

**MINISTRY OF OIL**

**ESTABLISHMENT NAME : NORTH OIL COMPANY**

**LOCATION : ALL AREAS**

**PROJECT 01-01 : MAINTENANCE AND OPERATION**

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-01-01-0001	SPARE PARTS FOR GEC GAS TURBINE EM-85 AT K3 STATION	40	ITEM	Spare parts for K3 pumping station turbines	Unable to determine
08-11-01-01-0002	SPARE PARTS FOR SULZER GAS TURBINE TYPE S-7 AT K3 STATION	40	ITEM	"	Unable to determine
08-11-01-01-0003	SPARE PARTS FOR RUSTON GAS TURBINE TA-1750 AT K3 STATION	10	ITEM	"	Unable to determine
08-11-01-01-0004	REPAIR OF L.P ROTOR FOR HITACHI GAS TURBINE MODEL FR 3/2 TYPE M-3142 AT AB3 COMPRESSING STATION (ABROAD)	1	SET	Overseas repair for damaged gas turbine rotor	Unable to determine
08-11-01-01-0005	REPAIR OF REDUCTION GEAR BOX FOR GEC GAS TURBINE MODEL EM-85 AT WATER INJECTION PLANT( ABROAD)	2	SET	Overseas repair for damaged gas turbine gear box	Unable to determine
08-11-01-01-0006	SPARE PARTS FOR M.H.I GAS COMPRESSORS AT AB/1,2,3,8 COMPRESSING STATIONS	110	ITEM	Spares for compressors at gas compressing stations	Unable to determine
08-11-01-01-0007	SUPPLY AND REPAIR OF ROTORS FOR MHI (DRESSER RAND) GAS COMPRESSORS AT AB2 & AB3 COMPRESSING STATION (ABROAD)	4	ITEM	Overseas repair for damaged gas compressor rotors	Unable to determine
08-11-01-01-0008	VARIOUS PIPE LINE ( 8,16,20,24,30) INCH	65	KM.	Maintenance requirements	Unable to determine
08-11-01-01-0009	10" & 12" PIPE LINE	120	KM.	Maintenance requirements	Unable to determine
08-11-01-01-0010	32" PIPE LINE	16	KM.	Replacement of corroded sections of K1 - K3 pipeline	Unable to determine
08-11-01-01-0011	4" PIPE LINE	150	KM.	Tank and flow lines	Unable to determine
08-11-01-01-0012	SPARE PARTS FOR PUMPS AND SLOP PUMP FOR ITP STATIONS	330	ITEM	Maintenance requirements	Unable to determine
08-11-01-01-0013	REPLACEMENT OF CONTROL AND MEASURING SYSTEMS FOR ITP STATIONS	6	ITEM	Replacement of local ITP control systems	Unable to determine
08-11-01-01-0014	REPLACEMENT OF CONTROL AND MEASURING INSTRUMENTS FOR K2W, K3, T1 STATIONS	30	ITEM	Replacement of ITP control instruments in designated stations	Unable to determine

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CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-01-01-0015	REPLACEMENT OF CONTROL AND MEASURING INSTRUMENTS FOR CENTRAL CRUDE OIL PROCESS PLANT	50	ITEM	Replacement of instrumentation in main process plants	Unable to determine
08-11-01-01-0016	REPLACEMENT OF CONTROL AND MEASURING INSTRUMENTS FOR DEGASSING STATIONS	23	ITEM	Replacement of instrumentation in main process plants	Unable to determine
08-11-01-01-0017	CONTROL SYSTEM OF DEGASSING STATION IN THE WET CRUDE TREATMENT CONTROL ROOMS (BAI HASSAN FIELDS )	1	CONTRACT	Replacement of instrumentation in main process plants	Unable to determine
08-11-01-01-0018	REPLACEMENT OF CONTROL AND MEASURING SPARE INSTRUMENTS FOR COMPRESSOR STATION	20	ITEM	Replacement of instrumentation in main process plants	Unable to determine
08-11-01-01-0019	ON -LINE MEASURING INSTRUMENTS AT DIFFERENT NOC LOCATIONS (FLOW & ON LINE ANALYZERS)	30	ITEM	Flow line & in-line measurement requirements for custody transfer	Unable to determine
08-11-01-01-0020	DIGITAL RADIO LINKS TO REPLACE EXISTING DAMAGED AND OBSOLETE ONES WITH SPARE PARTS FOR GAYARA NORTH, SOUTH DEGASSING STATIONS & SADDAM OIL FIELD	3	LINK	Replacement radio links	Unable to determine
08-11-01-01-0021	SPARE PARTS FOR OPERATING DIGITAL RADIO LINKS	24	ITEM	Replacement radio links	Unable to determine
08-11-01-01-0022	OVERGROUND PASSIVELY COOLED CONTAINERS WITH NECESSARY SPARES (FOR THE COOLING SYSTEM)	15	ITEM	Passive cooling systems for repeater stations	Unable to determine
08-11-01-01-0023	ELECTRICAL SPARE PARTS FOR GAS COMPRESSOR STATION AT EAST BAGHDAD OIL FIELD	100	ITEM	Replacement electrical spare parts for compressor station	Unable to determine
08-11-01-01-0024	ELECTRICAL SPARE PARTS FOR GAS COMPRESSOR DEGASSING STATION	100	ITEM	Replacement electrical spare parts for degassing station	Unable to determine



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CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-01-01-0025	ELECTRICAL EQUIPMENT, MATERIALS AND SPARE PARTS FOR GENERAL MAINTENANCE	200	ITEM	Requirements for maintenance of operations	Unable to determine
08-11-01-01-0026	SPARE PARTS FOR AIR COMPRESSORS (VARIOUS TYPES)	70	ITEM	Requirements for maintenance of operations	Unable to determine
08-11-01-01-0027	VALVES AND FITTINGS	100	NOS.	Requirements for maintenance of operations	Unable to determine
08-11-01-01-0028	SPARE PARTS FOR SUCKER ROD PUMPS	32	NOS.	Requirements for maintenance of operations	Unable to determine
08-11-01-01-0029	AUDCO GREASE FOR AUDCO BALL VALVE	30	TON	Requirements for maintenance of operations	not notifiable
08-11-01-01-0030	SPARE PARTS FOR BOOSTER & TRANSFER PUMPS FOR IT/2A STATION	4	SET	Spares for IT/2A transfer pumps	Unable to determine
08-11-01-01-0031	CHEMICALS FOR OIL FIELD PRODUCTION: - PH NEUTRALIZER FOR TEG TREATMENT - RELITE (CF) STRONG ACID ION EXCHANGE LEWTIT (S-100) - RELITE (2 AS) STRONG BASE ION EXCHANGE LEWTIT (MP 600)	200 6 6	DRUM TON TON	Chemicals for ion-exchange units in process plant	not notifiable
08-11-01-01-0032	SPARE PARTS FOR PETROL GATE VALVE	20	ITEM	Requirements for maintenance of operations	Unable to determine
08-11-01-01-0033	TANK MIXER FOR NORTH REFINERY PUMP STATION	2	ITEM	Tank recirculation requirement	Unable to determine

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PROJECT 01-01 : MAINTENANCE AND OPERATION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-01-01-0034	VARIOUS TYPES OF FILTERS:			Filters for operational units	
	- FILTERS FOR HITACHI TURBINE	1600	NOS.	"	Unable to determine
	- PRE FILTER	1600	NOS.	"	Unable to determine
	- CUBIC FILTER			"	Unable to determine
	- FILTERS FOR DEHYDRATION UNIT			"	not notifiable
	- WET GLYCOL FILTER	10000	NOS.	"	Unable to determine
	- CARBON FILTER	1000	NOS.	"	not notifiable
	- GAS FILTER	1000	NOS.	"	not notifiable
	- STRAINER FOR COMPRESSOR STATION (ON SUCTION LINE)	20	NOS.	"	not notifiable
08-11-01-01-0035	VARIOUS VALVES FOR WELL HEAD & FLOW LINES	100	NOS.	Flow lines and valves	Unable to determine
08-11-01-01-0036	LIQUID LEVEL INDICATOR	2	ITEM	Process control requirement	not notifiable
08-11-01-01-0037	AIR DRYER UNIT FOR K/3 STATION	2	SET	Maintenance	Unable to determine
08-11-01-01-0038	DEMULSIFIER INJECTION SKID WITH SPARE PARTS	10	SET	Injector for demulsifier and anti-corrosion chemicals	Unable to determine
08-11-01-01-0039	SPARE PARTS FOR CAMERON CHOCK & SAFETY VALVES	50	ITEM	Maintenance	Unable to determine
08-11-01-01-0040	METERS FOR CRUDE OIL WITH MOBILE COMPACT PROVER AND MOBILE MASTER METER WITH SPARE PARTS	42	SET	Custody transfer between NOC and refineries	Unable to determine
		25	ITEM		

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PROJECT 01-01 : MAINTENANCE AND OPERATION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-01-01-0041	ELECTRIC PUMP WITH MOTOR DIFFERENT TYPES WITH SPARE PARTS INCLUDE:			Electrical spares for maintenance	
	- SUBMERSIBLE ELECTRICAL PUMP	10	NOS.	"	Unable to determine
	- ELECTRICAL FIRE FIGHTING PUMP	2	SET	"	not notifiable
	- PORTABLE ELECTRIC PUMP FOR CHEMICAL AND LUBE OIL MAKE UP	20	NOS.	"	Unable to determine
	- CONDENSATE TRANSFER ELECTRIC PUMP HIGH PRESSURE FOR GAS COMPRESSOR STATION (HIGH & LOW PRESSURE)	4	SET	"	Unable to determine
	- GLYCOL RECYCLE ELECTRIC PUMP	9	SET	"	Unable to determine
	- ELECTRIC PUMP FOR DEMULSIFIER INJECTION FOR DESALTER UNIT	4	NOS.	"	Unable to determine
	- WATER RECYCLE ELECTRIC PUMP FOR DESALTER UNIT	4	NOS.	"	Unable to determine
	- ELECTRIC PUMP FOR EFFLUENT WATER INJECTION	4	SET	"	Unable to determine
	- SUBMERSIBLE ELECTRICAL PUMP FOR SALT SATURATED	4	NOS.	"	Unable to determine
	- SLOP PUMP (ELECTRIC) FOR K1 STATION	2	SET	"	Unable to determine
	- RAW WATER ELECTRIC PUMP	2	SET	"	Unable to determine
	- LOADING PUMP (ELECTRIC)	22	NOS.	"	Unable to determine

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PROJECT 01-01 : MAINTENANCE AND OPERATION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-01-01-0042	AIR COMPRESSORS WITH SPARE PARTS	6	ITEM	Mechanical spares for maintenance	Unable to determine
08-11-01-01-0043	VARIOUS MACHINERY AND EQUIPMENT FOR NOC'S WORKSHOPS	25	ITEM	"	Unable to determine
08-11-01-01-0044	SPARE PARTS FOR TUBE STILL AND HEAT EXCHANGER TUBES AT PROCESS PLANTS	6	ITEM	"	Unable to determine
08-11-01-01-0045	SPARE PARTS FOR AIR COMPRESSORS AT DEGASSING STATIONS AND PROCESS PLANTS	60	ITEM	"	Unable to determine
08-11-01-01-0046	GENERAL PARTS / HEAT EXCHANGER AT PROCESS PLANTS	30	ITEM	"	Unable to determine

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PROJECT 01-02 : REHABILITATION /REVAMPING OF EXISTING INSTALLATIONS

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-01-02-0055	REHABILITATION OF GAS COMPRESSORS FOR EAST BAGHDAD OIL FIELD / INSTRUMENT & MECHANICAL	2	CONTRACT	Rehabilitation to improve production	Unable to determine
08-11-01-02-0056	REHABILITATION OF COMPRESSORS AT SADDAM OIL FIELD / INSTRUMENT & MECHANICAL & ELECTRICAL	2	CONTRACT	Rehabilitation to improve production	Unable to determine
08-11-01-02-0057	REHABILITATION AND UPGRADING OF CATHODIC PROTECTION STATIONS	200	ITEM	Improvement to cathodic protection	Not notifiable
08-11-01-02-0058	REHABILITATION OF WATER SUPPLY SYSTEM FOR NAFITQANAH DEGASSING STATION, PUMP STATION & WATER TANK WITH SPARE PARTS	3	CONTRACT	Requirements for drinking and fire fighting	Unable to determine
08-11-01-02-0059	REHABILITATION OF GAS COMPRESSORS AT KHBAZ OIL FIELD (MECHANICAL, INSTRUMENT AND ELECTRICAL )	3	CONTRACT	Rehabilitation to improve transfer capability	Unable to determine
08-11-01-02-0060	ELECTRICAL EQUIPMENT, MATERIALS & SPARE PARTS FOR K2, K3, T1, PUMPING STATIONS AND SADDAM OIL FIELD	200	ITEM	Spares	Unable to determine
08-11-01-02-0061	H.P. TURBINE ROTOR FOR HITCHI GAS TURBINE AT AB1, AB2, AB3 & AB8 COMPRESSING STATIONS	3	ITEM	Spares	Unable to determine
08-11-01-02-0062	REHABILITATION OF SHENCK BALANCING MACHINE	1	CONTRACT	Repairs to allow local turbine rotor balancing	possibly notifiable
08-11-01-02-0063	SUPPLY OF OIL TANKS FOR K3 PUMPING STATIONS , DEGASSING STATIONS AND THE PROCESS PLANT	3	CONTRACT	3rd batch of tanks to bring capacity back to nominal	Unable to determine
08-11-01-02-0064	SERVICE CONTRACT FOR UNDERGROUND STORAGE CAVITIES FOR LPG (FEASIBILITY STUDY AND WORK EXECUTION TO CREATE THREE CAVITIES WITH ALL EQUIPMENT, MATERIALS AND SOFTWARE REQUIREMENT )	3	CONTRACT	Repeat of Phase 10 contract	Unable to determine
08-11-01-02-0065	UNDERGROUND STORAGE IN AIN GHAZAL STRUCTURE	6	CONTRACT	Underground storage for products	Unable to determine
08-11-01-02-0066	COMPLETE EVALUATION FOR THE EXISTING UNDERGROUND STORAGE CAVITIES IN BABA DOME/ KIRKUK	3	CONTRACT	Repeat echo-logging contract as original results suspect	Not notifiable

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SHEET NO.: 8 OF 20

ESTABLISHMENT NAME : NORTH OIL COMPANY

LOCATION : ALL AREAS

PROJECT 01-03 : SUSTAINING AND ENHANCING PRODUCTION CAPABILITIES

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-01-03-0075	WELL TESTING TOOLS AND SLICK LINE SPARE PART	1	ITEM	Equipment for well testing	Unable to determine
08-11-01-03-0076	WELL HEADS & X-MAS TREES WITH ACCESSORIES & SPARE PARTS	40	SET	Well head requirements	Unable to determine
08-11-01-03-0077	ROCK BITS & NOZZLES (VARIOUS)	1400	NOS.	Requirements for drilling and well workover	Not notifiable
08-11-01-03-0078	CASING ACCESSORIES (VARIOUS)	12000	NOS.	"	Not notifiable
08-11-01-03-0079	CASING AND TUBING (VARIOUS SIZES, GRADES AND WEIGHTS)	450000	MTR.	"	Not notifiable
08-11-01-03-0080	CORE HEADS	40	NOS.	"	Not notifiable
08-11-01-03-0081	MUD MATERIALS	220000	TON	"	Not notifiable
08-11-01-03-0082	CEMENT AND ADDITIVES	5100	TON	"	Not notifiable
08-11-01-03-0083	WATER TANK FOR CEMENTING OPERATIONS	10	NOS.	"	Unable to determine
08-11-01-03-0084	AIR COMPRESSOR FOR CEMENTING UNITS WITH S/P	10	UNIT	"	Unable to determine
08-11-01-03-0085	CEMENT SLOES SKID MOUNTED WITH ALL ACCESSORIES AND SPARE PARTS	10	UNIT	"	Not notifiable

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LOCATION : ALL AREAS

PROJECT 01-03 : SUSTAINING AND ENHANCING PRODUCTION  
CAPABILITIES

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-01-03-0086	SURGE TANK FOR CEMENTING OPERATION	10	NOS.	Requirements for drilling and well workover	Unable to determine
08-11-01-03-0087	DST TOOLS COMPLETE SETS WITH ALL ACCESSORIES & SPARE PARTS	1	SET	"	Unable to determine
08-11-01-03-0088	FORMATION TESTING TRUCKS WITH CRANE WITH ALL ACCESSORIES & SPARE PARTS	2	UNIT	"	Unable to determine
08-11-01-03-0089	SPARE PARTS FOR CEMENTING UNITS & TYRES	200	ITEM	"	Unable to determine
08-11-01-03-0090	TUBING HEAD SPOOL & X- MAS TREE & S/P FOR EXISTING WELL HEADS	30	SET	"	Unable to determine
08-11-01-03-0091	LINER HANGERS CEMENTED & UNCEMENTED WITH S.P.	50	SET	"	Unable to determine
08-11-01-03-0092	MOBILE WORKSHOP FOR DRILLING OPERATIONS	1	UNIT	"	Unable to determine
08-11-01-03-0093	DRILLING SERVICES CONTRACT FOR (40) WELLS	2	CONTRACT	Drilling contract	Not notifiable
08-11-01-03-0094	CEMENTING SERVICES CONTRACT FOR (40) WELLS	2	CONTRACT	Complementary drilling requirement	Not notifiable
08-11-01-03-0095	LOGGING SERVICES CONTRACT FOR (50) WELLS	2	CONTRACT	Logging of 50 wells	Not notifiable
08-11-01-03-0096	COILED TUBING SERVICES FOR (30) WELLS	2	CONTRACT	Work-over for 30 wells	Not notifiable

MINISTRY OF OIL

ESTABLISHMENT NAME : NORTH OIL COMPANY

LOCATION : BAI HASSAN OIL FIELD

PROJECT 01-03 : SUSTAINING AND ENHANCING PRODUCTION  
CAPABILITIES/WET OIL TREATMENT OF  
BAI HASSAN NORTH OIL FIELD

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-01-03-0097	INSTRUMENTATION FOR CONTINUATION AND COMPLETION	250	ITEM	Production related instrumentation for degassing station	Unable to determine
	OF 1st, 2nd TEST SEPARATORS WORK FOR BAI HASSAN NORTH DEGASSING STATION INCLUDING:			"	
	- TRANSMITTERS			"	Unable to determine
	- GAUGES, CONTROL VALVES, CONVERTERS, VALVES			"	Unable to determine
	- INDICATORS, CONTROLLERS, SENSORS, METERS			"	Unable to determine
	- SWITCHES			"	Not notifiable
	FITTINGS			20	ITEM
	CABLES AND J.BOXES AND ACCESSORIES	20	ITEM	"	Unable to determine

MINISTRY OF OIL

ESTABLISHMENT NAME : NORTH OIL COMPANY

LOCATION : ALL AREAS

PROJECT 01-04 : SAFETY AND ENVIRONMENTAL PROTECTION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-01-04-0105	DIESEL DRIVEN PUMPS DIFFERENT TYPES WITH SPARE PARTS:			Fire control and clean-up requirements	
	- DIESEL FIRE FIGHTING PUMPS	2	SET	"	Not notifiable
	- PORTABLE DIESEL SLUDGE PUMPS	2	SET	"	Unable to determine
	- DIESEL ENGINE FOR FIRE FIGHTING TRUCKS	1	SET	"	Not notifiable
08-11-01-04-0106	FLEXIBLE LOADING HOSE	300	NOS.	Product loading hoses	Not notifiable
08-11-01-04-0107	EXCEECO GEAR BOX	14	NOS.	Spare parts requirement	Not notifiable
08-11-01-04-0108	MOBILE STEAM BOILER WITH SPARE PARTS	6	ITEM	Sludge removal	Unable to determine
08-11-01-04-0109	SAFETY RELIEF VALVES FOR LPG AND GAS COMPRESSOR STATION	112	ITEM	Spare parts requirement	Unable to determine
08-11-01-04-0110	GULLY EMPTIER TRUCK WITH SPARE PARTS	3	ITEM	Sludge removal	Unable to determine
08-11-01-04-0111	FIRE FIGHTING TRUCK WITH SPARE PARTS	3	ITEM	Fire control	Not notifiable
08-11-01-04-0112	MOBIL FIRE FIGHTING (PACK) UNIT WITH SPARE PARTS	2	ITEM	Fire control	Unable to determine
08-11-01-04-0113	MAST MONITOR FOR FIRE FIGHTING WITH SPARE PARTS	4	ITEM	Fire hydrants	Unable to determine

MINISTRY OF OIL

ESTABLISHMENT NAME : NORTH OIL COMPANY

LOCATION : ALL AREAS

PROJECT 01-04 : SAFETY AND ENVIRONMENTAL PROTECTION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-01-04-0114	FLOURO PROTEIN FOAM	50000	LIT.	Fire control	Not notifiable
08-11-01-04-0115	FIRE MEN TURNOUT SUITS	1200	ITEM	Safety suits	Not notifiable
08-11-01-04-0116	FIRE BRIGADE SAFETY BOOT	1200	ITEM	Safety equipment	Not notifiable
08-11-01-04-0117	SPARE PARTS FOR FIRE FIGHTING TRUCKS	110	ITEM	Spares for fire fighting trucks	Not notifiable
08-11-01-04-0118	WATER TRUCKS FOR FIRE FIGHTING, CAPACITY: 18000 LIT. WITH SPARE PARTS	4	ITEM	Fire control water trucks	Not notifiable

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ESTABLISHMENT NAME : NORTH OIL COMPANY

LOCATION : ALL AREAS

PROJECT 01-05 : SERVICE AND PLANT EQUIPMENT

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-01-05-0125	BACKHOE LOADER WITH SPARE PARTS	2	ITEM	Digger	Not notifiable
08-11-01-05-0126	SPARE PARTS FOR CENTRIFUGAL WATER CHILLING UNITS AT BABA INDUSTRIAL AREA	180	ITEM	Spares	Unable to determine
08-11-01-05-0127	SPARE PARTS FOR COOLING TOWERS OF AIR CONDITIONING UNITS AT BABA INDUSTRIAL AREA	90	ITEM	Spares	Unable to determine
08-11-01-05-0128	SPARE PARTS FOR PACKAGED AIR CONDITIONING UNITS AT PROCESS PLANTS	100	ITEM	Spares	Unable to determine
08-11-01-05-0129	SPARE PARTS FOR WATER PUMPS, USED ON COOLING SYSTEM AT BABA & K1 AREA	90	ITEM	Spares	Unable to determine
08-11-01-05-0130	AIR CONDITIONING UNITS	1	ITEM	Climate control	Unable to determine
08-11-01-05-0131	CHILLED WATER COILS AT BABA AREA	1	ITEM	Cooling units	Unable to determine
08-11-01-05-0132	SPARE PARTS FOR COOLING TOWERS OF PROCESS PLANT	8	ITEM	Spares for cooling towers	Unable to determine

<b>08-11-01-05-0133</b>	SPARE PARTS FOR LIGHT, HEAVY EQUIPMENT AND VEHICLES : BULLDOZERS/ PIPE LAYERS/ DUMPERS/ GRADERS/ FORKLIFTS/ ROLLERS/ WHEEL LOADERS/ HYDRAULIC CRANES/ EXCAVATORS/ VACALL/ TRUCKS/ CESSPIT EMPTIER/ LORRIES WITH CRANES/ TIP TRUCKS/ CEMENT MIXER/ WELDING MACHINES/ HYDRAULIC PLATFORM/ BUSES/ PICK UPS/ STATION WAGONS ...ETC.	1000	ITEM	General spare parts for transportation	Unable to determine
<del>08-11-01-05-0134</del>	TYRES (VARIOUS TYPES & SIZES)	1000	ITEM	Replacement tyres	Not notifiable
<b>08-11-01-05-0135</b>	MOBILE DIESEL WELDING MACHINES SINGLE PHASE WITH S/P	2	ITEM	Welding requirements	Not notifiable

MINISTRY OF OIL

ESTABLISHMENT NAME : NORTH OIL COMPANY

LOCATION : ALL AREAS

PROJECT 01-06 : TESTING, INSPECTION, STUDIES, SURVEYS & LABORATORIES

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-01-06-0140	MATERIALS FOR OIL TESTING WITH SPARES & ACCESSORIES	1	ITEM	Quality control	Unable to determine
08-11-01-06-0141	MATERIALS FOR ENVIRONMENTAL QUALITY CONTROL WITH SPARES AND ACCESSORIES	1	ITEM	Environmental control	Unable to determine
08-11-01-06-0142	MATERIALS OF GAS QUALITY CONTROL WITH SPARES AND ACCESSORIES	1	ITEM	Quality control	Unable to determine
08-11-01-06-0143	CHEMICAL MATERIALS FOR OIL & WATER ANALYSIS	1	ITEM	Laboratory reagents	Unable to determine
08-11-01-06-0144	SERVICE CONTRACTS TO STUDY PRODUCTION DEVELOPMENT FROM KIRKUK FIELD, FEASIBILITY STUDY FOR THE DEVELOPMENT OF ARTIFICIAL LIFT SYSTEM, AND 3D SEISMIC SERVICES CONTRACT FOR KIRKUK OIL FIELD ( SURVEY, PROCESSING AND INTERPRETATION )	1	CONTRACT	3-D Seismic study for Kirkuk field in order to enhance production	Not notifiable
08-11-01-06-0145	GEOLOGICAL LAB. INSTRUMENTS AND EQUIPMENT	25	CARAVAN	Geological survey requirements	Unable to determine
08-11-01-06-0146	SKID MOUNTED GEOLOGICAL LAB.- SLEEPER CARAVAN	26	CARAVAN	Support for geological	Unable to determine

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LOCATION : ALL AREAS

PROJECT 01-06 : TESTING, INSPECTION, STUDIES, SURVEYS & LABORATORIES

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-01-06-0147	VEHICLE FOR INSPECTION & NON DESTRUCTIVE TESTS WITH COMPLETE SET OF DEVICES & EQUIPMENT	2	UNIT	NDT requirements	Unable to determine
08-11-01-06-0148	VEHICLE FOR INSPECTION & HYDRAULIC TEST OF PIPE LINE SYSTEM WITH COMPLETE SET OF DEVICES OF EQUIPMENT	1	UNIT	Hydraulic line testing equipment	Unable to determine
08-11-01-06-0149	LABORATORY EQUIPMENT & DEVICES FOR METALLURGICAL TESTS	1	SET	Metallurgical testing requirements	Unable to determine
08-11-01-06-0150	RADIOGRAPHY EQUIPMENT & ACCESSORIES FOR METALS	1	SET	NDT requirements	Possibly notifiable
08-11-01-06-0151	CONTROL AND COMPUTER SIMULATORS (SOFTWARE AND HARDWARE) TO BE INSTALLED FOR TRAINING PURPOSES AT THE CONTROL AND INSTRUMENT DEPARTMENT OF NOC.	1	SET	Training requirements	Unable to determine
08-11-01-06-0152	BOTTOM HOLE CONTINUOUS PRESSURE MEASUREMENT DEVICES WITH MEMORY AND READ OUT EQUIPMENT	5	ITEM	Down hole logging	Unable to determine
08-11-01-06-0153	COMPLETE DATA BASE SYSTEM FOR ALL FUNCTIONS OF (NOC). THE SYSTEM WILL INCLUDE ALL HARDWARE & SOFTWARE REQUIREMENTS AND WILL BE INSTALLED IN ALL NOC'S AREAS OF OPERATIONS	3	CONTRACT	Managerial information database	Unable to determine

MINISTRY OF OIL

ESTABLISHMENT NAME : NORTH OIL COMPANY

LOCATION : KIRKUK FIELD

PROJECT 01-07 : DEVELOPMENT PROJECT ( JAMBUR FIELD )

