POWER (2000 W)LIGHTING FITTING COMPLETE WITH LAMPS	NOS.	150
08-06-00-201	SODIUM & MERCURY LAMPS .	NOS.	8000
08-06-00-202	CONTACTORS & THERMAL OVER LOAD & TIMERS & AUX'S	NOS.	200
08-06-00-203	PIN INSULATOR 33 KV COMPLETE WITH SPINDLE	NOS.	200
08-06-00-204	33 KV OUT DOOR LINE ISOLATER	NOS.	6

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-205	DENSITOMETER	NOS.	1
08-06-00-206	POCKET RATEMETER	NOS.	6
08-06-00-207	STANDARD FILM	SET	2
08-06-00-208	INFRARED THERMOMETER	NOS.	1
08-06-00-209	INFRARED IMAGE CAMERA	NOS.	1
08-06-00-210	POCKET RADIATION MONITOR	NOS.	2
08-06-00-211	SPARE FOR KRAUTKRAMER EQUIPMENT 1st- DM2 ULTRA SONC THICNESS METER 1st- DM3 ULTRA SONC THICNESS METER 1st- USK 7D FLOW DETECTOR	NOS. NOS. NOS. TUBE	4 6 11 4
08-06-00-212	CATHODIC PROTECTION MONITORING SET / INCLUDING PC+NOTEBOOK+PRINTER+PLOTTER+SOFTWARE+ALL ACCESSORIES - CURRENT INTERRUPTER+ ALL ACCESSORIES	SET SET	2 2
08-06-00-213	THICKNESS METER ULTRASONIC	NOS.	2
08-06-00-214	DYE PENITRANT (FLOURESCENT) FOR CRACK DETECTION	CAN	24
08-06-00-215	MAGNETIC PARTICLE (FLOURESCENT) FLUID FOR CRACK DETECACTION	CAN	24
08-06-00-216	SPARES FOR VACUUM TESTING SET (VACUUM BOX WITH CONNECTING HOSE FOR OIL TANK WELDING TESTING).	NOS.	1
08-06-00-217	X – RAY UNIT (MOBILE) (PEAK HI VOLTAGE 200 KV , NOMINAL TUBE CURRENT 5/8 MA , BEAM ANGLE 60 .	SET	1

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-218	SPARE PARTS FOR IT1A & IT2A ELECTRICAL SWITCH GEAR (ELECTRICAL)	NOS.	200
08-06-00-219	INTELLIGENT PIGGING OF THE 32" PIPE LINE WITH PIG LAUNCHER & RECEIVERS	LOT	1
08-06-00-220	PLIDCO SLEEVES FOR P/L REPAIRE 32" & 40"	NOS.	8
08-06-00-221	AIR BLOWER 100M3 & ELECTRIC HUMIDIFIER FOR K3 STATION	NOS.	4

LOCATION: K2W & K3 PUMPING STATIONS

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-222	ELECTRICAL SPARE PARTS FOR RUSTON TURBINE AT K2W & K3 PUMPING STN.	NOS.	50
08-06-00-223	REPLACEMENT OF EXISTING OBSOLETE CONTROL SYSTEM GAS TURBINE CONTROL PANEL OF SULZER TURBINE	SET	3
08-06-00-224	REPAIR OF HIGH & LOW PRESSURE ROTOR FOR SULZER GAS TURBINE (MECHANICAL) SERVICE CONTRACT IN SPECIALIZED WORKSHOP ABROAD.	SET	2
08-06-00-225	REPAIR OF CHARGING TURBINE ROTOR GEC TURBINE (MECHANICAL) (SERVICE CONTRACT IN SPECIELIZED WORKSHOP ABROAD)	SET	1

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-226	ONE DIGITAL PABX FOR CONNECTION WITH PTT (CITY) EXCHANGE WITH ALL ACCESSORIES & SPARES TO BE USED IN BABA TELECOM CENTER	SET	1
08-06-00-227	TWO ELECTRONIC PABX WITH ALL ACCESSORIES: ONE FOR AIN-ZALAH & ONE FOR JUMBUR SOUTH, WITH 200 EXTENSION LINES & 36 EXTERNAL LINES, WITH SPARES & ACCESSORIES.	SET	2
08-06-00-228	5 DIGITAL RADIO LINKS, 2.6 GHZ BAND -BAI HASSAN SOUTH - BAI HASSAN DAWOOD. -BAI HASSAN SOUTH - BAI HASSAN NORTH. -BABA - JAMBUR NORTH -BABA - JAMBUR SOUTH - ZAB - BAI HASSAN SOUTH	LINK	5
08-06-00-229	(2-4) CHANNEL UHF RADIO LINK & ACCESSORIES FOR DRILLING LOCATIONS.	LINK	10
08-06-00-230	FOUR DIGITAL RADIO LINKS 2.6 /1.5 GHZ WITH SPARES - JAMBUR SOUTH - ENJANA - ENJANA - DAROSHK - DAROSHK - NAFTKHANA - JAMBUR SOUTH - ANFAL	LINK	4

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-231	REPLACEMENT OF INDUSTRIAL AIR CONDITIONING CENTRAL PLANTS		
	A- NOC. HOSPITAL AT K1	UNIT	2
	B - BABA PLANT INDUSTRIAL AREA	UNIT	2
	C - PROCESS PLANT CONTROL ROOM & SUB STATION	UNIT	2
	D - ARAPHA PLANT	UNIT	1
	E - BABA PLANT	UNIT	2
08-06-00-232	LOW AND HIGH LIFT PUMP WITH RECOMMENED SPARE PARTS	SET	12
08-06-00-233	SPARE FOR DIESEL ENGINES FOR MAINTENACE OF CATTERPILLER DIESEL ENG. ., ROLLS ROYCE & DETROIT	ITEM	20

LOCATION: K1 AREA
 ACTIVITY NO.(08):K1 TANK FARM REHABILITATION

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-08-234	K1 TANK FARM REHABILITATION(REPLACING 175 VALVE ACTUATORS & SWITCH BOARD, UP TO DATE DCS CONTROL SYSTEM, CRUDE OIL METERING , TANK GAUGING, INSTRUMENT CABLES , PRESSURE & TEMP. TRANSMITTER, PRESSURE/TEMPERATURE SWITCHES & GAUGES)	SYSTEM	1

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-235	GENERATOR SET 3.3 KV 2 X 2 MW (CRUDE OIL ENGINE WITH ALL ACC . , SWITCHGEAR & MODERN CONTROL SYSTEM)	SET	2

LOCATION: SADDAM FIELD
 ACTIVITY NO.(09):COMPLETION / REHABILITATION
 FOR SADDAM OIL FIELD

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-09-236	MOTOR / PUMP SETS, DIFFERENT CAPACITIES	NOS.	40
08-06-09-237	TANKS, CAPACITIES (50-2000) LITRES	NOS.	4
08-06-09-238	SAFETY VALVES	NOS.	26
08-06-09-239	PROGRAMMABLE CONTROL SYSTEM	NOS.	1
08-06-09-240	LEAD TUBES	MTR.	3500
08-06-09-241	FIELD INSTRUMENTS(VARIOUS)	ITEM	7000

LOCATION: BABA & ARAPHA AREA
 GENERAL

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-242	MEDICAL EQUIPMENT FOR NOC HOSPITAL	SET	18
08-06-00-243	ARCHIVING SYSTEM COMPLETE WITH A SMALL LAN, ARABIZED SOFTWARE, A0+A3 SCANNERS, A0 PLOTTER, CD R/W ,CD ROM & ALL ACCESSORIES.	SET	2

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-10-244	- CASING & TUBING	MTR.	120000
08-06-10-245	- DRILLING BITS	NOS.	250
08-06-10-246	- FISHING TOOLS	ITEM	150
08-06-10-247	- CASING ACCESSORIES	NOS.	1500
08-06-10-248	- CHEMICALS FOR DRILLING & COMPLETION FLUIDS	TON	15000
08-06-10-249	- HYDROCHLORIC ACID & CHEMICAL ADDITIVES FOR ACID	TON	1150
08-06-10-250	- OIL WELL CEMENT & CHEMICAL ADDITIVES	TON	1500
08-06-10-251	- PUMPING TRUCK FOR CEMENTING & ACIDIZING WITH SPARES & ACCESSORIES, EACH SET CONSIST OF (100) ITEMS.	SET	4
08-06-10-252	- ELECTRICAL SUBMERSIBLE PUMPS WITH RECOMMENDED SPARES & ACCESSORIES	SET	50
08-06-10-253	- ACID STORAGE PLANT WITH ALL ACCESSORIES CONSISTING OF (100) ITEMS.	PLANT	1
08-06-10-254	- MUD LOGGING UNIT WITH ACCESSORIES (10 FOR EACH UNIT)	SET	2
08-06-10-255	- GEOLOGICAL EQUIPMENT WITH SPARE PARTS & SOFTWARE	ITEM	500
08-06-10-256	- MOBILE WELL TESTING UNITS & ACCESSORIES (10 ITEMS FOR EACH SET)	SET	2
08-06-10-257	-EQUIPMENT FOR CENTRAL LABORATORY & ACCESSORIES	NOS.	1000
08-06-10-258	- MEMORY PRESSURE RECORDERS & ACCESSORIES (10 FOR EACH RECORDER)	ITEM	5
08-06-10-259	- MAST-TRUCK WITH SPARES & ACCESSORIES (10 FOR EACH MAST TRUCK)	NOS.	4
08-06-10-260	DRILLING FLUID TANKER WITH TRACTOR & SPARES	NOS.	6
08-06-10-261	WELLHEADS AND X-MAS TREES	SET	10
08-06-10-262	CEMENTING HEAD WITH ACCESSORIES	ITEM	50

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-10-263	- PERFORATION CHARGES	NOS.	50000
08-06-10-264	- PRIMCORD	MTR.	1000
08-06-10-265	- PERFORATION ACCESSORIES	ITEM	60
08-06-10-266	- DATA-BASE SOFTWARE	ITEM	20
08-06-10-267	- OPEN-HOLE LOGGING SERVICE CONTRACT	CONTRACT	1
08-06-10-268	- PRODUCTION LOGGING & PERFORATION SERVICE CONTRACT	CONTRACT	1
08-06-10-269	- COILED TUBING SERVICE CONTRACT WITH MATERIALS	CONTRACT	1
08-06-10-270	- MAINTENANCE CONTRACT FOR ELECTRICAL SUBMERSIBLE PUMPS	CONTRACT	1
08-06-10-271	- RE-ENTRY DRILLING TO IMPROVE WELL PRODUCTIVITY (SERVICE CONTRACT)	CONTRACT	1
08-06-10-272	- PREPARATION OF WATER INJECTION WELLS WITH NEEDED MATERIALS (SERVICE CONTRACT)	WELLS	50
08-06-10-273	- SEALING MATERIALS FOR OIL WELL TREATMENT	TON	500
08-06-10-274	- FILTRATION MOBILE UNIT FOR WATER INJECTION WITH FILTRATION CARTRIDGES & RECOMMENDED SPARES & ACCESSORIES	SET	2
08-06-10-275	- WIRELINE TOOLS, CALIBRATION INSTRUMENTS, DEAD WEIGHT TESTERS	ITEM	250
08-06-10-276	DRILLING SERVICES CONTRACTS / CONTRACTOR WILL BE RESPONSIBLE FOR DRILLING THE WELLS EXCEPT MATERIALS WHICH WILL BE PROVIDE BY SOC. CONTRACT WILL BE ADMINISTRED BY IRAQI DRILLING COMPANY	WELL	25

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-277	- CHEMICALS FOR LABORATORY ANALYSIS	ITEM	200
08-06-00-278	- SPARE PARTS FOR LABORATORY APPARATUS	ITEM	250
08-06-00-279	- SPARE PARTS FOR DRILL STEM TEST EQUIPMENT	ITEM	200
08-06-00-280	- SPARE PARTS FOR LOGGING TRUCKS & TOOLS	ITEM	250
08-06-00-281	- SPARE PARTS FOR SUBMERSIBLE PUMPS	ITEM	50
08-06-00-282	- SPARE PARTS FOR TEST SEPERATOR	ITEM	50
08-06-00-283	- SPARE PARTS FOR CHEMICAL FIELD LAB.	ITEM	50
08-06-00-284	- PRESSURE GAUGES	ITEM	500
08-06-00-285	- SPARE PARTS FOR WIRELINE TRUCK	ITEM	100

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-11-286	- WELLS COMPLETION AND PERFORATION (SERVICE CONTRACT) EACH CONTRCT CONSISTS OF SERVICES & SUPPLY OF MATERIALS.	WELLS	100
08-06-11-287	- FLOW LINES AND TRANSFER PIPES (VARIOUS SIZES)	KM	500
08-06-11-288	- VALVES , FITTINGS AND PIPE ACCESSORIES EACH SET CONSISTS OF 50 ITEMS .	SET	40
08-06-11-289	- FIELD OIL WELL PRODUCTION MANIFOLDS EACH PURCHASE CONSISTS OF 25 ITEM (EACH MANIFOLD SUITABLE FOR 25 WELLS)	SET	20
08-06-11-290	- PRODUCTION BANK 80000 BPD COMPLETE WITH ALL COMPLEMENTARY SYSTEMS AND STATION MANIFOLDS AND FLARE STACKS EACH PURCHASE CONSISTS OF 50 ITEM	SET	15
08-06-11-291	- TEST BANKS WITH FLOW METERS AND TEST TANKS . EACH SET CONSISTS OF 50 ITEMS .	SET	6
08-06-11-292	- CRUDE OIL PUMPING AND BOOSTER UNITS EACH PURCHASE CONSIST OF 50 ITEM .	SET	6
08-06-11-293	- POWER SUPPLY AND DISTRIBUTION SYSTEM EACH SET CONSISTS OF 40 ITEMS .	SET	10
08-06-11-294	- EMERGENCY GENERATION SET	NOS.	6
08-06-11-295	- UTILITIES (FIREFIGHTING , COMPRESSED AIR , INDUSTRIAL WATER,TELECOM, CIVIL WORKS ETC) HANDLING EQUIP. EACH SET CONSISTS OF 40 ITEM S.	SET	50
08-06-11-296	-WELDING MACHINES AND SPARE PARTS	NOS.	10
08-06-11-297	-WELDING RODS	TON	20
08-06-11-298	-GRINDING WHEELS	NOS.	200

MINISTRY OF OIL
ESTABLISHMENT NAME: SOUTH OIL COMPANY

SHEET NO: 5 OF 23

LOCATION: WEST QURNA

ACTIVITY NO. (12) : DEVELOPMENT OF DG7 & DG8

PHASE (1) / WEST QURNA OIL FIELD

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-12-299	- WELL COMPLETION AND PERFORATION EACH SET CONSISTS OF (10) ITEM MATERIALS FOR 40 WELLS.	SET	40
08-06-12-300	- FIELD OIL WELL PRODUCTION MANIFOLDS EACH SET CONSISTS OF (25) ITEMS.	SET	12
08-06-12-301	- PIPING , FITTING AND VALVES EACH SET CONSISTS OF (100) ITEMS .	SET	10
08-06-12-302	- POWER SUPPLY AND DISTRIBUTION	SET	40
08-06-12-303	- FIRE FIGHTING SYSTEM AUXILIARIES	SET	40
08-06-12-304	- EMERGENCY GENERATION SET	SET	12
08-06-12-305	- INSTRUMENT AND CONTROL PACKAGES	SET	80
08-06-12-306	- CRUDE OIL PUMPING UNITS AND ACCESSORES	SET	20
08-06-12-307	- CATHODIC PROTECTION	SET	20
08-06-12-308	- UTILITIES AND HANDLING EQUIPMENT	SET	80
08-06-12-309	-WELDING MACHINES AND SPARE PARTS	NOS.	10
08-06-12-310	-WELDING RODS	TON	20
08-06-12-311	-GRINDING WHEELS	NOS.	200

ESTABLISHMENT NAME: SOUTH OIL COMPANY

LOCATION: NORTH RUMAILA FIELD
 ACTIVITY NO. (13) : DEVELOPMENT OF NORTH
 RUMAILA OIL FIELD

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-13-312	PRODUCTION WELLS COMPLETION AND PERFORATION SERVICE CONTRACT EACH SET CONSISTS OF (10) ITEMS FOR 80 WELLS	WELL	80
08-06-13-313	- INJECTION WELLS COMPLETION AND PERFORATION EACH SET CONSISTS OF (10) ITEM MATERIALS (60) WELLS	SET	60
08-06-13-314	- FLOW LINES	KM	300
08-06-13-315	- VALVES , FITTING AND PIPELINE ACCESSORIES EACH SET CONSISTS OF (100) ITEMS .	SET	20
08-06-13-316	- FIELD AND STATION MANIFOLDS (EACH MANIFOLD SUITABLE FOR 25 WELLS)	SET	30
08-06-13-317	WATER INJECTION PUMPIG UNITS EACH SET CONSISTS OF (50) ITEMS .	SET	10
08-06-13-318	- WATER INJECTION INTAKE, TREATMENT AND PUMPING PLANT AT NORTH RUMAILA CAPACITY OF 35X10 ⁶ CU METER PER YEAR THE PLANT CONSISTS OF (100) ITEMS.	PLANT	1
08-06-13-319	-WELDING MACHINES AND SPARE PARTS	NOS.	10
08-06-13-320	-WELDING RODS	TON	20
08-06-13-321	-GRINDING WHEELS	NOS.	200

ESTABLISHMENT NAME: SOUTH OIL COMPANY

LOCATION: FAO TANK FARM

ACTIVITY NO. (14) :REHABILITATION OF FAO TANK FARM

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-14-322	ALL MATERIALS, EQUIPMENT & ACCESSORIES REQUIRED TO CONSTRUCT 8 FLOATING ROOF TANKS, 58000 CU METER EACH AND SUPPORTING SYSTEM INCLUDING:- PRESSURE REDUCTION STATION URGE SYSTEM INTERNAL PIPING WITH VALVES, FITTINGS ACCESSORIES AND CONSUMABLES MAIN CRUDE OIL TRANSFER PUMPS AND BOOSTER PUMPS WITH ACCESSORIES . POWER SUPPLY AND ELECTRIC DISTRIB SYSTEM . EMERGENCY GENERATING SETS 8MW , WITH SUPPLEMENTARY SYSTEM . FIRE FIGHTING AND INDUSTRIAL WATER SYST. TATION CONTROL UTILITIES , TELECOM , CATHODIC PROTECT ETC .	PROJECT	1

LOCATION: SOUTH AND NORTH RUMAILA

AND ZUBAIR FIELD & GARMAT ALI

ACTIVITY NO. (15) :UPGRADEING OF INDUSTRIAL WATER SYSTEM

CODE	ITEM DESCRIPTION	UNIT	QTY
	INDUSTRIAL WATER FACILITIES FOR THE UPGRADING OF EXISTING SYSTEM TO MEET DEMAND FOR DESALTING & DEHYDRATION , FIRE FIGHTING AND DOMESTIC PURPOSES		
08-06-15-323	FIRST LIFT & MAIN PUMPS AT GARMAT-ALI	SET	4
08-06-15-324	ACCESSORIES FOR PUMPS	SET	20
08-06-15-325	PIPE LINES FOR DISTRIBUTION SYSTEM	KM	50
08-06-15-326	2 STORAGE TANKS AND SYSTEMS	SET	12
08-06-15-327	PUMP SET FOR DISTRIBUTION WITH MOTOR CONTROL CENTRES AND ACCESSORIES	SET	40

ESTABLISHMENT NAME: SOUTH OIL COMPANY

LOCATION: SOUTH & NORTH RUMAILA & ZUBAIR FIELD

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-328	MATERIALS AND CONSUMABLES FOR RUMAILA - ADITHA PIPE LINE REFURBISHMENT	SET	100
08-06-00-329	EXCESS OIL AND CONDENSATE GATHERING SYSTEMS IN SOUTH RUMAILA FIELD DEGASSING STATIONS	SET	20
08-06-00-330	PROD OIL TANKS AND PUMPING FACILITIES FOR NORTH RUMAILA FIELD	SET	18
08-06-00-331	NEW TEST BANKS WITH FLOW METERS AND TEST BANKS IN SOUTH AND NORTH RUMAILA FIELD	SET	20
08-06-00-332	EFFLUENT WATER TREATMENT FOR REINJECTION PURPOSES, MEASUREMENT AND TEST EQUIPMENTS AND REQUIREMENTS	SET	20
08-06-00-333	DEHYDRATION AND DESALTING COMPLEMENTARY SYSTEM (MECH. , CONTROL , ELECT. AND PIPING)	SET	40
08-06-00-334	OFF ROAD FIGHTING VEHICLES WITH RECOMMENDED SPARES	NOS.	2
08-06-00-335	SAFETY EQUIPMENT & SPARES	NOS.	2000
08-06-00-336	PERSONNEL'S SAFETY ACCESSORIES.	SET	3000
08-06-00-337	INSTRUMENTS FOR ENVIRONMENTAL PROTECTION	NOS.	100
08-06-00-338	LABORATORY DEVICES, ACC. & SPARES	SET	500

LOCATION: ALL SITES

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-339	GENERAL EQUIPMENT FOR THE IMPLEMENTATION OF PROJECT AND STATIONS UPKEEP .	ITEM	50
08-06-00-340	SERVICE EQUIPMENT , GENERATORS , COMPRESSORS PUMPS ... ETC .	NOS.	60
08-06-00-341	WORKSHOP EQUIPMENT	SET	10
08-06-00-342	CONSTRUCTION EQUIPMENT, SIDEBOMS , DITCHERS , PIPELINE COATING AND WELDING MACHINE AND SPARE PARTS	ITEM* NOS*	40* 10*
08-06-00-343	SURVEY EQUIPMENT , MICROFILM EQUIPMENT, DATA ACQUISITION , RETRIEVAL AND ENGINEERING INSPECTION EQUIPMENT .	ITEM	30

* amended 17 Aug., 99

MINISTRY OF OIL

SHEET 9 OF 23

ESTABLISHMENT NAME: SOUTH OIL COMPANY

LOCATION: MESSAN FIELDS

DEGASSING STATIONS, OIL STORAGE DEPOTS, TANK
FARMS & PUMPING STATIONS

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-344	ONE COMPLETE TURBO PUMP WITH RECOMMENDED SPARES	NOS.	1
08-06-00-345	SPARES FOR PUMPS	ITEM	200
08-06-00-346	OIL HEATERS WITH SPARE PIPES & ACCESSORIES	SET	20
08-06-00-347	ELECTRICAL , MECHANICAL & INSTRUMENTATIONS SPARE PARTS	ITEM	300
08-06-00-348	PERSONNEL SAFETY EQUIPMENT	ITEM	100
08-06-00-349	OIL GAS SEPERATOR SYSTEM WITH TANKS , PUMPS , ELECTRICAL .	ITEM	1000
08-06-00-350	LOAD BORING MACHINE WITH RECOMMENDED SPARES	NOS.	50

LOCATION: DEEP SEA TERMINALS

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-351	- ELECTRICAL INSTALLATIONS : MCC, SWITCH GEAR , ACCESSORIES	ITEM	220
08-06-00-352	- MECHANICAL EQUIPMENTS : PUMPS(40) , VALVES , GENERATORS(4 SETS) , ACC .TELESCOPIC GANGWAY COMPLETE WITH ALL ACCESSORIES .	ITEM	140
08-06-00-353	-EQUIPMENT FOR REPAIR & COMPLETION OF EMCOWHEATON LOADING ARMS .	ITEM	70
08-06-00-354	- CONTROL INSTRUMENTS	ITEM	60
08-06-00-355	- MISC. FITTINGS AND ACCESSORIES & FENDERS	ITEM	100

SPECIALIZED TRUCKS, EQUIP., TOOLS & WORKSHOPE EQUIP.

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-356	WATER TANKER CAP. 22 m ³ TRACTION HEAD AND TANK TRAILER & SPARES	NOS.	8
08-06-00-357	WATER TANKER CAP. 15 m ³ & SPARES	NOS.	7
08-06-00-358	FUEL TANKER CAP. 22 m ³ TRACTION HEAD AND TANK TRAILER & SPARES	NOS.	4
08-06-00-359	FUEL TANKER CAP. 15 m ³ & SPARES	NOS.	3
08-06-00-360	TRUCK TRACTOR WITH LOW - LOADER PAY LOAD 100 TON & SPARES .	NOS.	2
08-06-00-361	TRACTION HEAD WITH PIPES CARRIER & SPARES .	NOS.	6
08-06-00-362	LUB. OIL TANKER CAP 22 m ³ TRACTION HEAD AND TANK TRAILER & SPARES	NOS.	2
08-06-00-363	H ₂ SO ₄ TANKER CAPC. 15 m ³ & SPARES .	NOS.	1
08-06-00-364	MAINTENANCE MOBILE WORKSHOPE FOR VEHICLE & SPARES.	NOS.	2
08-06-00-365	MOBILE WORKSHOPE FOR REPAIRING & SPARES.	NOS.	4
08-06-00-366	TRUCK TRACTOR WITH SMI - TRAILER & SPARES .	NOS.	10
08-06-00-367	CRANE HWD CAP. 30 TON & SPARES .	NOS.	2
08-06-00-368	RECOVERY TRUCK FOR HEAVY VEHICLE & SPARES .	NOS.	4
08-06-00-369	LORRY PAY LOAD 2.5 TON & SPARES .	NOS.	10
08-06-00-370	MOBILE COLD STORE & SPARES .	NOS.	2
08-06-00-371	REFUSE COLLECTER & SPARES .	NOS.	2
08-06-00-372	WHEEL LOADER EXCAVATOR & SPARES .	NOS.	3
08-06-00-373	PICK UP DOUBLE CABIN & SPARES .	NOS.	55
08-06-00-374	STATION WAGON & SPARES .	NOS.	55
08-06-00-375	CONCRETE TRUCK MIXER, 5M ³ WITH SPARES	NOS.	2
08-06-00-376	BUS 45 SEATERS & SPARES.	NOS.	45
08-06-00-377	RECOVERY TRUCK FOR LIGHT VEHICLE & SPARES.	NOS.	2