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-01-07-0160	DESIGN AND SUPPLY OF MATERIAL AND EQUIPMENT FOR GAS PRODUCTION FROM JAMBUR FIELD AND COMMISSIONING OF PLANTS	3	CONTRACT	Repeat of phase 10 gas facility requirements	Unable to determine



LOCATION : KIRKUK FIELD  
PROJECT 01-08 : DEVELOPMENT PROJECT

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-01-08-0162	UTILIZATION OF GAS FROM MANSORIA / KHASHIM AL-AHMAR/ JERIA PEKA/ SALAH AL-DEEN STATIONS	25	CONTRACT	Gas utilization requirements	Unable to determine

MINISTRY OF OIL

ESTABLISHMENT NAME : NORTH OIL COMPANY  
LOCATION : KIRKUK FIELD  
PROJECT 01-09 : DEVELOPMENT PROJECT (BABA DOME PROJECT)

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-01-09-0164	DESIGN AND SUPPLY OF MATERIALS AND EQUIPMENT FOR WET CRUDE OIL TREATMENT PROJECT AT BABA AND COMMISSIONING OF PLANTS & THE REQUIREMENTS FOR GAS UTILIZATION FROM THESE UNITS	5	CONTRACT	Equipment for gas utilization for power plant requirements	Unable to determine

LOCATION : KIRKUK FIELD  
PROJECT 01-10 : DEVELOPMENT PROJECT  
(JAMBUR NORTH DOME PROJECT)

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-01-10-0166	DESIGN AND SUPPLY OF MATERIALS AND EQUIPMENT FOR WET CRUDE OIL TREATMENT PROJECT AT JAMBUR NORTH STATION AND COMMISSIONING OF PLANTS & THE REQUIREMENTS FOR GAS UTILIZATION FROM THESE UNITS	3	CONTRACT	Equipment for gas utilization for power plant requirements	Unable to determine

MINISTRY OF OIL

ESTABLISHMENT NAME : NORTH OIL COMPANY  
LOCATION : KIRKUK FIELD  
PROJECT 01-11 : DEVELOPMENT PROJECT  
(KHURMALA DOME PROJECT)

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-01-11-0168	- LINES PIPES, DIFFERENT DIAMETERS CONSISTING OF FLOW LINES, TRUNK LINES, SERVICE LINES ( OIL, GAS & WATER ) INCLUDING LAUNCHERS & RECEIVERS TRAPS, WRAPPING	500000	MTR.	Repeat contract fom phase 5 (for Khurmala Dome) to produce up to	Unable to determine
	- MATERIALS, STRUCTURAL STEEL FOR SUPPORTS, LIGHTING & CATHODIC PROTECTION SYSTEM			50,000 barrels per day of extra production	
	- MANIFOLDS INCLUDING STACKS AND ACCESSORIES	3	SET	"	Unable to determine
	- MATERIALS FOR WELL HEAD CONNECTIONS	65	SET	"	Unable to determine
	CONSUMABLES	100	ITEM	"	Unable to determine
	- DRAINAGE SYSTEM INCLUDING PIPING & DRAINAGE VESSELS	3	SET	"	Unable to determine
	- VALVES AND FITTINGS	3	SET	"	Unable to determine
	- SEPARATION BANKS (2 X 25000 BPD) PRODUCTION 3 PHASE SEPARATORS	3	SET	"	Unable to determine
	- TEST BANK (1 X 10000 BPD ) 3 PHASE SEPARATOR	3	SET	"	Unable to determine
	- BALANCE VESSELS (1 X 50000 BPD)	2	NOS.	"	Unable to determine
	- PUMPS ( MAIN CRUDE PUMPS )	3	SET	"	Unable to determine
	TO BE CONTINUED			"	

MINISTRY OF OIL

ESTABLISHMENT NAME : NORTH OIL COMPANY  
 LOCATION : KIRKUK FIELD  
 PROJECT 01-11 : DEVELOPMENT PROJECT  
 (KHURMALA DOME PROJECT )

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-01-11-0169	- FLOW TANKS ( 36000 BBL CAPACITY )	3	SET	Complementary requirements	Unable to determine
	- WET CRUDE TREATMENT (HEAT EXCHANGERS DEHYDRATORS, DESALTERS, PUMPS AND CHEMICAL FEED SYSTEMS) ( 2 X 60000 BPD)	2	NOS.	for Khurmala Dome project	Unable to determine
	- EFFLUENT WATER TREATMENT UNIT (CPI, FILTERS, PUMPS)	1	SET	"	Unable to determine
	BLOWERS AND CHEMICALS ( 1 X 6000 )			"	
	- GAS COMPRESSION TRAIN ( 50 MMSCFD EACH )	3	SET	"	Unable to determine
	- GAS DEHYDRATION ( 100 MMSCFD )	1	SET	"	Unable to determine
	- FORMATION WATER TANKS 5000 BBL	2	NOS.	"	Unable to determine
	- FRESH WATER TANKS ( 5000 BBL)	2	NOS.	"	Unable to determine
	- FRESH WATER TANK ( 15000 BBL)	2	NOS.	"	Unable to determine
	FUEL	20	ITEM	"	Unable to determine
	GAS ...ETC.)			"	
	- PIPES, VALVES AND FITTING ...ETC.	200	ITEM	"	Unable to determine
	TO BE CONTINUED			"	

MINISTRY OF OIL

ESTABLISHMENT NAME : NORTH OIL COMPANY  
 LOCATION : KIRKUK FIELD  
 PROJECT 01-11 : DEVELOPMENT PROJECT  
 (KHURMALA DOME PROJECT )

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-01-11-0170	- ELECTRICAL ( POWER GENERATION, TURBO ELECTRIC GAS GENERATORS)	2	SET	Complementary requirements	Unable to determine
	- ELECTRICAL SYSTEM FEEDING FROM NATIONAL GRID SUBSTATIONS TRANSFORMERS OVERHEAD, CABLING AND INTERNAL DISTRIBUTION AND LIGHTING SYSTEM.	30	ITEM	for Khurmala Dome project	Unable to determine
	- INSTRUMENTATION SYSTEMS			from previous page	Unable to determine
	- TELECOMMUNICATION SYSTEMS			"	Unable to determine
	- WELDING RODS, CONSTRUCTION MATERIALS AND CONSUMABLES	80	ITEM	"	Unable to determine
08-11-01-11-0175	BENTONITE ACTIVATING PLANT	1	PLANT	NON OIP new sector code	

MINISTRY OF OIL

ESTABLISHMENT NAME : SOUTH OIL COMPANY

LOCATION : ALL AREAS

PROJECT 02-01 : MAINTENANCE & OPERATION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-02-01-0180	DEMULSIFIER FOR CRUDE OIL TREATMENT	10000	DRUM	Requirements for maintenance of production	Not notifiable
08-11-02-01-0181	DEHYDRATING FLUID FOR CRUDE OIL TREATMENT	750	TON	"	Unable to determine
08-11-02-01-0182	FLARE SYSTEM FOR DEGASSING STATIONS-SOUTH RUMAILA	2	SET	"	Not notifiable
08-11-02-01-0183	S/P FOR ST. PIPELINE GAS COMPRESSORS	300	LOT	"	Unable to determine
08-11-02-01-0184	S/P FOR ST. PIPELINE GAS TURBINES PUMPS	300	LOT	"	Unable to determine
08-11-02-01-0185	S/P FOR SOLAR TURBINE GENERATORS C/W BATTERY SETS	200	LOT	"	Unable to determine
08-11-02-01-0186	CONTROL PANEL FOR GAS TURBINES	3	NOS.	"	Unable to determine
08-11-02-01-0187	DESLUDGING SYSTEM	2	UNIT	"	Unable to determine
08-11-02-01-0188	DIESEL PUMPS WITH HOSES	6	NOS.	"	Unable to determine
08-11-02-01-0189	VALVES	2000	NOS.	"	Unable to determine
08-11-02-01-0190	PIPE FITTINGS	12000	NOS.	"	Not notifiable
08-11-02-01-0191	LINING OF THREE CRUDE OIL TANKS (SERVICE CONTRACT)	1	CONTRACT	"	Unable to determine
08-11-02-01-0192	LATTICE TOWERS WITH ACCESSORIES (MISSAN)	300	ITEM	"	Unable to determine
08-11-02-01-0193	NATURAL GAS TREATMENT UNIT FOR REMOVING SULPHUR COMPOUNDS WITH S/P & ACCESSORIES (MISSAN)	1	UNIT	"	Unable to determine
08-11-02-01-0194	DEMULSIFIER AND CHEMICALS FOR OIL AND WATER TREATMENT AND LAB. TEST (MISSAN)	300	ITEM	"	Unable to determine

MINISTRY OF OIL

ESTABLISHMENT NAME : SOUTH OIL COMPANY

LOCATION : ALL AREAS

PROJECT 02-01 : MAINTENANCE & OPERATIONS

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-02-01-0195	SPARE PARTS FOR GAS TURBINES	500	ITEM	Requirements for production maintenance	Unable to determine
08-11-02-01-0196	PUMPS AND SPARE PARTS	500	ITEM	"	Unable to determine
08-11-02-01-0197	S/P FOR LOADING ARMS AND PLATFORM EQUIPMENT	200	ITEM	"	Unable to determine
08-11-02-01-0198	INSTRUMENTS AND CONTROL FOR PRODUCTION STATIONS	100	ITEM	"	Unable to determine
08-11-02-01-0199	UNITS & SPARES FOR DEPOTS & LOADING PLATFORMS	200	ITEM	"	Unable to determine
08-11-02-01-0200	REPLACEMENT OF OLD TA-1750 TURBO PUMPING UNITS BY NEW TURBO PUMPING UNITS OF LARGER CAPACITY	10	ITEM	Replacement of S Rumailah turbo pump installed in 1958	Unable to determine
08-11-02-01-0201	ALUMINUM OXIDE AL2 O3	2500	TON	Water treatment chemicals	Unable to determine

**PROJECT 02-01 : MAINTENANCE & OPERATIONS  
WORKSHOPS AND WAREHOUSES**

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-02-01-0202	COLD STORES FOR FOOD	10	NOS.	Staff support requirements	Not notifiable
08-11-02-01-0203	DRINKING WATER COOLER ( 50 - 80 ) LIT. CAP.	150	NOS.	"	Not notifiable
08-11-02-01-0204	BAKERY OVEN	30	NOS.	"	Not notifiable
08-11-02-01-0205	ELECTRICAL COOKER WITH OVEN	25	NOS.	"	Not notifiable
08-11-02-01-0206	WORK SHOP WITH SPARES & ACCESSORIES (MISSAN)	6	UNIT	Site workshop for maintenance	Unable to determine

**MINISTRY OF OIL**

ESTABLISHMENT NAME : SOUTH OIL COMPANY

LOCATION : ALL AREAS

PROJECT 02-01 : MAINTENANCE & OPERATIONS

RAW AND INDUSTRIAL WATER SYSTEMS

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-02-01-0207	PIPE LINE API 5L GRADE X-42 AND GR.B OF SIZES (12,14,16,20,24) INCH OF DIFFERENT THICKNESS	100	KM.	Provision of water supply to drilling rigs	Unable to determine
08-11-02-01-0208	PIPE LINE FITTINGS INCLUDING ELBOWS, TEES, REDUCERS, FLANGES, GASKET AND BOLTS OF DIFFERENT SIZES AND THICKNESS	100	ITEM	Provision of water supply to drilling rigs	Not notifiable
08-11-02-01-0209	VALVES (GATE, BALL, CHECK) OF DEFERENT SIZES FOR THE ABOVE PIPES AND DIFFERENT ANSI CLASSES	50	ITEM	Provision of water supply to drilling rigs	Unable to determine
08-11-02-01-0210	WATER PUMPS ELECTRICAL DRIVEN AND DIESEL DRIVEN COMPLETE WITH INTER CONNECTING PIPING AND LOCAL MCC AND CONTROL SYSTEM WITH PARTS	20	SET	Provision of water supply to drilling rigs	Unable to determine

**MINISTRY OF OIL**

ESTABLISHMENT NAME : SOUTH OIL COMPANY

LOCATION : PS1 - K3 PIPE LINE

PROJECT 02-02 : REHABILITATION / REVAMPING OF EXISTING  
INSTALLATIONS

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-02-02-0220	SLEEVES 42"	200	NOS.	Repair of pipeline form PS-1 to K3	Not notifiable
08-11-02-02-0221	SLEEVES 48"	100	ITEM	"	Not notifiable
08-11-02-02-0222	PIPELINE 18" × 0.375 X-60	60	KM.	"	Unable to determine
08-11-02-02-0223	PIPELINE FITTINGS AND VALVES FOR GAS P/L 18"	100	ITEM	"	Unable to determine
08-11-02-02-0224	PIPELINE 42" DIAMETER, × = 52	5	KM.	"	Unable to determine

LOCATION : AL-BAKR DEEP SEA TERMINAL

PROJECT 02-02 : REHABILITATION / REVAMPING OF EXISTING  
INSTALLATIONS

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-02-02-0225	- MISCELLANEOUS ITEMS (PIPES, FITTINGS TUBES, INSTRUMENTS, VALVES, CABLES, METAL SHEETS & SECTIONS, ELECTRICAL ACCESSORIES) FOR THE PLATFORMS & LIVING ACCOMMODATION	1000	ITEM	Repairs to Mina al-Bakr terminal	Unable to determine
				"	
				"	
				"	

	- STRUCTURAL SURVEY OF TERMINAL STRUCTURES	1	CONTRACT	Contract for underwater structural survey for Mina al-Bakr	Not notifiable
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MINISTRY OF OIL

ESTABLISHMENT NAME : SOUTH OIL COMPANY  
 LOCATION : MISSAN OIL FIELD  
 PROJECT 02-02 : REHABILITATION / REVAMPING OF EXISTING  
 INSTALLATIONS

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-02-02-0226	- DEHYDRATION, DESALTING TRAINS INCLUDING VESSELS,	30	SET	Rehabilitation to surface process plants	Unable to determine
	PUMPS, ELECTRICAL, CONTROL & INSTRUMENT, PIPING,			in Missan field	
	FITTING, VALVES, EFFLUENT WATER & DISPOSAL			"	
	FACILITIES & ALL COMPLEMENTARY ACCESSORIES			"	
	OF CAPACITY OF 20000 BPD	3	CONTRACT	"	
- GAS UTILIZATION OF MISSAN OIL FIELD	"			Not notifiable	

MINISTRY OF OIL

ESTABLISHMENT NAME : SOUTH OIL COMPANY  
 LOCATION : FAO  
 PROJECT 02-02 : REHABILITATION / REVAMPING OF EXISTING  
 INSTALLATIONS / FAO OIL DEPOT.

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-02-02-0227	- FIRE FIGHTING FACILITIES INCLUDING PUMPS, FOAM BAG,	200	ITEM	Requirements for the	Not notifiable
	TANK FOAM GENERATORS, FIRE WATER MONITOR,			rehabilitation of	
	HYDRANT HOSE, FIRE HYDRANTS, HOSE REEL, HYDRANT			Fao Oil Depot	
	BOX, EXTINGUISHERS, WHEELED AND MOBILE CO2			to facilitate	
	EXTINGUISHERS, QUICK CONNECTIONS, TWINNED			increased production	
	WHEELED EXTINGUISHERS & OTHER ACCESSORIES.	"			
	- TURBO GENERATING SET	1	SET	"	Unable to determine
	- INSTRUMENT EQUIPMENT	225	ITEM	"	Unable to determine
	- DISTRIBUTED CONTROL SYSTEM	1	SET	"	Unable to determine
	- FITTINGS	100	ITEM	"	Unable to determine
- COMMUNICATION EQUIPMENT	20	ITEM	"	Unable to determine	

MINISTRY OF OIL

ESTABLISHMENT NAME : SOUTH OIL COMPANY  
 LOCATION : ALL AREAS  
 PROJECT 02-03 : SUSTAINING AND ENHANCING PRODUCTION  
 CAPABILITIES / DRILLING, COMPLETION AND  
 WORK OVER OPERATION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-02-03-0235	CASING	100	ITEM	Drilling, completion and work-over requirements	Unable to determine
08-11-02-03-0236	TUBING AND TUBING ACC	100	ITEM	"	Unable to determine
08-11-02-03-0237	WELL HEAD AND X-MASS TREE	2	SET	"	Unable to determine
08-11-02-03-0238	VALVES AND ACC.	50	ITEM	"	Unable to determine
08-11-02-03-0239	DRILLING BITS AND NOZZLES AND ACC.	100	ITEM	"	Unable to determine
08-11-02-03-0240	LOCAL CASING	50	ITEM	"	Unable to determine
08-11-02-03-0241	PRODUCTION PACKER AND ACC.	75	ITEM	"	Unable to determine
08-11-02-03-0242	MUD-LOGGING SERVICES (SERVICE CONTRACT)	1	CONTRACT	"	Unable to determine
08-11-02-03-0243	DRILL STRING TESTING (DST) TOOLS AND ACC.	100	ITEM	"	Unable to determine
08-11-02-03-0244	LOGGING EQUIPMENT AND WIRELINE MOUNTED ON TRUCK WITH TOOLS AND ACCESSORIES	200	ITEM	"	Unable to determine
08-11-02-03-0245	CORROSION MONITORING & TREATMENT (SERVICE CONTRACT)	1	CONTRACT	"	Unable to determine

<del>08-11-02-03-0246</del>	S/P & WELL HEAD ACC. FOR SUBMERSIBLE PUMPS	100	ITEM	"	Unable to determine
<del>08-11-02-03-0247</del>	SPARE PARTS FOR PUMPING UNITS	100	ITEM	"	Unable to determine
<del>08-11-02-03-0248</del>	SPARE PARTS FOR X-MASS TREE	100	ITEM	"	Unable to determine
<del>08-11-02-03-0249</del>	SPARE PARTS & ACC. FOR CEMENTING STORAGE TANKS	100	ITEM	"	Unable to determine
08-11-02-03-0250	SPARE PARTS FOR WIRELINE TOOLS AND SURFACE SYSTEM WITH ACCESSORIES	500	ITEM	"	Unable to determine
08-11-02-03-0251	DRILLING AND COMPLETION OF (40) VERTICAL WELLS	2	CONTRACT	Drilling and completion of 40 wells at N Rumailah increase production by 200,00 bpd	Unable to determine
<del>08-11-02-03-0252</del>	LOGGING OF (50) WELLS	4	CONTRACT	Logging of 50 wells	Unable to determine

MINISTRY OF OIL

ESTABLISHMENT NAME : SOUTH OIL COMPANY

LOCATION : ALL AREAS

PROJECT 02-03 : SUSTAINING AND ENHANCING PRODUCTION  
CAPABILITIES

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-02-03-0253	HYPOCHLORITE GENERATION UNIT COMPLETE WITH ALL NECESSARY EQUIPMENT & ACCESSORIES	20	ITEM	Water treatment plant to replace chlorine injection system	Unable to determine
08-11-02-03-0254	CRUDE OIL FLOW TANKS 10000M <sup>3</sup> , 5000 M <sup>3</sup> , FIRE WATER TANK 70M <sup>3</sup> , 1000M <sup>3</sup> , BAD OIL TANK 700 M <sup>3</sup> COMPLETE WITH PUMPS, PIPING, VALVES, INSTRUMENT AND CONTROL WITH ALL ACCESSORIES	50	ITEM	Flow tanks for degassing station	Unable to determine
08-11-02-03-0255	SUBSTATIONS 132/33 KV, 25 MVA WITH ACCESSORIES & SPARES	5	PACKAGE	Power requirements at W Qurna	Unable to determine

LOCATION : NORTH, SOUTH RUMAILA

PROJECT 02-03 : SUSTAINING & ENHANCING PRODUCTION  
CAPABILITIES

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-02-03-0256	DEHYDRATION FLUID RE-GENERATION UNITS AND SPARES COMPLETE PACKAGES WITH ALL NECESSARY EQUIPMENT AND ACCESSORIES	20	ITEM	Regeneration units for N/S Rumailah surface plant	Unable to determine
08-11-02-03-0257	CEMENTING AND ACIDIZING PUMPING UNITS WITH SPARE PARTS AND ACCESSORIES	100	ITEM	NON OIP <b>new sector code</b>	

MINISTRY OF OIL

ESTABLISHMENT NAME : SOUTH OIL COMPANY

LOCATION : ALL AREAS

PROJECT 02-04 : SAFETY AND ENVIRONMENTAL PROTECTION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-02-04-0265	FIRE FIGHTING EQUIPMENT & FITTINGS	3000	NOS.	Fire fighting requirements	Not notifiable
08-11-02-04-0266	SAFETY PROTECTIVE EQUIPMENT	8000	NOS.	Safety equipment	Not notifiable
08-11-02-04-0267	FIRE FIGHTING CHEMICALS	2000	CAN SACK	Fire fighting requirements	Not notifiable
08-11-02-04-0268	FIRE FIGHTING TRUCK FOR OIL & GAS WELLS	10	NOS.	Fire fighting requirements	Not notifiable
08-11-02-04-0269	S/P FOR FIRE FIGHTING TRUCKS & FIRE SYSTEMS	2000	NOS.	Spares for fire fighting equipment	Not notifiable
08-11-02-04-0270	AIR POLLUTION MONITORING MOBILE SYSTEM	1	NO.	Pollution measurement	Unable to Determine

MINISTRY OF OIL

ESTABLISHMENT NAME : SOUTH OIL COMPANY  
 LOCATION : ALL AREAS  
 PROJECT 02-05 : SERVICE AND PLANT EQUIPMENT  
 WORKSHOP EQUIPMENT, CONSTRUCTION  
 EQUIPMENT, TOOLS & SPARE PARTS

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-02-05-0275	DIESEL ENGINE DRIVEN WELDING MACHINES	20	SET	Workshop equipment	Not notifiable
08-11-02-05-0276	ELECTRICAL WELDING MACHINE	20	SET	"	Not notifiable
08-11-02-05-0277	JACKHAMMER WITH ACCESSORIES	20	ITEM	"	Not notifiable
08-11-02-05-0278	PIPE WRAPPING MACHINE	20	SET	"	Unable to Determine
08-11-02-05-0279	SCAFFOLD STRUCTURE AND ACCESSORIES	500	ITEM	"	Not notifiable
08-11-02-05-0280	PORTABLE GRINDING M/C WITH ACCESSORIES	100	NOS.	"	Unable to Determine
08-11-02-05-0281	PLASTIC TILES	10	ITEM	"	Not notifiable
08-11-02-05-0282	WELDING TENT	20	ITEM	Tent to protect exposed welding sites	Not notifiable
08-11-02-05-0283	BENDING MACHINE WITH ACCESSORIES	2	SET	Workshop equipment	Unable to Determine
08-11-02-05-0284	PIPE HANDLING BELTS	40	NOS.	Workshop equipment	Not notifiable
08-11-02-05-0285	HYDRAULIC PIPE ROUNDING DEVICE	10	SET	Workshop equipment	Unable to Determine
08-11-02-05-0286	WATER PUMP FOR TESTING PIPELINE INTEGRITY	4	SET	Testing of pipelines	Unable to Determine
08-11-02-05-0287	PIPELINE ROUTE SURVEYING TOOLS WITH ACCESSORIES	10	ITEM	Survey equipment for pipe laying	Unable to Determine

MINISTRY OF OIL

ESTABLISHMENT NAME : SOUTH OIL COMPANY  
 LOCATION : ALL AREAS  
 PROJECT 02-05 : SERVICE AND PLANT EQUIPMENT

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-02-05-0288	WATER TANKER TRUCK CAP. 15 M <sup>3</sup> WITH SPARES	20	NOS.	Water delivery truck	Unable to Determine
08-11-02-05-0289	WORKSHOP EQUIPMENT & TOOLS	50	ITEM	Workshop equipment	Unable to Determine
08-11-02-05-0290	SPARE PARTS FOR HEAVY TRUCKS	3000	ITEM	Spares for transportation	Not notifiable
08-11-02-05-0291	TYRES WITH TUBE AND FLAP FOR HEAVY & LIGHT TRUCK	20	ITEM	Spares for transportation	Not notifiable
08-11-02-05-0292	FORK LIFT 5 TON & TELESCOPIC BOOM	10	NOS.	Workshop equipment	Not notifiable
08-11-02-05-0293	BAND SAW CUTTING, ECCENTRIC PRESSES, UNIVERSAL LATHE, SHAPING MACHINES, GULLTINE MACHINES, ROLLING PLATE MACHINES WITH SPARES & ACCESSORIES (MISSAN)	300	ITEM	Workshop equipment	Unable to Determine
08-11-02-05-0294	WELDING MACHINE WITH SPARES AND ACCESSORIES (MISSAN)	300	ITEM	Workshop equipment	Unable to Determine

MINISTRY OF OIL

ESTABLISHMENT NAME : SOUTH OIL COMPANY  
 LOCATION : ALL AREAS  
 PROJECT 02-06 : TESTING, INSPECTION, STUDIES, SURVEYS &  
 LABORATORIES

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-02-06-0300	INSTRUMENTS FOR HYDROGRAPHIC SURVEYING FOR TANK ROUTE NEAR AL-BAKR: - ECHO SOUNDER - SIDE SCAN SONAR - MAGNETOMETER - CAMERA ACCESSORIES	2	SET	Equipment for visual inspection of	Unable to Determine
				sea lines to Mina al-Bakr	Unable to Determine
				terminal, and for survey of	Unable to Determine
				tanker channel to and from	Unable to Determine
				Mina al-Bakr terminal	Unable to Determine
				"	Unable to Determine

<b>08-11-02-06-0301</b>	<b>INSTRUMENTS FOR LAND SURVEYING WITH SPARE PARTS AND ACCESSORIES</b>	<b>20 80</b>	<b>SET NOS.</b>	Land survey equipment	<b>Unable to Determine</b>
<b>08-11-02-06-0302</b>	<b>DESIGN AND DRAWING SYSTEM: - A0 MAP SCANNER - A0 COLOUR PLOTTER - REDUCTION / ENLARGEMENT ENGINEERING COPIER - DRAWING BOARDS WITH STOOLS &amp; CABINS &amp; FULL ACCESSORIES</b>	<b>2</b>	<b>SET</b>	Office equipment	<b>Not notifiable</b>
				to support	<b>Not notifiable</b>
				field studies	<b>Not notifiable</b>
				"	<b>Not notifiable</b>
				"	<b>Not notifiable</b>

MINISTRY OF OIL

ESTABLISHMENT NAME : SOUTH OIL COMPANY

LOCATION : ALL AREAS

PROJECT 02-06 : TESTING, INSPECTION, STUDIES, SURVEYS &  
LABORATORIES

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-02-06-0303	EQUIPMENT & ACCESSORIES FOR CENTRAL LAB.	50	ITEM	Quality control requirements	Unable to Determine
08-11-02-06-0304	DRAWING BOARDS WITH STOOLS, CABINS AND FULL ACCESSORIES	20	SET	Laboratory furniture	Not notifiable
08-11-02-06-0305	LABORATORIES EQUIPMENT, MACHINES AND INSTRUMENTS USED FOR CIVIL ENGINEERING AND CONSTRUCTION TESTING	100	ITEM	Laboratory and NDT testing equipment	Unable to Determine
08-11-02-06-0306	QUALITY CONTROL APP. AND CHEMICALS FOR OIL AND WATER TREATMENT	500 6000 600	TON LIT. NOS.	Quality control requirements	Unable to Determine
08-11-02-06-0307	OIL AND WATER LAB. TEST EQUIPMENT AND CORROSION MONITORING SYSTEM (MISSAN)	200	ITEM	Quality control and corrosion monitoring requirements	Unable to Determine
08-11-02-06-0308	3-D SURVEY AND PROCESSING FOR RUMAILA OIL FIELD TO EVALUATE TRAPPING OF OIL	1	CONTRACT	3-D seismic survey for Rumailah	Unable to Determine
08-11-02-06-0309	BOTTOM HOLE CONTINUOUS PRESSURE MEASUREMENT DEVICES WITH MEMORY AND READOUT EQUIPMENT	5	ITEM	Down hole measurement	Unable to Determine

MINISTRY OF OIL

ESTABLISHMENT NAME : SOUTH OIL COMPANY

LOCATION : ALL AREAS

PROJECT 02-06 : TESTING, INSPECTION, STUDIES, SURVEYS &  
LABORATORIES / ENGINEERING INSPECTION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-02-06-0310	EQUIPMENT AND MATERIALS FOR CATHODIC PROTECTION	50	ITEM	Corrosion protection	Not notifiable
08-11-02-06-0311	ENGINEERING INSPECTION OF PIPELINES / SERVICE CONTRACT	6	CONTRACT	Inspection contract	Not notifiable
08-11-02-06-0312	EQUIPMENT & MATERIALS FOR ENGINEERING INSPECTION	100	ITEM	Inspection requirements	Unable to Determine
08-11-02-06-0313	EQUIPMENT AND MATERIALS FOR WELDING TRAINING CENTER	100	ITEM	Training requirements	Unable to Determine
08-11-02-06-0314	CORROSION MONITORING SYSTEM	5	CONTRACT	Corrosion monitoring equipment	Unable to Determine
08-11-02-06-0315	QUALIFICATION OF PERSONNEL WORKING IN ENGINEERING INSPECTION FIELD	5	CONTRACT	Training for NDT inspectors	Unable to Determine

LOCATION : MAJNOON & RATAWI

PROJECT 02-07 : DEVELOPMENT PROJECT - PUMPS PACKAGES.