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-378	SPARE PARTS FOR HEAVY EQUIPMENTS & VEHICLE PURCHASED IN MOU-4 AND MOU-5 STAGE .	NOS.	500
08-06-00-379	SPARE PARTS FOR LIGHT EQUIPMENTS & VEHICLE PURCHASED IN MOU-4 AND MOU-5 STAGE .	NOS.	500
08-06-00-380	REQUIREMENTS FOR LUB OIL SUPPLY AT N. RUMAILA	ITEM	150
08-06-00-381	- FUEL STATIONS IN SOUTH RUMAILAH COMPLETE WITH GALVANIZED CORRUGATED SHEETS FOR STATION SHADES	SET	5
08-06-00-382	BULLDOZER & SPARES .	NOS.	2
08-06-00-383	GRADER & SPARES .	NOS.	2
08-06-00-384	SEPRAY WATER TANKER CAPC. 15 m3 & SPARES .	NOS.	2
08-06-00-385	CRANE CAP. 30 TON & SPARES .	NOS.	3
08-06-00-386	LORRY WITH LIFT CRANE FROM 8 - 12 TON & SPARES .	NOS.	4
08-06-00-387	MOBILE ELECTRICAL LIFTER & SPARES .	NOS.	1
08-06-00-388	BUS 24 SEATERS & SPARES .	NOS.	45*
08-06-00-389	AMBULANCE & SPARES .	NOS.	1
08-06-00-390	LORRY PAY LOAD 10 - 15 TON & SPARES .	NOS.	2
08-06-00-391	FORK LIFT 3- 10 TON & SPARES .	NOS.	9
08-06-00-392	DUMPER : HP= 7- 12 POCKET CAPACITY (0.75- 1) TON	NOS.	4
08-06-00-393	CONCRETE MIXER H.P . = 7-12 POCKET CAPACITY = 400 KG ENGIN (1-2) CYLINDER	NOS.	4
08-06-00-394	CONCRETE MIXER H.P . = 10 POCKET CAPACITY = 400 KG	NOS.	2
08-06-00-395	TRACTOR : H.P.= 30-45 ENGINE 4 CYLINDER	NOS.	4
08-06-00-396	AIR COMPRESSOR : TYPE : AIRMAN PDR 250	NOS.	4
08-06-00-397	SMALL SHOVEL WITH POCLAIN H. P.= 15	NOS.	3
08-06-00-398	JACK HAMMER DIAMETER 1 1/4 INCH	NOS.	4

* amended 17 September 99

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-399	VALVES WITH SPARE PARTS FOR WELL CONNECTION	NOS.	1000
08-06-00-400	PIPE FITTINGS, ACCESSORIES.	NOS.	200000
08-06-00-401	PIPE LINES MAINTENANCE EQUIPMENT	NOS.	5000
08-06-00-402	PIPE & VALVE TESTING EQUIPMENT	NOS.	150
08-06-00-403	AIR COMPRESSOR	NOS.	6
08-06-00-404	PIPE CUTTING EQUIPMENT WITH CONSUMABLES	NOS.	500
08-06-00-405	WELL POTENTIAL TESTING SKID	SET	6
08-06-00-406	RECIRCULATION PUMPS FOR OIL TREATMENT UNITS WITH SPARE PARTS	NOS.	40
08-06-00-407	SLURRY REMOVAL SEPARATORS	NOS.	4

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-408	EMULSIFIER	DRUM	7000
08-06-00-409	ODIUM DICHROMATE	TON	300
08-06-00-410	AB CHEMICALS	LIT	7000
08-06-00-411	AB APPARATUS	ITEM	200
08-06-00-412	DOULTER COUNTER	NOS.	30
08-06-00-413	FIRE FIGHTING EQUIPMENT	NOS.	150
08-06-00-414	O2 GENERATORS & FILLING EQUIPMENT EACH SET 20 ITEMS	SET	4
08-06-00-415	NITROGEN GENERATION PACKAGE WITH SPARE PARTS	ITEM	100
08-06-00-416	FIRE FIGHTING TANKER & TRUCK	NOS.	14
08-06-00-417	FIRE BRIDGE SERVICE GROUP MOBILE	NOS.	3
08-06-00-418	SPARE PARTS FOR GAS TURBINE	NOS.	4000
08-06-00-419	RAINAGE PUMPS	NOS.	6
08-06-00-420	SPARE PARTS FOR VALVES AND ACTUATORS	NOS.	1000
08-06-00-421	MATERIALS FOR MAJOR OVER HAUL OF ONE SOLAR TURBO GENERATOR SET.	ITEM	250

DEGASSING AND COMPRESSION STATIONS

ELECTRICAL MATERIALS

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-422	ELECTRICAL TRANSMISSION LINE (50KM) AND ACC.	ITEM	100000
08-06-00-423	BATTERY CHARGER AND SPARES FOR ALL AREAS .	ITEM	130
08-06-00-424	REPLACEMENT OF OLD BATTERIES FOR ALL AREAS	NOS.	5000
08-06-00-425	CONTACTOR , CIRCUIT BREAKER , OVER LOAD AND ACC.	ITEM	150
08-06-00-426	POWER TRANSFORMER, DESALTER / DEHYDRATOR TRANSFORMER AND REPLACEMENT OF REACTORES, FOR DEGASSING STATIONS .	NOS.	15
08-06-00-427	ELECTRICAL LAMP, LAMP FITTING WITH SPARES AND ACCESSFOR ALL AREAS .	NOS.	20000
08-06-00-428	CABLE LOW, HIGH VOLTAGE ACSR BARE WIRE FOR ALL AREAS.	KM	150
08-06-00-429	CABLE JOINT AND ACCESSORIES FOR ALL AREAS	NOS.	2000
08-06-00-430	COMPLETE MEDIUM VOLTAGE SWITCHGEAR UNIT, SPARES AND ACCESSORIES	ITEM	50
08-06-00-431	ELECTRIC MOTOR AND SPARE PARTS FOR ALL AREAS .	ITEM	140
08-06-00-432	LOW VOLTAGE SWITCH GEAR , SPARE PARTS AND ACC.	ITEM	100
08-06-00-433	ELECTRICAL VALVE ACTUATOR AND SPARE PARTS .	ITEM	125
08-06-00-434	SPARE PARTS FOR MAIN MEDIUM VOLTAGE MOTOR	ITEM	125
08-06-00-435	SPARE PARTS FOR NUOVO PIGNONE GAS TURBINE TYPE 95SP-1	ITEM	125
08-06-00-436	SPARE PARTS FOR DIESEL ENGINE AT ALL AREAS	ITEM	135
08-06-00-437	10 DIESEL GENERATORS AND SPARE PARTS	ITEM	25
08-06-00-438	SPARES FOR DIESEL ENGINE FIREFIGHTING	ITEM	140
08-06-00-439	MATERIALS FOR CATHODIC PROTECTION FOR ALL AREAS	ITEM	1000
08-06-00-440	SPARE PARTS FOR U.P.S. AND BATTERY CHARGER	ITEM	250
08-06-00-441	WORK SHOP EQUIPMENT FOR ALL AREAS .	ITEM	130

ESTABLISHMENT NAME: SOUTH OIL COMPANY

LOCATION: AL - BAKER TERMINAL / BASRAH

A.ELECTRICAL MATERIALS

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-442	MARINE LANTERN NAVIGATION AND SPARE PARTS	ITEM	135
08-06-00-443	SPARE PARTS FOR LOADING ARM	ITEM	150
08-06-00-444	SPARE PARTS FOR DIESEL ENGINE	ITEM	125
08-06-00-445	MOTOR CONTROL CENTRE SWITCH GEAR , SPARE PARTS , ACCESSORIES & ROTORK VALVES	ITEM	150

LOCATION: AL - BAKER TERMINAL / BASRAH

B.INSTRUMENT & CONTROL MATERIALS

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-446	METERING SYSTEM EQUIPMENT & SPARES	ITEM	50
08-06-00-447	CONTROL EQUIPMENT & SPARES	ITEM	50
08-06-00-448	INLINE SAMPLING APPARATUS SETS	SET	4

LOCATION: ZUBAIR / BASRAH

MAINTENANCE OF PRODUCTION STATIONS (DEGASSING)

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-449	CONTROL INSTRUMENTS & SPARES	ITEM	200
08-06-00-450	FIELD INSTRUMENTS & SPARES	ITEM	350
08-06-00-451	CLUSTER STATIONS & SPARES	ITEM	20
08-06-00-452	CONTROL & MONITORING INSTRUMENTS FOR CLUSTER MANIFOLDS	SET	30

ESTABLISHMENT NAME: SOUTH OIL COMPANY
LOCATION: NORTH & SOUTH RUMAILA
MAINTENANCE & REFURBISHMENT
OF DEGASSING / DESALTING

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-453	CONTROL INSTRUMENT & SPARES	ITEM	100
08-06-00-454	FIELD INSTRUMENT & SPARES	ITEM	500

LOCATION: SOUTH RUMAILA
GAS COMPRESSION STATIONS

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-455	CONTROL INSTRUMENTS & SPARES	ITEM	300
08-06-00-456	TURBINE CONTROL SYSTEM & ASSOCIATED INSTRUMENTS	ITEM	250

ESTABLISHMENT NAME: SOUTH OIL COMPANY
 LOCATION: NORTH & SOUTH RUMAILA, GARMA
 WATER INJECTION SYSTEM

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-457	CLUSTER STATIONS CONTROL SYSTEM & ASSOCIATED INSTRUMENTS	ITEM	100
08-06-00-458	FLOWMETERS & ASSOCIATED INSTRUMENTS & MONITORS	ITEM	20
08-06-00-459	CONTROL INSTRUMENTS & SPARES	ITEM	50

LOCATION: ZUBAIR , NORTH & SOUTH RUMAILA
 MAINTENANCE OF PRODUCTION STATIONS (DEGASSING)

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-460	PUMPS AND SPARE PARTS FOR PUMP - AIR BLOWER . MODEL : AA D - 5	ITEM	30
08-06-00-461	MECHANICAL SPARE PARTS FOR BROOM & WADE AIR COMPRESSORS TYPE : V200DA	ITEM	101
08-06-00-462	PUMPS AND SPARE PARTS FOR CRUDE OIL PUMP TYPE : ROTARY GEAR PUMP (MAAG)	ITEM	18
08-06-00-463	SPARE PARTS FOR VERTICAL BOOSTER PUMP TH INDUSTRIE AG MASCHINENBAU TYPE: VLT 200/12/328 X	ITEM	35
08-06-00-464	AIR COMPRESSOR AND SPARE PARTS FOR (POPPE) HIGH PRESSURE AIR COMPRESSORS AIR COOLED TYPE : WP8L - 301	ITEM	41
08-06-00-465	SPARE PARTS FOR CRUDE OIL BOOSTER PUMPS TYPE : VERTICAL , MULTI - STAGE , BARREL TYPE , NO. OF STAGE : 2 MODEL : TSM - VB2	ITEM	21
08-06-00-466	SPARE PARTS FOR FIRE FIGHTING PUMP (WORTHINGTON) TYPE: 6LN - 18	ITEM	15
08-06-00-467	SPARE PARTS FOR FIRE FIGHTING DIESEL ENGINE (MWM) TYPE : D232 V12	ITEM	129
08-06-00-468	AIR STARTING MOTOR AND SPARE PARTS FOR AIR - STARTING MOTOR MODEL:SS 350 GE 03 R 85-02H FOR FIRE FIGHTING DIESEL ENGINE	ITEM	2
08-06-00-469	SPARE PARTS FOR CRUDE OIL PUMP,MATHER&PLATT "TYPE : 3''' / 4''' - 10 STAGES - B - F H."	ITEM	17

ESTABLISHMENT NAME: SOUTH OIL COMPANY
 LOCATION: ZUBAIR , NORTH & SOUTH RUMAILA
 MAINTENANCE OF PRODUCTION
 STATIONS (DEGASSING)

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-470	SPARE PARTS FOR BOOSTER PUMP MATHER & PLATT "TYPE : 8"" - 14"" - 4 STAGE- A.T.C.B CAISSON"	ITEM	17
08-06-00-471	SPARE PARTS FOR MAIN PUMPS, TYPE:N4 X 11 MSNDH 6 STAGE	ITEM	45
08-06-00-472	SPARE PARTS FOR DRAINAGE PUMP TYPE : ZV 50 - 20 / 2 - 5.5 ET 3000 ZV 50 - 20 / 2 - 7.5	ITEM	14
08-06-00-473	SPARE PARTS FOR MAIN HORIZONTAL CRUDE OIL PUMP TYPE : ZMI 325 / 01.	ITEM	27
08-06-00-474	SPARE PARTS FOR ROLLS ROYCE DIESEL ENGINE DRIVE ELECTRIC GENERATOR TYPE : SF 65 CT	ITEM	61
08-06-00-475	SKID MOUNTED HEAVY DUTY OIL FREE AIR COOLED AIR COMPRESSOR .	ITEM	1
08-06-00-476	COMPLETE AIR SCREEN FILTER FOR RUSTON GAS TURBINE MULTI DUTY MODEL B	ITEM	2
08-06-00-477	COMPLETE ASSY WATER PUMP WITH ELECTRIC MOTOR SKID MOUNTED SERVICE : PUMPING FRESH WATER FOR DESALTING UNITS .	ITEM	2
08-06-00-478	SPARE PARTS FORE JOCKY PUMP THYSEN MASCHINENBAY RUHRPUMPEN TYPE : 1 1/2 X 10 SVE	ITEM	15
08-06-00-479	SPARE PARTS OF CATERPILLAR DIESEL ENGINE "TYPE : 3412 D1 ; HP : 456 ; R.P.M 1800 - 1500".	ITEM	48
08-06-00-480	WASH WATER PUMPS RECYCLE PUMPS , RECOVERED OIL VERTICAL PUMPS & SPARE PARTS	ITEM	93
08-06-00-481	SPARES FOR CENTRIFUGAL PUMP , FIRE WATER PUMP THYSEN MASCHINENBAU GMBH. TYPE :- ZMII 530 / 02	ITEM	19

ESTABLISHMENT NAME: SOUTH OIL COMPANY

LOCATION: ALL DEPOT.