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-02-07-0321	CRUDE OIL BOOSTER AND MAIN PUMPS, FIRE FIGHTING PUMPS, SMALL PUMPS VARIOUS SIZES COMPLETE WITH ELECTRIC MOTORS AND ALL NECESSARY ACCESSORIES	100	ITEM	Pumps for production increase	Unable to Determine

MINISTRY OF OIL

ESTABLISHMENT NAME : SOUTH OIL COMPANY

LOCATION : WEST QURNA

PROJECT 02-08 : DEVELOPMENT PROJECT

CONTINUATION OF OIL FIELD UPGRADING,  
WATER INJECTION (SURFACE INSTALLATION)

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-02-08-0324	COMPLETION & REHABILITATION OF PERMANENT 132/KV SUBSTATION WITH SUPPLY OF SPARES	6	SET	Stable power supply requirements	Unable to Determine
08-11-02-08-0325	SUPPLY OF EQUIPMENT FOR 132KV H.T LINES INCLUDING (TOWERS, CONDUCTORS) FITTING & ACCESSORIES ...ETC.	200	ITEM	Change from 11KV to 132 KV power supply	Unable to Determine
08-11-02-08-0326	COATING MATERIAL	30	ITEM	Tape/Epoxy coatings	Not notifiable
08-11-02-08-0327	CHEMICAL FEED SYSTEM FOR WATER TREATMENT FACILITIES AIR BLOWERS FOR FILTERS WITH ACCESSORIES & SPARES	6	SET	Water treatment	Unable to Determine
08-11-02-08-0328	VARIOUS PUMPS WITH DRIVERS & SPARES	90	ITEM	Water injection	Unable to Determine
08-11-02-08-0329	REHABILITATION OF MAIN WATER INJECTION PUMPS & MOTORS WITH SUPPLY OF SPARES	6	SET	Repair of pumps for water injection	Unable to Determine
08-11-02-08-0330	VESSELS & ACCESSORIES	20	ITEM	Water injection system requirements	Unable to Determine
08-11-02-08-0331	INSTRUMENTATION, CONTROL & TELECOMMUNICATION EQUIPMENT WITH SPARES	60	ITEM	Water injection system requirements	Unable to Determine
08-11-02-08-0332	SUPPLY OF OVERHEAD CRANES WITH ACCESSORIES & SPARES	30	SET	Plant for injection facilities	Unable to Determine
08-11-02-08-0333	DIESEL GENERATOR WITH ACCESSORIES & SPARES	4	SET	Plant for injection facilities	Unable to Determine
TO BE CONTINUED					

MINISTRY OF OIL

ESTABLISHMENT NAME : SOUTH OIL COMPANY

LOCATION : WEST QURNA

PROJECT 02-08 : DEVELOPMENT PROJECT

CONTINUATION OF OIL FIELD UPGRADING,  
WATER INJECTION (SURFACE INSTALLATION)

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-02-08-0334	AIR COMPRESSORS WITH ACCESSORIES & SPARES	4	PACKAGE	Water injection system requirements	Unable to Determine
08-11-02-08-0335	CHLORINATION UNIT WITH ACCESSORIES & SPARES	6	PACKAGE	Water injection system requirements	Unable to Determine
08-11-02-08-0336	TECHNICAL ASSISTANCE / ENGINEERING CONSULTANCY	1	CONTRACT	Water injection system requirements	Unable to Determine
08-11-02-08-0337	VALVES, FITTINGS AND PIPE ACCESSORIES (DS6)	100	ITEM	Water injection system requirements	Unable to Determine
08-11-02-08-0338	FIELD OIL WELL PRODUCTION MANIFOLDS (EACH MANIFOLD SUITABLE FOR 25 WELLS) (DS6)	100	ITEM	Production enhancement	Unable to Determine
08-11-02-08-0339	FLOW TANK (DS6)	1	NO.	10,000 M3 flow tank	Unable to Determine
08-11-02-08-0340	FUEL GAS SYSTEM (DS6)	20	ITEM	Gas system	Unable to Determine

MINISTRY OF OIL

ESTABLISHMENT NAME : SOUTH OIL COMPANY

LOCATION : WEST QURNA

PROJECT 02-09 : DEVELOPMENT PROJECT

(COMPLETION OF GAS UTILIZATION)

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-02-09-0346	FIRE FIGHTING SYSTEM FOR GAS COMPRESSION TRAINS WITH SPARES	3	PACKAGE	Fire fighting requirements	Unable to Determine
08-11-02-09-0347	TECHNICAL ASSISTANCE / ENGINEERING CONSULTANCY	1	CONTRACT	Consultancy for gas utilization project	Unable to Determine

**PROJECT 02-10 : DEVELOPMENT PROJECT  
 UTILIZATION OF ZUBAIR FIELD ASSOCIATED  
 GAS (PHASE 2)**

<b>CODE</b>	<b>ITEM DESCRIPTION</b>	<b>QTY</b>	<b>UNIT</b>	<b>COMMENT</b>	<b>1051 Determination</b>
<b>08-11-02-10-0350</b>	ENGINEERING, SUPPLY OF MATERIALS, ERECTION OF MAIN EQUIPMENT, SUPERVISION OF CONSTRUCTION & COMMISSIONING FOR UTILIZATION OF GAS FROM 7 DEGASSING STATIONS	6	CONTRACT	Second phase of gas project to supply national grid from N Gas plant.	<b>Unable to Determine</b>

MINISTRY OF OIL

ESTABLISHMENT NAME : SOUTH OIL COMPANY

LOCATION : NORTH RUMAILAH

PROJECT 02-11 : DEVELOPMENT PROJECT

CONTINUATION OF ADDITIONAL DEVELOPMENT  
OF NORTH RUMAILAH OIL FIELD / INDUSTRIAL  
WATER REQUIREMENT

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-02-11-0353	- ELECTRICAL SYSTEM L.T. & H.T.	20	ITEM	Electrical equipment	Unable to Determine
	- FLOW PIPES	10	ITEM	Well connection	Unable to Determine
	- CATHODIC PROTECTION SYSTEMS	10	ITEM	Corrosion protection	Not notifiable
	- TELECOMMUNICATION SYSTEM	10	ITEM	Communication	Unable to Determine
	- INSTRUMENTS AND CONTROL VALVES	20	ITEM	Instrumentation	Unable to Determine
	- FILTRATION SYSTEM	5	ITEM	Filtration requirements	Unable to Determine

LOCATION : ALL AREAS

PROJECT 02-12 : DEVELOPMENT PROJECT

UTILIZATION OF GAS FROM WET CRUDE  
TREATMENT UNITS

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-02-12-0355	DESIGN AND SUPPLY OF MATERIALS AND EQUIPMENT TO UTILIZE THE GAS FROM WET CRUDE OIL UNITS IN ALL AREAS	10	CONTRACT	Plant to use previously flared gas and connect to national grid	Unable to Determine
08-11-02-13-0358	- CRUDE OIL PROCESSING AND TREATMENT PLANT FOR PRODUCTION OF 50000 BPD INCLUDING DEGASSING BANKS EACH OF TWO STAGES, DEHYDRATION, DESALTING, TEST SEPARATOR, INLET MANIFOLDS, EFFLUENT WATER TREATMENT AND FLARE SYSTEM WITH INSTRUMENT COMPRESSED AIR SYSTEM	500	ITEM		
	- CRUDE OIL FLOW TANKS OF 10000 M3, WATER TANKS, COMPLETE WITH NOZZLES, INSTRUMENT AND CONTROL, PIPING, LIGHTING, LIGHTNING, CATHODIC PROTECTION AND ACCESSORIES	5	SET	NON OIP new sector code	
	- CRUDE OIL BOOSTER AND MAIN PUMPS, SMALL PUMPS OF VARIOUS SIZES COMPLETE B641 WITH ACCESSORIES	50	ITEM		
	- FIRE FIGHTING SYSTEM INCLUDING PUMP SYSTEM, PIPING, VALVES AND ACCESSORIES	100	ITEM		

<b>08-11-12-01-1362</b>	- MOTORS OF DIFFERENT SIZES AND TYPES TO BE USED IN PUMPING STATIONS, DEPOTS AND PIPE LINE NETWORKS	100	NOS	NON OIP	
	- PUMPING UNITS ELECTRICALLY DRIVEN, DIFFERENT SIZES AND TYPES FOR PUMPING STATIONS AND DEPOTS	100	UNIT		
	- ELECTRIC CABLES DIFFERENT SIZES AND TYPES INCLUDING CONTROL, TELECOM, CABLES	10	KM		
	- SPARE PARTS FOR ABOVE	50	SET		
	EQUIPMENT	50	NOS		

MINISTRY OF OIL

ESTABLISHMENT NAME : IRAQ DRILLING CO.

LOCATION : BASRAH AND KIRKUK

PROJECT 03-01 : MAINTENANCE & OPERATION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-03-01-0365	SPARE PARTS FOR DRILLING & WORK OVER RIGS	120000	NOS.	Spare parts and equipment	Unable to Determine
08-11-03-01-0366	EQUIPMENT FOR DRILLING & WORK OVER RIGS	80000	NOS.	for drilling and	Unable to Determine
08-11-03-01-0367	WORKSHOP EQUIPMENT & HAND TOOLS	20000	NOS.	well-workover field camps	Unable to Determine
08-11-03-01-0368	DRILLING CAMPS & CAMPS EQUIPMENT & ACCESSORIES	20	ITEM	and supporting	Unable to Determine
08-11-03-01-0369	TRACTIVE UNIT WITH LOW BED TRAILER FOR RIG MOVEMENT	6	NOS.	equipment	Unable to Determine
08-11-03-01-0370	WORK SHOP WITH ACCESSORIES & TOOLS	30	ITEM	"	Unable to Determine
08-11-03-01-0371	OIL & WATER TANKER & SPARES	12	ITEM	"	Unable to Determine
08-11-03-01-0372	FOOD TRANSPORTATION TRUCK WITH SPARES	3	ITEM	"	Unable to Determine

LOCATION : BASRAH AND KIRKUK

PROJECT 03-03 : SUSTAINING & ENHANCING PRODUCTION

CAPABILITIES

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-03-03-0376	WORK OVER RIG COMPLETE WITH ALL ACCESSORIES & SPARE PARTS	3	ITEM	Complete work over rigs	Unable to determine

MINISTRY OF OIL

ESTABLISHMENT NAME : IRAQ DRILLING CO.

LOCATION : BASRAH AND KIRKUK

PROJECT 03-04 : SAFETY & ENVIRONMENTAL PROTECTION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-03-04-0380	SAFETY & FIRE FIGHTING EQUIPMENT	10000	NOS.	Fire equipment	Not notifiable
08-11-03-04-0381	INSPECTION EQUIPMENT	50	NOS.	Environmental testing equipment	Unable to determine

LOCATION : BASRAH AND KIRKUK  
PROJECT 03-05 : SERVICE AND PLANT EQUIPMENT

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-03-05-0385	SPARE PARTS FOR HEAVY VEHICLE & EQUIPMENT	60000	NOS.	Spare parts requirement	Not notifiable
08-11-03-05-0386	LORRIES WITH LIFT CRANE & SPARES	3	NOS.	Vehicle requirements	Not notifiable
08-11-03-05-0387	HYDRAULIC LIFT CRANE (30-50T) & SPARES	15	NOS.	Cranes	Not notifiable
08-11-03-05-0388	BARREL LIFT (2T) TRUCK WITH SPARES	4	NOS.	Lifts for barrel handling	Not notifiable
08-11-03-05-0389	HYDRAULIC PLATFORM FOR STREET LIGHT CHANGE	1	NO.	Cherry picker for lamp replacement	Not notifiable
08-11-03-05-0390	RECOVERY TRUCK WITH SPARES	2	NOS.	Vehicle requirements	Not notifiable
08-11-03-05-0391	OIL FIELD TRUCK-KENWORTH & SPARE PARTS	3	NOS	New sector code	

MINISTRY OF OIL

ESTABLISHMENT NAME : STATE COMPANY FOR OIL PROJECTS  
LOCATION : ALL AREAS  
PROJECT 04-01 : MAINTENANCE & OPERATIONS

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-04-01-0400	CABLES & ACCESSORIES	100	KM.	Electrical equipment	Not notifiable
		4	ITEM	Electrical equipment	Not notifiable
08-11-04-01-0401	OVER HEAD LINES SWITCH FUSE & ISOLATIONS	15	ITEM	Electrical equipment	Not notifiable
08-11-04-01-0402	EXPLOSION PROOF EQUIPMENT (LIGHTENING & INSTALLATION ACCESSORIES)	10	ITEM	Intrinsically safe equipment	Not notifiable
08-11-04-01-0403	ELECTRICAL TESTING EQUIPMENT/INSTRUMENT	100	ITEM	Electrical equipment	Not notifiable
08-11-04-01-0404	INSULATING KITS	15	ITEM	Insulation equipment	Not notifiable
08-11-04-01-0405	DESIGN & ENGINEERING SOFTWARE	50	ITEM	Design equipment	Unable to determine

MINISTRY OF OIL

ESTABLISHMENT NAME : STATE COMPANY FOR OIL PROJECTS  
LOCATION : ALL AREAS  
PROJECT 04-05 : SERVICE & PLANT EQUIPMENT  
CONSTRUCTION EQUIPMENT WITH S.P

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-04-05-0410	CRANE 80 TON WITH S/P	3	ITEM	Construction equipment requirements	Not notifiable
08-11-04-05-0411	WHEEL LOADER 3 M <sup>3</sup> WITH S/P	6	ITEM	"	Not notifiable
08-11-04-05-0412	CRAWLER EXCAVATOR 1M <sup>3</sup> WITH S/P	5	ITEM	"	Not notifiable
08-11-04-05-0413	EXCAVATOR 0.5 M <sup>3</sup> WITH S/P	4	ITEM	"	Not notifiable
08-11-04-05-0414	FILLING PUMP 500 M <sup>3</sup> /HR WITH S/P	2	ITEM	"	Unable to determine
08-11-04-05-0415	LORRY 5 TON DOUBLE CAP WITH S/P	10	ITEM	"	Not notifiable
08-11-04-05-0416	LORRY 16 TON WITH S/P	5	ITEM	"	Not notifiable
08-11-04-05-0417	FORK LIFT 3 TON WITH S/P	10	ITEM	"	Not notifiable
08-11-04-05-0418	CEMENT MIXER 0.5 M <sup>3</sup> (DIESEL)	10	ITEM	"	Not notifiable
08-11-04-05-0419	BORING MACHINE WITH S/P	1	ITEM	"	Unable to determine
08-11-04-05-0420	PIPE BENDING MACHINE WITH S/P	2	ITEM	"	Unable to determine
08-11-04-05-0421	DUMPER 3TONS WITH S/P	10	ITEM	"	Unable to determine
08-11-04-05-0422	FUEL TANK SEMITRAILER 30M <sup>3</sup> WITH S/P	4	ITEM	"	Unable to determine
08-11-04-05-0423	WATER TANK SEMITRAILER 30M <sup>3</sup> WITH S/P	4	ITEM	"	Unable to determine
08-11-04-05-0424	ELECTRIC GENERATOR 500 KVA	10	ITEM	"	Not notifiable
08-11-04-05-0425	TRUCK TRACTOR (275-290) H.P WITH S/P	3	ITEM	"	Not notifiable
08-11-04-05-0426	TRUCK TRACTOR (210-230) H.P WITH S/P	5	ITEM	"	Not notifiable
08-11-04-05-0427	TRACTOR WITH CARRIAGE WITH S/P	10	ITEM	"	Not notifiable
08-11-04-05-0428	RECOVERY TRUCK FOR LIGHT CARS	5	ITEM	"	Not notifiable

MINISTRY OF OIL

ESTABLISHMENT NAME : STATE COMPANY FOR OIL PROJECTS

LOCATION : ALL AREAS

PROJECT 04-05 : SERVICE & PLANT EQUIPMENT

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-04-05-0429	CONCRETE SHAKER WITH S/P	10	ITEM	Construction equipment	Not notifiable
08-11-04-05-0430	SEMITRAILER 50-60T WITH S/P	8	ITEM	"	Not notifiable
08-11-04-05-0431	MANUAL STEEL ROLLER WITH S/P	10	ITEM	"	Not notifiable
08-11-04-05-0432	STEEL - TYRE ROLLER WITH S/P	5	ITEM	"	Not notifiable
08-11-04-05-0433	SHEEP - FOOT ROLLER WITH S/P	5	ITEM	"	Not notifiable
08-11-04-05-0434	TYRE ROLLER WITH S/P	5	ITEM	"	Not notifiable
08-11-04-05-0435	MOBILE STREET LIGHTING & LIFTING TRUCK WITH S/P	4	ITEM	"	Not notifiable
08-11-04-05-0436	LUBRICATING TRUCK WITH S/P	5	ITEM	"	Not notifiable
08-11-04-05-0437	CONCRETE MIXER 30M <sup>3</sup> /HR WITH S/P	3	ITEM	"	Not notifiable
08-11-04-05-0438	CONCRETE PUMP TRUCK WITH S/P	6	ITEM	"	Not notifiable
08-11-04-05-0439	TRUCK MIXER 7M <sup>3</sup> WITH S/P	10	ITEM	"	Not notifiable
08-11-04-05-0440	CRANES CAPACITY (10-25) TONS WITH S/P	33	ITEM	"	Not notifiable

MINISTRY OF OIL

ESTABLISHMENT NAME : STATE COMPANY FOR OIL PROJECTS

LOCATION : ALL AREAS

PROJECT 04-05 : SERVICE & PLANT EQUIPMENT

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-04-05-0441	WORKSHOP WITH ACCESSORIES	1	ITEM	Workshop equipment	Unable to determine
08-11-04-05-0442	CHILLER (1000) TON	1	ITEM	Industrial cooling unit	Not notifiable
08-11-04-05-0443	SPARE PARTS FOR : CRANES/ EXCAVATORS/ TRUCK TRACTORS/ WELDING MACHINES/ BUSES/ WHEEL LOADER/ STATION WAGON/ TANKERS/ GENERATORS	3000	ITEM	Spare parts for plant and equipment	Unable to determine

LOCATION : BAGHDAD

PROJECT 04-05 : SERVICE AND PLANT EQUIPMENT

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-04-05-0444	LATHE MACHINE WITH SUITABLE ACCESSORIES & SPARE PARTS	1 5	NO. ITEM	Workshop equipment	Unable to determine
08-11-04-05-0445	COORDINATE MEASURING MACHINE WITH SPARE PARTS	1	NO.	"	Unable to determine
08-11-04-05-0446	ELECTRIC WIRE CUT MACHINE WITH SPARE PARTS	1	NO.	"	Unable to determine
08-11-04-05-0447	ELECTRICAL DISCHARGE MACHINE EDM WITH SPARE PARTS	1	NO.	"	Unable to determine
08-11-04-05-0448	GRINDING MACHINE FOR CYLINDRICAL SURFACES WITH SPARE PARTS	1	NO.	"	Unable to determine
08-11-04-05-0449	TUBE BENDING M/C	1	NO.	"	Unable to determine
08-11-04-05-0450	BORING MACHINE	1	NO.	"	Unable to determine

MINISTRY OF OIL

ESTABLISHMENT NAME : STATE COMPANY FOR OIL PROJECTS

LOCATION : ALL AREA

PROJECT 04-05 : SERVICE AND PLANT EQUIPMENT

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-04-05-0451	FLANGING MACHINE TO MANUFACTURE SHALLOW & DEEP DISH ENDS FOR REPLACEMENT OF DISHES ON TANKS & VESSELS	1	ITEM	Equipment for repairs to surface plant and tanks	Unable to determine
08-11-04-05-0452	FORMING MACHINE	1	ITEM	"	Unable to determine
08-11-04-05-0453	VERTICAL TURRET LATHE WITH CUTTING DIA 2500 MM	1	ITEM	"	Unable to determine
08-11-04-05-0454	VERTICAL MILLING M/C WITH WORKING SPINDLE DIA 130 MM	2	ITEM	"	Unable to determine
08-11-04-05-0455	X-RAY EQUIPMENT FOR MAX. THICKNESS 50 MM FOR NON DESTRUCTIVE TEST	5	ITEM	"	Possibly notifiable
08-11-04-05-0456	PUMP FOR PRESSURE TESTING	2	ITEM	"	Unable to determine
08-11-04-05-0457	AUTOMATIC WELDING MACHINE FOR SUBMERGED ARC WELDING WITH ACCESSORIES	20	ITEM	"	Unable to determine
08-11-04-05-0458	TRACTOR - TYPE AUTOMATIC WELDING MACHINE	5	ITEM	"	Unable to determine
08-11-04-05-0459	FLAME CUTTING MACHINE	1	ITEM	"	Unable to determine
08-11-04-05-0460	HAND GAS PLASMA CUTTING MACHINE	2	ITEM	"	Not notifiable
08-11-04-05-0461	WELDING RECTIFIER WITH ACCESSORIES	6	ITEM	"	Not notifiable
08-11-04-05-0462	DRYING OVEN	1	ITEM	"	Unable to determine
08-11-04-05-0463	ROLLING & BENDING MACHINE	2	ITEM	"	Unable to determine
08-11-04-05-0464	FINNED TUBES MACHINES	1	ITEM	"	Unable to determine

MINISTRY OF OIL

ESTABLISHMENT NAME : STATE COMPANY FOR OIL PROJECTS

LOCATION : ALL AREAS

PROJECT 04-06 : TESTING, INSPECTION, STUDIES, SURVEYS & LABORATORIES / ENGINEERING INSPECTION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-04-06-0480	X-RAY FILMS:□□□			NDT consumables	
	- AGFA D4 OR EQUIV.	50	ROLL		Not notifiable
	- AGFA D7 OR EQUIV.	50	ROLL		Not notifiable
08-11-04-06-0481	PROCESSING CHEMICALS:□□			NDT consumables	
	- DEVELOPER	10000	LIT.		Not notifiable
	- FIXER	10000	LIT.		Not notifiable
08-11-04-06-0482	ISOTOPE SOURCE IR 192(40 CURIES) FOR WELDING & NDT INSPECTION	4	NOS.	NDT equipment	Unable to determine
08-11-04-06-0483	POCKET RADIATION MONITOR	10	NOS.	NDT equipment	Not notifiable
08-11-04-06-0484	ULTRASONIC THICKNESS GAUGE	4	NOS.	NDT equipment	Not notifiable
08-11-04-06-0485	PORTABLE HARDNESS TESTER	2	NOS.	NDT equipment	Not notifiable
08-11-04-06-0486	DYE PENETRANT AEROSOL KIT	50	SET	NDT equipment	Not notifiable
08-11-04-06-0487	WELD SEAM VACUUM TESTING DEVICE (180,90)	10	NOS.	NDT equipment	Unable to determine
08-11-04-06-0488	PORTABLE COATING THICKNESS GAUGE	4	NOS.	NDT equipment	Not notifiable
08-11-04-06-0489	POCKET DOSIMETER	30	NOS.	Safety equipment	Not notifiable
08-11-04-06-0490	DOSE RATE MEASURING DEVICE	4	NOS.	Safety equipment	Not notifiable
08-11-04-06-0491	DIAL-DEPTH GAUGE	20	NOS.	NDT equipment	Not notifiable

08-11-04-06-0492	SURFACE PROFILE COMPARATOR	20	NOS.	NDT equipment	Unable to determine
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MINISTRY OF OIL

ESTABLISHMENT NAME : STATE COMPANY FOR OIL PROJECTS

LOCATION : ALL AREAS

PROJECT 04-06 : TESTING, INSPECTION, STUDIES, SURVEYS & LABORATORIES / ENGINEERING INSPECTION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-04-06-0493	TECHNICAL RADIOGRAPHIC ACCESSORIES:□□□			NDT equipment	
	- SET OF EXPOSURE MARKERS/NUMBERS - LETTERS	40	SET		Not notifiable
	- BLACK ADHESIVE TAPE	100	ROLL		Not notifiable
	- PENETRAMETER(EF 10/16,EF 6/12)	40	SET		Not notifiable
08-11-04-06-0494	MULTI-CHECK WELD GAUGE	20	NOS.	NDT equipment	Not notifiable
08-11-04-06-0495	DYNAMOMETER TENSION GAUGE	20	NOS.	NDT equipment	Not notifiable
08-11-04-06-0496	MAGNIFYING GLASS INSPECTION MIRROR	20	NOS.	NDT equipment	Not notifiable
08-11-04-06-0497	SURVEY EQUIPMENT	10	ITEM	Survey equipment	Unable to determine
08-11-04-06-0498	SCANNER (PIPER SIZE A4)	10	NOS.	Office equipment	Not notifiable
08-11-04-06-0499	SOFTWARE APPLICATION ABOUT PROJECT: EVALUATION, EQUIPMENT & FACILITY DESIGN, ESTIMATING SCHEDULING & PROJECT MANAGEMENT (ICARUS OR SIMILAR)	1	NO.	Project management software	Not notifiable

MINISTRY OF OIL

ESTABLISHMENT NAME : STATE COMPANY FOR OIL PROJECTS

LOCATION : BAGHDAD

PROJECT 04-06 : TESTING, INSPECTION, STUDIES, SURVEYS & LABORATORIES

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-04-06-0500	TRAINING OF TECHNICAL PERSONNEL ON TECHNOLOGIES, PROCESSES, SYSTEMS AND EQUIPMENT RELATED TO THE VARIOUS SECTORS OF THE INDUSTRY (UPSTREAM, DOWNSTREAM, DISTRIBUTION) COVERING VARIOUS ASPECTS SUCH AS STUDIES, EVALUATION, DESIGN, TESTING OPERATION, TROUBLESHOOTING AND PROBLEM SOLVING. THE TRAINING TO BE CARRIED (INSIDE AND OUTSIDE IRAQ) ACCORDING TO PRE-AGREED PROGRAMS OUTLINED IN CONTRACTS TO BE SIGNED WITH SPECIALIZED INSTITUTES AND TRAINING ESTABLISHMENTS (MOO)	6	CONTRACT	Training contracts	Unable to determine
08-11-04-06-0501	TECHNICAL ASSISTANCE CONTRACTS TO CARRY OUT EVALUATION & APPRAISAL STUDIES/ TECHNICAL ASSISTANCE / CONSULTANCY FOR THE PURPOSE OF IDENTIFYING SOLUTIONS / REMEDIES TO SOME MAJOR PROBLEMS FACING THE OIL INDUSTRY AND/OR SELECTING NEW PROCESSES AND TECHNOLOGIES TO IMPROVE PERFORMANCE, ENHANCE PRODUCTION AND TO IMPROVE QUALITY- IN ALL ASPECTS OF THE OIL INDUSTRY (MOO)	6	CONTRACT	Appraisal studies	Unable to determine
08-11-04-06-0502	VARIOUS MATERIAL, EQUIPMENT & ACCESSORIES FOR PRODUCTION OF TENDER DOCUMENT, DESIGN DRAWINGS, TECHNICAL CATALOGUES... & PERIPHERALS INCLUDING AN ARCHIVING SYSTEM(HARDWARE & SOFTWARE)COMPLETE WITH CONSUMABLES & ACCESSORIES (MOO)	20	ITEM	Ministry of Oil archiving system	Unable to determine
08-11-04-06-0503	TECHNICAL & SCIENTIFIC BOOKS & JOURNALS (MOO)	25000	NOS.	API/ASTM standards and technical reference literature	Not notifiable