OIL STORAGE DEPOTS, TANKS FARM & PUMP STATIONS

A. INSTRUMENT & CONTROL

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-482	CONTROL INSTRUMENTS & SPARES AT PS1 DEPOT	ITEM	50
08-06-00-483	FIELD INSTRUMENTS AT PS1 DEPOT	ITEM	50
08-06-00-484	CONTROL INSTRUMENTS & SPARES AT ZR1 DEPOT	ITEM	50
08-06-00-485	FIELD INSTRUMENTS AT ZR1 DEPOT	ITEM	50
08-06-00-486	FIELDS INSTRUMENTS AT ZR2 DEPOT	ITEM	30

B.MECHANICAL

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-487	SPARES FOR CENTRIFUGAL PUMP , FIRE WATER PUMP THYSSEN MASCHINENBAU GMBH. TYPE :- ZMII 630 / 05.	ITEM	14
08-06-00-488	SPARE PARTS FOR DIESEL ENGINE MWM TYPE : TBD 604 - V8 , ENGINE NO. : 604.08 - 10042 , 3	ITEM	51
08-06-00-489	SPARE PARTS FOR DIESEL ENGINE CUMMINS TYPE : KT 2300G , SERIAL NO. 4158/02	ITEM	47
08-06-00-490	SPARE PARTS FOR GAS TURBINE INGERSOLL-RAND MODEL GT - 53 .	ITEM	4
08-06-00-491	SPARE PARTS FOR AIR COMPRESSOR (TECNIC GALI) TYPE :- VA30	ITEM	44
08-06-00-492	SPARE PARTS FOR OVERHEAD CRANE	ITEM	6
08-06-00-493	SPARE PARTS FOR VERTICAL CENTRIFUGAL PUMP (SLOP PUMP) TYPE : PWZV O5 32 - 200	ITEM	13

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-494	SPARE PARTS FOR AIR COMPRESSORS BVTN/1 CPACITY-200-300 NM3/H DISCHARGE PRESSURE - 9 ATM	ITEM	73
08-06-00-495	SPARE PARTS FOR 4TH STAGE SEPARATOR DRAIN PUMPS TYPE : RBS 32/20 MY11AND VERTICAL PUMPS TYPE : NOWA 32/20 VR AND PUMPS TYPE : M40 X 3TM - TOPF	ITEM	83
08-06-00-496	AIR COOLED HEAT EXCHANGER COMPLETE WITH FAN & MOTOR TYPE :-INDUCED DRAFT	ITEM	1
08-06-00-497	SPARE PARTS FOR GAS TURBINE TYPE : MS - 1002 B	ITEM	5
08-06-00-498	COMPLETE FANS FOR GAS COOLERS AND AIR COOLED HEAT EXCHANGER	ITEM	5
08-06-00-499	SPARE PARTS FOR FIRE WATER PUMP TYPE :- 8 X 5DF - 4SG.	ITEM	9
08-06-00-500	SPARE PARTS FOR PACIFIC HIRO PUMP FIRE PUMP, (JOCKEY PUMP) TYPE :- 1 1/2 X 10 SVE - P	ITEM	10
08-06-00-501	COMPLET MITSUBISHI DIESEL ENGINE DRIVE FIRE PUMP.	ITEM	1
08-06-00-502	SPARE PARTS FOR 1ST . STAGE GAS COOLERS	ITEM	13
08-06-00-503	SPARE PARTS FOR DIESEL ENGINE DRIVE FIRE WATER PUMP TYPE : DH24PA	ITEM	112
08-06-00-504	SPARE PARTS FOR GLYCOL PUMPS PUMP SIZE & TYPE : 1 - 5/8 X 2 - 1/4 TX-10	ITEM	78
08-06-00-505	SPARE PARTS FOR EMERGENCY DIESEL GENERATOR ENGINE TYPE ID 36SS6V	ITEM	100
08-06-00-506	SPARE PARTS FOR GLYCOL FILTERS SERIES - 55 SER. NO. : 23580-23581-21582-23583	ITEM	3
08-06-00-507	SERVICE CONTRACT FOR MAJOR OVERHAUL OF SOLAR CENTAURE GAS TURBINE SINGLE SHAFT - (FAILD ENGINE) MODEL : T - 4001	CONT.	1

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-508	VERTICAL MULTI - STAGE PUMPS, Q:560 M3/H H:30 M FOR MUFTIA AREA .	NOS.	12
08-06-00-509	AIR HANDLING UNIT, DIFFERENT CAPACITY FROM 30-40 WITH DUCT HEATER FOR BAB-AL ZUBAIR AREA & NEHR EBIN AUMER .	NOS.	30
08-06-00-510	CHILLER AIR COOLED 120 TON & SPLIT A/C UNIT DIFFERENT CAPACITY (FOR NEHR EBIN AUMER & NORTH RUMAILA)	NOS.	10
08-06-00-511	CONTACTOR DIFFERENT TYPE (CAPACITY)(COIL) & CIRCUIT BREAKER	ITEM	50
08-06-00-512	SPARE PARTS FOR A/C (AIR CONDITION UNIT) DIFFERENT CAPACITY .	ITEM	30
08-06-00-513	SPARE PARTS FOR SOLAR GENERATOR .	ITEM	30
08-06-00-514	SPECIAL TOOLS & EQUIPMENT FOR A/C WORK SHOP & PLANT.	ITEM	10
08-06-00-515	COMPLETE WATER PUMP WITH ELECTRIC MOTOR FOR GARMA AREA	SET	6
08-06-00-516	ELECTRIC TEST EQUIPMENT .	ITEM	5
08-06-00-517	AIR CONDITIONING UNIT DIFFERENT CAPACITY FOR WEST QURNA	NOS.	30
08-06-00-518	ELECTRIC MOTOR 110 KW , 3PH , 380 V , 50 HZ FOR WEST QURNA	NOS.	10*
08-06-00-519	SPARE FOR A/C UNIT COMPRESSORS FOR DIFFERENT TONAGE FOR ALL DEGASSING STATIONS .	ITEM	80
08-06-00-520	SPARE PART FOR PASSENGER LIFT 380 VAC , 50 HZ.	ITEM	100
08-06-00-521	GENERATING SET WITH SPARES & ACCESSORIES	SET	2
08-06-00-522	EQUIPMENTS & TOOLS FOR MAINTENANCE WORKSHOPS	ITEM	25

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-523	OPTICAL FIBER SYSTEM BETWEEN PS1 - ZUBAIR - FAO FOR TELECONTROL SYSTEM FOR PUMPING OIL TO AL- BAKER TERMINAL	ITEM	70
08-06-00-524	OPTICAL FIBER SYSTEM BETWEEN PS1 FIELD & WEST QURNA FIELD (PS1 - CGS7 - CGS8 - INDUSTRIAL AREA)	ITEM	27
08-06-00-525	WIRELESS MULTI - ACCESS SYSTEM FOR TELECONTROL BETWEEN ALLSITES IN WEST QURNA FIELD .	ITEM	8
08-06-00-526	WIRELESS MULTI - ACCESS SYSTEM / ZUBAIR FIELD .	ITEM	8
08-06-00-527	MICROWAVE RADIO SYSTEM 60 CHANNELS FOR TELECONTROL SYSTEM BETWEEN PUMPING STATIONS (PS2 - PS3 - PS4 - K3) TO REPLACE DAMGE UHF LINK .	ITEM	9
08-06-00-528	MICROWAVE RADIO SYSTEM (1+1) PCM CAPACITY 300 CHANNELS 34 MB / S OPERATES AT 13 GHZ BAND TO LINK MAKINA CENTER TO BAB AL- ZUBAIR HEAD OFFICES (BASRAH CITY) .	ITEM	9
08-06-00-529	PUBLIC ADDRESS SYSTEM ON AN OPEN PLATFORM. AL-BAKER TERMINAL QTY 2	ITEM	6
08-06-00-530	HE - 70 WAVE GUIDE FEEDER TO REPLACE THE DAMGE FEEDER AT NORTH RUMILA " WEST QURNA , NAHR - UMR , ZUBAIR , BAB - " AL ZUBAIR .	MTR.	750
08-06-00-531	STANDARD FACSIMILE (FAX) SET WITH SPAER PARTS . QTY . 10 SET .	SET	10
08-06-00-532	MODERN (VHF / UHF) WALKIE TALKIE SET . QTY . 10 PAIRS .	PAIR	10
08-06-00-533	HF LINKS FOR REMOTE SITES QTY . 4 LINKS .	ITEM	24
08-06-00-534	REMOTE SUBSCRIBER SWITCHING UNIT (R - S - S - U) AT WEST QURNA TO SERVE " ALL DEGASING GAS , COMPRESSION , WATER TREAT. AND PUMPING STS. "	ITEM	5

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-535	POINT TO POINT DIGITAL UHF SYSTEM TO LINK PUMPING STATION NO.3 TO NAJAF CITY (PSTN)	ITEM	6
08-06-00-536	UHF LINK 2M (30 CH) FOR AL - BAKER EMERGENCY TO REPLACE THE EXISTING OBSOLETE SYSTEM AT (BAB - ALZUBAIR - KHUR ALZUBAIR - FAO -ALBAKER TERMINAL)	ITEM	6
08-06-00-537	POINT TO POINT LINKS TO SERVE FARAWAY AND MOVABLE SITES .		
	1- UHF SYSTEM (4 CHANNELS) QTY . 3 LINKS . 2- VHF SYSTEM (3 CHANNELS) . QTY . 3 LINKS .	LINK LINK	3 3
08-06-00-538	ACID BATTERY FOR NORTH RUMILA TELE- CONTROL SYSTEM (PS1 STATION) TO REPLACE DAMAGE BATTERY QTY . 50 BATTERIES .	ITEM	1
08-06-00-539	ACID BATTERY FOR WEST QURNA TELE- CONTROL SYSTEM (WEST QURNA STATION) TO REPLACE DAMAGE BATTERY . QTY . 50 BATTERIES .	ITEM	1
08-06-00-540	CHARGE CONTROL REGULATOR FOR POWER FEEDING TO TELECONTROL SYSTEM IN PS1 & WEST QURNA FIELD . QTY . 3 .	ITEM	1
08-06-00-541	MOBILE DIESEL ENGINE DRIVEN ELECTRIC GENERATORS USE FOR TELECONTROL SYSTEM IN WEST QURNA FIELD . QTY . 2 .	ITEM	1
08-06-00-542	OPTICAL FIBER EQUIPMENT TO REPLACE OBSOLETE COMMUNICATION EQPT. BETWEEN PUMPING STATION - 3 AND K3 OF THE RUMAILA - HADITHA PIPELINE	ITEM	9
08-06-00-543	MOBILE DIESEL ENGINE DRIVEN ELECTRIC GENERATORS USE FOR TELECONTROL REPETAR STATION . QTY . 8 .	ITEM	1

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-544	SPARES FOR OIL WELL RIGS	NOS.	20000
08-06-00-545	SPARES FOR C131 RIG	NOS.	6000
08-06-00-546	SPARES FOR EMSCO RIG	NOS.	6000
08-06-00-547	SPARES FOR P – 80 RIG	NOS.	3000
08-06-00-548	SPARES FOR IDECO RIG	NOS.	8000
08-06-00-549	SPARES FOR CARRIEA AND U.R.B. RIGS	NOS.	2000
08-06-00-550	SPARES FOR DGU4000 , CABOT, SKY-TOP RIGS	NOS.	4000

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-551	BUSES 45 & 25 SEATS	NOS.	10
08-06-00-552	LOW LOADERS / LORRIES / TANKERS	NOS.	10
08-06-00-553	CRANES	NOS.	10
08-06-00-554	FORKLIFTS	NOS.	10
08-06-00-555	MOBILE WORKSHOP	NOS.	2
08-06-00-556	WELDING MACHINE	NOS.	15
08-06-00-557	TYRES & TUBES FOR HEAVY LOADERS	NOS.	1000
08-06-00-558	AIR COMPRESSORS	NOS.	10
08-06-00-559	MUD PUMPS	NOS.	4
08-06-00-560	ENGINES FOR HEAVY VEHICLES	NOS.	35
08-06-00-561	SPARES FOR HEAVY VEHICLES	NOS.	8000
08-06-00-562	DRILLING PIPE & DRILL COLLARS	NOS.	3000
08-06-00-563	SAFETY & FIRE EQUIPMENT	NOS.	10000
08-06-00-564	HAND TOOLS & WORKSHOP EQUIPMENT	NOS.	2000
08-06-00-565	DRILLING CAMPS FOR 80 PERSONS	NOS.	2
08-06-00-566	AIR DRILLING RIGS	NOS.	2

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-567	- LATEST ENGINEERING STANDARDS ON C.D. ROMS (API,ASTM,ASME,ANSI,NFPA,ACI,IEC,ASHERE, AASHO,AWWA,CCITT,ETC).	SET	2
08-06-00-568	- ENGINEERING DESIGN SOFTWARE (PROCESS,EQUIPMENT,PIPING,INSTRUMENTATION, ELECTRICAL,CIVIL WORK & ARCHIVE SOFTWARE).	SET	1
08-06-00-569	- PROJECT MANAGEMENT SOFTWARE (COSTING,SCHEDULING,QUALITY,ENVIRONMENTAL & CONTRACT)	SET	1
08-06-00-570	PHOTOCOPYING MACHINE FOR DRAWING UP TO (A0) SIZE .	NOS.	1
08-06-00-571	- PHOTOCOPYING MACHINE (OFFICE)	NOS.	10
08-06-00-572	- SCANNER SIZE (A0) COMPATIBLE TO PC. RESOLUTION MIN 1200x1200 AND RASTER TO VECTOR SOFTWARE ,ANALYSIS WITH AutoCAD FILE FORMAT .	NOS.	1
08-06-00-573	- PORTABLE TEST EQUIPMENT AND INSTRUMENTS (AVOS, CLAMP AMMETERS, AIR FLOW METERS, VIBRATION METERS, EARTH RESISTANCE METER, ETC.)	NOS.	10
08-06-00-574	- MULTI FUNCTION TEST INSTRUMENT FOR CATHODIC PROTECTION SYSTEM.	NOS.	1

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-575	- COMPUTER PENTIUM II 450MHz WITH FULL OPTION	NOS.	50
08-06-00-576	- SCIENTIFIC CALCULATORS.	NOS.	100
08-06-00-577	- FILM SCANNER FOR 35mm POSITIVE /NEGATIVE	NOS.	1
08-06-00-578	PROJECTOR FOR IMAGE PROJECTION FROM PC. ONTO SCREENS.	NOS.	1
08-06-00-579	- OFFICE STATIONARY		
	A4 WRITING PAPER (OF 500 PAPERS PACKS)	PACKS	1000
	A3 WRITING PAPER (OF 500 PAPERS PACKS)	PACKS	200
	DRAWING TRACE PAPER (100 SQ. M ROLLS)	ROLLS	100
	COMPUTER PRINTERS PAPER A3 CONTINUOUS CARBUNCLE 2 COPIES (OF 1500 PAPERS IN BOX)	BOX	180

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-580	- CABLES AND ACCESSORIES POWER & CONTROL CABLES OF VARIOUS SIZES	ITEM	50
08-06-00-581	- PIPING FITTINGS VALVES, FLANGES, ELBOWS, TEES,.....etc	ITEM	200
08-06-00-582	- WELDING ELECTRODES WELDING ELECTRODES FOR LINE PIPES & STORAGE TANKS TYPE 70.18, 6010, WITH DIAMETERS 2.5mm @ 4.5 mm.	TONS	100

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-583	PIPELINE LAYING ACCESSORIES AND CONSUMABLES	ITEM	30
08-06-00-584	- TANK ERECTION ACCESSORIES AND CONSUMABLES	ITEM	40
08-06-00-585	- WORKSHOP TOOLS & EQUIPMENT	ITEM	50

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-586	- ULTRASONIC THICKNESS METER FLOW DETECTOR WITH PROBES, TEST BLOCK AND OTHER ACCESSORIES.	ITEM	4
08-06-00-587	- DYE PENETRATION MATERIALS.	SET	100
08-06-00-588	COATING AND PAINTING INSPECTION UNITS (HOLIDAY DETECTOR AND THICKNESS GAUGE.	ITEM	3
08-06-00-589	- PORTABLE HARDNESS TESTER.	NOS.	1
08-06-00-590	- WELD SEAM VACUUM TEST DEVICE.	NOS.	10
08-06-00-591	- ISOTOPE SOURCES IR 192 (40-100) CURIES.	NOS.	4

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-592	CRANES HYDRAULIC TRUCK MOBILE 20-30 TONS WITH RECOMMENDED SPARE PARTS.	NOS.	2
08-06-00-593	- CRANES HYDRAULIC TRUCK MOBILE 80 TONS WITH RECOMMENDED SPARE PARTS.	NOS.	3 [*]
08-06-00-594	- CRANE HYDRAULIC TRUCK MOBILE 45-50 TONS WITH RECOMMENDED SPARE PARTS.	NOS.	1
08-06-00-595	- SIDE BOOM 572 WITH RECOMMENDED SPARE PARTS.	NOS.	2
08-06-00-596	GRADER WITH HYDRAULIC DRIVE (150) hp. AT(2200) rpm WITH RECOMMENDED SPARE PARTS.	NOS.	2

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-597	GENERATORS / SKID 250-300 KVA WITH RECOMMENDED SPARE PARTS.	NOS.	10*
08-06-00-598	DEWATERING PUMP DIESEL DRIVEN ENGINE 50-80 cu. m./HR. 10-15 m. h. WITH RECOMMENDED SPARE PARTS	NOS.	3
08-06-00-599	WELDING MACHINES DIESEL DRIVEN /450-500 Amp WITH RECOMMENDED SPARE PARTS.	NOS.	50
08-06-00-600	- ELECTRICAL WELDING MACHINES WITH RECOMMENDED SPARE PARTS.	NOS.	50
08-06-00-601	- PIPELINE BORING MACHINE WITH RECOMMENDED SPARE PARTS.	SET	3
08-06-00-602	- CLAMPS INTERNAL VARIOUS SIZES WITH RECOMMENDED SPARE PARTS.	SET	4
08-06-00-603	- FORK LIFT 10 TONS WITH RECOMMENDED SPARE PARTS.	NOS.	2
08-06-00-604	- PORTABLE ROTARY SCREW COMPRESSOR WITH WATER COOLED ENGINE MAX WORKING PRESSURE (20) BAR, WITH RECOMMENDED SPARE PARTS.	NOS.	2

* amended 6 December 99

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-605	SPARE PARTS FOR MAINTENANCE OF SIDE BOOM/CAT. 583,572,571	ITEM	100
08-06-00-606	- SPARE PARTS FOR MAINTENANCE OF BULLDOZERS/CAT. D9,D8,D7	ITEM	61
08-06-00-607	- SPARE PARTS FOR MAINTENANCE OF SHOVELS/LIEBHER	ITEM	100
08-06-00-608	- SPARE PARTS FOR MAINTENANCE OF GRADERS/CAT.	ITEM	42
08-06-00-609	- SPARE PARTS FOR MAINTENANCE OF EXCAVATORS LIEBHER/CASE 9033	ITEM	100
08-06-00-610	- SPARE PARTS FOR MAINTENANCE OF CRANES , TADANO/P&H LIEBHER	ITEM	200
08-06-00-611	- SPARE PARTS FOR MAINTENANCE OF CRC/EVANS EQUIPMENT.	ITEM	100
08-06-00-612	- SPARE PARTS FOR MAINTENANCE OF WELDING MACHINES LINCOLN.	ITEM	100
08-06-00-613	- SPARE PARTS FOR MAINTENANCE OF GENERATORS MUNRADTECH/DETROIT.	ITEM.	100
08-06-00-614	- SPARE PARTS FOR MAINTENANCE OF WATER PUMPS KSB	ITEM.	100
08-06-00-615	- SPARE PARTS FOR COMPRESSORS/ATLAS COPCO ,AIRMAN.	ITEM.	60
08-06-00-616	- SPARE PARTS FOR FORK LIFT.S./KOMATSU/YALE	ITEM.	60
08-06-00-617	- SPARE PARTS FOR HEAVY TRUCKS SCANIA 112H / RENAULT CBH/CLM 280, JE13	ITEM.	500

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-618	DOUBLE CABIN PICK UP	NOS.	40
08-06-00-619	STATION WAGON (LAND CRUISE OR SIMILAR)	NOS.	50*
08-06-00-620	MINI BUSS 24 PASSENGERS	NOS.	25*

* amended 3 November 99 (DP6-32 & DP6-41)

CODE	ITEM DESCRIPTION	UNIT	QTY
	3D SEISMIC ACQUISITION FOR OIL FIELD PRODUCTION, ENHANCEMENT & OPTIMIZATION		
08-06-00-621	3D SEISMIC ACQUISITION RECORDING SYSTEM 1200 CHANNEL DUAL SOURCE	NOS.	2
08-06-00-622	SEISMIC ENERGY SOURCE VIBRATOR PEAK FORCE 75000 LB (32~35.TON)	NOS.	10*
08-06-00-623	DRILLING RIG 150 M DEPTH ON MARSH BUGGY 4 x 4	NOS.	2
08-06-00-624	PORTABLE DRILLING RIG 50 M DEPTH	NOS.	2
08-06-00-625	GLOBAL POSITIONING SYSTEM (GPS)	NOS.	1
08-06-00-626	TANKER TRUCK 4 x 4 WITH WIDE MARSH BUGGY TYRE 67 x 34 x 25	NOS.	1
08-06-00-627	UTILITY TRUCK BODY 4 x 4 WITH WIDE MARSH BUGGY TYRE 67 x 34 x 25 FOR GEOPHONE & CABLES TRANSPORTATION	NOS.	1
08-06-00-628	HEAVY TRUCK (6 x 6) WITH MOUNTED CRANE 6 TONS	NOS.	2*
08-06-00-629	LIGHT TRUCK (4 x 4) WITH SMALL CARGO BODY 5 TONS	NOS.	6*
08-06-00-630	LIGHT FIELD VEHICLE 9-SEATER (4x4)	NOS.	20*
08-06-00-631	VHF HAND HELD RADIO 5 WATT (146-174 MHZ)	NOS.	60*

* amended 6 December 99

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-632	PROCESSING, INTERPRETATION AND GEOLOGICAL APPLICATIONS SOFTWARE PACKAGES	SET	1
08-06-00-633	INTERACTIVE WORK STATIONS WITH SPARES AND CONSUMABLES	NOS.	24*
08-06-00-634	PHOTOCOPYING MACHINE A3	NOS.	2*
08-06-00-635	MAP PHOTOCOPYING MACHINE A0	NOS.	1
08-06-00-636	REFLECTANCE AND FLOURESCENCE MICROSCOPE	NOS.	1
08-06-00-637	VACUUM PUMP 30 PSI OR 2 KG/CM ²	NOS.	1
08-06-00-638	ATOMIC ABSORPTION SPECTROMETER FOR ROUTINE & RESEARCH STUDIES WITH DOUBLE BEAM & AUTOMATIC GAS CONTROL	NOS.	1
08-06-00-639	BACTERIAL ANALYZER	NOS.	1
08-06-00-640	RESISTIVITY METER FOR CORES AND WATER	NOS.	1
08-06-00-641	AUTOMATIC SULPHUR TESTER	NOS.	1
08-06-00-642	POLARIZING PETROGRAPHIC MICROSCOPE ATTACHED TO A P.C.	NOS.	2
08-06-00-643	MICROFILM / MICROFICHE SCANNER WITH SOFTWARE	NOS.	1
08-06-00-644	POUR POINT MEASURING INSTRUMENT FOR OIL OF RANGE +38 TO BELOW - 40	NOS.	1

* amended 6 December 99

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-645	ELEMENTAL ANALYZER (C.H.N) WITH CONSUMABLE AND SPARE PARTS	NOS.	1
08-06-00-646	CENTRIFUGAL EXTRACTOR FOR EXTRA RAPID EXTRACTION TWO SPEED HEATER	NOS.	2
08-06-00-647	HELIUM COMPRESSION POROSIMETER WITH HASSLER CORE HOLDER ,REFERENCE CELL	NOS.	1
08-06-00-648	PERMEAMETER FOR HIGH AND LOW PERMEABILITIES ACCURACY 0.01 MILLIDARCY	NOS.	1
08-06-00-649	PYROLSIS LAB. MODULE WITH CONSUMABLES AND SPARE PARTS	NOS.	1
08-06-00-650	CAPILLARY PRESSURE MEASUREMENT INSTRUMENT BY MERCURY INJECTION TO HOLD SAMPLES 1½", DIA 3", LONG STANDARD HEAD	NOS.	1
08-06-00-651	FORK LIFT DIESEL ENGINE 3 TONS	NOS.	2
08-06-00-652	SEWAGE PUMP	NOS.	2
08-06-00-653	DRINKING WATER PUMP	NOS.	2
08-06-00-654	FIRE FIGHTING PUMP DRIVEN BY DIESEL ENGINE	NOS.	2*

* amended 6 December 99

CODE	ITEM DESCRIPTION	UNIT	QTY
	ACTIVITY NO. (16) , REPAIR OF A FAULTY BLOWN ASPHALT BAGGING UNIT CONSISTING OF THE FOLLOWING ITEMS:		
08-06-16-655	- INSTRUMENTATION AND CONTROL SYSTEM	SET	250
08-06-16-656	- COLUMN INTERNALS	SET	200
08-06-16-657	- TUBES, PIPE FITTINGS	NOS.	2000
08-06-16-658	- PIPES OF DIFERENT MATERIALS &SIZES	MTR.	10000
08-06-16-659	- HEAT. EXCHANGER BUNDLES &- AIR COOLER FIN FAN BUNDLES	SET	25
08-06-16-660	- ROTATING EQUIPMENT (PUMPS, COMPRESSORS, TURBINES) WITH RECOMMENDED SPARES	SET	100
	ACTIVITY NO. (17) INSTALL ONE ISOMERIZATION UNIT CONSISTING OF THE FOLLOWING ITEMS:		
08-06-17-661	- HEAT. EXCHANGER BUNDLES &- AIR COOLER FIN FAN BUNDLES	SET	80
08-06-17-662	- PUMPS WITH RECOMMENDED SPARES	SET	100
08-06-17-663	- COMPRESSORS WITH RECOMMENDED SPARES	SET	50
	- INSTRUMENTATION:		
08-06-17-664	* FIELD INST.	SET	100
08-06-17-665	* CONTROL ROOM INST.	SET	200
08-06-17-666	* COMPUTER FOR PROCESS CONTROL & MONIT.	SET	15
08-06-17-667	* ANALYTICAL INST.	NOS.	50
08-06-17-668	- VESSELS, COLUMNS & DRUMS	NOS.	100
08-06-17-669	- STEEL STRUCTURES	TON	250
08-06-17-670	- ELECTRICAL EQUIPMENT WITH RECOMMENDED SPARES	SET	150
08-06-17-671	- WELDING EQUIPMENT AND TOOLS	SET	15
08-06-17-672	- WELDING CONSUMBLES	TON	25