MINISTRY OF OIL

ESTABLISHMENT NAME : STATE COMPANY FOR OIL PROJECTS

LOCATION : BAGHDAD

PROJECT 04-06 : TESTING, INSPECTION, STUDIES, SURVEYS & LABORATORIES

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-04-06-0504	TRAINING OF TECHNICAL PERSONNEL ON INSPECTION AND EVALUATION OF THE FOLLOWING EQUIPMENT & TECHNOLOGIES:  - ROTARY MACHINES (INSIDE IRAQ) - BOILERS, FURNACES, AND PRESSURE VESSELS (INSIDE IRAQ) - WELDING TECHNOLOGY OF ALLOYS THAT USED IN PETROLEUM INDUSTRY (INSIDE IRAQ) - FIRE-FIGHTING ENGINEERING FOR PETROLEUM INDUSTRY	6	CONTRACT	Training contracts for:	Unable to determine
				Rotating Machinery	
				Boilers	
				Welding	
				Fire fighting	
08-11-04-06-0505	PERSONNEL QUALIFICATION AND CERTIFICATION IN NON DESTRUCTIVE TESTING ACCORDING TO AMERICAN SOCIETY FOR NON DESTRUCTIVE TESTING FOR INSPECTION ENGINEERS AND TECHNICAL INSPECTORS, RECOMMENDED PRACTICE NO. SNT-TC-1A LEVEL I AND II  - RADIOGRAPHIC TESTING (RT) - ULTRASONIC TESTING (UT)	4	CONTRACT	Training contracts for:	Unable to determine
				Radiography	
				Ultrasonic testing	
08-11-04-06-0506	PERSONNEL QUALIFICATION AND CERTIFICATION OF ASME PRESSURE VESSELS FOR INSPECTION ENGINEERS AND TECHNICAL INSPECTORS	4	CONTRACT	Training contracts for Pressure Vessel inspection	Unable to determine

MINISTRY OF OIL

ESTABLISHMENT NAME : OIL EXPLORATION COMPANY

LOCATION : ALL AREAS

PROJECT 05-03 : SUSTAINING AND ENHANCING PRODUCTION CAPABILITIES

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-05-03-0515	SEISMIC ENERGY SOURCE PEAK FORCE UP TO 75000 LB (32-35 TON) WITH CONTROL ELECTRONICS AND SPARE PARTS	10	NOS.	Seismic wave source	Unable to determine
08-11-05-03-0516	2D/3D INTERACTIVE INTERPRETATION SEISMIC DATA FOR 12 USERS IN A NETWORK ENVIRONMENT SHARING COMMON. DEVICES SUCH AS ( PLOTTERS, DIGITIZERS, SCANNERS ...ETC.) SYSTEM TO BE INCLUDE HARDWARE, SOFTWARE, INSTALLATION, COMMISSIONING, SPARES, CONSUMABLES, TRAINING	1	SET	Seismic interpretation data system	Not notifiable
08-11-05-03-0517	2D/3D BATCH AND INTERACTIVE SEISMIC PROCESSING SYSTEM COMPLETE WITH HARDWARE, SOFTWARE, COMMISSIONING, SPARES AND TRAINING	1	SET	Seismic interpretation data system	Unable to determine
08-11-05-03-0518	DATA SHOW (COMPLETE SYSTEM) THE MGDYIV COPY BOARDS COLOR COPY-BOARD WITH PLAIN PAPER + ACCESSORIES	1	SET	Seismic display equipment	Unable to determine
08-11-05-03-0519	DATA BANK SYSTEM WITH ACCESSORIES AND SPARE PARTS	1	SET	Seismic display equipment	Unable to determine
08-11-05-03-0520	MICROFILM + MICROFICHE SCANNER (16,35 MM) ROLL APERTURE CARD MICROFICHE WITH SPARE PARTS	1	SET	Seismic data storage system	Not notifiable

MINISTRY OF OIL

ESTABLISHMENT NAME : OIL EXPLORATION COMPANY

LOCATION : ALL AREAS

PROJECT 05-03 : SUSTAINING & ENHANCING PRODUCTION  
CAPABILITIES / WELL DRILLING CONTRACT

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-05-03-0521	TURN KEY SERVICE CONTRACT FOR DRILLING FIVE WELLS INCLUDING ALL DRILLING AND WELL COMPLETION, OPERATIONS, PROVISION OF ALL RELEVANT MATERIALS, LOGISTIC AND SERVICES	5	CONTRACT	Service contract for 5 wells (2*SOC, 3*NOC) for exploration purposes	Unable to determine

MINISTRY OF OIL

ESTABLISHMENT NAME : OIL EXPLORATION COMPANY

LOCATION : ALL AREAS

PROJECT 05-05 : SERVICE AND PLANT EQUIPMENT

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-05-05-0530	CARGO TRUCK 4X2 WITH HYDRAULIC CRANE WITH SPARE PARTS	2	ITEM	Various equipment requirements	Not notifiable
08-11-05-05-0531	FUEL OIL & LUBRICANTS TRUCK WITH SPARE PARTS	6	ITEM	for Oil Exploration	Not notifiable
08-11-05-05-0532	CABLE CARRYING BUGGY WITH SPARE PARTS	10	ITEM	Company	Not notifiable
08-11-05-05-0533	KITCHEN (HOT FOOD CONTAINER)	6	ITEM	"	Not notifiable
08-11-05-05-0534	DRINKING WATER CONTAINER	12	ITEM	"	Not notifiable
08-11-05-05-0535	TENTS 100 LB, TENTS 200 LB	60	ITEM	"	Not notifiable
08-11-05-05-0536	TYRES SIZE (1600 X 20), (1400X20)	100	ITEM	"	Not notifiable
08-11-05-05-0537	TELEPHONE EXCHANGE WITH SPARE PARTS	1	ITEM	"	Unable to Determine
08-11-05-05-0538	SPARE PARTS & CONSUMABLES FOR SEISMIC RECORDING SYSTEM	1	ITEM	"	Not notifiable
08-11-05-05-0539	A3 COLOR PLAIN PAPER COPIER . (DIGITAL PRINTING) WITH OPTIONS, CONSUMABLES, SPARE PARTS	4	ITEM	"	Not notifiable
08-11-05-05-0540	A3 PLAIN PAPER (DIGITAL SYSTEM - LASER DRY WITH OPTIONS, CONSUMABLES, SPARE PARTS	3	ITEM	"	Not notifiable
08-11-05-05-0541	SCANNER ( AO/e ) WITH SPARE PARTS	2	ITEM	"	Not notifiable
08-11-05-05-0542	FULL COLOR HEAVY DUTY (AO/e) PLOTTER WITH SPARE PARTS	2	ITEM	"	Not notifiable
08-11-05-05-0543	FIRE SAFE CABINET WITH SPECIAL DRAWERS FOR (MICROFILM + MICROFICHE + CDS )	2	ITEM	"	Not notifiable
08-11-05-05-0544	FACE UP AND FACE DOWN SCANNER WITH SPARE PARTS	2	ITEM	"	Not notifiable
08-11-05-05-0545	FUEL TANKER TRUCK 8 M <sup>3</sup> CAPACITY WITH SPARE PARTS	2	ITEM	"	Not notifiable
08-11-05-05-0546	WATER TANKER TRUCK 8 M <sup>3</sup> CAPACITY WITH SPARE PARTS	9	ITEM	"	Not notifiable
08-11-05-05-0547	CRANE 25 TONS WITH SPARE PARTS	2	ITEM	"	Not notifiable

MINISTRY OF OIL

ESTABLISHMENT NAME : OIL EXPLORATION COMPANY

LOCATION : ALL AREAS

PROJECT 05-06 : TESTING, INSPECTION, STUDIES, SURVEYS &  
LABORATORIES

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-05-06-0555	AUTOMATIC PERMEAMETER POROSIMETER, WINDOWS OPERATED SOFTWARE UNDER RESERVOIR CONDITIONS WITH SPARE PARTS	1	NO.	Geological testing equipment	Unable to determine
08-11-05-06-0556	POLLUTE-EVAL ANALYZER WITH SPARE PARTS TO PRODUCE A RAPID DIAGNOSIS OF HYDROCARBON CONTAMINATED SITES	1	NO.	Geological testing equipment	Unable to determine
08-11-05-06-0557	LAB SCALE DISTILLATION TO PERFORM CRUDE OIL DISTILLATION ADAPTED TO LABORATORY WORK MONITORING OF TEMPS	1	NO.	Geological testing equipment	Unable to determine

<b>08-11-05-06-0558</b>	<b>CHEMICAL WASTE TREATMENT. (LIQUID CHEMICAL WASTE NEUTRALIZATION LABORATORY MINERAL SEWAGE TREATMENT)</b>	<b>1</b>	<b>NO.</b>	Waste treatment plant	<b>Unable to determine</b>
<b>08-11-05-06-0559</b>	<b>PETROSCOPE FOR THIN SECTION . SLIDE PROJECT.</b>	<b>2</b>	<b>NOS.</b>	Geological sample preparation	<b>Not notifiable</b>
<b>08-11-05-06-0560</b>	<b>VISCOMETER BATH.(WITH SPARE PARTS) . FOR KINEMATIC VISCOSITY DETERMINATION TO THE REQUIREMENTS OF B.S.188 &amp; IP 74/75 ASTM D446</b>	<b>1</b>	<b>NO.</b>	ASTM/IP designated testing equipment for crude oil analyses	<b>Not notifiable</b>
<b>08-11-05-06-0561</b>	<b>WATER BATH . WITH ACCESSORIES &amp; SPARE PARTS</b>	<b>1</b>	<b>NO.</b>	Water bath for viscosity tests	<b>Not notifiable</b>
<b>08-11-05-06-0562</b>	<b>CHEMICAL CALCULATOR TO CALCULATE PERCENTAGE COMPOSITION YIELDS, BALANCE EQUATIONS</b>	<b>2</b>	<b>NOS.</b>	Yield calculation equipment	<b>Not notifiable</b>

MINISTRY OF OIL

ESTABLISHMENT NAME : OIL EXPLORATION COMPANY

LOCATION : ALL AREAS

PROJECT 05-06 : TESTING, INSPECTION, STUDIES, SURVEYS & LABORATORIES

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-05-06-0563	HEAT TREATMENT SERIES METAL HEATING UNITS WITH RELAY TO BE USED FOR HEATING EXTRACTION LIQUIDS	6	NOS.	Analysis heating apparatus	Unable to determine
08-11-05-06-0564	HOT-PLATE HEATER RECTANGULAR, STAINLESS STEEL	10	NOS.	Analysis heating apparatus	Not notifiable
08-11-05-06-0565	REFLECTANCE & FLOURESENCE MICROSCOPE. (MICROSCOPE & PHOTOMETER FOR VITRINITE REFLECTANCE & FLOURESENCE MEASURING THE MATURITY EVALUATION OF KEROSENE)	1	NO.	Geological flourescence microscope	Not notifiable
08-11-05-06-0566	POLARIZING PETROGRAPHY MICROSCOPE ATTACHED TO A (P.C) WITH SOFTWARE & DIGITAL CAMERA	2	NOS.	Geological polarising microscope	Not notifiable
08-11-05-06-0567	BINOCULAR REFLECTED MICROSCOPE .ATTACHED TO A P.C WITH SOFTWARE & CAMERA	2	NOS.	Geological microscope	Not notifiable
08-11-05-06-0568	ROCK EVAL - 6 ANALYZER WITH SPARE PARTS AND ACCESSORIES	1	NO.	Geological sample analyser	Unable to determine
08-11-05-06-0569	GAS CHROMATOGRAPH MASS-SPECTROSCOPE WITH ACCESSORIES AND SPARE PARTS	1	NO.	Geological sample chromatogram	Unable to determine
08-11-05-06-0570	DESATURATION CAPILLARY PRESSURE INSTRUMENT BY RESTORED STATE WITH ACCESSORIES AND SPARE PARTS	1	NO.	Analytical instrumentation	Unable to determine
08-11-05-06-0571	GAS OIL (KG/KO) RELATIVE PERMEABILITY DETERMINATION INSTRUMENT WITH ACCESSORIES AND SPARE PARTS	1	NO.	Permeability measurement equipment	Unable to determine
08-11-05-06-0572	CORE HOLDER FOR PERFORMING FLOW TEST AND RELATIVE PERMEABILITY DESATURATION (FLOODING) WITH ACCESSORIES AND SPARE PARTS	1	NO.	Flow test and flooding test apparatus	Unable to determine

MINISTRY OF OIL

ESTABLISHMENT NAME : NORTH REFINERIES COMPANY

LOCATION : BAIJI

PROJECT 06-01 : MAINTENANCE AND OPERATION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
INSTRUMENTATION AND CONTROL SYSTEMS WITH SPARE PARTS				Maintenance of refinery control systems and associated instrumentation	
08-11-06-01-0600	U.P.S SYSTEMS	25	SET	"	not notifiable
08-11-06-01-0601	ANALYZERS, TRANSMITTERS & CONTROLLERS	200	SET	"	Unable to determine
08-11-06-01-0602	CONTROL ROOM INSTRUMENTS	800	SET	"	Unable to determine
08-11-06-01-0603	CONTROL VALVES WITH ACCESSORIES	400	SET	"	Unable to determine
08-11-06-01-0604	CONTROL PANELS WITH ACCESSORIES	100	SET	"	Unable to determine
08-11-06-01-0605	PLC, DCS AND SCADA SYSTEMS	100	SET	"	Unable to determine
08-11-06-01-0606	PRESSURE & LEVEL GAUGES	500	SET	"	Unable to determine
08-11-06-01-0607	UPDATING THE PROCESS CONTROL SYSTEM	25	SET	"	Unable to determine
08-11-06-01-0608	ANALYTICAL INSTRUMENTS: (PH METER, P.D METER CONDUCTIVITY METER, MOISTURE ANALYZER)	100	SET	Replacement of process control instrumentation	Unable to determine
08-11-06-01-0609	FIRE ALARM SYSTEM	10	SET	"	not notifiable
08-11-06-01-0610	GOVERNORS AND SPEED INDICATORS	100	SET	"	not notifiable

08-11-06-01-0611	TEMPERATURE MEASUREMENT	200	SET	"	Unable to determine
08-11-06-01-0612	FAN CONTROL & SOLENOID VALVE	1000	SET	"	Unable to determine
08-11-06-01-0613	SPARE PARTS FOR EXISTING INSTRUMENTS	1000	SET	"	Unable to determine
08-11-06-01-0614	CONTROL & INSTRUMENT MATERIALS	100 1000	SET SET	"	Unable to determine
08-11-06-01-0615	INTERCOM UNITS WITH CENTRAL CONTROL	50	SET	Communication requirements	not notifiable

MINISTRY OF OIL

ESTABLISHMENT NAME : NORTH REFINERIES COMPANY

LOCATION : BAIJI

PROJECT 06-01 : MAINTENANCE AND OPERATION

CODE	ITEM DESCRIPTION	QTY	UNIT	Comment	1051 Determination
MECHANICAL EQUIPMENT				Equipment for mechanical and rotating machinery maintenance	
08-11-06-01-0616	MAINTENANCE TOOLS	700	SET	"	not notifiable
08-11-06-01-0617	PIPES & TUBES VARIOUS SIZES	50000	MTR.	"	unable to determine
08-11-06-01-0618	FITTINGS	20000	SET	"	unable to determine
08-11-06-01-0619	VALVES, STRAINERS, FLANGES, WITH DIFFERENT SIZE & TYPES	20000	NOS.	"	unable to determine
08-11-06-01-0620	GASKETS	15000	SET	"	not notifiable
08-11-06-01-0621	BEARING, COUPLING, SPACERS	2000	SET	"	not notifiable
08-11-06-01-0622	MECHANICAL SEALS WITH SPARES	1000	SET	"	not notifiable
08-11-06-01-0623	WELDING ELECTRODES	100	TON	"	not notifiable
08-11-06-01-0624	TEST RING	100	SET	"	unable to determine
08-11-06-01-0625	STUD BOLTS, BOLTS & NUTS.	2000	SET	"	unable to determine
08-11-06-01-0626	TUBES EXPANDERS	100	SET	"	unable to determine
08-11-06-01-0627	BALANCING MACHINE WITH ACCESSORIES	100	SET	"	unable to determine
08-11-06-01-0628	REPAIR FOR COMPRESSORS, PUMPS, TURBINES	500 4	SET CONTRACT	"	unable to determine
08-11-06-01-0629	SPARE PARTS FOR EXISTING MECHANICAL EQUIPMENT	500	SET	"	unable to determine
08-11-06-01-0630	COMPLETE UPPER AND LOWER DEMISTER	10	SET	"	unable to determine
08-11-06-01-0631	ROTARY EQUIPMENT (PUMP, COMPRESSORS, TURBINES) WITH SPARES	100	SET	Steam turbines for driving small pumps	unable to determine
08-11-06-01-0632	PIPE FITTING & TUBES	200	SET	Replacement pipe	unable to determine
08-11-06-01-0633	PIPE OF DIFFERENT MATERIALS	25000	MTR.	Replacement pipe	unable to determine
08-11-06-01-0634	STEEL STRUCTURE	1000	TON	Structural steel requirements	unable to determine
08-11-06-01-0635	MECHANICAL EQUIP. COMPLETE & SPARE PARTS KITS - COMPRESSORS "REPAIR KITS SETS"	100	SET	Repair kitsd for compressors	unable to determine

MINISTRY OF OIL

ESTABLISHMENT NAME : NORTH REFINERIES COMPANY

LOCATION : BALJI

PROJECT 06-01 : MAINTENANCE AND OPERATION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
ELECTRICAL EQUIPMENT WITH SPARE PARTS				Electrical equipment and spares	
08-11-06-01-0636	FIELD CONTROL EQUIPMENT	3000	SET	"	unable to determine
08-11-06-01-0637	COMPLETE MOTORS WITH SPARE PARTS	250	SET	"	unable to determine
08-11-06-01-0638	COMPLETE ELECTRICAL HEATER WITH SPARE PARTS	100	SET	"	unable to determine
08-11-06-01-0639	RELAYS & FUSES	1000	SET	"	not notifiable
08-11-06-01-0640	SLEEVE BEARING	200	SET	"	not notifiable
08-11-06-01-0641	COMPLETE CIRCUIT BREAKERS WITH SPARE PARTS	200	SET	"	not notifiable
08-11-06-01-0642	SPARE PARTS FOR EXISTING ELECTRICAL EQUIPMENT	600	SET	"	unable to determine
08-11-06-01-0643	ELECTRICAL EQUIP. WITH SPARES	300	SET	"	unable to determine
08-11-06-01-0644	HEATER & ANCILLARIES	10	SET	"	not notifiable
08-11-06-01-0645	CABLES	100000	MTR.	"	not notifiable
08-11-06-01-0646	CABLE WITH ACCESSORIES	1000	KIT NOS.	"	unable to determine
08-11-06-01-0647	GENERATOR 4 MVA WITH ACCESSORIES	5	SET	"	unable to determine
08-11-06-01-0648	CABLE FAULT TEST VEHICLES	2	SET	"	unable to determine
08-11-06-01-0649	CIRCUIT BREAKERS & CONTACTORS	500	NOS.	"	not notifiable
08-11-06-01-0650	ACTUATORS & MOTOR PROTECTION DEVICES	1000	NOS.	"	unable to determine
08-11-06-01-0651	MEASURING INSTRUMENTS	500	NOS.	"	unable to determine
08-11-06-01-0652	SWITCHES	1000	NOS.	"	unable to determine
08-11-06-01-0653	CONNECTORS & TERMINALS	2000	NOS.	"	not notifiable
08-11-06-01-0654	MOTOR STARTERS	500	NOS.	"	not notifiable
08-11-06-01-0655	CURRENT TRANSFORMERS	1000	NOS.	"	not notifiable
08-11-06-01-0656	TRANSFORMERS	100	SET	"	not notifiable

MINISTRY OF OIL

ESTABLISHMENT NAME : NORTH REFINERIES COMPANY

LOCATION : BAIJI

PROJECT 06-01 : MAINTENANCE AND OPERATION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
CHEMICAL, CATALYST & ADDITIVES				Requirements for processing	
08-11-06-01-0657	FURFURAL	1000	TON	"	not notifiable
08-11-06-01-0658	CATALYSTS	1000	TON	"	unable to determine
08-11-06-01-0659	CHEMICALS FOR PROCESS UNITS	1500	TON	"	unable to determine
08-11-06-01-0660	CHEMICALS FOR COOLING WATER CIRCULATION	1500	TON	"	unable to determine
08-11-06-01-0661	CHEMICALS FOR BOILER FEED WATER	3000	TON	"	unable to determine
08-11-06-01-0662	CAUSTIC SODA.	2000	TON	"	not notifiable
08-11-06-01-0663	TURBINE OIL	10	TON	"	not notifiable
08-11-06-01-0664	POUR POINT DEPRESSANT	100	TON	"	not notifiable
08-11-06-01-0665	CERAMIC BALLS	150	M <sup>3</sup>	"	not notifiable
08-11-06-01-0666	M.E.K.	150	TON	"	not notifiable
08-11-06-01-0667	TETRA ETHYL LEAD (T.E.L)	2000	TON	Octane booster for petrol	not notifiable
08-11-06-01-0668	ADDITIVES FOR MOTOR ENGINE OILS	1250	TON	Improvers	unable to determine
08-11-06-01-0669	ADDITIVES FOR DIESEL ENGINE OILS	3500	TON	Improvers	unable to determine
08-11-06-01-0670	ADDITIVES FOR VISCOSITY INDEX IMPROVEMENT	1000	TON	Viscosity improvers	unable to determine

MINISTRY OF OIL

SHEET NO.: 5 OF 15

ESTABLISHMENT NAME : NORTH REFINERIES COMPANY

LOCATION : BAIJI

PROJECT 06-01 : MAINTENANCE & OPERATIONS

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
EQUIPMENT & MATERIALS FOR MAINTENANCE & REPAIR OF TRANSFORMERS CONSISTING OF				Requirements for transformer maintenance	
08-11-06-01-0671	GRAIN ORIENTED SILICON STEEL	500	TON	"	not notifiable
08-11-06-01-0672	COPPER WIRES	200	TON	"	not notifiable
08-11-06-01-0673	COPPER STRIPS	200	TON	"	not notifiable
08-11-06-01-0674	OFF - LOAD TAP CHANGERS	100	NOS.	"	not notifiable
08-11-06-01-0675	ON - LOAD TAP CHANGERS	100	NOS.	"	not notifiable
08-11-06-01-0676	HV & LV BUSHINGS	350	NOS.	"	not notifiable
08-11-06-01-0677	PROTECTION DEVICES	300	NOS.	"	unable to determine
08-11-06-01-0678	COLD ROLLED CARBON STEEL	250	TON	"	unable to determine
08-11-06-01-0679	HOT ROLLED CARBON STEEL	150	TON	"	unable to determine
08-11-06-01-0680	INSULATING MATERIAL	200	TON	"	unable to determine
08-11-06-01-0681	SILICA GEL	150	KG.	"	not notifiable
08-11-06-01-0682	TRANSFORMER ACTIVE PARTS	30	NOS.	"	unable to determine
08-11-06-01-0683	FLEXIBLE WIRES	3000	MTR.	"	not notifiable
08-11-06-01-0684	CONNECTION TERMINALS & ACC	1000	NOS.	"	unable to determine
08-11-06-01-0685	SPARE PARTS FOR EXISTING MACHINES	200	NOS.	"	unable to determine
MATERIALS FOR FINTUBES					
08-11-06-01-0686	BARE TUBE	25000	NOS.	Heat exchanger tubing	unable to determine
08-11-06-01-0687	ALUMINUM COIL	20	TON	Heat exchanger coils	unable to determine



MINISTRY OF OIL

ESTABLISHMENT NAME : NORTH REFINERIES COMPANY

LOCATION : BAIJI

PROJECT 06-02 : REHABILITATION / REVAMPING OF EXISTING  
INSTALLATIONS

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
COMPLETE ROTATING MECHANICAL EQUIPMENT WITH SPARE PARTS				Rotating machinery requirements especially for Lube Oil plant and sulphur removal (HDS) plant	
08-11-06-02-0700	PUMPS, VARIOUS SIZES	250	SET	"	unable to determine
08-11-06-02-0701	TURBINES, VARIOUS SIZES	200	SET	"	unable to determine
08-11-06-02-0702	GEAR BOXES, FANS & BLADES	100	SET	"	not notifiable
08-11-06-02-0703	HERMETIC COMPRESSORS	100	SET	"	unable to determine
08-11-06-02-0704	REFRIGERATOR COMPRESSORS	500	SET	"	unable to determine
08-11-06-02-0705	VARIOUS AIR COMPRESSORS	250	SET	"	unable to determine
08-11-06-02-0706	HEAT EXCHANGER BUNDLES & AIR COOLER FIN FAN BUND	100	SET	"	unable to determine
08-11-06-02-0707	SUPER HEATERS FOR BOILERS	10	SET	"	unable to determine
08-11-06-02-0708	CHILLERS & EXCHANGERS	100	SET	"	unable to determine
08-11-06-02-0709	BURNERS	100	SET	"	unable to determine
08-11-06-02-0710	BLOWERS & SOOT BLOWERS	100	SET	"	unable to determine
08-11-06-02-0711	FURNACES AND ACCESSORIES	10	SET	"	unable to determine
08-11-06-02-0712	AIR CONDITIONING EQUIPMENT FOR CONTROL ROOMS	100	SET	"	unable to determine
08-11-06-02-0713	VESSLS, INTERNALS, COLUMNS, DRUMS & FLARE TIP VESS	600	SET	"	unable to determine
08-11-06-02-0714	TUBES AND CONVECTION COIL FOR TUBES	50	SET	"	unable to determine

MINISTRY OF OIL

ESTABLISHMENT NAME : NORTH REFINERIES COMPANY

LOCATION : BAIJI

PROJECT 06-02 : REHABILITATION / REVAMPING OF EXISTING  
INSTALLATIONS

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-06-02-0715	REHABILITATION (6) BOILERS	1000	SET	Steam generation	unable to determine
08-11-06-02-0716	REHABILITATION AIR DRYERS FOR INSTRUMENTATION	5	CONTRACT	Pneumatic control dryers	unable to determine

MINISTRY OF OIL

ESTABLISHMENT NAME : NORTH REFINERIES COMPANY

LOCATION : QAYARAH

PROJECT 06-03 : SUSTAINING AND ENHANCING PRODUCTION  
CAPABILITIES / QAYARAH REFINERY  
ENHANCEMENT

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
QAYARAH REFINERY REQUIREMENTS, WHICH COMPRISES THE FOLLOWING				Repair to destroyed refinery in S Mosul (40,000 bpd design max) for products to supply new power stations	
08-11-06-03-0725	PIPES (10 ") WITH ACCESSORIES	60	KM.	"	unable to determine
08-11-06-03-0726	PIPES (12") WASTE WITH ACCESSORIES	40	KM.	"	unable to determine
08-11-06-03-0727	PUMPS WITH ACCESSORIES	10	SET	"	unable to determine
08-11-06-03-0728	RAW WATER TANKS WITH ACCESSORIES	1	SET	"	unable to determine
08-11-06-03-0729	FIRE FIGHTING & SAFETY EQUIPMENT WITH MATERIALS, ACCESSORIES			"	unable to determine
08-11-06-03-0730	R.O. SYSTEM CAPACITY 250 M <sup>3</sup> / HR	10	ITEM	"	unable to determine
08-11-06-03-0731	SUB-STATION QAYARAH REF.	1000	SET	"	unable to determine

<b>08-11-06-03-0732</b>	WASTE WATER TREATMENT UNIT 100 M <sup>3</sup> / HR	3	CONTRACT	"	unable to determine
<b>08-11-06-03-0733</b>	MATERIALS FOR PRODUCTS TANKS WITH ACCESSORIES	1000	TON	"	unable to determine
<b>08-11-06-03-0734</b>	CRUDE OIL AND PETROLEUM PRODUCTS TANKS WITH ACCESSORIES	7	SET	"	unable to determine
<b>08-11-06-03-0735</b>	RAW WATER TREATMENT PLANT COMPLETE WITH PIPES, PUMPS, CLARIFIERS, FILTERS ...ETC. CAPACITY 300 M <sup>3</sup> /HR.	20	ITEM	"	unable to determine

08-11-06-03-0736	- SLOP TANK 2000 M3 (FLOATING ROOF) WITH ACCESSORIES	1	SET	NON OIP new sector code	
	- SPHERICAL TANK (LPG) 20 TON WITH ACCESSORIES	2	SET		
	- VALVES, FITTINGS AND ACCESSORIES BETWEEN UNITS AND TANKS	500	SET		

MINISTRY OF OIL

ESTABLISHMENT NAME : NORTH REFINERIES COMPANY

LOCATION : BAIJI

PROJECT 06-06 : TESTING, INSPECTION STUDIES, SERVICE & LABORATORIES

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-06-06-0741	MEASURING EQUIPMENT AND ANALYZERS FOR QUALITY CONTROL OF PRODUCTS TESTING EQUIP. FOR VERIFICATION OF PRODUCTS' SPECIFICATIONS	200	SET	Product quality control	unable to determine
08-11-06-06-0742	ANALYTICAL INSTRUMENTS	100	SET	"	unable to determine
08-11-06-06-0743	LABORATORY CHEMICALS	800 300	LIT. KG.	"	unable to determine
08-11-06-06-0744	LABORATORY GLASS WARES	300	SET	"	not notifiable
08-11-06-06-0745	COMPLETE INSPECTION MEASURING EQUIPMENT VARIOUS WITH ACCESSORIES (NDT)	150	SET	"	unable to determine
08-11-06-06-0746	WRAP AROUND CLAMPS	300	SET	"	not notifiable
08-11-06-06-0747	HIGH FREQUENCY SPARK TESTING DEVICES WITH ACCESSORIES (HOLIDAY DETECTOR)	150	SET	Instrument for detecting holes in cabling	unable to determine
08-11-06-06-0748	LEAK DETECTORS FOR UNDER GROUND PIPES	100	SET	Environmental requirement	unable to determine
08-11-06-06-0749	HEAVY DUTY VACUUM TRUCK	2	NOS.	Sludge gulper units	unable to determine

MINISTRY OF OIL

SHEET NO.: 10 OF 15

ESTABLISHMENT NAME : NORTH REFINERIES COMPANY

LOCATION : BAIJI

PROJECT 06-06 : TESTING, INSPECTION, STUDIES, SURVEYS & LABORATORIES

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-06-06-0750	CONTRACTS FOR THIRD PARTY INSPECTION OF CONTRACTED GOODS TO ENSURE THE COMPLIANCE TO SPECIFICATIONS AT THE SUPPLIERS WORKSHOP ABROAD	5	CONTRAC	Pre Shipment Inspection om goods before despatch from suppliers premises	not notifiable
08-11-06-06-0751	TECHNICAL SERVICES CONTRACTS-SURVEY, STUDIES & ASSISTANCE FOR EQUIPMENT SURVEY, EFFICIENCY STUDIES & TECHNICAL ASSISTANCE FOR IMPROVEMENT OF MAINTENANCE, OPERATION & INSPECTION	4	CONTRAC	Investigation into refinery efficiency	unable to determine
08-11-06-06-0752	STUDIES & TECHNICAL SERVICES CONTRACTS FOR INCREASING CAPACITIES OF ATMOSPHERIC & NAPHTHA HDS UNITS CAPACITIES WITH SUPPLY OF REQUIRED MATERIALS	4	CONTRAC	Studies into new and improved plant availability	unable to determine

MINISTRY OF OIL

ESTABLISHMENT NAME : NORTH REFINERIES COMPANY

LOCATION : BAIJI

PROJECT 06-07 : DEVELOPMENT PROJECTS  
 DELAYED COKING UNIT

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-06-07-0760	BASIC DESIGN & LICENSE AND SUPPLY OF EQUIPMENT AND MATERIALS FOR DELAYED COKING, HYDRO-DESULPHURIZATION & CALCINING UNITS FOR THE EXTRACT AND/OR DECANTED OIL AS FEED TO THE DELAYED COKER UNIT INCLUDING TECHNICAL ASSISTANCE ENGINEERING CONSULTANCY	4	CONTRACT	Repeat of phase 10 Coking Plant application	unable to determine

LOCATION : BAIJI

PROJECT 06-08 : DEVELOPMENT PROJECT (FCC UNIT)

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-06-08-0763	BASIC DESIGN ,LICENSE ,MATERIALS & EQUIPMENT REQUIRED FOR THE CONTINUATION OF THE PROJECT TO INSTALL A FLUIDIZED CATALYTIC CRACKING "FCC" UNIT WITH THE OTHER REQUIRED DOWN STREAM UNITS CONSISTING OF THE FOLLOWING ITEMS : HEAT EXCHANGERS, AIR COOLERS, REGENERATORS, INSTRUMENTS, COLUMNS, ELECTRICAL EQUIPMENT, ROTATING EQUIPMENT, WELDING EQUIPMENT AND TOOLS, WELDING RODS, PIPES, FITTINGS, MATERIALS FOR TANKS UTILITY UNITS INCLUDING TECHNICAL ASSISTANCE /ENGINEERING CONSULTANCY	10	CONTRACT	Continuation of previous contract to complete FCC unit (improved quality of products, especially gasoline) which already commenced and awaiting further equipment for completion.	unable to determine

MINISTRY OF OIL

ESTABLISHMENT NAME : NORTH REFINERIES COMPANY

LOCATION : BAIJI

PROJECT 06-09 : DEVELOPMENT PROJECT (ZEO REFORMER)

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-06-09-0766	STUDY, LICENSE BASIC DESIGN AND SUPPLY OF MATERIAL REQUIRED FOR THE ZEO REFORMER UNIT FOR THE TRANSFORMATION OF WHOLE NAPHTHA TO HIGH OCTANE GASOLINE INCLUDING TECHNICAL ASSISTANCE ENGINEERING, CONSULTANCY	4	CONTRACT	Reapplication for ZEO reformer unit (to produce higher quality gasoline)	unable to determine

LOCATION : BAIJI

PROJECT 06-10 : DEVELOPMENT PROJECT (COMPLETE BOILER)

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-06-10-0770	COMPLETE STEAM BOILER WITH ACCESSORIES INCLUDING TECHNICAL ASSISTANCE ENGINEERING CONSULTANCY	1	SET	Steam generation requirement	unable to determine
08-11-06-10-0771	COOLING TOWER PACKING	100	SET	Cooling tower lining	unable to determine

MINISTRY OF OIL

ESTABLISHMENT NAME : NORTH REFINERIES COMPANY

LOCATION : BAIJI

PROJECT 06-11 : DEVELOPMENT PROJECT (ISOMERIZATION UNIT)

<b>CODE</b>	<b>ITEM DESCRIPTION</b>	<b>QTY</b>	<b>UNIT</b>	<b>COMMENT</b>	<b>1051 Determination</b>
<b>08-11-06-11-0774</b>	ERECTION EQUIPMENT, TOOLS & CONSUMABLE MATERIALS, ...ETC. FOR ISOMERIZATION UNIT AND OTHERS.	100	ITEM	Engineering and erection equipment for isomerisation unit	unable to determine
<b>08-11-06-11-0775</b>	SERVICE CONTRACTS FOR SUPERVISION OF INSTALLATION & COMMISSIONING OF THE ISOMERIZATION UNIT	6	CONTRAC	Contract for installation of isomerisation unit	unable to determine

LOCATION : BAIJI  
 PROJECT 06-12 : DEVELOPMENT PROJECT  
 (CARBON BLACK PLANT COMPLETION)

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-06-12-0778	VARIOUS ( MECHANICAL, ELECTRICAL & INSTRUMENT ) EQUIPMENT, MATERIALS REQUIRED FOR ENHANCING THE EXISTING CARBON BLACK UNITS	100	ITEM	Equipment requirements for improvement of carbon black unit	unable to determine

MINISTRY OF OIL

ESTABLISHMENT NAME : NORTH REFINERIES COMPANY

LOCATION : BAIJI

PROJECT 06-13 : DEVELOPMENT PROJECT

(SULPHUR RECOVERY UNITS COMPLETION STAGE)

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-06-13-0781	VARIOUS ( MECHANICAL, ELECTRICAL & INSTRUMENT EQUIPMENT, MATERIALS) REQUIRED FOR ENHANCING THE EXISTING SULPHUR RECOVERY UNITS	6	CONTRACT	Equipment requirements for improvement of sulphur recovery plant	unable to determine

LOCATION : BAIJI

PROJECT 06-14 : DEVELOPMENT PROJECT

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-06-14-0784	HEXANE, XYLENE, TOLUENE UNITS COMPLETION STAGE INCLUDING SUPPLY OF REQUIRED MATERIALS, EQUIPMENT, INSTRUMENT, ELECTRICAL ...ETC.	50	ITEM	Equipment requirements to complete solvent units	unable to determine

LOCATION : BAIJI

PROJECT 06-15 : DEVELOPMENT PROJECT (PSA SYSTEM)

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-06-15-0787	INSTALLATION OF THE PRESSURE SWING ADSORPTION (PSA) FOR EXISTING HYDROGEN PRODUCTION UNIT SYSTEM	5	CONTRACT	Equipment requirements to improve hydrogen unit	unable to determine

MINISTRY OF OIL

SHEET NO.: 15 OF 15

ESTABLISHMENT NAME : NORTH REFINERIES COMPANY

LOCATION : BAIJI

PROJECT 06-16 : DEVELOPMENT PROJECT (POWER STATION UNITS)

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-06-16-0790	POWER STATIONS WITH ACCESSORIES	1	CONTRACT	Power supply to allow refinery operation independent from national grid	unable to determine

LOCATION : BAIJI

PROJECT 06-17 : DEVELOPMENT PROJECT

( COMPLETE LIQUID WASTE INCINERATOR )

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-06-17-0793	COMPLETE LIQUID WASTE INCINERATOR AND ACCESSORIES WITH SUPERVISION AND INSTALLATION TO REDUCE THE ENVIRONMENTAL POLLUTION WITH RECOMMENDED SPARE PARTS	3 100	SET ITEM	Incinerator to enhance environmental control of waste disposal in refinery	unable to determine

MINISTRY OF OIL

ESTABLISHMENT NAME : MIDLAND REFINERIES COMPANY

LOCATION : DAURA REFINERY

PROJECT 07-01 : MAINTENANCE & OPERATIONS

CODE	DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-07-01-0810	SPARE PARTS FOR EXISTING PUMPS, COMPRESSORS, FANS, GEARS STEAM, TURBINES, ROTARY FILTER, BALL BEARING, MECHANICAL SEALS, COUPLINGS, BAROMETRIC CONDENSER & STEAM EJECTOR	10000 200	NOS SET	Maintenance requirements	unable to determine
08-11-07-01-0811	SPARE PARTS FOR EXISTING INSTRUMENTS, SOLENOID VALVES, INDICATING LAMPS	60000	NOS.	Maintenance requirements	unable to determine
08-11-07-01-0812	SPARE PARTS FOR EXISTING ELECTRICAL EQUIPMENT	5000	NOS.	Maintenance requirements	unable to determine
08-11-07-01-0813	COMPLETE INSTRUMENTS, CONTROL VALVES, CONTROLLERS, RECORDERS, TRANSMITTERS E TEMP. & PRESSURE GAUGES & SWITCHES, CALIBRATING DEVICES INLINE STRAINERS, METERS, ANALYZERS	40 2000	ITEM NOS.	Maintenance requirements	unable to determine
08-11-07-01-0814	GENERAL MAINTENANCE TOOLS & EQUIPMENT, DRILLS, GRINDING DISKS DIES, MACHINES TOOLS & FACING M/C BUNDLE CUTTING M/C, HORIZONTAL BAND SAW M/C	300 10000	SET NOS.	Maintenance requirements	unable to determine
08-11-07-01-0815	PIPES & FITTINGS, VALVES CHECK VALVES, STEAM TRAPS	30000	MTR.	Maintenance requirements	unable to determine
		32000	NOS.	Maintenance requirements	unable to determine
08-11-07-01-0816	SPARE PARTS FOR (EDR) WATER TREATMENT UNIT	5000	NOS.	Maintenance requirements	unable to determine
		100	SET	Maintenance requirements	unable to determine
		100	MTR.	Maintenance requirements	unable to determine

MINISTRY OF OIL

ESTABLISHMENT NAME : MIDLAND REFINERIES COMPANY

LOCATION : DAURA REFINERY

PROJECT 07-01 : MAINTENANCE & OPERATIONS

CODE	DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-07-01-0817	ELECTRICAL EQUIPMENT, MOTOR CONTROL CENTERS, LOW & MEDIUM VOLTAGE SWITCHGEARS, SWITCH BOARDS, LOW & MEDIUM VOLTAGE CABLES, TRANSFORMERS, AUTO TRANSFORMER STARTER, (33 KV CABLE)	75000 100 200	MTR. ITEM NOS.	Maintenance requirements	unable to determine
08-11-07-01-0818	GASKETS FOR PIPES, GASKET SHEETS	25000	NOS.	Maintenance requirements	not notifiable
		500	MTR.	Maintenance requirements	unable to determine
08-11-07-01-0819	WELDING MACHINES WITH ELECTRODES REELS AND SPARE PARTS	10 3000	ITEM KG.	Maintenance requirements	unable to determine
08-11-07-01-0820	WELDING ELECTRODES	120	TON	Maintenance requirements	not notifiable
08-11-07-01-0821	AUTOMATIC TANK LEVEL - GAUGING SYSTEM FOR (100) TANKS WITH SPARE PARTS AND ACCESSORIES	200	ITEM	Control system for product storage tanks	unable to determine
08-11-07-01-0822	SPARE PARTS FOR EXISTING HEAVY EQUIPMENT	2000	NOS.	Maintenance requirements	unable to determine
08-11-07-01-0823	AIR COMPRESSORS DIESEL DRIVEN FOR MAINTENANCE ACTIVITIES WITH SPARE PARTS	10	NOS.	Maintenance requirements	unable to determine
08-11-07-01-0824	INSULATING CEMENT FOR FURNACES & BOILERS	200	TON	Maintenance requirements	not notifiable
08-11-07-01-0825	HEAT EXCHANGERS TUBES, STRAIGHT & FINNED	70000	MTR.	Maintenance requirements	unable to determine
08-11-07-01-0826	TUBES FOR BOILERS & FURNACES	12000	MTR.	Maintenance requirements	unable to determine
08-11-07-01-0827	ACID & ALKALINE BATTERIES	2000	NOS.	Maintenance requirements	not notifiable

MINISTRY OF OIL

ESTABLISHMENT NAME : MIDLAND REFINERIES COMPANY

LOCATION : DAURA REFINERY

PROJECT 07-01 : MAINTENANCE & OPERATIONS

CODE	DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-07-01-0828	HOPT PRESSURE, HOPT TEMP, RUBBER STEAM & CONDENSATE HOSES & (V) BELTS	10000	MTR.	Maintenance requirements	unable to determine
		1000	NOS.	Maintenance requirements	unable to determine
08-11-07-01-0829	FURNACES & BOILERS ACCESSORIES, BURNERS, SOOTBLOW	500	NOS.	Maintenance requirements	unable to determine
08-11-07-01-0830	INSTRUMENTS SIGNAL CARRYING CABLES	10000	MTR.	Maintenance requirements	unable to determine
08-11-07-01-0831	TETRA ETHYL LEAD (TEL)	300	TON	Octane booster for gasoline	not notifiable
08-11-07-01-0832	DETERGENT DISPERSANT PACKED ADDITIVE FOR H.D PREMIUM OIL	1500	TON	Additive for lubricating oil	unable to determine
08-11-07-01-0833	DETERGENT DISPERSANT PACKAGE ADDITIVE FOR (S-3) DIESEL OIL	3000	TON	Additive for lubricating oil	unable to determine
08-11-07-01-0834	METHYLE ETHYL KETON (MEK)	750	TON	Solvent for plant operation	not notifiable
08-11-07-01-0835	FURFURAL	750	TON	Solvent for plant operation	not notifiable
08-11-07-01-0836	12-HYDRO STERIC ACID	200	TON	Cleanser for R/O units	not notifiable
08-11-07-01-0837	LITHIUM HYDROXIDE	100	TON	Catalyst	not notifiable
08-11-07-01-0838	CARBON STEEL COIL FOR DRUM MANUFACTURING PLANT	1000	TON	Maintenance requirements	unable to determine
08-11-07-01-0839	GASOLINE REFORMING CATALYST	20	TON	Catalyst for gasoline production	unable to determine
08-11-07-01-0840	SPARE PARTS FOR DRUM MANUFACTURING M/CS	1000	NOS.	Maintenance requirements	unable to determine
08-11-07-01-0841	ADDITIVE FOR GEAR OIL	120	TON	Additive for lubricating oil	unable to determine
08-11-07-01-0842	ADDITIVE FOR TURBINE OIL	60	TON	Additive for lubricating oil	unable to determine
08-11-07-01-0843	ADDITIVE FOR HYDRAULIC OIL	60	TON	Additive for hydraulic oil	unable to determine
08-11-07-01-0844	POLY ALUMINUM CHLORIDE (PAC)	50	TON	Process requirement	not notifiable
08-11-07-01-0845	CAUSTIC SODA (FLAKES)	1000	TON	Water treatment	not notifiable
08-11-07-01-0846	VISCOSITY INDEX IMPROVER	400	TON	Lube oil additive	unable to determine

MINISTRY OF OIL

SHEET NO.: 4 OF 9

ESTABLISHMENT NAME : MIDLAND REFINERIES COMPANY

LOCATION : DAURA REFINERY

PROJECT 07-01 : MAINTENANCE & OPERATION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
EQUIPMENT & MATERIALS FOR MAINTENANCE & REPAIR OF MOTORS & CONTROL SYSTEM				Repair requirements for electric motors	
08-11-07-01-0847	INSULATION MICA	4	TON	"	not notifiable
08-11-07-01-0848	INSULATION MATERIALS	20	TON	"	unable to determine
08-11-07-01-0849	COPPER WIRES	75	TON	"	not notifiable
08-11-07-01-0850	BEARINGS	200	TON	"	not notifiable
08-11-07-01-0851	FUSES	1000	SET	"	not notifiable

<b>08-11-07-01-</b>	<b>CONTACTORS &amp; CIRCUIT BREAKERS</b>	<b>1500</b>	<b>NOS.</b>	<b>"</b>	<b>unable to determine</b>
<b>08-11-07-01- 0853</b>	<b>CONTROLLERS</b>	<b>200</b>	<b>NOS.</b>	<b>"</b>	<b>unable to determine</b>
<b>08-11-07-01- 0854</b>	<b>CAPACITORS</b>	<b>2000</b>	<b>NOS.</b>	<b>"</b>	<b>not notifiable</b>
<b>08-11-07-01- 0855</b>	<b>CABLES</b>	<b>2</b>	<b>KM.</b>	<b>"</b>	<b>not notifiable</b>

MINISTRY OF OIL

ESTABLISHMENT NAME : MIDLAND REFINERIES COMPANY  
 LOCATION : DAURA REFINERY  
 PROJECT 07-02 : REHABILITATION/REVAMPING OF EXISTING  
 INSTALLATIONS

CODE	DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-07-02-0870	COMPLETE PUMPS & COMPRESSORS WITH MOTORS OR STEAM TURBINES OR DIESEL ENGINES DRIVES, FANS, VARIATORS MIXERS, GEARBOXES, SOOT BLOWERS, DOSING PUMPS ALL WITH SPARE PARTS	100 50	ITEM SET	Requirements for process unit rehabilitation	unable to determine
08-11-07-02-0871	AUTOMATIC CONTROL SYSTEMS COMPLETE FOR DEWAXING COMPRESSORS AND ROTARY FILTERS CONTROL SYSTEMS FOR PROCESS UNITS, ACCESSORIES FOR CONTROL ROOMS & SPARE PARTS	50	ITEM	Control systems for process units	unable to determine
08-11-07-02-0872	REHABILITATION OF SIX CYLINDRICAL FURNACES FOR LUBRICATING PLANT NO(2)	10	CONTRACT	Rehabilitation of ancient (and dangerous) process plant boilers	unable to determine
08-11-07-02-0873	DOUBLE PIPE EXCHANGERS & CHILLERS COMPLETE WITH SCRAPERS & ACCESSORIES FOR LUBE 2 & 3 WITH SPARE PARTS	15	ITEM	Requirements for process unit rehabilitation	unable to determine
08-11-07-02-0874	PACKAGED ELECTRICAL SUBSTATIONS 3.3 KV/0.4 KV	30	ITEM	Reliable back-up power supply	unable to determine
08-11-07-02-0875	COMPLETE ROTARY FILTER FOR LUBRICATING PLANT NO(3) WITH ACCESSORIES AND SPARE PARTS	2	ITEM	Requirements for process unit rehabilitation	unable to determine

MINISTRY OF OIL

ESTABLISHMENT NAME : MIDLAND REFINERIES COMPANY  
 LOCATION : DAURA REFINERY  
 PROJECT 07-03 : SUSTAINING & ENHANCING PRODUCTION  
 CAPABILITIES

CODE	DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-07-03-0882	ELECTRICAL MOTORS LOW & MEDIUM VOLTAGE	200	NOS.	Replacement electric motors	not notifiable
08-11-07-03-0883	DIESEL GENERATORS WITH AUTO-TRANSFER SYSTEMS	6	ITEM	Back-up power supply	unable to determine
08-11-07-03-0884	MAGNESIUM ANODES FOR INTERNAL CATHODIC PROTECTION	5000	KG.	Corrosion control	not notifiable
08-11-07-03-0885	TRIPLE SEAMING & CORRUGATING M/C'S FOR 200 LITRES STEEL DRUMS	2	ITEM	Requirements for storage drum manufacture	unable to determine

LOCATION : DAURA REFINERY  
 PROJECT 07-04 : SAFETY & ENVIRONMENTAL PROTECTION

CODE	DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-07-04-0890	CHLORINATORS	3	ITEM	Water treatment requirement	unable to determine
08-11-07-04-0891	FIRE FIGHTING & SAFETY EQUIPMENT, TOOLS, AGENTS, CLOTHES & WEAR, HOSES, TRUCKS	200 8000 4000	SET NOS. MTR.	Fire fighting and safety equipment	unable to determine
08-11-07-04-0892	OIL SKIMMERS & OIL SPILLAGE EQUIPMENT	15	SET	Pollution control equipment	unable to determine

**MINISTRY OF OIL**

**ESTABLISHMENT NAME : MIDLAND REFINERIES COMPANY**

**LOCATION : DAURA REFINERY**

**PROJECT 07-05 : SERVICE & PLANT EQUIPMENT**

CODE	DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-07-05-0897	BUNDLES, PULLING TRANSPORTING & CLEANING MACHINES WITH SPARE PARTS	4	ITEM	General maintenance requirements	unable to determine

**LOCATION : DAURA REFINERY**

**PROJECT 07-06 : TESTING, INSPECTION, STUDIES, SURVEYS & LABORATORIES**

CODE	DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-07-06-0900	TESTING APPARATUS, CHECKING EQUIPMENT & TOOLS	750 4000	SET NOS.	NDT and testing equipment	unable to determine
08-11-07-06-0901	VIBRATION MONITORING EQUIPMENT & DEVICES FOR ROTATING EQUIPMENT	20	ITEM	Monitoring equipment for rotating equipment	unable to determine

**MINISTRY OF OIL**

**ESTABLISHMENT NAME : MIDLAND REFINERIES COMPANY**

**LOCATION : DAURA REFINERY**

**PROJECT 07-07 : DEVELOPMENT PROJECT**

**ATMOSPHERIC CRUDE DISTILLATION UNIT**

CODE	DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-07-07-0907	ATMOSPHERIC CRUDE DISTILLATION UNIT (70000) B/DAY CAPACITY TO REPLACE EXISTING THREE CRUDE UNITS OF (69000) B/DAY CAPACITY COMMISSIONED IN 1955	6	CONTRACT	New crude distillation tower to replace inefficient and old units of same combined capacity	unable to determine

**LOCATION : DAURA REFINERY**

**PROJECT 07-08 : DEVELOPMENT PROJECT**

**COMPLETE LIQUID WASTE INCINERATOR**

CODE	DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-07-08-0910	COMPLETE LIQUID WASTE INCINERATOR AND ACCESSORIES WITH SUPERVISION AND INSTALLATION (TO REDUCE ENVIRONMENTAL POLLUTION) WITH SPARE PARTS	3 100	SET ITEM	Incinerator to control environmental damage from refinery waste on disposal	unable to determine

**MINISTRY OF OIL**

**ESTABLISHMENT NAME : MIDLAND REFINERIES COMPANY**

**LOCATION : DAURA REFINERY**

**PROJECT 07-09 : DEVELOPMENT PROJECT/ NAPHTHA**

**ISOMARIZATION & HYDROGEN PRODUCTION UNIT**

CODE	DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-07-09-0913	SUPPLY OF ENGINEERING, EQUIPMENT & SUPERVISION OF NAPHTHA ISOMARIZATION UNIT OF 7500 BPSD CAPACITY & HYDROGEN PRODUCTION UNIT CAPACITY 8000 NM <sup>3</sup> /HR & SPARE PARTS	100	ITEM	Requirements for isomerisation and hydrogen units to enhance gasoline quality	unable to determine

**PROJECT 07-10 : DEVELOPMENT PROJECT/ HYPOCHLORITE  
GENERATOR**

<b>CODE</b>	<b>DESCRIPTION</b>	<b>QTY</b>	<b>UNIT</b>	<b>COMMENT</b>	<b>1051 Determination</b>
<b>08-11-07-10- 0916</b>	HYPOCHLORITE GENERATOR WITH SPARE PARTS	4	SET	Water treatment requirement	unable to determine

**LOCATION : DAURA REFINERY**  
**PROJECT 07-11 : DEVELOPMENT PROJECT**  
**EMERGENCY GENERATOR**

CODE	DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-07-11-0919	EMERGENCY GENERATOR (4 MW) CAPACITY COMPLETE WITH ACCESSORIES, SUPERVISION AND INSTALLATION	1	ITEM	Emergency power supply	unable to determine