CODE	ITEM DESCRIPTION	UNIT	QTY
	ACTIVITY NO. (18) MATERIALS REQUIRED OF THE REVAMP OF THREE. HDS UNITS OF NORTH REFINERY, SAL1 & SAL2 REFINERIES CONSISTING OF THE FOLLOWING ITEMS:		
08-06-18-673	- REVERSE OSMOSIS UNITS	SET	2
08-06-18-674	- DEMINIRIZATION PLANTS REVAMP	SET	2
08-06-18-675	- BOILER SUPER HEATER BUNDLES & ANCILLARIES BOILER OVERHAUL SPARES	SET	10
08-06-18-676	- COMPLETE ROTATING EQUIPMENT WITH RECOMMENDED SPARES (PUMPS, COMPRESSORS,TURBINE ETC)	SET	600
08-06-18-677	- CATALYST SUPPORT MEDIA	TON	50
08-06-18-678	- COOLING TOWER PACKING & ANCILARIES	SET	10
08-06-18-679	- INSTRUMENTATION & CONTROL SYSTEMS	SET	1000
08-06-18-680	- ELECTRICAL EQUIPMENT WITH SPARES	SET	500
08-06-18-681	- CABLES	MTR.	10000
08-06-18-682	- TUBE BUNDLES & FIN - FAN AIR COOLERS	SET	100
	ACTIVITY NO. (19) REVAMP OF SULFUR RECOVERY UNIT CONSISTING OF THE FOLLOWING ITEMS:		
08-06-19-683	- MAINTENANCE TOOLS	SET	100
08-06-19-684	- AIR CONDITION SETS WITH RECOMMENDED SPARES	SET	50
08-06-19-685	- BEARINGS	SET	500
08-06-19-686	- ELECTRICAL EQUIPMENT WITH RECOMMENDED SPARES	SET	500
08-06-19-687	- GASKETS, VALVES, V- BELTS, BOLTS & NUTS	SET	1000
08-06-19-688	- TUBES, PIPE FITTINGS	SET	500
08-06-19-689	- PIPES OF DIFFRENT MATERIALS & SIZES	MTR.	10000
08-06-19-690	- INSTRUMENTATION & CONTROL SYSTEMS	SET	500

CODE	ITEM DESCRIPTION	UNIT	QTY
	SAFETY, FIRE FIGHTING TRUCKS & EQUIPMENT:		
08-06-00-691	-FIRE FIGHTING VEHICLES WITH RECOMMENDED SPARES	NOS.	3
08-06-00-692	-OIL SLICK ABATEMENT EQUIPMENT WITH RECOMMENDED SPARES	SET	2
08-06-00-693	-PERSONNEL GARMENTS, FOOTWEAR & TOOLS	SET	1000
	HEAVY EQUIPMENT WITH RECOMMENDED SPARES:		
08-06-00-694	-MOBILE AIR COMPRESSORS WITH RECOMMENDED SPARES	NOS.	6
08-06-00-695	-CRANES	NOS.	2
08-06-00-696	-FORKLIFTS	NOS.	4
08-06-00-697	-TRUCKS	NOS.	6
08-06-00-698	-DUMP TRUCKS	NOS.	4
08-06-00-699	-LORRIES	NOS.	6
08-06-00-700	-VACUUM TRUCKS	NOS.	4
08-06-00-701	-AMBULANCES	NOS.	3
08-06-00-702	-40- SEATS BUSES, MINI BUSES & VANS	NOS.	25
08-06-00-703	-SHOVELS	NOS.	2
08-06-00-704	-BULLDOZER	NOS.	1

CODE	ITEM DESCRIPTION	UNIT	QTY
	ACTIVITY NO. (20) LUBE OIL COMPLEX REVAMP COMPRISING	LOT	1
08-06-20-705	- COMPLETE CHILLERS WITH RECOMMENDED SPARES	SET	100
08-06-20-706	- ELMCO FILTERS WITH RECOMMENDED SPARES	SET	500
08-06-20-707	- ROTARY EQUIPMENT (PUMPS, COMPRESSORS AND TURBINES) WITH RECOMMENDED SPARES	SET	300
	- INSTRUMENTATION:		
08-06-20-708	* FIELD INSTRUMENTS	SET	500
08-06-20-709	* CONTROL ROOM INSTRUMENTS	SET	500
08-06-20-710	* PROCESS CONTROL COMPUTER & MONITORS	SET	20
08-06-20-711	* ANALYTICAL INSTRUMENTS	SET	50
08-06-20-712	- ELECTRICAL EQUIPMENT WITH RECOMMENDED SPARES	SET	500
08-06-20-713	- COOLING TOWER PACKINGS & ANCILLARIES	SET	4
08-06-20-714	- TUBE BUNDLES & FIN - FAN AIR COOLERS	SET	100
08-06-20-715	- COLUMNS & INTERNALS	SET	10
08-06-20-716	- HEATERS & ANCILLARIES	SET	5
08-06-20-717	- TOTAL UNITS INTEGRATED PIPING NETWORKS	SET	25
	OFFSITE EQUIPMENT & MATERIALS COMPRISING:		
08-06-20-718	- COMPLETE ROTATING EQUIPMENT WITH RECOMMENDED SPARES (PUMPS , COMPRESSORS,TURBINE ETC)	SET	900
	- INSTRUMENTATION:		
08-06-20-719	* MEASURING & CONTROL INSTRUMENTS WITH RECOMMENDED SPARES	SET	1000
08-06-20-720	* THERMOCOUPLE & CONTROL CABLES	MTR.	7000
08-06-20-721	- ELECTRICALS EQUIPMENT WITH RECOMMENDED SPARES	SET	300

CODE	ITEM DESCRIPTION	UNIT	QTY
	ACTIVITY NO. (21), INCREASING FURNACES AND BOILERS EFFICIENCY:		
08-06-21-722	-CONTRACT TO CARRY OUT SITE SURVEY TO DETERMINE THE PRESENT STATE OF BOILERS AND FURNACES EFFICIENCY, AND TO DETERMINE THE REQUIRED EQUIP. TO INCREASE THEIR EFFICIENCY	CONT.	1
08-06-21-723	-SUPPLY, THE REQUIRED EQUIP., TO INCREASE BOILERS AND FURNACES EFFICIENCY, INSTALL OPERATE.	CONT.	1
08-06-00-724	COMPLETE LIQUID WASTE INCINERATORS & ACCESSORIES WITH SUPERVISION AND INSTALLATION TO REDUCE ENVIRONMENTAL POLLUTION WITH RECOMMENDED SPARES.	SET	3
08-06-00-725	CRUDE OIL DESALTERS & ACCESSORIES WITH RECOMMENDED SPARES	SET	8
	SAFETY, FIRE FIGHTING TRUCKS & EQUIPMENT :		
08-06-00-726	- FIRE FIGHTING ACCESSORIES,GLOVES	NOS.	2000
08-06-00-727	- TOOLS, FIREMEN SUITS, FOOT WEARS	SET	500
08-06-00-728	- HOSES	MTR.	4000
08-06-00-729	- FIRE FIGHTING VEHICLES WITH RECOM. SPARES	NOS.	3
08-06-00-730	- FIXED & MOBILE DIESEL DRIVEN FIRE FIGHTING PUMPS WITH RECOMMENDED SPARES	NOS.	4
08-06-00-731	- FIXED FIRE WATER PUMPS WITH MOTORS OR STEAM TURBINES WITH RECOMMENDED SPARES	NOS.	4
	PIPES, FITTINGS, GASKETS ETC AS FOLLOWING:		
08-06-00-732	- GALVANIZED PIPES	MTR.	15000
08-06-00-733	- FITTINGS, VALVES, GASKETS, FLARING FITTINGS	NOS.	50000
08-06-00-734	- WELDING ELECTRODES	TON	10
08-06-00-735	- GASKET SHEETS	SHEET	1000
08-06-00-736	- HEAT EXCHANGER GASKETS	SET	200
08-06-00-737	REPAIR OF STEAM TURBINE AND GAS COMPR. ROTOR, REPAIRING ACTIVITIES EITHER ON SITE OR ABROAD	NOS.	2

CODE	ITEM DESCRIPTION	UNIT	QTY
	ROTATING MACHINES WITH SPARES:		
08-06-00-738	- PUMPS COMPLETE WITH MOTORS OR WITH STEAM TURBINE, FANS WITH MOTORS, WITH RECOMMENDED SPARES	SET	50
08-06-00-739	- SPARES FOR EXISTING EQUIPMENT	NOS.	3000
08-06-00-740	- MECHANICAL SEALS. WITH RECOMMENDED SPARES	NOS.	200
	MAINTENANCE MOBILE EQUIPMENT & TOOLS WITH RECOMMENDED SPARE PARTS :-		
08-06-00-741	- CRANE 50 TONS	NOS.	1
08-06-00-742	-DRUM SQUEEZERS	NOS.	5
08-06-00-743	- RELAMPING TRUCK	NOS.	1
08-06-00-744	- HOT TAPPING MACHINE	SET	1
08-06-00-745	- DESLUDGING TRUCK	NOS.	1
08-06-00-746	- INDUSTRIAL WATER TANKERS(VAC.)	NOS.	2
08-06-00-747	- GENERAL MAINTENANCE TOOLS& EQUIPMENT	NOS.	1000
08-06-00-748	-SPARES FOR EXISTING EQUIP.	NOS.	5000
	GENERAL ELECTRICAL MATERIALS:		
08-06-00-749	- CABLE JOINTING KITS	KIT	1200
08-06-00-750	- TAPES	ROLLS	2000
08-06-00-751	- MOTOR REWINDING WIRES	KG	12000
08-06-00-752	- MEASURING DEVICES FOR CATHODIC PROTEC.	SET	50
08-06-00-753	SPARES FOR EXISTING INSTRUMENTS,COMPLETE CONTROL VALVES,TRANSMITTERS,REPRESSURE SWITCHES, THERMOMETERS, PRESSURE GAUGES, TEMP.SWITCHES, LEVEL SWITCHES, LEVEL INDICATORS.	NOS.	3000
08-06-00-754	EMERGENCY GENERATOR (4 MW) CAPACITY COMPLETE WITH ACCESSORIES, SUPERVISION,AND INSTALLATION	SET	1

CODE	ITEM DESCRIPTION	UNIT	QTY
	WATER TREATMENT EQUIPMENT:		
08-06-00-755	- CLARIFIERS WITH CAPACITY OF 1000 M ³ /H EACH WITH ALL ACCESSORIES & RECOMMENDED SPARES	SET	4
08-06-00-756	- DUAL MEDIA FILTERS WITH ALL ACCESSORIES & RECOMMENDED SPARES	SET	10
08-06-00-757	- PIPES	MTR.	20000
08-06-00-758	- CABLES	MTR.	10000
08-06-00-759	COMPELETE HYDROGEN & PROPANE COMPRESSORS WITH RECOMMENDED SPARES	SET	10
08-06-00-760	SPARES FOR EXISTING WATER TREATMENT UNIT (IONICS-EDR).	NOS.	5000

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-761	MATERIALS REQUIRED FOR THE REVAMPING OF L.G.O DESULFURIZATION UNIT TO ISOMERIZATION UNIT OR INSTALLING ANEW ISOMERIZATION UNIT. CONSISTING OF THE FOLLOWING ITEMS (CATALYST, PUMPS, COMPRESSORS, INSTRUMENTS, PIPES, TOWERS, ELECTRICALS, AND OTHER MISC. ITEMS). WITH RECOMMENDED SPARES	LOT	1
08-06-00-762	STEAM BOILER CAPACITY 150 TON/HRS WITH RECOMMENDED SPARES	SET	1

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-763	AMINE UNIT PUMPS WITH SPARES	SET	5
08-06-00-764	SPARES FOR THE EXISTING AMINE UNIT PUMPS	NOS.	1500
08-06-00-765	MATERIALS REQUIRED FOR THE REPAIR OF FAULTY SULFUR PRODUCTION UNITS. (FOUR UNITS) CONSISTING OF THE FOLLOWING ITEMS (PUMPS, PIPES, INSTRUMENTS, ELECTRICALS, FITTINGS, BUNDLES , AND OTHER MISC. ITEMS.). WITH RECOMMENDED SPARES.	NOS.	5000
08-06-00-766	MATERIALS REQUIRED FOR THE REPAIR OF FAULTY SULFUR CRUSHING UNITS. (SIX UNITS)) CONSISTING OF THE FOLLOWING ITEMS (PUMPS, PIPES, INSTRUMENTS, ELECTRICALS, FITTINGS AND OTHER MISC. ITEMS.). WITH RECOMMENDED SPARES.	NOS.	5000
08-06-00-767	SAFETY EQUIPMENT WITH RECOMMENDED SPARES	NOS.	200
08-06-00-768	EQUIPMENT FOR INDUSTRIAL WATER TREATMENT AND STEAM GENERATION WITH RECOMMENDED SPARES	NOS.	2500
08-06-00-769	ROTARY MACHINES WITH RECOMMENDED SPARES (PUMPS, COMPRESSORS, FANS ETC)	SET	100
08-06-00-770	SPARES FOR EXISTING ROTARY MACHINES	NOS.	2500

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-771	GAS METERING & CONTROL INSTRUMENTS WITH RECOMMENDED SPARES	NOS.	1000
08-06-00-772	PIPES & TUBES FOR HEAT EXCHANGER & BOILERS	NOS.	40000
08-06-00-773	INSTRUMENTS FOR ENVIRONMENTAL PROTECTION ANALYTIC DEVICES WITH RECOMMENDED SPARES	SET	100
08-06-00-774	MISC. ELECTRICAL EQUIPMENT WITH RECOMMENDED SPARES	NOS.	300
08-06-00-775	ELECTRICAL CABLES VARIOUS SIZES	MTR.	10000
08-06-00-776	ENGINEERING SURVEY & INSPECTION INSTRUMENTATION WITH RECOMMENDED SPARES	SET	10