**MINISTRY OF OIL**

**ESTABLISHMENT NAME : SOUTH REFINERIES COMPANY**  
**LOCATION : BASRAH**  
**PROJECT 08-01 : MAINTENANCE & OPERATION**

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-08-01-0933	SPARES FOR EXISTING ROTATING EQUIPMENT (PUMPS COMPRESSORS, TURBINES, GEAR BOX, FANS, FILTERS & OTHERS MISC ITEMS.	25000 150	NOS. SET	Spares for maintenance of rotating machinery	unable to determine
<b>MECHANICAL EQUIPMENT WITH SPARE PARTS</b>					
08-11-08-01-0931	PIPES OF DIFFERENT SIZES AND TYPES	100	KM.	Maintenance requirements	unable to determine
08-11-08-01-0932	FITTINGS, VALVES, SAFETY VALVES	45000	NOS.	Maintenance requirements	unable to determine
08-11-08-01-0933	GASKET & BEARINGS	250 30000	SET NOS.	Maintenance requirements	not notifiable
08-11-08-01-0934	HEAT EXCHANGERS TUBES , BUNDLES AND TOOLS	10600 10 150	NOS NOS. SET	Maintenance requirements	unable to determine
08-11-08-01-0935	BOLTS & STUDS WITH NUTS DIFFERENT SIZES & LENGTH	400000	NOS.	Maintenance requirements	not notifiable
08-11-08-01-0936	HOSES DIFFERENT SIZES & TYPES	10	KM.	Maintenance requirements	unable to determine
<b>ELECTRICAL EQUIPMENT</b>					
08-11-08-01-0937	(SWITCH GEAR, MOTORS, STARTERS, RELAY TESTER ...ETC.) & MEASURING EQUIPMENT WITH SPARE PARTS	200 100	NOS. SET	Maintenance requirements	unable to determine

**MINISTRY OF OIL**

**ESTABLISHMENT NAME : SOUTH REFINERIES COMPANY**  
**LOCATION : BASRAH**  
**PROJECT 08-01 : MAINTENANCE & OPERATION**

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-08-01-0938	CATALYST	50	TON	Process plant requirement	unable to determine
<b>CHEMICALS AND ADDITIVES</b>					
08-11-08-01-0939	TETRA ETHYL- LEAD ( TEL)	1200	TON	Octane booster for gasoline	not notifiable
08-11-08-01-0940	ADDITIVE FOR DIESEL ENGINE OILS	3000	TON	Lube oil improver	unable to determine
08-11-08-01-0941	ADDITIVE FOR MOTOR ENGINE OILS	1500	TON	Lube oil improver	unable to determine
08-11-08-01-0942	VISCOSITY IMPROVER	600	TON	Lube oil improver	unable to determine
08-11-08-01-0943	FURFURAL	750	TON	Process plant requirement	not notifiable
08-11-08-01-0944	ADDITIVE FOR BENZEN ENGINE OILS	1500	TON	Lube oil improver	unable to determine
08-11-08-01-0945	MEK	750	TON	Process plant solvent	not notifiable
08-11-08-01-0946	CORRECTION CHEMICAL (SODA ASH)	50	TON	Water treatment chemical	not notifiable
08-11-08-01-0947	CAUSTIC SODA	1000	TON	Water treatment chemical	not notifiable
08-11-08-01-0948	OIL DISPERSANT	100	TON	Cleansing detergent	unable to determine
08-11-08-01-0949	PAC/PLOY ALUMINUM CHLORIDE	100	TON	Process plant requirement	not notifiable
<b>WATER TREATMENT CHEMICALS</b>					
08-11-08-01-0950	CORROSION INHIBITOR	100	TON	Water treatment chemical	unable to determine
08-11-08-01-0951	OXYGEN SCAVENGER	15	TON	Water treatment chemical	unable to determine
08-11-08-01-0952	FIRE FIGHTING FOAM & CHEMICALS	15000	LIT.	Fire fighting consumable	unable to determine

MINISTRY OF OIL

ESTABLISHMENT NAME : SOUTH REFINERIES COMPANY

LOCATION : BASRAH

PROJECT 08-01 : MAINTENANCE & OPERATION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-08-01-0953	ELECTRIC & INSTRUMENT CABLES WITH ACCESSORIES	30 500	KM. NOS.	Maintenance requirements	unable to determine
VARIOUS INSTRUMENTATION EQUIPMENT					
08-11-08-01-0954	CONTROL VALVES, SOLENOID VALVES, PRESSURE GAUGES, TRANSMITTERS, CONTROLLERS, TRANSMISSION COMPLETE WITH SPARES	2000 200	NOS. SET	Control system requirements	unable to determine
08-11-08-01-0955	SPARES FOR EXISTING INSTRUMENTS	3000	NOS.	Maintenance requirements	unable to determine
08-11-08-01-0956	CALIBRATION EQUIPMENT	50	SET	Maintenance requirements	unable to determine

MINISTRY OF OIL

ESTABLISHMENT NAME : SOUTH REFINERIES COMPANY

LOCATION : BASRAH

PROJECT 08-02 : REHABILITATION /REVAMPING OF EXISTING INSTALLATION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-08-02-0970	REPLACEMENT OF COMPLETE DAMAGED PUMPS, COMPRESSORS, TURBINES GEARBOXES, FANS, CHILLERS ...ETC. WITH SPARES	200 2000	SET NOS.	Maintenance requirements	unable to determine
08-11-08-02-0971	REHABILITATION OF EXISTING PLASTIC CAN MAKING WITH SPARES	1	CONTRACT	Repair to plastic bottle plant	unable to determine
08-11-08-02-0972	REVAMPING OF THE EXISTING CONTROL ROOM FOR BLENDING OF LUBE OIL	1	CONTRACT	Process plant rehabilitation	unable to determine
08-11-08-02-0973	REVAMPING OF THE EXISTING HYDROGEN COMPRESSOR FOR REFORMING UNIT NO. 1	1	CONTRACT	Process plant rehabilitation	unable to determine
08-11-08-02-0974	CONTINUATION OF INSIDE LINING OF EXISTING COOLING WATER NET-WORK TO IMPROVE LUBE OIL PLANT EFFECIENCY	1	CONTRACT	Maintenance requirements	unable to determine
08-11-08-02-0975	REVAMPING OF COOLING TOWERS WITH SPARE PARTS	1	CONTRACT	Process plant rehabilitation	unable to determine
08-11-08-02-0976	REHABILITATION OF EXISTING DAMAGED WAX HYDRO FINISHING & PRODUCTION UNIT	2	CONTRACT	Process plant rehabilitation	unable to determine
08-11-08-02-0977	REHABILITATION OF EXISTING LIGHT GAS OIL UNIT WITH CAPACITY OF 12000 B/D	3	CONTRACT	Process plant rehabilitation	unable to determine
08-11-08-02-0978	WASTE WATER TREATMENT PLANT REHABILITATION WITH SPARE PARTS	2 2000	CONTRACT SET	Improvement to water treatment plant	unable to determine

MINISTRY OF OIL

ESTABLISHMENT NAME : SOUTH REFINERIES COMPANY

LOCATION : BASRAH

PROJECT 08-03 : SUSTAINING & ENHANCING PRODUCTION CAPABILITIES

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-08-03-0985	NITROGEN PLANT COMPLETE WITH SPARE PARTS	1	CONTRACT	Water treatment requirements	unable to determine
08-11-08-03-0986	MEMBRANES FOR THE (R.O) UNITS	400	NOS.	Water treatment requirements	not notifiable
08-11-08-03-0987	TWO LINES OF DEMI PLANTS CAPACITY 100M <sup>3</sup> / HR EACH	2	SET	Water treatment requirements	unable to determine
08-11-08-03-0988	CRUDE OIL DESALTER & ACCESSORIES WITH SPARE PARTS	2	CONTRACT	Crude treatment	unable to determine
08-11-08-03-0989	CONTRACTS FOR INCREASING DISTILLATION & NAPHTHA HDS UNITS CAPACITIES WITH SUPPLY OF REQUIRED MATERIALS	4	CONTRACT	Process plant rehabilitation	unable to determine

LOCATION : BASRAH  
 PROJECT 08-04 : SAFETY & ENVIRONMENTAL PROTECTION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-08-04-0995	FIRE FIGHTING VEHICLES AND TANKER WITH SPARE PARTS	4	NOS.	Fire fighting requirements	not notifiable
08-11-08-04-0996	FIRE FIGHTING WORK SHOP VEHICLES WITH SPARE PARTS	1	NO.	Fire fighting requirements	not notifiable
08-11-08-04-0997	SAFETY EQUIPMENT AND TOOLS AND PERSONAL DIFFERENT SAFETY EQUIPMENT	50000	PCS.	Safety equipment	not notifiable
08-11-08-04-0998	SPARE PARTS FOR EXISTING FIRE FIGHTING VEHICLES	10000	NOS.	Fire fighting requirements	not notifiable
08-11-08-04-0999	TESTING & MEASURING ENVIRONMENTAL PROTECTION EQUIPMENT WITH SPARE PARTS	80 150	SET NOS.	Environmental quality control	unable to determine

MINISTRY OF OIL

ESTABLISHMENT NAME : SOUTH REFINERIES COMPANY

LOCATION : BASRAH

PROJECT 08-05 : SERVICE AND PLANT EQUIPMENT

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-08-05-1005	GENERAL PURPOSE MACHINES FOR WORKSHOPS TRANSPORTATION AND SERVICES EQUIPMENT OF DIFFERENT KINDS AND CAPACITIES WITH SPADES	50	SET	Maintenance requirements	unable to determine
08-11-08-05-1006	FORK LIFTS CAPACITY (1-15) TON	16	NOS.	Plant maintenance	not notifiable
08-11-08-05-1007	CRANES CAPACITY (5-30) TON	5	NOS.	Plant maintenance	not notifiable
08-11-08-05-1008	TANKERS FOR DRINKING WATER	2	NOS.	Potable water distribution	unable to determine
08-11-08-05-1009	AMBULANCES	2	NOS.	Medical services	not notifiable
08-11-08-05-1010	GARBAGE VEHICLES	2	NOS.	Environmental control	not notifiable
08-11-08-05-1011	TANKERS FOR WASTE WATER	2	NOS.	Waste water disposal	unable to determine
08-11-08-05-1012	SEWAGE CLEANING TANKER	1	NO.	Environmental control	unable to determine

MINISTRY OF OIL

ESTABLISHMENT NAME : SOUTH REFINERIES COMPANY

LOCATION : BASRAH

PROJECT 08-06 : TESTING INSPECTION, STUDIES, SURVEYS &  
LABORATORIES

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-08-06-1020	MEASURING EQUIPMENT, ANALYZERS, LAB APPARATUS, GAS ANALYZER & SYSTEMS FOR INSPECTION WITH SPARE PARTS	100 300	SET NOS.	Product quality control	unable to determine
08-11-08-06-1021	TESTING EQUIPMENT WITH SPARE PARTS FOR QUALITY ANALYSIS & VERIFICATION OF PRODUCTS SPECIFICATION	250 50	NOS. SET	Product quality control	unable to determine
08-11-08-06-1022	PLANT ASSESSMENT	4	CONTRACT	Efficiency studies	unable to determine

LOCATION : BASRAH  
 PROJECT 08-07 : DEVELOPMENT PROJECTS/ ISOMERISATION UNIT  
 TO IMPROVE OCTANE NUMBER

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-08-07-1026	NEW TOTAL RECYCLE ISOMERIZATION UNIT WITH CAPACITY (10000 B/D)	6	CONTRACT	Plant to increase octane rating of gasoline pool, and reduce TEL usage	unable to determine

MINISTRY OF OIL

ESTABLISHMENT NAME : SOUTH REFINERIES COMPANY

LOCATION : BASRAH

PROJECT 08-08 : DEVELOPMENT PROJECTS

HYDRO DESULPHURISATION UNIT TO REDUCE  
 SULPHUR CONTENT IN GAS OIL FUEL

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-08-08-1030	COMPLETE LIGHT GAS OIL HYDRO DESULPHURIZATION UNIT CAPACITY 18000 B/D WITH THE REQUIRED DOWN STREAM UNITS INCLUDING SWEETENING & SULPHUR RECOVERY UNITS	15	CONTRACT	Plant to reduce sulphur content of light distillates	unable to determine

LOCATION : BASRAH

PROJECT 08-09 : DEVELOPMENT PROJECTS

REFORMING UNIT TO IMPROVE OCTANE NUMBER

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-08-09-1033	KNOW HOW, BASIC DESIGN, EQUIPMENT AND MATERIALS FOR INSTALLATION OF NEW REFORMING UNIT CAPACITY 10000 B/D WITH THE OTHER REQUIRED UNITS INCLUDING SUPPLYING ALL MATERIALS REQUIRED FOR WHOLE COMPLETE PROJECT (MECHANICAL, ELECTRICAL, INSTRUMENTS, CHEMICALS, CATALYST AND UTILITIES)	10	CONTRACT	Contract for plant to reform whole naphtha into light naphtha reformate of 90/92 RON increasing octane in gasoline pool.	unable to determine

MINISTRY OF OIL

ESTABLISHMENT NAME : NORTH GAS COMPANY

LOCATION : KIRKUK

PROJECT 09-01 : MAINTENANCE & OPERATION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-09-01-1045	TOOLS & EQUIPMENT FOR MAINTENANCE	100 5000	SET NOS.	Maintenance requirements	unable to determine
CHEMICALS & CATALYST FOR PROCESS UNITS					
08-11-09-01-1046	DIETHANOL AMINE	1500	TON	Process unit requirement	not notifiable
08-11-09-01-1047	METHANOL	100	TON	"	not notifiable
08-11-09-01-1048	ANTI FOAM	15	TON	"	not notifiable
08-11-09-01-1049	CAUSTIC SODA	900	TON	"	not notifiable
08-11-09-01-1050	CATALYST FOR SULFUR RECOVERY UNIT	140	TON	"	not notifiable
08-11-09-01-1051	MOLECULAR SIEVES	15	TON	"	not notifiable
08-11-09-01-1052	ACTIVATED CARBON	100	TON	"	not notifiable
08-11-09-01-1053	ACTIVATED ALUMINA	10	TON	"	not notifiable
CHEMICALS FOR WATER TREATMENT					
08-11-09-01-1054	RESINS (FOR WATER DEMI UNITS)	100	M <sup>3</sup>	Water treatment requirement	not notifiable
08-11-09-01-1055	CHEMICALS FOR COOLING TOWER, WASTE & SERVICE WATER TREATMENT	600	TON	Water treatment requirement	unable to determine
MEASURING & CONTROL INSTRUMENT WITH SPARE PARTS					
08-11-09-01-1056	SPARE PARTS FOR EXISTING MEASURING & CONTROL SYSTEMS	500 6000	SET NOS.	Maintenance requirements	unable to determine
08-11-09-01-1057	INSTRUMENT CABLES, THERMOCOUPLE CABLES, FITTINGS, TUBES	13000 7000	MTR. NOS.	Maintenance requirements	unable to determine

MINISTRY OF OIL

ESTABLISHMENT NAME : NORTH GAS COMPANY

LOCATION : KIRKUK

PROJECT 09-01 : MAINTENANCE & OPERATION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-09-01-1058	PIPES, TUBES, FITTINGS, CARBON STEEL PLATES, HEAT EXCHANGER BUNDLES, TUBE SHEETS, MESH WIRES, GASKETS, FILTERS, WELDING ELECTRODES, IRON BEAMS, BOLTS, AND NUTS DEMISTERS, TRAYS FOR TOWERS & ACCESSORIES FOR (HEAT EXCHANGERS, FURNACES, BOILERS, AND VESSELS ) & FLARE TIPS	25000 500 500 20000	MTR. ITEM SET NOS.	Maintenance requirements	unable to determine
08-11-09-01-1059	RAW & SEMI FINISHED MATERIALS FOR WORKSHOP :( SOLID & HOLLOW BARS OF BRASS, BRONZE, ALLOY STEEL, CAST IRON )	7000	MTR.	Maintenance requirements	unable to determine
ELECTRICAL EQUIPMENT SPARE PARTS AND CABLE					
08-11-09-01-1060	POWER & CONTROL CABLES WITH JOINTS	50000	MTR.	Maintenance requirements	not notifiable
08-11-09-01-1061	RELAYS, CONTACTORS, CHARGERS, BATTERIES CAPACITOR BANKS, LIGHTING FIXTURES, LAMPS.	120 4000	SET NOS.	Maintenance requirements	not notifiable
08-11-09-01-1062	SPARE PARTS FOR THE EXISTING ELECTRICAL EQUIPMENT	200 2500	SET NOS.	Maintenance requirements	unable to determine
SPARE PARTS FOR EXISTING ROTATING EQUIPMENT					
08-11-09-01-1063	PUMPS	4000 5000	SET NOS.	Maintenance requirements	unable to determine
08-11-09-01-1064	COMPRESSORS	4000 4000	SET NOS.	Maintenance requirements	unable to determine
08-11-09-01-1065	STEAM TURBINES	8000 8000	SET NOS.	Maintenance requirements	unable to determine
08-11-09-01-1066	COOLING TOWERS FANS, GEAR BOXES & ACCESSORIES	4000 5000	SET NOS.	Maintenance requirements	unable to determine
08-11-09-01-1067	BLOWERS	3000 4000	SET NOS.	Maintenance requirements	not notifiable

MINISTRY OF OIL

ESTABLISHMENT NAME : NORTH GAS COMPANY

LOCATION : KIRKUK

PROJECT 09-02 : REHABILITATION / REVAMPING OF EXISTING  
INSTALLATIONS

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-09-02-1075	FINNED PLATE HEAT EXCHANGER COOLING SYSTEM	2	SET	Cooling system repairs	unable to determine
08-11-09-02-1076	PUMPS, BLOWERS, GEARBOXES, COMPRESSORS, STEAM TURBINE TO REPLACE OBSOLETE ONES WITH SPARE PARTS	200 10000	ITEM NOS.	Replacement of obsolete units	unable to determine
08-11-09-02-1077	UPGRADING OF COOLING TOWERS WITH SPARE PARTS	100 20000	SET NOS.	Cooling tower improvements	unable to determine
08-11-09-02-1078	MEASURING INSTRUMENTS, CONTROLLERS, RECORDERS, INDICATORS, AUXILIARY PANEL INST, VIBRATION MONITORS, PRESS. AND TEMP. GAUGES, LEVEL, SWITCHES, THERMOCOUPLES, TRANSMITTERS, FLOW METERS, SOLENOID VALVES, CONTROL SYSTEMS	300 4000	SET NOS.	Measurement and control system improvements	unable to determine
08-11-09-02-1079	VALVES & REGULATORS WITH ACCESSORIES & SPARE PARTS.	500	SET	Maintenance requirements	unable to determine
08-11-09-02-1080	VALVES, RUPTURE DISCS & REGULATORS WITH ACCESSORIES & SPARE PARTS	10000 5000	NOS. ITEM	Maintenance requirements	unable to determine
08-11-09-02-1081	ON LINE & LAB ANALYZERS WITH SPARE PARTS	100 500	SET NOS.	Quality control	unable to determine
08-11-09-02-1082	MOTORS WITH ACCESSORIES AND SPARES	20 2000	SET NOS.	Maintenance requirements	unable to determine
08-11-09-02-1083	MOTOR CONTROL CENTERS (MCC), SWITCH BOARD, CONTROLS,U.P.S., CABLES AND SPARE PARTS	10 200	SET NOS.	Maintenance requirements	unable to determine

MINISTRY OF OIL

ESTABLISHMENT NAME : NORTH GAS COMPANY

LOCATION : KIRKUK

PROJECT 09-02 : REHABILITATION / REVAMPING OF EXISTING  
INSTALLATIONS

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-09-02-1084	SPARES & EQUIPMENT FOR REVAMPING OF THE EXISTING SULFUR RECOVERY UNITS, SULFUR STORAGE AND HANDLING UNITS	200 20000	SET NOS.	Repairs to sulphur extraction, storage and handling equipment	unable to determine
08-11-09-02-1085	REHABILITATION AND MAINT. SERVICES FOR COMPRESSORS, TURBINES & OTHER UNITS WITH MATERIALS AND SPARES	5 200 20000	CONTRACT SET NOS.	Repairs to compressors and turbines in processing plants	unable to determine

LOCATION : KIRKUK

PROJECT 09-03 : SUSTAINING & ENHANCING PRODUCTION  
CAPABILITIES

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-09-03-1095	STEAM GENERATION UNIT WITH SPARE PARTS	1 100 500 25000	UNIT ITEM SET NOS.	Continuation of rehabilitation of steam generation system within plant	unable to determine

MINISTRY OF OIL

ESTABLISHMENT NAME : NORTH GAS COMPANY

LOCATION : KIRKUK

PROJECT 09-04 : SAFETY & ENVIRONMENTAL PROTECTION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-09-04-1100	SITE MONITORING SYSTEM WITH SPARE PARTS	20 3000	SYSTEM NOS.	Plant control system	unable to determine

08-11-09-04-1101	INSPECTION EQUIPMENT WITH SPARES ( NDT )	50 500	SET NOS.	NDT requirements	unable to determine
08-11-09-04-1102	PERSONAL SAFETY & EQUIPMENT SAFETY : PERSONAL SAFETY DEVICES (BELTS, SUITS, HELMETS, BOOTS, GLOVES, GOGGLES)	35000 50	NOS. SET	Personal safety equipment	not notifiable
08-11-09-04-1103	FIRE EXTINGUISHING MATERIALS AND EQUIPMENT (LIGHT WATER FOAM, FLOURE PROTEIN, EXTINGUISHING POWDER )	5000 15	LIT. TON	Fire fighting consumables	not notifiable
08-11-09-04-1104	GAS / SMOKE / FIRE TOXIC GAS MEASURING EQUIPMENT	500	NOS.	Warning system	unable to determine
08-11-09-04-1105	DETECTORS & MONITORS WITH SPARE PARTS	200	SET	Warning system	unable to determine

MINISTRY OF OIL

ESTABLISHMENT NAME : NORTH GAS COMPANY

LOCATION : KIRKUK

PROJECT 09-05 : SERVICE & PLANT EQUIPMENT

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-09-05-1114	SEWERAGE CLEANING VEHICLES	2	NOS.	Environmental control	not notifiable
08-11-09-05-1115	ELECTRIC MAINTENANCE LIFTING CAR	2	NOS.	Plant maintenance	not notifiable
08-11-09-05-1116	FORKLIFTS & SQUEEZER	20	NOS.	Plant maintenance	not notifiable
08-11-09-05-1117	VAC - ALL	2	NOS.	Plant maintenance	not notifiable
08-11-09-05-1118	CRANES	4	NOS.	Plant maintenance	not notifiable
08-11-09-05-1119	FIRE FIGHTING VEHICLES	2	NOS.	Fire equipment	not notifiable
08-11-09-05-1120	TANK CARS	8	NOS.	Product distribution	unable to determine
08-11-09-05-1121	DRILL MACHINE	3	NOS.	Plant maintenance	unable to determine
08-11-09-05-1122	AMBULANCE	2	NOS.	Medical transportation	not notifiable
08-11-09-05-1123	VERTICAL SLOTTING MACHINE	3	NOS.	Plant maintenance	not notifiable
08-11-09-05-1124	WELDING MACHINES	10	NOS.	Plant maintenance	unable to determine
08-11-09-05-1125	PORTABLE AIR COMPRESSORS	5	NOS.	Plant maintenance	not notifiable
08-11-09-05-1126	SPARE PARTS FOR ABOVE	1000 25000	SET NOS.	Plant maintenance	unable to determine

MINISTRY OF OIL

ESTABLISHMENT NAME : NORTH GAS COMPANY

LOCATION : KIRKUK

PROJECT 09-06 : TESTING, INSPECTION, STUDIES, SURVEYS & LABORATORIES

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-09-06-1135	INSPECTION: CONTRACTS FOR THIRD PARTY INSPECTION OF CONTRACTED GOODS TO ENSURE COMPLIANCE TO SPECIFICATION AT THE SUPPLIERS WORKS ABOARD	8	CONTRACT	Pre Shipment Inspection of goods at suppliers premises before shipment	unable to determine
08-11-09-06-1136	CONSULTATION & ENGINEERING: TECHNICAL SERVICE CONTRACTS, SURVEY, STUDIES & ASSISTANCE FOR EQUIPMENT SURVEY, EFFICIENCY STUDIES & TECHNICAL ASSISTANCE, FOR IMPROVEMENT OF MAINTENANCE & OPERATION WITH MATERIALS & SPARE PARTS	5	CONTRACT	Efficiency studies	unable to determine

LOCATION : KIRKUK

PROJECT 09-07 : DEVELOPMENT PROJECTS

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-09-07-1140	HYDROCARBON CONDENSATE RECEIVING & TREATMENT UNIT	1 100 2000	CONTRACT SET NOS.	Plant for stabilisation and removal of C3/C4 gases from Jambur field inflow	unable to determine

MINISTRY OF OIL

ESTABLISHMENT NAME : SOUTH GAS COMPANY  
 LOCATION : KHOR-ZUBAIR NGL, LPG PLANT, STORAGE &  
 COOLING PLANT & FACILITIES, NORTH RUMAILA  
 NGL PLANT & SOUR GASES UNIT  
 PROJECT 10-01 : MAINTENANCE AND OPERATIONS

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-10-01-1156	OVERHAUL MAINTENANCE FOR GAS TURBINE IN KKHOR ZUBAIR PLANTS INCLUDING SUPPLY OF REQUIRED MATERIALS, INSTALLATION AND WORK MAN	5	CONTRAC	Maintenance contracts for gas turbines	unable to determine
08-11-10-01-1157	SPARES FOR THE EXISTING GAS TURBINES, COMPRESSORS, PUMPS, AIR COOLER FANS, BURNERS, FLARES	25000 500	NOS. SET	Spares for rotating machinery	unable to determine
08-11-10-01-1158	INSTRUMENTS INCLUDING CONTROL VALVES, SOLENOID VALVES, SERVO VALVES, TRANSFER VALVES, SAFETY VALVES, ACTUATORS, SWITCHES RECORDERS, TRANSMITTERS, GAUGES, CONTROLLER, SENSORS THERMOCOUPLES, THERMOMETERS, CHARTS, TRANSDUCERS, FUSES, SIGNAL INDICATORS, RELAYS, ISOLATORS, POWER SUPPLY, BATTERY CHARGERS BATTERIES, PROBES, CONTROL PANEL, ELECTRONIC CARDS ...ETC. WITH SPARE PARTS	30000 2000 30000	NOS. SET MTR.	Maintenance requirements for process plants	Possibly notifiable

MINISTRY OF OIL

ESTABLISHMENT NAME : SOUTH GAS COMPANY  
 LOCATION : KHOR-ZUBAIR NGL, LPG PLANT, STORAGE &  
 COOLING PLANT & FACILITIES, NORTH RUMAILA  
 NGL PLANT & SOUR GASES UNIT  
 PROJECT 10-01 : MAINTENANCE AND OPERATIONS

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-10-01-1159	ELECTRICAL EQUIPMENT & MATERIALS: MOTORS, ROTORS, CIRCUIT BREAKERS, TRANSFORMERS, CAPACITORS, CONTACTORS, JOINTS, LIGHTS, LAMPS, BALLAST, HOLDERS, CABLES, WINDING WIRES, FUSES, INSULATION'S, BATTERIES, EXPANSION VALVES SWITCHES, LINKS ...ETC. AND SPARES	20000 2000 50000	NOS. SET MTR.	Maintenance requirements	unable to determine
08-11-10-01-1160	PIPES, TUBES & VALVES, FITTINGS, STRAINERS, BEARING, BELTS, BOLTS & NUTS, HEAT EXCHANGERS AND SPARES ...ETC.	20000 30000	MTR. NOS.	Maintenance requirements	unable to determine
<b>CONSUMABLE CHEMICAL</b>					
08-11-10-01-1161	MOLECULAR SIEVE	500	TON	Process plant consumables	Not notifiable
08-11-10-01-1162	CERAMIC BALLS	50	TON	Process plant consumables	Not notifiable
08-11-10-01-1163	TRI-ETHYLENE GLYCOL	500	TON	Process plant consumables	Not notifiable
08-11-10-01-1164	SULFOLANE	400	TON	Process plant consumables	Not notifiable
08-11-10-01-1165	DI ISO PROPANOL AMINE ( DIPA )	500	TON	Process plant consumables	Not notifiable
08-11-10-01-1166	SODIUM HYDROXIDE ( NAOH )	800	TON	Process plant consumables	Not notifiable
08-11-10-01-1167	FOAM LIQUID	15000	LIT.	Fire fighting consumables	Not notifiable
08-11-10-01-1168	FOAM POWDER	50	TON	Fire fighting consumables	Not notifiable