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-777	MATERIALS REQUIRED FOR THE REHABILITATION OF KHOR-ZUBAIR NGL PLANT. CONSISTING OF THE FOLLOWING ITEMS (ROTATING MACHINES, TURBINES, PUMPS, GEARS, FILTERS, FANS, COMPRESSORS, CABLES, PIPES, FITTINGS, INSTRUMENTS, ELECTRICALS AND OTHER MISC.ITEMS). WITH SPARES.	LOT	1
08-06-00-778	MATERIALS REQUIRED FOR THE REHABILITATION OF KHOR-ZUBAIR LPG PLANT, CONSISTING OF THE FOLLOWING ITEMS (ROTATING MACHINES, TURBINES, PUMPS, GEARS, FILTERS, FANS, COMPRESSORS, CABLES, PIPES, FITTINGS, INSTRUMENTS, ELECTRICALS, AND OTHER MISC.ITEMS). WITH SPARES.	LOT	1
08-06-00-779	MATERIALS REQUIRED FOR THE REHABILITATION OF NORTH - RUMAILA SOUR GASES TREATMENT UNITS, ONE UNIT CONSISTING OF THE FOLLOWING ITEMS (ROTATING MACHINES, TURBINES, PUMPS, GEARS, FILTERS, FANS, COMPRESSORS, CABLES, PIPES, FITTINGS, INSTRUMENTS, ELECTRICALS, AND OTHER MISC.ITEMS). WITH SPARES.	LOT	1
08-06-00-780	EQUIPMENT & SPARES FOR NORTH - RUMAILA NGL PLANT CONSISTING OF THE FOLLOWING ITEMS (ROTATING MACHINES, TURBINES, PUMPS, GEARS, FILTERS, FANS, COMPRESSORS, CABLES, PIPES, FITTINGS, INSTRUMENTS, ELECTRICALS, AND OTHER MISC.ITEMS). WITH SPARES.	LOT	1
08-06-00-781	MAINTENANCE EQUIPMENT (WORK SHOP EQUIPMENT, VIBRATION BALANCE, TOOLS, AND OTHER MISC.ITEMS). WITH SPARES.	NOS.	60
08-06-00-782	SPARES FOR GAS FLARES	NOS.	20
08-06-00-783	PIPES VARIOUS SIZES	MTR.	1000

CODE	ITEM DESCRIPTION	UNIT	QTY
	SAFETY, FIRE FIGHTING TRUCKS & EQUIPMENT:		
08-06-00-784	-PERSONAL'S SAFETY ACC. & TOOLS	SET	2000
08-06-00-785	-SAFETY EQUIPMENT WITH RECOMMENDED SPARES	NOS.	2000
08-06-00-786	-FIRE FIGHTING VEHICLES WITH RECOMMENDED SPARES	NOS.	2
08-06-00-787	-FIRE ALARM SYSTEMS WITH RECOMMENDED SPARES	NOS.	2
08-06-00-788	WATER TREATMENT PLANT (R.O) COMPLETE WITH RECOMMENDED SPARES.	UNIT	1
08-06-00-789	NITROGEN PLANTS COMPLETE WITH SPARES. (TWO)UNITS	UNIT	2
08-06-00-790	WATER SUPPLY PROJECT, CONSISTING OF THE FOLLOWING ITEMS (PIPES, MOTORS, PUMPS, ELECTRICAL EQUIPMENT, INSTRUMENTS, WELDING RODS, AND OTHER MISC. ITEMS). WITH RECOMMENDED SPARES	LOT	1
	HEAVY EQUIPMENT WITH RECOMMENDED SPARES :		
08-06-00-791	- CRANE CAPACITY 150 TONS	NOS.	1
08-06-00-792	-LORRIES CAPACITY 12 TONS	NOS.	5
08-06-00-793	-TRAILER CAPACITY 30 TONS	NOS.	1
08-06-00-794	- FORKLIFLS CAPACITY 10,5,3,2. TONS	NOS.	5
08-06-00-795	GAS FILTERING SYSTEM WITH RECOMMENDED SPARES	NOS.	1

CODE	ITEM DESCRIPTION	UNIT	QTY
	LPG-Cylinders Valves & Their Spare Parts:		
08-06-00-796	Complete Valve.	NOS.	700 000
08-06-00-797	Upper Parts.Of Valve	NOS.	200 000
	LPG Filling Heads & their Spare Parts:		
08-06-00-798	Complete Filling Head	NOS.	800
08-06-00-799	Spare Parts for Filling Head.	NOS.	20000
	Steel Plate for LPG Cylinders:		
08-06-00-800	Body.	TON	500
08-06-00-801	Base Ring.	TON	1000
08-06-00-802	Guard Ring.	TON	1000
	Consumable Materials for the production of LPG Cylinders:		
08-06-00-803	Cut Steel Wire Shot.	TON	75
08-06-00-804	Welding Wire E6013	TON	100
08-06-00-805	Greasing & Degreasing Agents.	TON	2
08-06-00-806	Dies for the maintenance of LPG Cylinders.	NOS.	5
08-06-00-807	Spare Parts for Dies for the maintenance of LPG Cylinders.	NOS.	400*
08-06-00-808	Spare Parts for LPG Cylinders Manufacturing Plant.	NOS.	2,500**
08-06-00-809	Strip Feeder for blank cutting machine.	NOS.	1
08-06-00-810	Pneumatic chisels.	NOS.	10
08-06-00-811	Valve Screwing Machines	NOS.	6
08-06-00-812	Washing Plant for cleaning LPG Cylinders Components.	NOS.	1

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-813	Production Lines for the manufacture of LPG Cylinders Base Rings & Guard Rings .	SET	1
08-06-00-814	Painting Units for LPG Cylinders .	NOS.	5
08-06-00-815	Shot Blasting machines for LPG Cylinders	NOS.	5
08-06-00-816	Mechanical & Pneumatic Manipulators for Welding of Base Rings & Guard Rings on LPG Cylinders .	NOS.	80*
08-06-00-817	Mechanical Manipulators for Cutting Base Rings from damaged LPG Cylinders .	NOS.	10
	Machines for Welding of LPG Cylinders Consisting of:		
08-06-00-818	Cutting & Beading Machines.	NOS.	1
08-06-00-819	Valve neck Welding Machine	NOS.	1
08-06-00-820	Middle Seam Welding Machine.	NOS.	1
08-06-00-821	CO ₂ Welding Machine.	NOS.	3
08-06-00-822	Plate for Manufacturing of LPG Tanks Cap. 50 TONs.	TON	500
08-06-00-823	Accessories For LPG Tanks	NOS.	4,000*
08-06-00-824	LPG Cylinder Evacuation Unit	NOS.	5
08-06-00-825	LPG Cylinders With Valves	NOS.	1,000,000*

* amended 30 November 99

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-826	Complete Automatic Filling Line for LPG Cylinder	NOS.	12*
08-06-00-827	Miscellaneous Spare Parts for Filling Plants	NOS.	16000
08-06-00-828	Chain Conveyors For Filling Plants	MTR.	6000
08-06-00-829	Pipes Size (1" - 8")	MTR.	18000
08-06-00-830	Fittings Sizes (1" - 8)	NOS.	1100
08-06-00-831	Valves Size (3" - 4")	NOS.	50
08-06-00-832	Steam Trap	NOS.	5
08-06-00-833	Pneumatic Tools for Maintenance of Heat Exchangers for Filling Plants	NOS.	650
	Weighing Equipment:		
08-06-00-834	Weighing Bridge Cap. 80000 Kg. For LPG Trucks	NOS.	3
08-06-00-835	Heavy Duty Mechanical weighing Scale Cap. 200 Kg Grading 50 g for LPG Cylinders	NOS.	50
08-06-00-836	Instruments & Spares	NOS. SET	150 40

* amended 30 November 99

CODE	ITEM DESCRIPTION	UNIT	QTY
	ROTATING MACHINERY, TRANSPORTATION & ACCESSORIES:		
08-06-00-837	LPG Compressors	NOS.	5
08-06-00-838	Air compressors.	NOS.	30
08-06-00-839	Dryers.	NOS.	25
08-06-00-840	LPG Pumps.	NOS.	10
08-06-00-841	Fire Fighting Pumps (Electrical & Deisel)	NOS.	20
08-06-00-842	Hydrostatic Test Pump .	NOS.	5
08-06-00-843	Spare Parts for Rotating Machines.	NOS. SET	8000 2000
08-06-00-844	Alignment Tools for Pumps.	SET	5
08-06-00-845	Welding Machine (500 – 600) amp. & Spare parts.	NOS.	40
08-06-00-846	Long Cargo Truck Capacity (15) TON.	NOS.	4
08-06-00-847	Truck – Mounted Aerial Lifts.	NOS.	1
08-06-00-848	Fire fighting Truck	NOS.	6
08-06-00-849	Aerial Platform Van Type	NOS.	1
08-06-00-850	Crane Cap. 50 TON	NOS.	1
08-06-00-851	Pick-up Double Cab. & Land Cruisers	NOS.	50
08-06-00-852	Tank Truck (15,000 – 20,000 [*]) lit. For transporting sewage water.	NOS.	3*
08-06-00-853	Winch Crane (50) TON	NOS.	1
08-06-00-854	Mobile Workshop for fire equipment maintenance.	NOS.	1

* amended 1 October 99

CODE	ITEM DESCRIPTION	UNIT	QTY
	Communication Systems:		
08-06-00-855	Communication System Center Unit and Secondary Unit With their Spare Parts.	SET	10
08-06-00-856	Explosion Proof Telephone Sets	NOS.	70
08-06-00-857	Spare Parts For Telephone & Wireless Communication Sets	NOS.	900
	Electrical Equipment and Spare Parts for LPG Plants:		
08-06-00-858	Electric Lighting and Fittings.	NOS.	8000
08-06-00-859	Electric Generators with Spares.	NOS.	10
08-06-00-860	Explosion Proof Electric Equipment.	NOS.	2000
08-06-00-861	Electric Controlling Equipment.	NOS.	300
08-06-00-862	Electric Testing Instruments.	NOS.	100
	Fire , Safety and Inspection Equipment:		
08-06-00-863	Safety Equipment.	NOS.	60
08-06-00-864	Personal Safety Equipment & Accessories	NOS.	12000
08-06-00-865	Inspection Equipment.	NOS.	6
08-06-00-866	Laboratory Equipment.	SET	8
08-06-00-867	Thiophene Odorizer, Corrosion Inhibitor, Dry Powder For fire Fighting & Other Chemicals Connected Specifically to filling Plants	TON	100*
08-06-00-868	Gas Rubber Hoses, 6 m long	NOS.	40
08-06-00-869	Accessories for Gas Tankers , 20 TON Capacity.	NOS.	3500

* amended 30 November 99

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-870	FLOW METER, COMPLETE, FOR MEASURING QUANTITIES OF OIL PRODUCTS PUMPED IN PIPELINES (INCLUDING MECHANICAL PARTS) OF DIFFERENT SIZES (3-12) INCHES	NOS.	100
08-06-00-871	PUMPING SETS ELECTRIC MOTOR DRIVEN FOR LOADING AND OFF-LOADING OIL PRODUCTS OF DIFFERENT SIZES AND TYPES WITH TWO YEARS RECOMMENDED SPARE PARTS	NOS.	15
08-06-00-872	SPARE PARTS FOR EXISTING PUMP SETS OPERATIONAL IN DEPOTS AND PUMPING STATIONS INCLUDING MAIN AND BOOSTER PUMPS	NOS.	50000
08-06-00-873	SPARE PARTS FOR EXISTING METERS OPERATIONAL IN DEPOTS AND PUMPING STATIONS	NOS.	100000
08-06-00-874	FIRE FIGHTING TRUCKS 8000 LITRE WATER TANK AND 1000 LITRE FOAM TANK FOR OIL INDUSTRY COMPLETE WITH ALL RECOMMENDED SPECIALIZED EQUIPMENT WITH TWO YEARS SPARE PARTS	NOS.	3
08-06-00-875	FIRE FIGHTING EQUIPMENT, GAS AND OXYGEN DETECTORS, 2½ INCHES BALL VALVES FOR HYDRANTS, F.M.B. PIPES, IN LINE INDICATORS, FIRE HOSES, PORTABLE FIRE EXTINGUISHERS, SUITS FOR T.E.L. TANKS	NOS.	1600
08-06-00-876	FOAM FLUOROPROTIEN	LIT	10000
08-06-00-877	DRY CHEMICAL POWDER FOR THREE TYPES OF FIRE (ABC)	KG.	5000