**MINISTRY OF OIL**

**ESTABLISHMENT NAME : SOUTH GAS COMPANY**

**LOCATION : KHOR-ZUBAIR NGL, LPG PLANT, STORAGE & COOLING PLANT & FACILITIES, NORTH RUMAILA NGL PLANT & SOUR GASES UNIT**

**PROJECT 10-02 : REHABILITATION / REVAMPING OF EXISTING INSTALLATIONS**

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-10-02-1175	REVAMPING & REHABILITATION AND PRECOMMISSIONING, START UP OF STORAGE AND GAS COOLING PLANT IN KHOR ZUBAIR (STORAGE TANKS, COMPRESSORS, PUMPS, LOADING ARMS OF GAS PRODUCTS (INCLUDING SUPPLY OF REQUIRED MATERIALS, MECHANICAL, INSTRUMENTS, ELECTRICAL SPARES & EQUIPMENT, PIPES, CABLES, HEAT EXCHANGERS AND OTHER MISC. WITH TECHNICAL SURVEY, TECHNICAL SERVICE, WORK AND CONSULTANCY	6	CONTRACT	Repeat contracts for repair and commissioning of plant for propane/butane distribution for domestic consumption	unable to determine
08-11-10-02-1176	REHABILITATION & REVAMPING OF PROPANE COOLING SYSTEM FOR GAS TURBINE AT KHOR-ZUBAIR PLANT	4	CONTRACT	Complementary contracts to above	unable to determine
08-11-10-02-1177	GAS TURBINE WITH RECOMMENDED SPARE PARTS WITH INSTALLATION AND PRE COMMISSIONING	4	CONTRACT	Complementary contracts to above for stand-by power supply	unable to determine
08-11-10-02-1178	REVAMPING FOR CONTROL SYSTEMS FOR EXISTING GAS TURBINES & COMPRESSORS WITH SPARE PARTS (RETROFIT) WITH INSTALLATION	4	CONTRACT	Complementary contracts to above	unable to determine

**MINISTRY OF OIL**

**ESTABLISHMENT NAME : SOUTH GAS COMPANY**

**LOCATION : KHOR-ZUBAIR NGL, LPG PLANT, STORAGE & COOLING PLANT & FACILITIES, NORTH RUMAILA NGL PLANT & SOUR GASES UNIT**

**PROJECT 10-03 : SUSTAINING AND ENHANCING PRODUCTION CAPABILITIES**

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-10-03-1185	ELECTRICAL POWER FACTOR CORRECTION EQUIPMENT WITH SPARE PARTS AND INSTALLATION	2	CONTRACT	Power supply stabilization requirement	unable to determine
08-11-10-03-1186	METERING SYSTEM FOR NATURAL GAS FEED TO KHOR-ZUBAIR LPG, NGL PLANT WITH ALL ACCESSORIES & SPARE PARTS & INSTALLATION	2	CONTRACT	Metering and internal operational control requirement	unable to determine

**PROJECT 10-04 : SAFETY AND ENVIRONMENTAL PROTECTION**

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-10-04-1190	FIRE FIGHTING AND SAFETY EQUIPMENT, ACCESSORIES WITH SPARES	6000 200	NOS. SET	Fire fighting equipment	unable to determine
08-11-10-04-1191	SAFETY DEVICES FOR GAS DETECTORS	200	SET	Gas detection equipment	unable to determine
08-11-10-04-1192	FIRE ALARM SYSTEMS WITH SPARE PARTS INCLUDING INSTALLATION	1	CONTRACT	Fire alarm system	not notifiable
08-11-10-04-1193	FIRE FIGHTING SYSTEMS WITH SPARE PARTS INCLUDING INSTALLATION	3	CONTRACT	Fire fighting equipment	not notifiable
08-11-10-04-1194	EQUIPMENT, MATERIALS FOR CONTROL THE POLLUTION OF AIR, LAND & WATER SOURCES	2000	SET	Pollution control equipment	unable to determine
08-11-10-04-1195	LINING OF PIPING FOR EXISTING FIRE FIGHTING WATER SYSTEMS	2	CONTRACT	Fire fighting equipment	unable to determine

MINISTRY OF OIL

ESTABLISHMENT NAME : SOUTH GAS COMPANY  
 LOCATION : KHOR-ZUBAIR NGL, LPG PLANT, STORAGE &  
 COOLING PLANT & FACILITIES, NORTH RUMAILA  
 NGL PLANT & SOUR GASES UNIT  
 PROJECT 10-05 : SERVICE AND PLANT EQUIPMENT

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-10-05-1202	CENTRAL, CHILLERS & WINDOW TYPE AIR CONDITIONING SYSTEMS COMPLETE WITH SPARES, COMPRESSORS AND SPARES FOR EXISTING COOLING EQUIPMENT	100 30	NOS. SET	Environmental control equipment	unable to determine
08-11-10-05-1203	SPARE PARTS FOR LIFTING, HANDLING, FIRE FIGHTING, BUSES, TRUCKS & OTHER VEHICLES	50000 2000	NOS. SET	Spares for transport	unable to determine
08-11-10-05-1204	WORK SHOP REQUIREMENTS INCLUDE DIESEL, ELECTRIC, HYDRAULIC AND HAND TOOLS	20000	NOS.	Workshop requirements	unable to determine
08-11-10-05-1205	TEST PUMPS, LIFTING, HANDLING, GRINDING WITH THEIR ACCESSORIES AND SPARES WITH CONSUMABLE MATERIALS FOR ABRASIVE AND GRIND, CUTTING ...ETC.	200	SET	Workshop requirements	unable to determine
08-11-10-05-1206	WATER TANKERS WITH ACCESSORIES & SPARE PARTS	2	SET	Potable water distribution	unable to determine
08-11-10-05-1207	FORK LIFTS WITH ACCESSORIES & SPARE PARTS	4	SET	Workshop requirements	unable to determine
08-11-10-05-1208	SEWAGE CLEANING TRUCK WITH ACCESSORIES & SPARE PARTS	1	SET	Environmental control	unable to determine

MINISTRY OF OIL

ESTABLISHMENT NAME : SOUTH GAS COMPANY  
 LOCATION : KHOR-ZUBAIR NGL, LPG PLANT, STORAGE &  
 COOLING PLANT & FACILITIES, NORTH RUMAILA  
 NGL PLANT & SOUR GASES UNIT  
 PROJECT 10-05 : SERVICE AND PLANT EQUIPMENT

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-10-05-1209	GARBAGE TRUCK WITH ACCESSORIES AND SPARE PARTS	3	SET	Waste collection	Not notifiable
08-11-10-05-1210	NITROGEN LIQUID CARY TRUCK WITH ACCESSORIES AND SPARE PARTS	1	SET	Nitrogen distribution vehicle	unable to determine
08-11-10-05-1211	WINCH TRUCK, LORRIES WITH ACCESSORIES AND SPARE PARTS	2	SET	Plant movement	Not notifiable
08-11-10-05-1212	CRANES 50, 80 TONS CAPACITY WITH ACCESSORIES AND SPARE PARTS	2	SET	Cranes for plant operation	unable to determine
08-11-10-05-1213	TRACTOR WITH SEMI TRAILER 30-50 TONS CAPACITY WITH ACCESSORIES & SPARE PARTS	4	SET	Tractor units for use in plants	Not notifiable
08-11-10-05-1214	TELESCOPIC FORK LIFT 5 TON CAPACITY WITH ACCESSORIES AND SPARE PARTS	2	SET	Fork lift	Not notifiable

MINISTRY OF OIL

ESTABLISHMENT NAME : SOUTH GAS COMPANY  
 LOCATION : KHOR-ZUBAIR NGL, LPG PLANT, STORAGE &  
 COOLING PLANT & FACILITIES, NORTH RUMAILA  
 NGL PLANT & SOUR GASES UNIT  
 PROJECT 10-06 : TESTING, INSPECTION, STUDIES, SURVEYS &  
 LABORATORIES

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-10-06-1224	CONSUMABLE CHEMICAL FOR LABORATORIES	1000	LIT.	Quality control ANALAR standard reagents, includes Karl Fischer reagent, HCl, ethanol, hexane, buffer solutions, etc.	unable to determine

<b>08-11-10-06-1225</b>	<b>QUALITY CONTROL, MEASURING, ANALYZERS, CALIBRATORS EQUIPMENT'S GLASSWARE WITH ACCESSORIES AND SPARE PARTS</b>	<b>200</b>	<b>SET</b>	Quality control	<b>unable to determine</b>
<b>08-11-10-06-1226</b>	<b>INSPECTION, MEASURING EQUIPMENT'S AND DEVICES WITH ACCESSORIES AND SPARE PARTS</b>	<b>200</b>	<b>SET</b>	NDT and quality control	<b>unable to determine</b>
<b>08-11-10-06-1227</b>	<b>PLANT ASSESSMENT</b>	<b>3</b>	<b>CONTRAC</b>	Plant efficiency studies	<b>unable to determine</b>
<b>08-11-10-06-1228</b>	<b>CONTRACTS FOR THIRD PARTY INSPECTION OF CONTRACTED GOODS TO ENSURE COMPLIANCE TO SPECIFICATIONS AT THE SUPPLIER WORKS ABROAD</b>	<b>2</b>	<b>CONTRAC</b>	Pre Shipment Inspection contract for checking goods before shipment	<b>not notifiable</b>

MINISTRY OF OIL

ESTABLISHMENT NAME : SOUTH GAS COMPANY  
 LOCATION : KHOR-ZUBAIR NGL, LPG PLANT, STORAGE &  
 COOLING PLANT & FACILITIES, NORTH RUMAILA  
 NGL PLANT & MUFTIYA & GARMAT ALI  
 PROJECT 10-07 : DEVELOPMENT PROJECT  
 (COMPLEMENTARY PROJECTS)

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-10-07-1234	WATER TREATMENT PLANT COMPLETE (PIPES, FITTINGS, PUMPS, DESALINATION UNITS, CLARIFIER, FILTERS, ELECTRICAL, CONTROL & INSTRUMENTATION, TELEPHONIC SERVICES, TANKS & OTHER NECESSARY ITEMS) INCLUDING DESIGN AND TECHNICAL ASSISTANCE/ ENGINEERING CONSULTANCY WITH TWO R.O. UNITS	20	CONTRAC	Plant for treatment of industrial waste	unable to determine

MINISTRY OF OIL

ESTABLISHMENT NAME : GAS FILLING COMPANY  
 LOCATION : ALL AREAS  
 PROJECT 11-01 : MAINTENANCE & OPERATION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-11-01-1250	HEAT EXCHANGER & BOILERS MAINTENANCE TOOLS	20	ITEM	Maintenance requirements	unable to determine
08-11-11-01-1251	SPARE PARTS FOR CYLINDER REPAIR WORKSHOPS	50	ITEM	Maintenance requirements	unable to determine
08-11-11-01-1252	DIES FOR THE MAINTENANCE OF LPG CYLINDER	4	NOS.	Maintenance requirements	not notifiable
08-11-11-01-1253	STRIP FEEDER FOR BLANK CUTTING TRIMING & BEEDING MACHINE, VALVE, SCREWING MACHINE, DEGREASING UNIT FOR CLEANING LPG CYLINDER	18	NOS.	Maintenance requirements	unable to determine
08-11-11-01-1254	MECHANICAL & PNEUMATIC MANIPULATOR FOR WELDING BASE RINGS & GUARD OF LPG CYLINDER	200	NOS.	Maintenance requirements	unable to determine
<b>LPG CYLINDER VALVES AND SPARES</b>					
08-11-11-01-1255	LPG CYLINDER VALVE COMPLETE	500000	NOS.	Replacement valves	not notifiable
08-11-11-01-1256	UPPER PARTS OF VALVE (ASSEMBLED)	500000	NOS.	Replacement valves	not notifiable
08-11-11-01-1257	SAFETY VALVE COMPLETE	400000	SET	Replacement valves	not notifiable
08-11-11-01-1258	SPINDLE SEAL	500000	SET	Replacement seals	not notifiable
08-11-11-01-1259	TOOLS FOR VALVE REPAIR	10	ITEM	Maintenance requirements	unable to determine
<b>FILLING HEAD AND SPARES</b>					
08-11-11-01-1260	MANUAL FILLING HEAD	100	NOS.	Maintenance requirements	not notifiable
08-11-11-01-1261	SPARE PARTS FOR MANUAL AND PNEUMATIC HEAD	17000	NOS	Maintenance requirements	not notifiable
08-11-11-01-1262	FILLING HEAD	100	SET	Maintenance requirements	not notifiable

MINISTRY OF OIL

ESTABLISHMENT NAME : GAS FILLING COMPANY  
 LOCATION : ALL AREAS  
 PROJECT 11-01 : MAINTENANCE & OPERATION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
<b>ACCESSORIES FOR L.P.G TRAILER (20) TON CAPACITY</b>					
08-11-11-01-1263	L.P.G HOSE SIZE 2"	100	NOS.	Maintenance requirements	not notifiable
08-11-11-01-1264	RUBBER HOSES SIZE 2"	500	NOS.	Maintenance requirements	not notifiable
08-11-11-01-1265	COUPLING FOR HOSE SIZE 3 1/4" ACME FEMALE	500	NOS.	Maintenance requirements	not notifiable
08-11-11-01-1266	MAGNETIC FLOAT FOR L.P.G TANK CAPACITY (250 KG)	300	NOS.	Maintenance requirements	unable to determine
<b>MECHANICAL SPARE PART FOR L.P.G FILLING PLANTS</b>					
08-11-11-01-1267	SPARE PART FOR L.P.G FILLING PLANTS	200	ITEM	Maintenance requirements	unable to determine

08-11-11-01-1268	SPARE PART FOR AIR & GAS COMP.	150	ITEM	Maintenance requirements	unable to determine
08-11-11-01-1269	SPARE PART FOR ( PERKINS ENGINE ) FOR ( FORKLIFT, GENERATOR, PUMP)	100 75	ITEM ITEM	Maintenance requirements	unable to determine
08-11-11-01-1270	SPARE PART FOR FIRE FIGHTING PUMPS	150	ITEM	Maintenance requirements	not notifiable
08-11-11-01-1271	SPARE PART FOR BOILER FEED WATER PUMP & DOSING PU	150	ITEM	Maintenance requirements	unable to determine
08-11-11-01-1272	SPARE PARTS FOR NISSAN CARS (PICK UP)	100	ITEM	Maintenance requirements	not notifiable
08-11-11-01-1273	SPARE PARTS FOR TESTING FILLING PLANTS	1000	NOS.	Maintenance requirements	unable to determine
08-11-11-01-1274	CHEMICALS	80	NOS.	Plant consumables	unable to determine

MINISTRY OF OIL

ESTABLISHMENT NAME : GAS FILLING COMPANY  
 LOCATION : ALL AREAS  
 PROJECT 11-01 : MAINTENANCE & OPERATION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
<b>ELECTRICAL &amp; INSTRUMENT FOR L.P.G FILLING PLANT</b>					
08-11-11-01-1275	L.T. ELECTRIC EQUIPMENT & CONNECTION ACCESSORIES (STABILIZER, TERMINAL, CONTROL ELEMENT ...ETC.)	100	ITEM	Maintenance requirements	unable to determine
08-11-11-01-1276	ELECTRONIC & PNEUMATIC INSTRUMENTATION FOR HEXANE UNIT & SPARE PARTS	100	ITEM	Maintenance requirements	unable to determine
08-11-11-01-1277	ELECTRIC MOTORS (UP TO 80 KW) FOR (GAS PUMP, FILLING PLANT, GAS COMPRESSOR) WITH SPARE PARTS	638	UNIT	Maintenance requirements	unable to determine
08-11-11-01-1278	TESTING EQUIPMENT ELECTRICAL & INSTRUMENT WITH SPARES	20	ITEM	Maintenance requirements	unable to determine
08-11-11-01-1279	CONTROL VALVE SYSTEM WITH SPARE PARTS	200	NOS.	Maintenance requirements	unable to determine
	PIPES, FITTINGS, VALVES & SPARES				
08-11-11-01-1280	PIPES, PIPE FITTINGS ( CARBON STEEL OF VARIOUS SIZES & SCHEDULES, GASKETS, STUD BOLTS )	15000 5000	MTR. NOS.	Maintenance requirements	unable to determine
08-11-11-01-1281	VALVES (1/2" - 3/4" - 1" - 2"-3"-4"-8"-10"-12")	1000	NOS.	Maintenance requirements	unable to determine
08-11-11-01-1282	SPARE PARTS FOR VALVES	100	SET	Maintenance requirements	unable to determine

MINISTRY OF OIL

ESTABLISHMENT NAME : GAS FILLING COMPANY  
 LOCATION : ALL AREAS  
 PROJECT 11-02 : REHABILITATION REVAMPING OF EXITING  
 INSTALLATION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-11-02-1295	DEVELOPMENT & REHABILITATION OF L.P.G CYLINDER MANUFACTURING PLANT	2	CONTRACT	Rehabilitation of domestic cylinder plant	unable to determine
<b>L.P.G CYLINDER</b>					
08-11-11-02-1296	L.P.G CYLINDER COMPLETE WITH VALVES	650000	NOS.	Replacement domestic gas cylinders	not notifiable
08-11-11-02-1297	LOW PRESSURE REGULATORS	200000	NOS.	Regulators for above	not notifiable
08-11-11-02-1298	VALVE, TUBES & EQUIPMENT	26000 515	NOS. SET	Spares for cylinders and plant	unable to determine
08-11-11-02-1299	WEIGHING BRIDGE WITH SPARES	3 25	NOS. ITEM	Control for overloading of LPG lorries	not notifiable
08-11-11-02-1300	MECHANICAL WEIGHING SCALE	50 25	NOS. ITEM	Cylinder weighing platform	not notifiable

MINISTRY OF OIL

ESTABLISHMENT NAME : GAS FILLING COMPANY  
 LOCATION : ALL AREAS  
 PROJECT 11-03 : SUSTAINING & ENHANCING PRODUCTION  
 CAPABILITIES

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-11-03-1308	PLANTS FOR CARBON DIOXIDE	5 1000	ITEM NOS.	Plant for CO2 production	unable to determine
08-11-11-03-1309	PRODUCTION LINE FOR MANUFACTURE OF LPG CYLINDER BASE & RINGS	1	SET	Plant for cylinder component manufacture	unable to determine
08-11-11-03-1310	TOOLS AND APPLIANCES FOR INSPECTION FOR CYLINDER WORKSHOPS WITH SPARE PARTS	50	ITEM	NDT requirements	unable to determine
08-11-11-03-1311	HYDROSTATIC TEST UNIT WITH SPARE PARTS	10	ITEM	NDT requirements	unable to determine
	STEEL PLATE				

08-11-11-03-1312	STEEL PLATE FOR L.P.G CYLINDER BODY	200	TON	Plate for LPG cylinders	unable to determine
08-11-11-03-1313	STEEL PLATE FOR L.P.G CYLINDER GUARD RINGS	300	TON	Plate for LPG cylinders	unable to determine
08-11-11-03-1314	STEEL PLATE FOR L.P.G CYLINDER BASE RINGS	300	TON	Plate for LPG cylinders	unable to determine
08-11-11-03-1315	STEEL PLATE FOR L.P.G CYLINDER BODY	4500	TON	Plate for LPG cylinders	unable to determine
<b>PLATES &amp; ACCESSORIES FOR L.P.G VESSELS</b>					
08-11-11-03-1316	3000 M <sup>3</sup> L.P.G SPHERICAL STORAGE TANKS WITH ACCESSORIES & SPARES	5 500	SET NOS.	LPG storage tanks at bottling plants	unable to determine
08-11-11-03-1317	PLATES FOR L.P.G TANKS CAPACITY (50) TON	1450	TON	Construction material for above	unable to determine

MINISTRY OF OIL

SHEET NO.: 6 OF 7

ESTABLISHMENT NAME : GAS FILLING COMPANY

LOCATION : ALL AREAS

PROJECT 11-04 : SAFETY & ENVIRONMENTAL PROTECTION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-11-04-1325	INSPECTION EQUIPMENT	10	NOS.	NDT and inspection equipment	unable to determine
		5	SET		
08-11-11-04-1326	QUALITY CONTROL EQUIPMENT	2	SET	QC equipment	unable to determine
08-11-11-04-1327	SAFETY EQUIPMENT	75	SET	Safety requirements	unable to determine
08-11-11-04-1328	CHEMICALS MOLECULAR SIEVE FOR SWEATING BUTANE & AROMATIC REMOVAL	560	KG.	Molecular sieve consumables	unable to determine
<b>FIRE FIGHTING EQUIPMENT</b>					
08-11-11-04-1329	FIRE FIGHTING EQUIPMENT ( HOSES, NOZZLES ...ETC.)	450	NOS.	Fire fighting equipment	not notifiable
08-11-11-04-1330	FIRE FIGHTING TRUCKS WITH SPARE PARTS	4	NOS.	Fire fighting equipment	not notifiable
		500	NOS.		
08-11-11-04-1331	FIRE FIGHTING & SAFETY EQUIPMENT	3750	NOS.	Fire fighting equipment	unable to determine
		5000	KG.		
		5000	PAIRS		

MINISTRY OF OIL

ESTABLISHMENT NAME : GAS FILLING COMPANY

LOCATION : ALL AREAS

PROJECT 11-05 : SERVICES & PLANT EQUIPMENT

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-11-05-1340	ELECTRIC & DIESEL DRIVEN WELDING MACHINES WITH ACCESSORIES	300	ITEM	Welding requirements	unable to determine
08-11-11-05-1341	DRYING OVEN	10	NOS.	Dryer	unable to determine
08-11-11-05-1342	FORKLIFTS (3-5) TON WITH S/P	15	NOS.	Materials handling	unable to determine
08-11-11-05-1343	SPARE PARTS FOR TRUCKS	100	ITEM	Maintenance requirements	unable to determine
<b>SERVICE TRUCKS AND SPARES</b>					
08-11-11-05-1344	HYDRAULIC WINCH	2	NOS.	Maintenance requirements	not notifiable
08-11-11-05-1345	DESCALING DEVICES	80	NOS.	Maintenance requirements	unable to determine
		6	SET		
		6	PAIRS		

MINISTRY OF OIL

ESTABLISHMENT NAME : OIL PIPELINES COMPANY

LOCATION : ALL AREAS

PROJECT 12-01 : MAINTENANCE & OPERATION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-12-01-1360	SPARES FOR EXISTING PUMPING STATIONS, DEPOTS, LPG PRESSURE REDUCTION STATIONS, LOADING AND UNLOADING FACILITIES WITH ASSOCIATED EQUIPMENT ( MECH. ELECT. FACILITIES WITH ASSOCIATED EQUIPMENT ( MECH. ELECT. INSTRUMENTS, CONTROL MONITORS )	20000	NOS.	Maintenance requirements	unable to determine
08-11-12-01-1361	- LINE PIPE, CARBON STEEL, DIFFERENT SIZES & SCHEDULES	50	KM.	Maintenance requirements	unable to determine
	WITH SUITABLE NOS. OF HEAT SHRINKABLE SLEEVES				
	- POLYETHYLENE TAPE FOR LINE PIPES FOR ALL AREAS	400000	SQ.M.	Maintenance requirements	not notifiable
	PRIMER FOR ABOVE TAPE	20000	LIT.	Maintenance requirements	not notifiable
	THE FITTINGS & VALVES OF DIFFERENT SIZES & SCHEDULES	10000	NOS.	Maintenance requirements	unable to determine

08-11-12-01-1362	<ul style="list-style-type: none"> <li>- MOTORS OF DIFFERENT SIZES AND TYPES TO BE USED IN PUMPING STATIONS, DEPOTS AND PIPE LINE NETWORKS</li> <li>- PUMPING UNITS ELECTRICALLY DRIVEN, DIFFERENT SIZES AND TYPES FOR PUMPING STATIONS AND DEPOTS</li> <li>- ELECTRIC CABLES DIFFERENT SIZES AND TYPES INCLUDING CONTROL, TELECOM, CABLES</li> <li>- SPARE PARTS FOR ABOVE EQUIPMENT</li> </ul>	100  100  10  50 50	NOS  UNIT  KM  SET NOS	Maintenance requirements	not notifiable
08-11-12-01-1363	<ul style="list-style-type: none"> <li>- LPG METERING SYSTEM INCLUDING FLOW METERS WITH COUNTER FLOW COMPUTER/ TURBINE METERS WITH COUNTER AND WITH PRESSURE AND TEMPERATURE COMPENSATOR C/W ACCESSORIES AND SPARES</li> <li>- POSITIVE DISPLACEMENT METERS DIFFERENT SIZES C/W ACCESSORIES AND SPARES</li> <li>- METERS FOR UNLOADING TANK TRUCKS DIFFERENT SIZES C/W ACCESSORIES AND SPARES</li> </ul>	130	NOS	NON OIP	unable to determine

**MINISTRY OF OIL**

**ESTABLISHMENT NAME : OIL PIPELINES COMPANY**

**LOCATION : ALL AREAS**

**PROJECT 12-01 : MAINTENANCE & OPERATION**

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-12-01-1364	PORTABLE FLARE SYSTEM TO BE USED FOR BURNING NATURAL GAS AND LIGHT OIL PRODUCTS C/W ACCESSORIES & SPARES	10	ITEM	Flare system	unable to determine
08-11-12-01-1365	GAS PRESSURE REDUCING REGULATORS PILOT OPERATED DIFFERENT SIZES WITH ADDITIONAL SPARE PILOTS	20	ITEM	Pressure regulators	unable to determine
08-11-12-01-1366	FILLER ELEMENT DIFFERENT SIZES PEERLESS GAS FILLER WITH ACCESSORIES & SPARES	250	ITEM	Filling equipment	unable to determine
08-11-12-01-1367	PIGS DIFFERENT TYPES & SIZES	76	NOS.	Pipe pigs for grade separation	not notifiable
08-11-12-01-1368	SKID MOUNTED PRESSURE REDUCTION & METERING STATIONS	10	NOS.	Metering and control system	unable to determine

**MINISTRY OF OIL**

**ESTABLISHMENT NAME : OIL PIPELINES COMPANY**

**LOCATION : ALL AREAS**

**PROJECT 12-02 : REHABILITATION /REVAMPING OF EXISTING INSTALLATIONS**

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-12-02-1377	REHABILITATION OF GAS & OIL PRODUCTS PIPE LINES OF DIFFERENT DIAMETERS UP-TO (26) INCH TOTALING (750) KM IN LENGTH IN DIFFERENT LOCATIONS WITH THE FOLLOWING FACILITIES:	10	ITEM	After completion of intelligent pigging rehabilitation to lines supplying oil and gas to new power stations	unable to determine
	- CLEANING PIGS, RUNNING PIGS, GAUGING PLATES, CLIPPER PIGS FOR MEASURING AND RECORDING THE INTERNAL GEOMETRY OF PIPES			:"	not notifiable
	- SUPPLYING ALL NECESSARY TOOLS, PIG TRACKING EQUIPMENT PRESSURE MONITORING AND ALL OTHER ACCESSORIES FOR ULLFILLMENT OF THE ABOVE-MENTIONED OPERATION			5	CONTRACT
08-11-12-02-1378	EQUIPMENT & MATERIAL FOR CONTINUATION AND COMPLETION FOR REHABILITATION OF DRY GAS COMPRESSORS, RUMAILA NORTH SOUTHERN AREA INCLUDING THE FOLLOWING:	6	CONTRACT	Repair to damaged compressor stations	unable to determine
	- MAINTENANCE OF MAIN COMPRESSORS			:"	unable to determine
	- INSTALLATION OF NEW COMPRESSOR			:"	unable to determine
	- PIPE FITTINGS, VALVES			:"	unable to determine
	- CONTROL, MONITORING EQUIPMENT			:"	unable to determine
	- ELECTRICAL EQUIPMENT, FITTINGS, CABLES, BOARDS, RELAYS, SWITCH GEARS, TELECOMMUNICATION EQUIPMENT, MOTORS ETC.			:"	unable to determine
	- TECHNICAL ASSISTANCE, ENGINEERING, CONSULTANCY ETC.			:"	unable to determine