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-878	PETROLEUM TESTING EQUIPMENT (LABORATORY) OF DIFFERENT TYPES TO CHECK SPECIFICATIONS OF OIL PRODUCTS IN OIL DEPOTS AND OIL PUMPING STATIONS WITH RECOMMENDED SPARE PARTS FOR TWO YEARS	NOS.	5
08-06-00-879	LINE PIPE OF DIFFERENT SIZES, SCHEDULES AND TYPES	KM.	20
08-06-00-880	HYDRAULIC PIPE CUTTER COMPLETE WITH HYDRAULIC DIESEL POWER PACK	NOS.	2
08-06-00-881	ACCESSORIES FOR HYDRAULIC PIPE CUTTER	NOS.	100
08-06-00-882	WELDING ELECTRODES OF DIFFERENT SIZES AND TYPES	TON	15
08-06-00-883	GASKETS OF DIFFERENT SIZES AND CLASSES	NOS.	20000
08-06-00-884	STUD BOLTS WITH TWO NUTS OF DIFFERENT DIAMETERS AND LENGTHS	NOS.	30000
08-06-00-885	PIPE FITTINGS OF DIFFERENT SIZES, CLASSES AND SCHEDULES FROM 3 INCHES UP TO 30 INCHES	NOS.	5000
08-06-00-886	VALVES OF DIFFERENT SIZES, TYPES AND CLASSES TO CONTROL FLOW OF OIL PRODUCTS IN PIPE LINES, OIL DEPOTS AND PUMPING STATIONS	NOS.	200
08-06-00-887	SPLIT. SLEEVE OF DIFFERENT LENGTHS TO REPAIR PIPE LINE LEAKS	NOS.	50
08-06-00-888	POLYETHYLENE WRAPPING TAPE, INNER AND OUTER	SQ.M.	20000
08-06-00-889	RUBBER BUTYL SOLUTION (PRIMER)	LIT.	2000

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-890	760B* TAPPING MACHINE COMPLETE WITH HYDRAULIC SKID AND HYDRAULIC PETROL POWER PACK.	NOS.	1
08-06-00-891	660B* TAPPING MACHINE COMPLETE WITH HYDRAULIC SKID AND HYDRAULIC PETROL POWER PACK.	NOS.	1
08-06-00-892	ACCESSORIES FOR 760B* & 660B* TAPPING MACHINES	NOS.	70
08-06-00-893	LATCH FRAME 4-WHEEL MANUAL PIPE CUTTER (4-6) INCHES AND (8-12) INCHES WITH 1200** EXTRA CUTTER WHEELS	NOS.	4
08-06-00-894	EXTERNAL PIPE CLAMP OF DIFFERENT SIZES	NOS.	20
08-06-00-895	HYDROSTATIC TEST PUMP, UP TO 150 BARS, DIESEL DRIVEN COMPLETE WITH ALL ACCESSORIES, CAPACITY 20 LITERS/MINUTE	NOS.	2
08-06-00-896	ELECTRICAL POWER TRANSFORMERS OF DIFFERENT CAPACITIES (1600-4000 KVA) AND VOLTAGES (33/6.6-3.3 KV)	NOS.	5
08-06-00-897	ELECTRICAL LOW-VOLTAGE SWITCH GEAR OF VARIOUS RATINGS AND SIZES	NOS.	1000
08-06-00-898	ELECTRICAL MEDIUM-VOLTAGE FLAME PROOF MOTOR, DIFFERENT RATINGS	NOS.	3
08-06-00-899	ELECTRICAL LOW-VOLTAGE FLAME PROOF MOTOR, DIFFERENT RATINGS	NOS.	3
08-06-00-900	MEDIUM-VOLTAGE (33 KV) DISTRIBUTION PANEL	NOS.	1

* amended 23 September 99

** amended 6 December 99

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-901	MEDIUM-VOLTAGE CABLE ACCESSORIES; DIFFERENT VOLTAGES AND SIZES	NOS.	160
08-06-00-902	CABLE-DRUM CARRYING, WHEEL MOUNTED, TRAILER WITH CABLE-LAYING EQUIPMENT	NOS.	5
08-06-00-903	SPARE PARTS FOR BALI PUMPING STATION (ELECTRICAL SPARES)	NOS.	5000
	LPG CONTROL AND METERING EQUIPMENT <u>CONSISTING OF THE FOLLOWING:</u>		
08-06-00-904	TURBINE METER	NOS.	3
08-06-00-905	STRAINER	NOS.	11*
08-06-00-906	FLOW CALCULATOR	NOS.	3
08-06-00-907	TEMPERATURE TRANSMITTER	NOS.	3
08-06-00-908	PRESSURE TRANSMITTER	NOS.	3
08-06-00-909	GAUGES	NOS.	20*
08-06-00-910	PIPE FITTINGS	NOS.	100
08-06-00-911	STUDS AND BOLTS	NOS.	600
08-06-00-912	PNEUMATIC CONTROL VALVE	NOS.	22
08-06-00-913	TUBING	MTR.	200
08-06-00-914	SAFETY VALVE	NOS.	11
08-06-00-915	VALVES OF DIFFERENT SIZES	NOS.	80
08-06-00-916	BATTERY CHARGER (BATTERY PACK FOR UNINTERRUPTED PRESSURE SWITCH TO INSTRUMENT)*	NOS.	20*
08-06-00-917	DENSITY METER COMPLETE UNIT FOR CONTROL OF MULTI-OIL PRODUCTS IN PIPE LINES WITH ACCESSORIES TRANSDUCERS, ZENER BARRIER, GLANDS, DENSITY SENSOR, VALVES, CABLES, TEMPERATURE SENSOR ..ETC.	SET	10

* amended 6 December 99

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-918	SPARES FOR AUTOMATIC CONTROL AND SUPERVISION EQUIPMENT IN PUMPING STATIONS TO CONTROL STORAGE AND PUMPING OF OIL PRODUCTS INCLUDING SPARES FOR PANELS AND TANK LEVEL MEASUREMENT	NOS.	100000
08-06-00-919	PORTABLE METER PROVING UNIT, WHEEL MOUNTED FOR POSITIVE DISPLACEMENT METERS OF OIL PRODUCTS IN EXISTING PUMPING STATIONS AND RECEIVING DEPOTS.	SET	3
08-06-00-920	PRESSURE TRANSMITTERS AND PRESSURE SWITCHES OF DIFFERENT TYPES AND SIZES WITH SPARE PARTS FOR TWO YEARS OPERATION	NOS.	50
08-06-00-921	ULTRASONIC, DIGITAL THICKNESS METER, COMPLETE WITH 10 NOS. PROBES OF 5 MHZ C/W ACCESSORIES	NOS.	5
08-06-00-922	HARDNESS METER (PIEZOELECTRIC CRYSTAL) C/W ACCESSORIES AND (10) NO. PROBES WITH CABLES	NOS.	5
08-06-00-923	HOLIDAY DETECTOR C/W ACCESSORIES	NOS.	5
08-06-00-924	WELD GAUGE (THE WELDING INSTITUTE CAMBRIDGE-T.W.F REG DESIGN)	NOS.	10
08-06-00-925	FIXED, MOBILE AND REPEATERS VHF STATIONS FREQUENCY RANGE (145-170) MHZ, ANTENNA, POWER SUPPLY WITH ACCESORIES	SET	35
08-06-00-926	DIGITAL MICROWAVE LINK, COMPLETE UNIT INCLUDING: RF CHANNEL 2W AND 4W POWER SUPPLY AND BATTERIES SPARE PARTS FOR TWO YEARS	SET	4

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-927	DIGITAL WIRELESS MULTI-ACCESS SYSTEM, COMPLETE UNIT INCLUDING: BASE STATION WITH ANTENNA FIXED REMOTE USER TERMINAL SPARE PARTS FOR TWO YEARS	SET	2
08-06-00-928	DIGITAL AUTOMATIC TELEPHONE EXCHANGE, COMPLETE WITH ALL ACCESSORIES OF DIFFERENT SIZES WITH SPARE PARTS FOR THREE YEARS	SET	2
08-06-00-929	DISPATCHER TELEPHONE SYSTEM, COMPLETE UNIT INCLUDING TELEPHONE DESK POWER SUPPLY AND BATTERIES SPARE PARTS FOR TWO YEARS	SET	2
08-06-00-930	TESTING EQUIPMENT FOR TELECOMMUNICATION SYSTEM	NOS.	5
08-06-00-931	JOINTING KIT OF DIFFERENT TYPES AND SIZES FOR TELECOMMUNICATION CABLES	KIT	5000

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-932	WHEEL LOADER(SHOVELES)	NOS.	7
08-06-00-933	WHEEL EXCAVATOR	NOS.	3
08-06-00-934	LIFTING CRANE CAP. 20 TONS	NOS.	7
08-06-00-935	LOW LOADER	NOS.	7
08-06-00-936	FORKLIFT(5)TONS	NOS.	10
08-06-00-937	FORKLIFT(2)TONS	NOS.	10
08-06-00-938	HYDRAULIC CARGO CRANE CAP.5 TONS	NOS.	8
08-06-00-939	WELDING MACHINES DIESEL	NOS.	10
08-06-00-940	ELECT. DRIVEN WELDING MACHINES	NOS.	20
08-06-00-941	DUMP TRUCK 10 M3 - 12 M3 (TILT)	NOS.	10
08-06-00-942	DIESEL AIR COMPRESSORS	NOS.	10
08-06-00-943	50 KVA DIESEL ELECTRIC GENERATOR	SET	20
08-06-00-944	100 KVA DIESEL ELECTRIC GENERATOR	SET	10
08-06-00-945	250 KVA DIESEL ELECTRIC GENERATOR	SET	10

CODE	ITEM DESCRIPTION	UNIT	QTY
	PETROL STATIONS:		
08-06-00-946	FUEL DISPENSERS WITH RECOMMENDED SPARE PARTS	NOS.	700
08-06-00-947	SUBMERSIBLE PUMPS	NOS.	150
08-06-00-948	NOZZLES & HOSES FOR FUEL DISPENSERS 3/4" TO 1 1/2" SIZE	NOS.	1200
08-06-00-949	METERS 1 1/2" WITH RECOMMENDED SPARE PARTS	NOS.	50
	FUEL LOADING AND UNLOADING PUMPS:		
08-06-00-950	ELECTRIC DRIVEN GEAR TYPE	NOS.	100
08-06-00-951	DESIEL DRIVEN GEAR TYPE	NOS.	25
08-06-00-952	STEEL PLATES TO MANUFACTURE 50 M3 STORAGE TANKS THICKNSS 8- 10 MM	TON	1200
08-06-00-953	WELDING ELECTRODES 4MM, 3.25MM	TON	40
08-06-00-954	PIPES SIZES 2" - 6"	MTR.	20000
08-06-00-955	FITTINGS SIZE 2" - 6"	NOS	5000
08-06-00-956	LIGHTING FITTINGS	NOS.	25000
08-06-00-957	ELECTRIC MOTORS WINDING WIRES	TON	15
08-06-00-958	ELECTRIC CABLES	MTR.	50000

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-959	INSTRUMENTS FOR MEASURING HYDROCARBON GASES & INSPECTION TESTING, C.W. ACCESSORIES	SET	100
08-06-00-960	LABORATORY TESTING EQUIPMENT, C.W. ACCESSORIES	SET	10
08-06-00-961	FIRE FIGHTING EQUIPMENT: EXTINGUISHERS ,HOSES, NOZZLES, FOAM GENERATORS, FITTING, BRANCHES & WATER MONITORS	SET	500
08-06-00-962	SAFETY EQUIPMENT : FIRE FIGHTING SUITS, OVER ALLS & SAFETY HELMETS.	NOS.	2000
08-06-00-963	DRY POWDER FOR ABC FIRE EXTINGUISHER	TON	10
08-06-00-964	FOAM	LIT.	50000
08-06-00-965	LEVEL CONTROL EQUIPMENT FOR SERVICE STATIONS & DEPOTS EACH SET SERVES 8 TANKS	SET	30
08-06-00-966	ELECTRONIC EXCHANGES , VHF & HAND HELD RADIO COMMUNICATION SETS WITH ACCESSORIES	SET	78
08-06-00-967	TELEPHONES & TOOLS FOR MAINTAINING COMMUNICATION SYSTEM : DESK TELEPHONES SURFACE MOUNTED DEVICES FOR SOLDERING & DESOLDERING, P.C.B. PRODUCTION LINE & TOOLS & INSTRUMENTS.	NOS.	250
08-06-00-968	LIGHT TRUCKS (PICK UP) WITH RECOMMENDED SPARES	NOS.	75
08-06-00-969	LAND CRUISERS WITH RECOMMENDED SPARE PARTS	NOS.	20
08-06-00-970	TANKS CLEANING APPARATUS	SET	6
08-06-00-971	TRUCK TRACTORS 6X4 (STANDARD) WITH RECOMMENDED SPARE PARTS	NOS.	150*

* amended 30 November 99

CODE	ITEM DESCRIPTION	UNIT	QTY
08-06-00-972	WEIGH BRIDGES UP TO 100 TON (FOR TRUCKS)	UNIT	5
08-06-00-973	LPG TRUCKS(10 TONS) WITH RECOMMENDED SPARE PARTS	NOS.	20*
08-06-00-974	DESKTOP COMPUTERS WITH PRINTERS & ACCESSORIES	SET	100
08-06-00-975	TRUCK CHASSIS FOR TANKS (36 TONS)	NOS.	100*
08-06-00-976	COMPLETE LOADING ARMS 3" & 4" WITH RECOMMENDED SPARES	NOS.	50
08-06-00-977	TYRES SIZE 1200X20X18(RADIAL) WITH TUBE AND FLOP FOR TRUCK TRACTORS	NOS.	5000
08-06-00-978	TYRES OF VARIOUS TYPES AND SIZES	NOS.	1000
08-06-00-979	BATTERIES 135A , 12VOLTS FOR TRUCK TRACTORS	NOS.	3000
08-06-00-980	TOOLS AND INSTRUMENTS FOR TESTING AND MAINTENANCE	SET	1000
08-06-00-981	COMPLETE ENGINES TO REPLACE DAMAGED ONES ON EXISTING TRUCKS OF VARIOUS TYPES	NOS.	100

* amended 30 November 99