**MINISTRY OF OIL**

**ESTABLISHMENT NAME : OIL PIPELINES COMPANY**

**LOCATION : ALL AREAS**

**PROJECT 12-02 : REHABILITATION /REVAMPING OF EXISTING INSTALLATIONS**

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-12-02-1379	REPLACEMENT OF OLD CONTROL SYSTEMS AT PUMPING STATION & DEPOTS	10	CONTRACT	Replacement of control systems in pumping stations	unable to determine

MINISTRY OF OIL

ESTABLISHMENT NAME : OIL PIPELINES COMPANY

LOCATION : ALL AREAS

PROJECT 12-02 : REHABILITATION/REVAMPING OF EXISTING INSTALLATIONS

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
	EQUIPMENT & MATERIALS FOR REHABILITATION OF ELECTRICAL DISTRIBUTION SYSTEM CONSISTING OF			Electrical system rehabilitation requirements	
08-11-12-02-1380	COPPER RODS	1350	TON	"	not notifiable
08-11-12-02-1381	GALVANIZED STEEL CORES	500	TON	"	not notifiable
08-11-12-02-1382	PVC COMPOUND	900	TON	"	not notifiable
08-11-12-02-1383	ALUMINUM ROD	300	TON	"	not notifiable
08-11-12-02-1384	GALVANIZED STEEL TAPE	400	TON	"	not notifiable
08-11-12-02-1385	ALUMINUM INGOT	1000	TON	"	not notifiable
08-11-12-02-1386	POLYESTERIMIDE WIRE ENAMEL	4	TON	"	not notifiable
	MATERIALS FOR COATING AND REPAIR OF EXTRUDED PIPES			Corrosion control of pipelines	
08-11-12-02-1387	EPOXY COATING	85	TON	"	not notifiable
08-11-12-02-1388	ADHESIVE	170	TON	"	unable to determine
08-11-12-02-1389	POLYETHYLENE	3700	TON	"	not notifiable
08-11-12-02-1390	WELDING ELECTRODE	10	TON	"	not notifiable
08-11-12-02-1391	HEAT SHRINKABLE SLEEVE	32300	TON	"	unable to determine
08-11-12-02-1392	INSULATED COLLAR SPACER	880	TON	"	not notifiable
08-11-12-02-1393	ELASTIC NEOPRENE AND SEALS	125	NOS.	"	not notifiable

MINISTRY OF OIL

ESTABLISHMENT NAME : OIL PIPELINES COMPANY

LOCATION : ALL AREAS

PROJECT 12-04 : SAFETY & ENVIRONMENTAL PROTECTION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-12-04-1403	FIRE FIGHTING VEHICLES COMPLETE WITH ALL RECOMMENDED EQUIPMENT & ACCESSORIES WITH SPARES	6	SET	Fire fighting equipment	not notifiable
08-11-12-04-1404	FIRE FIGHTING SERVICE WATER PUMPS ELECTRICAL & DIESEL DRIVEN SKID MOUNTED WITH ACCESSORIES & SPARES	10	ITEM	Fire fighting equipment	not notifiable
08-11-12-04-1405	SAFETY EQUIPMENT WITH PERSONNEL PROTECTIVE REQUIREMENT PROTECTIVE CLOTHING & FOOT-WARE COMPLETE WITH ACCESSORIES	4000	NOS.	Safety equipment	unable to determine

MINISTRY OF OIL

ESTABLISHMENT NAME : OIL PIPELINES COMPANY

LOCATION : ALL AREAS

PROJECT 12-05 : SERVICE & PLANT EQUIPMENT

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-12-05-1410	SPARES FOR EXISTING VEHICLES, CRANES AND EARTH MOVING EQUIPMENT COMPRISING DIFFERENT TYPES & SIZES	100000	NOS.	Maintenance requirements	unable to determine
08-11-12-05-1411	EQUIPMENT & MATERIALS FOR MECHANICAL & ELECTRICAL WORKSHOPS INCLUDING OVER-HEAD LIFTING CRANES, LATHE, CUTTING, PUNCHING, DRILLING, WELDING, STOPPLING ... ETC. MACHINES C/W ACCESSORIES & SPARES	1000	ITEM	Maintenance requirements	unable to determine
08-11-12-05-1412	OIL PURIFIER & DRYING UNIT ( MECHANICAL ELECTRICAL SYSTEM ) C/W ACCESSORIES & SPARES WHEEL MOUNTED	2	NOS.	Oil treatment equipment	unable to determine

<b>HEAVY-DUTY FIELD VEHICLE AND OTHER VEHICLES FOR NORMAL SERVICE OPERATIONS AS FOLLOWS</b>					
<b>08-11-12-05-1413</b>	LORRY CRANE UP TO (10) TONS CAPACITY	5	NOS.	Plant movement	<b>not notifiable</b>
<b>08-11-12-05-1414</b>	FORK LIFT & SMALL MOVABLE CRANES DIFFERENT TYPE & SIZES UP TO (5) TONS CAPACITY	10	NOS.	Plant movement	<b>not notifiable</b>
<b>08-11-12-05-1415</b>	SEWAGE AND OIL SPILLS VEHICLES	5	NOS.	Environmental control	<b>not notifiable</b>
<b>08-11-12-05-1416</b>	TRACTOR UNIT TO BE USED WITH FLAT CARRIER & LOW- LOADER	2	NOS.	Plant movement	<b>not notifiable</b>
<b>08-11-12-05-1417</b>	FLAT CARRIERS SEMI-TRAILERS AND LOW LOADERS	5	NOS.	Plant movement	<b>not notifiable</b>

MINISTRY OF OIL

ESTABLISHMENT NAME : OIL PIPELINES COMPANY

LOCATION : ALL AREAS

PROJECT 12-06 : TESTING, INSPECTION, STUDIES, SURVEYS & LABORATORIES

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-12-06-1423	LAB EQUIPMENT & MATERIAL FOR QUALITY CONTROL OF PRODUCT	10	ITEM	Quality control	unable to determine
08-11-12-06-1426	EQUIPMENT & MATERIAL FOR PLANT SURVEY	20	ITEM	Plant survey equipment	unable to determine
08-11-12-06-1427	ENGINEERING CONSULTANCY FOR PLANT ASSESSMENT SURVEY	5	CONTRACT	Plant assessment	unable to determine

MINISTRY OF OIL

ESTABLISHMENT NAME : OIL PIPELINES COMPANY

LOCATION : ALL AREAS

PROJECT 12-07 : DEVELOPMENT PROJECTS/PIPELINE NETWORK AND TANKS

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-12-07-1433	EQUIPMENT AND MATERIALS FOR CONTINUATION AND COMPLETION OF PIPE LINE NET-WORK TO TRANSPORT FUEL TO THE POWER GENERATING STATIONS AT: BAJI/ YOUSFYA/ NORTH/ DIBIS/ ANBAR/ NORTH WASIT/ SALAH AL-DIN/ NORTH RUMAILA/ NASSIRIYA AND OTHER STATIONS IN LINE PIPE OF DIFFERENT SIZE & SCHEDULES, BASE & FACTORY COATED WITH HEAT-SHRINKABLE SLEEVES & APPLICATION KITS. THERMAL INSULATION MATERIALS, WRAPPING TAPE WITH PRIMER PLASTIC SPACERS AND - SEALS WITH METAL CLAMPS - LINE - BREAK VALVES, VALVES, FITTINGS, STEAM TRAPS, VENTING GASKET, BOLTS, NUTS, FLANGES ...ETC . - FABRICATED STORAGE TANKS OF DIFFERENT TYPES AND SIZE WITH ALL NECESSARY ACCESSORIES, FIRE FIGHTING, DETECTION SYSTEM, INSTRUMENTS, ELECTRICAL, EARTHING, THERMAL INSULATION MATERIALS, MIXERS, HEATING SYSTEM, CONSTRUCTION CONSUMABLES, WELDING ELECTRODES DIFFERENT TYPES & SKID & PUMP SYSTEMS FOR THE PUMP STATIONS INCLUDING WATER & FOAM SYSTEM, PUMPS, PIPING NETWORK, HYDRANTS, MONITORS, HOSE REEL CABINETS, FIRE DETECTORS, FIRE EXTINGUISHERS ETC - PRESSURE REDUCTION & METERING SKID - ELECTRIC-DRIVEN PUMPS SOME WITH HEAT TRACING & THERMAL INSULATION WITH ALL NECESSARY ACC.	30	CONTRACT	Pipeline network for fuel supply to power stations	unable to determine
				"	unable to determine
				"	unable to determine
				20 * 10,000 M3 storage tanks for power station network	unable to determine
				Fire fighting for depots	unable to determine
				Custody transfer	unable to determine
				Product pumping requirements	unable to determine

MINISTRY OF OIL

ESTABLISHMENT NAME : OIL PIPELINES COMPANY

LOCATION : ALL AREAS

PROJECT 12-07 : DEVELOPMENT PROJECTS/PIPELINE NETWORK TO POWER STATIONS

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-12-07-1434	- FABRICATED PIG - LAUNCHING RECEIVING TRAPS C/W PIGS, PIG LOADING & UNLOADING FACILITIES, PIG INDICATORS, WITH ALL ACCESSORIES INCLUDING PIPES, VALVES, FITTING, VENTING, GASKETS, INSULATING JOINTS & KITS, BOLTS & NUTS, FLANGES ...ETC.  - FABRICATED DRAINAGE VESSELS WITH ACCESSORIES LIKE SUMP PUMPS, STEEL STRUCTURE ...ETC.	20	CONTRACT	Pigging system to allow adequate product separation in power station distribution network	unable to determine
				Storage vessels associated with above	unable to determine

<p>- SKID-MOUNTED METERING SYSTEMS, CONTROLS, CONTROL PANELS, CABLES, INSTRUMENTATION, GAUGES, INDICATORS, TRANSMITTERS, INDUSTRIAL COMPUTERS, VALVES, CONTROL VALVES ...ETC.</p> <p>- ELECTRICAL(SWITCH GEAR, DISTRIBUTION BOARDS, CABLES, PORCELAIN INSULATORS, TRANSFORMERS, LIGHTING FITTINGS &amp; OTHER ACCESSORIES LIKE JOINTING KITS, LUGS, TERMINALS ...ETC .</p>			Control systems associated with above	<b>unable to determine</b>
			Control systems associated with above	<b>unable to determine</b>

MINISTRY OF OIL

ESTABLISHMENT NAME : OIL PIPELINES COMPANY

LOCATION : ALL AREAS

PROJECT 12-08 : DEVELOPMENT PROJECTS

(14) INCH OIL PRODUCTS PIPELINE

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-12-08-1438	EQUIPMENT & MATERIALS FOR CONTINUATION & COMPETION OF THE (14) INCH P/L (540) KM TO TRANSPORT LIGHT OIL PRODUCTS FROM SHUAIBA TO KARKH INCLUDING THE FOLLOWING:			Development of second line for dual system (first line from phase 8) by introduction of necessary pumping stations	unable to determine
	- MAIN PUMPING UNITS C/W ACCESSORIES	12	UNIT	"	unable to determine
	- BOOSTER PUMPING UNITS C/W ACCESSORIES	6	UNIT	"	unable to determine
	- METERING FACILITIES C/W ACCESSORIES	10	UNIT	"	unable to determine
	- FILTER SEPARATORS C/W ACCESSORIES	8	UNIT	"	unable to determine
	- FILTERS C/W ACCESSORIES	8	UNIT	"	unable to determine
	- PRESSURE REDUCTION STATIONS	15	UNIT	"	unable to determine
	- INSTRUMENTATION INCLUDING MOTORIZED VALVES, RELIEF VALVES, DENSITY METERS, ...ETC.	10	ITEM	"	unable to determine
	- DRAINAGE VESSELS WITH PUMPS	14	UNIT	"	unable to determine
	- C.S. PIPES DIFFERENT SIZES (1/2" - 14")	50	KM.	"	unable to determine
	- VALVES, FITTINGS	10	ITEM	"	unable to determine
	- TELECOM CONTROL & MONITORING EQUIPMENT	10	ITEM	"	unable to determine
	- WELDING ELECTRODES	200	TON	"	not notifiable
	- HEAT SHRINKABLE SLEEVES	750	NOS.	"	not notifiable
	- CONSUMABLE MATERIALS FOR CONSTRUCTION	10	ITEM	"	unable to determine
- TECHNICAL ASSISTANCE & ENGINEERING CONSULTANCY	4	CONTRACT	"	unable to determine	

MINISTRY OF OIL

SHEET NO.: 13 OF 14

ESTABLISHMENT NAME : OIL PIPELINES COMPANY

LOCATION : ALL AREAS

PROJECT 12-09 : DEVELOPMENT PROJECTS

HARTHA FUEL OIL PIPELINE

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-12-09-1442	LINE PIPE CARBON STEEL DIFFERENT DIAMETERS (16-24) INCH, (70) KM LONG TO TRANSPORT FUEL OIL FROM SOUTH REFINERY TO HARTHA POWER STATION COMPLETE WITH THE FOLLOWING :	10	CONTRACT	Power station connection lines	not notifiable
	- LINE BREAK VALVES, VALVES, PIPE FITTINGS, STEAM TRAPS, VENTING, GASKETS, BOLTS & NUTS, FLANGES			"	unable to determine
	- HERMAL INSULATION MATERIALS			"	unable to determine
	- WELDING ELECTRODES DIFFERENT TYPES & SIZES			"	not notifiable
	- METERING SYSTEM AND CONTROL PANELS, CABLES, INSTRUMENTATION, GAUGES			"	unable to determine
	- ELECTRICAL SWITCH GEAR, DISTRIBUTION BOARDS, TRANSFORMERS, LIGHTING FIXTURES			"	unable to determine
	- CATHODIC PROTECTION & ACCESSORIES			"	not notifiable
	- TECHNICAL ASSISTANCE, ENGINEERING, CONSULTANCY			"	unable to determine

MINISTRY OF OIL

ESTABLISHMENT NAME : OIL PIPELINES COMPANY

LOCATION : ALL AREAS

PROJECT 12-10 : DEVELOPMENT PROJECTS / DEPOTS FOR OIL

PRODUCTS

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-12-10-1445	CONTINUATION AND COMPLETION OF THE LIGHT OIL STORAGE TANKS IN DEPOTS AND PUMPING STATIONS INCLUDING INTERNAL PIPELINE NETWORK, VALVES, FITTINGS, WELDING ELECTRODES, PUMPS & MOTORS, LOADING ARMS, INSTRUMENTATION, CONTROL EQUIPMENT, ELECTRICAL MATERIAL, SWITCH GEARS, CATHODIC PROTECTION MATERIALS, CABLES AND ANY OTHER ACCESSORIES REQUIRED FOR THE PROJECT	10	CONTRACT	Completion of project (from prior phases) to connect tanks already constructed in light fuel depots	unable to determine

MINISTRY OF OIL

ESTABLISHMENT NAME : OIL PRODUCTS DISTRIBUTION COMPANY

LOCATION : ALL AREAS

PROJECT 13-01 : MAINTENANCE & OPERATION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-13-01-1460	FLOW METER & TOTALIZERS WITH SPARE PARTS	50	SET	Maintenance requirements	unable to determine
08-11-13-01-1461	FUEL TRANSFER PUMP C/W MOTOR & SPARE PARTS	50	SET	Maintenance requirements	unable to determine
08-11-13-01-1462	FUEL DISPENSER SINGLE WITH SPARE PARTS	50	SET	Maintenance requirements	unable to determine
08-11-13-01-1463	FUEL DISPENSER DOUBLE C/W SPARE PARTS	75	SET	Maintenance requirements	unable to determine
08-11-13-01-1464	SUBMERSIBLE PUMP WITH SYPHON UNIT	2	ITEM	Maintenance requirements	unable to determine
08-11-13-01-1465	NOZZLES SIZE 3/4", 1.5" and 1" WITH ACCESSORIES	2250	SET	Maintenance requirements	not notifiable
08-11-13-01-1466	PIPES SIZE (1" TO 6")	30000	MTR.	Maintenance requirements	unable to determine
08-11-13-01-1467	PIPES FITTING (1" TO 6")	3000	NOS.	Maintenance requirements	unable to determine

MINISTRY OF OIL

ESTABLISHMENT NAME : OIL PRODUCTS DISTRIBUTION COMPANY

LOCATION : ALL AREAS

PROJECT 13-01 : MAINTENANCE & OPERATION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-13-01-1468	SPARE PARTS FOR TRANSFER PUMPS	400	ITEM	Maintenance requirements	unable to determine
08-11-13-01-1469	SPARE PARTS FOR LOADING ARMS	100	ITEM	Maintenance requirements	unable to determine
08-11-13-01-1470	SPARE PARTS FOR GENERATORS AND WELDING MACHINES	150	ITEM	Maintenance requirements	unable to determine
08-11-13-01-1471	COMMUNICATION EQUIPMENT & EXCHANGERS WITH SPARE PART	3	SET	Maintenance requirements	unable to determine
08-11-13-01-1472	ELECTRIC CABLE VARIOUS SIZES	82000	MTR	Maintenance requirements	not notifiable
08-11-13-01-1473	WINDING WIRES FOR ELECTRIC MOTORS	7	TON	Maintenance requirements	not notifiable
08-11-13-01-1474	ELECTRIC CONTROL EQUIPMENT VARIOUS TYPE	2350	NOS.	Maintenance requirements	unable to determine
08-11-13-01-1475	LIGHTING FITTINGS AND ACCESSORIES	9450	NOS.	Maintenance requirements	not notifiable
08-11-13-01-1476	GENERATOR SETS	20	SET	Maintenance requirements	unable to determine
08-11-13-01-1477	HOSES SIZES 3/4 " TO 2 1/2 "	1000	NOS.	Maintenance requirements	unable to determine

LOCATION : ALL AREAS

PROJECT 13-03 : SUSTAINING AND ENHANCING PRODUCTION CAPABILITIES

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-13-03-1488	FIXED AND FLOATING ROOF TANK CAP. 10000 M3 WITH ALL ACCESSORIES	20	NOS.	Product storage tanks 20 * 10,000 M3	unable to determine

MINISTRY OF OIL

ESTABLISHMENT NAME : OIL PRODUCTS DISTRIBUTION COMPANY

LOCATION : ALL AREAS

PROJECT 13-04 : SAFETY & ENVIRONMENTAL PROTECTION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-13-04-1492	FIRE FIGHTING EQUIPMENT	50	ITEM	Fire fighting equipment	not notifiable
08-11-13-04-1493	FIRE PUMPS WITH SPARE PARTS	10	SET	Fire fighting equipment	not notifiable
08-11-13-04-1494	FIRE FIGHTING TRUCKS	4	SET	Fire fighting equipment	not notifiable
08-11-13-04-1495	POWDER FOR FIRE EXTINGUISHERS REFILLING	40000	KG	Fire fighting consumables	not notifiable
08-11-13-04-1496	FIRE FIGHTING FOAM	50000	LIT	Fire fighting consumables	not notifiable

MINISTRY OF OIL

ESTABLISHMENT NAME : OIL PRODUCTS DISTRIBUTION COMPANY

LOCATION : ALL AREAS

PROJECT 13-05 : SERVICE & PLANT EQUIPMENT

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-13-05-1505	SPARE PARTS FOR VARIOUS TRUCK TRACTOR & SEMI TRAILER	2000	ITEM	Spares for transport	not notifiable
08-11-13-05-1506	SPARE PARTS FOR FORK LIFTS	840	ITEM	Spares for transport	not notifiable
08-11-13-05-1507	TRUCK TYRES SIZE 1200R/20	7000	NOS.	Spares for transport	not notifiable
08-11-13-05-1508	TYRES SIZES 315×80	1500	NOS.	Spares for transport	not notifiable
08-11-13-05-1509	TYRES FOR FORK LIFT	1000	NOS.	Spares for transport	not notifiable
08-11-13-05-1510	TYRES FOR LIGHT TRUCK VARIOUS SIZES	2000	NOS.	Spares for transport	not notifiable
08-11-13-05-1511	SERVICES EQUIPMENT FOR TRUCK MAINTENANCE	20	SET	Spares for transport	not notifiable
08-11-13-05-1512	SPARE PARTS FOR LIGHT TRUCKS	500	ITEM	Spares for transport	not notifiable
08-11-13-05-1513	WHEEL LOADER (SHOVEL) WITH SPARE PARTS	3	SET	Transport requirement	not notifiable
08-11-13-05-1514	STREET LIGHTING CHANGING CRANE WITH SPARE PART	3	SET	Equipment for lighting maintenance	not notifiable
08-11-13-05-1515	SMALL TRUCK FOR LPG CYLINDER TRANSPORT	50	SET	LPG cylinder transport	not notifiable
08-11-13-05-1516	HYDR- CARGO CRANE 20 TONS CAP. WITH SPARE PARTS	1	SET	Equipment handling	not notifiable
08-11-13-05-1517	JACK HAMMERS WITH PINS & HOSES	50	SET	Maintenance requirement	not notifiable
08-11-13-05-1518	TANKERS FOR OIL PRODUCTS	50	NOS.	Product distribution	unable to determine

LOCATION : ALL AREAS

PROJECT 13-06 : TESTING, INSPECTION, STUDIES, SURVEYS & LABORATORIES

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-13-06-1528	OIL PRODUCTS TESTING APPARATUS WITH ACCESSORIES AND SPARE PARTS	10	ITEM	Quality control of products	unable to determine

MINISTRY OF OIL

SHEET NO.: 1 OF 3

ESTABLISHMENT NAME : OIL TRAINING INSTITUTES

LOCATION : BAGHDAD / BASRAH / BAJI

PROJECT 14-06 : TESTING, INSPECTION, STUDIES, SURVEYS & LABORATORIES

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-14-06-1540	OIL WELL WIRE LINE TOOLS WITH SPARE PARTS	1	SET	Demonstration equipment	unable to determine
08-11-14-06-1541	EQUIPMENT FOR DRILLING RIG MECHANICS WORKSHOP WITH SPARE PARTS	1	SET	Demonstration equipment	unable to determine
08-11-14-06-1542	OIL WELL WIRE LINE PRESSURE CONTROL EQUIPMENT WITH SPARE PARTS	2	SET	Demonstration equipment	unable to determine
08-11-14-06-1543	OIL WELL SUBSURFACE CONTROL EQUIPMENT	1	SET	Demonstration equipment	unable to determine
08-11-14-06-1544	OIL WELL BOTTOM HOLE SAMPLER WITH SPARE PARTS	1	SET	Demonstration equipment	unable to determine
08-11-14-06-1545	OIL WELL CORE EXTRACTION EQUIPMENT	1	SET	Demonstration equipment	unable to determine
08-11-14-06-1546	BLOW OUT PREVENTER ACCUMULATOR UNIT WITH SPARE PARTS	2	SET	Demonstration equipment	unable to determine
08-11-14-06-1547	DRILLING FLUIDS AND CEMENT LABORATORY EQUIPMENT WITH SPARE PARTS, INSTALLATION, COMMISSIONING AND TRAINING	1	SET	Demonstration equipment	unable to determine
08-11-14-06-1548	ENGINEERING TESTING AND INSPECTION APPARATUSES WITH SPARE PARTS AND TRAINING	1	SET	NDT and engineering testing equipment	unable to determine

<b>08-11-14-06-1549</b>	<b>WELDING, AND CUTTING MACHINES WITH SPARE PARTS AND TRAINING</b>	<b>1</b>	<b>SET</b>	Demonstration equipment	<b>unable to determine</b>
<b>08-11-14-06-1550</b>	<b>PUMPS, COMPRESSORS &amp; TURBINES WORK-SHOP EQUIPMENT WITH SPARE PARTS, INSTALLATION, COMMISSIONING AND TRAINING</b>	<b>1</b>	<b>SET</b>	Demonstration equipment	<b>unable to determine</b>
<b>08-11-14-06-1551</b>	<b>AUTOMOBILE WORKSHOP TRAINING EQUIPMENT WITH SPARE PARTS AND TRAINING</b>	<b>1</b>	<b>SET</b>	Demonstration equipment	<b>unable to determine</b>

MINISTRY OF OIL

ESTABLISHMENT NAME : OIL TRAINING INSTITUTES

LOCATION : BAGHDAD / BASRAH / BAJI

PROJECT 14-06 : TESTING, INSPECTION, STUDIES, SURVEYS &  
LABORATORIES

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-14-06-1552	FLUID MECHANICS AND HEAT TRANSFER LABORATORIES EQUIPMENT WITH SPARE PARTS, INSTALLATION, COMMISSIONING AND TRAINING	1	SET	Demonstration equipment	unable to determine
08-11-14-06-1553	CRUDE OIL REFINERY SIMULATOR WITH SPARE PARTS, INSTALLATION, COMMISSIONING & TRAINING	3	SET	Demonstration equipment/pilot plant	unable to determine
08-11-14-06-1554	INDUSTRIAL CHEMISTRY SIMULATOR WITH SPARE PARTS, INSTALLATION, COMMISSIONING AND TRAINING	1	SET	Demonstration equipment	unable to determine
08-11-14-06-1555	GAS TREATMENT TECHNOLOGY EQUIPMENT FOR TRAINING PILOT PLANT WITH SPARE PARTS, INSTALLATION, COMMISSIONING AND TRAINING	1	SET	Demonstration equipment	unable to determine
08-11-14-06-1556	CHEMICAL LABORATORY EQUIPMENT WITH SPARE PARTS AND TRAINING	1	SET	Demonstration equipment	unable to determine
08-11-14-06-1557	REFINERY WORKSHOP EQUIPMENT FOR TRAINING WITH SPARE PARTS INSTALLATION, COMMISSIONING AND TRAINING	1	SET	Demonstration equipment	unable to determine

MINISTRY OF OIL

ESTABLISHMENT NAME : OIL TRAINING INSTITUTES

LOCATION : BAGHDAD / BASRAH / BAJI

PROJECT 14-06 : TESTING, INSPECTION, STUDIES, SURVEYS &  
LABORATORIES

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT	1051 Determination
08-11-14-06-1558	GAS LABORATORY EQUIPMENT WITH SPARE PARTS & TRAINING	1	SET	Demonstration equipment	unable to determine
08-11-14-06-1559	CONTINUOUS FRACTIONAL CRUDE OIL PLANT FOR TRAINING WITH SPARE PARTS INSTALLATION, COMMISSIONING AND TRAINING	1	SET	Demonstration equipment	unable to determine
08-11-14-06-1560	COMPLETE DEGASSING STATION WITH OIL AND GAS TREATMENT UNITS SIMULATOR WITH SPARE PARTS INSTALLATION, COMMISSIONING & TRAINING	1	SET	Demonstration equipment	unable to determine
08-11-14-06-1561	ELECTRICAL SIMULATORS AND WORKSHOP EQUIPMENT WITH SPARE PARTS & TRAINING	1	SET	Demonstration equipment	unable to determine
08-11-14-06-1562	PROCESS PARAMETER TRANSMITTER WITH PID CONTROL CAPABILITY WITH SPARE PARTS, INSTALLATION, COMMISSIONING & TRAINING	1	SET	Demonstration equipment	unable to determine
08-11-14-06-1563	EXPERIMENTAL BENCH FOR ELECTRICAL MEASUREMENTS AND MACHINES WITH SPARE PARTS	8	SET	Demonstration equipment	unable to determine
08-11-14-06-1564	MEASUREMENT AND CONTROL EQUIPMENT WITH SPARE PARTS	1	SET	Quality control equipment	unable to determine
08-11-14-06-1565	SCIENTIFIC AND TECHNICAL BOOKS	1	SET	API/ASTM standards and complementary technical reference material	not notifiable